



## RADIO PROGRAMS TO BE SPONSORED BY THE INSTITUTE

To Be Broadcast Every Sunday and Thursday Over WJJD

### LECTURES FEATURED

Armour Institute of Technology will sponsor a series of educational programs which will be broadcast twice a week over station WJJD, it was announced this week by James D. Cunningham, Chairman of the Board of Trustees. The first program will be broadcast on Sunday, September 25th, at 6:00 P. M.

The programs, which will occur regularly from 6:00 to 6:30 on Sunday evenings, and from 2:30 to 2:45 on Thursday afternoons, will be composed of three groups of lectures, the announcement said.

#### To Trace Engineering History

One of these series will trace the history and recent development of the various branches of the engineering profession. In this group, for example, the department of Fire Protection Engineering at Armour Institute of Technology will give a series of programs explaining the development of scientific fire-protection methods and apparatus. Similar programs will be arranged by the other departments at the school.

A second type of lecture, according to Mr. Cunningham's announcement, will be given in cooperation with industrial companies throughout the city. These broadcasts will tell of the development of major industries from the standpoint of the scientific principles involved in them.

## ELECTRICAL HEAD ATTENDS MEETING AT OREGON STATE

Professor E. H. Freeman, Head of the Department of Electrical Engineering, was the official delegate of Armour Institute to the Fortieth Annual Convention of the Society for the Promotion of Engineering Education. The convention was held at the Oregon State College in Corvallis, during the first part of July.

A number of ideas relative to engineering education were proposed and discussed by members of the society. The general tendency seemed to be a continuation of the ideas which have been prevalent in engineering schools for the past decade—the reduction of the amount of highly specialized studies, and the substitution of more of the fundamental sciences. There also exists a trend in the direction of liberalizing the curricula to a greater extent than heretofore.

#### Longer Training Needed

Speaking on the effect of the depression on education in the future, Dr. Magnusson, of the University of Washington, expressed the opinion that longer training and more highly technical training will be demanded. Col. Rees, of the American Telephone and Telegraph Company, also predicted that advanced degrees will play a prominent part in subsequent engineering education. As a

(Continued on page 4)

## Eleven Men Initiated Into Sphinx Society

Initiation ceremonies of Sphinx, local honorary literary society, were held May 26 at the Delta Tau Delta House. After the initiation the following officers were elected: J. T. Sorenson—President; R. F. Rychlik—Secretary-Treasurer.

The following men were initiated into the organization:

J. W. Juvinall, R. E. Nelson, H. M. Kreisman, J. T. Sorenson, W. W. Lange, M. A. Collick, H. F. Becker, C. K. Simons, S. P. Cone, J. H. Miller, and F. W. Paine.

## LIBRARY TO ISSUE NEW TYPE CARDS TO ALL STUDENTS

All new students should register in the library to receive their library cards. Tuition receipts are needed for identification. The library is situated at the north end of the first floor of the Main Building.

New library cards will be issued to all returning students upon presentation of tuition receipts. This is a new practice and all upper-class men will be privileged to retain their old numbers. No books will be issued to students who have the old identification cards.

During the summer a counter has been built around the stacks so as to enclose them. All books must be signed out of these stacks. Students will be allowed to enter the stacks upon request and they will be charged for whatever books they take out with them. No brief-cases will be allowed behind this counter.

Last August Mrs. Smith resigned her position as assistant in the library. Although no one has been assigned to take Mrs. Smith's position, there will be several new student assistants in the library this semester. The students working in the library this coming semester are C. E. M. Dahlgen, L. Puhonch, C. M. Huettner, V. Kevvigan, N. C. Peasfold, and V. Blinsh.

## Drafting Room Moved to Chapin

Because of the establishment of a lunch room in what used to be the Senior Drafting room, a new drafting room is being prepared in the third entrance Chapin Hall. This necessitated the moving of the publication offices to the fourth entrance, second floor, Chapin Hall.

Due to these changes the campus Club has been moved up over their old quarters to the second floor, where they have twice as much room.

### SOLID GEOMETRY

All students deficient in Solid Geometry must take this course this coming semester. It will be given from five o'clock to six o'clock on Tuesdays and Fridays. Those students affected by this notice must have their names in the office of the deans at once.

## Trustees Meet at Luncheon, Discuss Development Program

New trustees of Armour Institute of Technology who have become members of the Board during the Armour program of expansion and development met with the full Board at an informal luncheon on September 7th at the Chicago Club to discuss plans for continuation of the program throughout the coming school year.

Nineteen new trustees have been added to the Board during the summer, and that meeting was the first time that all of these men had met with the old trustees, although individually they assisted during the summer in the Development Committee's expansion program.

#### Cunningham Outlines Plans

James D. Cunningham, Chairman of the Board, reviewed the work which has already been done, and outlined plans for its continuation. Among the new members who attended the meeting are Don M. Compton, Paul H. Davis, Colonel Frank Knox, J. J. Merrill, C. Paul Parker, Vincent Bendix, and Charles R. Tuttle.

The work already accomplished includes the publishing of a report covering the Development Committee's research in engineering education and the Development Plan which has resulted from this research; operating programs carried on by the Lecture Bureau and the Board of Publications which were formed at the Institute on the recommendation of the Development Committee; the

## Dean of Engineering Extends Welcome to Incoming Freshmen



### To New Students:

For its fortieth year Armour Institute of Technology receives a group of young men who are about to begin four of the most important years of their lives. For many of you, attendance at college under present economic conditions has meant careful planning and financial sacri-

fices. You expect an adequate return for the difficulties that you are overcoming,—proper dividends on your investment of time and money. You look to us for guidance and help in preparing yourselves for work in the engineering professions and for lives of useful citizenship. In this preparation, much depends upon your own ability and your own industry. We have the responsibility of working with you to the end that ability and industry shall be most productive of results. You may count upon the cooperation of every member of the faculty and of every officer of administration.

We expect that the next few years will bring the most important new developments that the Institute has known since its foundation. To the participation in these developments we welcome you most heartily.

## All Students Invited To Try Out For News

All freshmen who wish to try out for the position of reporters on the Armour Tech News are requested to be in the News office Friday afternoon at five for instructions as to tryouts.

Work on the paper furnishes valuable experience in newspaper routine, constructive English, and printing forms. The News was rated by the N. S. P. A. during the last school year for the first time and received a First-Class Honor Rating.

The offices of the News have been moved to the second floor Chapin, fourth entrance south in order to make room for the new drafting room.

Although it is preferred that freshmen try out, sophomores and juniors are also welcome.

There will be a meeting of the Board of Publications at 10:30, next Friday, in the Tau Beta Pi rooms.

## Stan Livingston Confined to Bed

Stanley Livingston of the student supply store has been confined to his bed for the past three weeks with a badly infected foot. A series of X-ray photographs convinced Dr. Kelly, former medical advisor at the Institute, that the infection had its inception in a bruise.

Stan lives on the fourth floor at 3333 Federal and will be glad to see his old friends among the student body. It is hoped that he will be back very shortly even though he is forced to use the crutches that are propped up against his bedroom window.

## DIRECTORY OF ROOMS

**MAIN BUILDING**  
Second Floor  
Physics and Electricity Lecture Rooms  
Third Floor  
Freshman Chemistry Laboratory and Science Hall  
Fourth Floor  
Rooms A, B, and C  
Fifth Floor  
Freshman Drafting Room, Gymnasium and Doctor's Office

**CHAPIN HALL**  
First Entrance  
Third Floor  
Rooms A and B  
Second Entrance  
Second Floor  
Rooms D and F  
Third Floor  
Rooms E and G  
Third Entrance  
First Floor  
Senior Drafting Room  
Second Floor  
Campus Club

**Fourth Entrance**  
First Floor  
Rooms H and J  
Second Floor  
Armour Tech News Office

**Fifth Entrance**  
First Floor  
Civil Museum

**MISSION BUILDING**  
First Floor  
Room D and fountain lunch-room  
Second Floor  
Rooms A, B, and C  
Assembly Hall  
Third Floor  
Civil Drafting Room

**MACHINERY HALL**  
First Floor  
Forge  
Second Floor  
Machine Shop and Room A  
Third Floor  
Wood Shop and Room B  
Fourth Floor  
Foundry and Room C

## NEW FOUNTAIN-LUNCHROOM ELIMINATES LONG WALK TO NORTH END OF OGDEN FIELD

Main Floor of Mission Building To Be Popular Gathering Place

### DECORATIONS MANDARIN RED AND BLACK

A new fountain-lunchroom on the main floor of the Mission Building is scheduled to open today. This project is the concrete evidence of weeks of planning and labor on the part of the authorities who wished to provide the students with a congenial gathering place.

The idea behind the opening of this new space is along the lines of the Student Union. It is rumored that smoking will be permitted at the tables, which will be provided with ash receptacles.

A fountain-lunch service from nine o'clock to six o'clock featuring a special plate lunch at a very reason-

able price will be one of the innovations.

It will not be necessary for students to make purchases in order to enjoy the benefits of this improvement. It is planned to make this an ideal spot for students to spend their time between classes in an informal manner.

#### Furnished in Red and Black

The furnishings of the room will also be different from those of the other parts of the Institute. Mandarin red and black will be the basis for the color scheme of the room and its fixtures.

Care must be taken on the part of the students in order to insure that all matches and cigarettes are carefully extinguished. Professor Schommer hinted that all barbarous tendencies towards the destruction of property must also be subdued. In other words the class rush must still be confined to Ogden Field as it has been in the past.

The entire project is not intended to be profit-making but is rather a gesture on the part of the authorities to show the students that their welfare is being considered at all times. The school is attempting to make conditions as near ideal from the students' standpoint as it is in their power to do so.

## Course Given in Electron Physics

Dr. Thompson will again offer his course in electron physics. This course, which covers some of the outstanding developments in modern physics, is offered to juniors and seniors who have completed physics II and wish to continue the study of up-to-date phases of the subject.

The course takes three hours a week in the laboratory and one hour in the classroom. Experiments include work on the discharge tube, quadrupole electrometer, vacuum lines and various pieces of delicate apparatus. Natural constants such as the charge on the electron and the ratio of e to m will be measured. A study will be made of X-rays and radioactivity.

In the catalogue this course is listed as Physics 11, Electron Theory and Atomic Structure. A review of the quantum theory is given as a basis for the interpretation of simple spectra, X-rays, photoelectricity, and the structure of the atom. Students interested in this work should register with Dr. Thompson in his office on the second floor, first entrance, Chapin hall.

## H. K. N. Initiates, Elects Officers

Eta Kappa Nu, National Honorary Electrical Engineering Fraternity, held its semi-annual initiation in the chapter rooms on Thursday, June 2. The men initiated were D. G. Wilson, W. W. Lange, and W. T. Dumser.

Immediately following the initiation, the following officers were elected for the coming year: J. W. Juvinall, president; R. F. Rychlik, vice-president; W. W. Lange, treasurer; W. T. Dumser, corresponding secretary; and D. G. Wilson, recording secretary.

### P. L. U. ELECTS OFFICERS

At the close of last semester Phi Lambda Upsilon, the honorary chemical society at Armour, elected officers for the coming year.

The following men were elected to office: Franklin W. Paine, president; Leonard W. Krizan, vice president; Homer Z. Martin, treasurer; John H. Miller, Secretary; Henry Fishman, Alumni Secretary.

### A. I. E. E. ELECTION

R. F. Rychlik was elected Chairman of the Armour branch of the A. I. E. E. at an election held at the close of last semester. Other officers elected were E. A. Snelling, vice-chairman, D. O. Schwenesson, secretary, and W. T. Dumser, treasurer. The election was hotly contested and two political parties struggled for supremacy. Their respective platforms are even at this time not clearly understood.

## New Department Added to School

A new four year course in the fundamental sciences has been added to the departments which have already been established at Armour Institute. The aim of this course is to provide a thorough training in the basic sciences, and a more extensive knowledge of the humanities than is customary in the usual engineering course. It prepares the student for advanced scientific research, either pure or applied, and for teaching the sciences in universities and colleges.

### Professor Paul Heads Department

Professor Paul, Head of the Department of Mechanics, has been made director of the new Department of Science. The course will be opened to registration in September of this year, and after its successful completion, the degree of Bachelor of Science will be awarded.

A fifth year of graduate work may be taken, with a program consisting of special subjects chosen from the group of electives offered in connection with the curriculum of the senior year. The degree of Master of Science is awarded upon successful completion of this additional year of work. The fifth year work is also available to graduates of other colleges who have the proper qualifications.

### Entrance Requirements the Same

The choice of electives by students in the senior and graduate years is to be approved by the director of the course and the heads of the departments comprising the Department of Science.

The requirements for admission to this course are the same as for courses in engineering or architecture. Since all of the first year curricula are practically the same, students may change from the Department of Science to one of the other schools, or conversely, at the end of, or during, the freshman year without serious difficulty.

### ALUMNUS MARRIED

On Saturday, July 2, George Leigh Parkhurst, Ch. E. '27, was married. He and his wife are now residing at 6052 Harper Avenue. Mr. Parkhurst is now in the patent department of the Standard Oil Company.

# Armour Tech News

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## Welcome, Class of 1936

At this time over two hundred aspiring freshmen are beginning their college careers at Armour Institute. Of course these men are selected fellows; chosen from a list that contained many more names than those of the men admitted. They represent those with the highest scholastic attainment. In addition to scholastic records a great deal of care was given to their extra-curricular records.

But even though the class of 1936 is of such high caliber, the classes that preceded it have been chosen in precisely the same manner. For this reason it seems fitting that the experiences of the upperclassmen should be recorded here in an effort to aid our newcomers.

The program at Armour is said by many to be difficult; but, surprising as it may seem, it is said by an equally large number of persons to be easy. The explanation of the foregoing statement is simple.

Concentration of effort during the study part of the semester results in forming a habit of regular and steady work reaps its reward in the ease with which the student passes the frequent examinations. As soon as this simple rule of study is mastered, a man feels that the work at the Institute is easy.

On the other hand an attempt to delay the necessary work of the first week or two until "school really is started" will result in a handicap that may be overcome by some students with great difficulty, and by others never. This is the time to decide whether the work at Armour should be easy or difficult.

Then again there is a tendency to let some of the freshmen to tight-rope performers. In order to become outstanding students here, it is necessary for them to enter into extracurricular activities. Should they allow these activities to claim too much of their time they will find the school work quite difficult; should they not enter at all into this outside work, they will find themselves seriously handicapped at the time of graduation.

A few hours of serious thought during which each member of the class of 1936 decides how and when to study will prove to be a very worthwhile investment. It will be necessary to devote less time to friends (both sexes) and relatives during the time school is in session. Strict observance of these important facts gleaned from the experiences of the men who have gone the road before, will make the stay of the men of '36 both pleasant and profitable.

## The Engineer Expresses Himself

The successful engineer of today is more than a specialist. His work is of such a nature that it may lead to a position as an administrator, an industrialist, or a leader in technical fields. These things are possible for a man of ability coupled with the proper training. But the engineer's training is not entirely effective unless he is able to wield the pen and impress himself upon his employees and associates. An engineer who cannot write to express himself has knowledge which is like the gold in a sunken ship; it is there and is valuable but it cannot be used.

At one time the engineer was the author of a few brief reports. Those days are gone for anyone who aspires to a prominent place in this profession. Even as the automobile developed from a one cylinder contraption to the 16 cylinder affairs that now whizz down the highways; so the literary requirements of the engineer have developed in scope and complexity. He must write expository articles explaining scientific or technical facts to the layman; he must write instructions to be followed in shops; he must write letters to men with whom he has business dealings; and he must write countless other things which will reveal his ability and personality in every line.

The English courses offered at Armour are very good. But with a program crowded full of technical subjects, it is impossible to devote enough time to writing to develop in the student's literary efforts that style and character which will make his writing distinctive. A man's progress along these lines depends upon how much time he devotes to writing when his English courses are completed. At this point many of the men stop writing either because of lack of initiative or because of laziness. Opportunity knocks for those who wish to continue to write.

Work on one of the Armour publications will build the style and ability which will count for so much in years to come.

E. E. E.

## "The Slipstick"

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

### WELCOME, FRESHMEN!

Let's get acquainted. This is Diamond, conductor of the good old Slip Stick. Remember, this is your column so send in your jokes and poetry. All contributions will be given careful consideration. This holds for you too, upper classmen. The Slip Stick in what you make it so send in your best jokes and poems. Just drop your contributions in the yellow box by the elevator on the main floor. Let's make this term the Slip Stick's best.

Neena: Has Seard a job yet?  
Hank: Yes, he's working with hundreds of men under him now.  
Neena: Foreman?  
Hank: No, grass cutter in a cemetery.

### PAGE PROFESSOR ROESCH

"A Freshman" wants to know if it is possible to tell the horsepower of a car by lifting up the hood and counting the plugs.

Dicer: I say, waiter, there's a fly in my soup.  
Waiter: Oh, surely not, sir; maybe it's one of the vitamins been you read so much about.

He: That clock runs eight days without winding.  
She: Goodness! And how long would it run if you wound it?

"Here comes the parade and your Aunt Dorothy will miss it. Where is she?"  
"She's upstairs waving her hair."  
"Heavens! Can't we afford a flag?"

### HUMANS AND THE WAVES

Did you ever sit by the sea alone,  
And watch the waves roll in,  
Climb up the shore and then roll back  
From whence they did begin?

We build ourselves in the ship,  
And dream we gain great fame,  
A strong wind blows, our vessels fade,  
We wake up just the same.

We all are like the sea above waves,  
We strive to gain and yet  
It matters not, how hard we try  
We find we're just all wet.

Dr. Scherger (in middle of jokes) Have I ever told the class this one before?  
Class (in a chorus): Yes.  
Dr. Scherger: Good, you will probably understand it this time.

Cannibal Belle: Father, I'm hungry.  
Chief: All right, wait, give the little girl a hand.

Maid: The Furniture man is here.  
Mistress: I'll see him in a minute. Tell him to take a chair.  
Maid: I did, but he said he would start with the piano and radio set.

The first social event of the season will probably be the showing of some of those motion pictures which have sprung up during the summer.

### Getting Back at Pa

Father: How do I know you are not marrying my daughter for my money?  
Sutler: Well, we're both taking a risk. How do I know you won't fall in a year or so?

### HELP! HELP! This is a "Contrib"!

Impressions of a Vacation  
Final exam, recuperation at Oak St. Beach . . . red letter day, the grades arrive!!!! . . . a few weeks of "need any good engineers, mudder" . . . no, I didn't see any "no help" sign . . . might as well rest this summer . . . sure, the Cubs have the pennant in the bag . . . only one more Sunday ride at Oh Henry Park . . . have a nice summer . . . oh well.

Sir Mack.

### WHICH TWO?

Judge (to culprit): "So we caught you with this bundle of silverware, eh? Whom did you rob?"  
Inexperienced Burglar: "Two Armour fraternity houses, sir."  
Judge (to orderly): "Call up all of the downtown hotels and have them claim this stuff."

### This Week's Dumbbell Poem

Last night I saw him on the stair  
The little man who wasn't there.  
He wasn't there again today.  
Oh how I wish he'd go away.

(Who will send in next week's offering?)

### MAGIC

A man was buying a suitcase but none of those shown shown pleased him. "When I buy a bag," he declared, "I like to see some cowhide in it."  
"Oh," said the dealer. "You want tricks—what do you think I am, a magician?"

I'll be lookin' for your contribs.

—Diamond.

## Movie Notes

The grandest lady that the musical world has ever known, Madame Ernestine Schumann-Heink, is now at the Chicago. Also Monte Blue is on the stage and Ruth Chatterton and George Brent are on the screen in "The Crash," their first picture together since their marriage.

Theatres in Chicago are now making determined efforts to attract the entire theatre-going public. For example, the program of the Chicago this week certainly covers a wide range. Three years ago, Madame Schumann-Heink would have been a complete program by herself, and many people believe that any addition is superfluous.

Those that like their dances hotcha and their music hot and fast should appreciate the stage show at the Oriental this week. The first stage show presents Gilda Gray in the new and very vibratory Ulangi's dance. She appears in a stage production built specially for her talents, "The Ulangi's Revue," with a load of clever entertainers which includes Roy Cummings and Florence Roberts, Fields and Bell, the three Crosby Brothers and the Ulangi steppers.

The second stage show features Frank and Milt Britton and band whom you will remember from last season's "Ziegfeld's Follies." This mad gang of musicians smash violins and fall through drums for thirty minutes of wild and nutty entertain-

ment. On the screen is "Hat Check Girl" with Sally Eilers, Ben Lyon, Ginger Rogers and Monroe Owsley. The story tells of the night-life and love-life of a hat-check girl who saw everything and told nothing—until she had to.

At the Tivoli and Uptown this week, Marion Davies in "Blondie of the Follies" plays the role of a girl of the tenements who rises to luxury on Park Avenue. Robert Montgomery gives his usual fine performance as a suave, ingratiating New York play boy while Billie Dove is seen as Blondie's pal. Others in the cast are Jimmy "Shozzle" Durante, whose travesty with Miss Davies of the John Barrymore-Greta Garbo love scene in "Grand Hotel" is one of the highlights of the picture; James Gleason, Zasu Pitts, Sidney Toler, Sarah Padden, Louise Carter, and Clyde Cook. At the Tivoli there will also be a stage show featuring Burns and Allen.

Maurice Chevalier is now playing at the McVickers in "Love Me Tonight", a typical Chevallier production with his usual cast, including Jannette McDonald, Charles Ruggles, Charles Butterworth, Myrna Loy, Elizabeth Patterson, Blanche Frederici and Ethel Griffies.

Douglas Fairbanks comes back after more than a year's absence from the screen in "Mr. Robinson Crusoe" at the United Artists. The story was filmed on an island in the South Seas and the cast includes William Farnum, Miss Maria Alba, Earle Brown and others.

## Cloakroom Manager Has Influenza Attack

Al Curzon, manager of the cloakroom and mimeographer of the final examinations, has been confined at home with an attack of influenza for the past week. Al felt like returning to school several times but the timely intervention of his doctor prevented this action. He returned Thursday.

### Twilight

On twilight's wings come evening's shadows  
Just beyond the sun's last ray,  
Dressing hillside, brook, and meadows  
With the cloak of closing day.

Then a hush that follows after—  
Silence even winds obey—  
Broken soon by youthful laughter  
As from toil they turn to play.

Twilight time with all its blessings  
Softening noontime's scars with gray  
Comes with peace to all our dwellings  
Resting age while youth is gay.

H. W. Hoebel.

Harold Hoebel, assistant to Mr. Griffin in the chemical storeroom, has contributed some very worthwhile poems to the "News". We are printing two of them in this issue. The work of other poets at Armour should be recognized. Our contribution box is near the elevator on the first floor.



# Enough Turkish, but not too much, that's Why!

Hear the Chesterfield Radio Program, Mondays, Wednesdays, Fridays—10 p.m., Tuesdays, Thursdays, Saturdays—9 p.m., E.D.T. Columbia Network.

Turkish tobacco is to cigarettes what seasoning is to food . . . the "spice," the "sauce." You don't want too much seasoning in food. Or in a cigarette. But you do want enough!

Chesterfield uses just the right amount of Turkish tobacco. Not too much, but just enough to give to Chesterfield the finishing touch of better taste and aroma.

Smoke a Chesterfield . . . and taste the difference.

# Chesterfield

# The Armour Engineer, Its Development, Content, and Purposes

By Jarl T. Sorensen (Editor-in-Chief)

This series of articles is written with only one vital purpose in mind. I hope to be able to present to every student a true picture of the constant advance of the Armour Engineer throughout its history, and to explain fully the newly conceived magazine which will be distributed November tenth. The new Engineer will be of a modern make-up, of a richer content, and will be of vastly greater value to all.

**First Published in 1907**  
The first Engineer was distributed twenty-four years ago, it then being a small technical journal with articles written solely by alumni and faculty members. There were no interesting news and technical sections to present to the readers new ideas of the times and give them more information of varied technical and scientific subjects.

Capable student staffs carried the magazine on, always developing it in some way, with new sections added, or in the more subtle manner, with advanced styles of type and make-up. The Engineering College Magazine Association had been formed with the primary purpose of creating a standard size of type page in all member magazines with a resulting ease in the solicitation of national advertising, and to add to the improvement of editorial quality and make-up in the many technical college periodicals then existent. The Armour Engineer became a member of the group in 1924, the succeeding staffs rapidly absorbing all there was to be gained from this affiliation.

**Used as Standard by E. C. M. A.**  
The Engineer very soon rose to a peak position among the twenty-four members of E. C. M. A., the chairman having stated at the 1930 convention this praise: "... Let me say that it will be the realization of one of my ideals when all E. C.

M. A. magazines look as well as Armour's." In glancing through correspondence of the past two years with E. C. M. A., I have often seen it suggested that certain member magazines take a copy of the Armour Engineer to their printers, asking that their publication be made on a par with the Engineer in quality and make-up. Thus we can see how former staffs have produced a magazine in the fore of American technical college publications.

**Publication Board Created**  
In 1931 the Development Plan of Armour Institute of Technology was put into effect. In its operations a Board of Publications was created to govern the two major student publications, the Armour Engineer and the Armour Tech News. One of the first duties the members of this Board undertook was a full analysis of E. C. M. A. and its value. The Armour Engineer was easily in the fore of the member publications, with little to gain in experience and content from its membership. The standard size of type page required was undoubted in most magazine format. It was realized how difficult the securing of really excellent photographs has always been, and though those in the Engineer have been on a par with any, yet many in previous issues could be said to be indistinct and of little real value to the reader. The E. C. M. A. has required enameled paper, realized to be greatly inferior in appearance. This fact, together with a realization of the ineffectiveness of photographs except in rare cases of vital necessity, caused a decision in favor of the use of antique paper with its more favorable appearance. The decision to change page size, paper stock and types rendered necessary the Engineer's withdrawal from E. C. M. A.

**Independence is an Advantage**  
The group rules impose certain conditions as to agency commissions for advertising, which have been to the disadvantage of the Engineer. It is hoped that our present independent position will result in an increased advertising revenue for the next year.  
(The second article of this series will explain the content of the new Armour Engineer, and will relate its increased value to the technical student.)

## Fraternity Notes

### PHI KAPPA SIGMA

With only three graduates lost, and with the return of almost the entire active chapter, Phi Kappa Sigma is looking forward to one of the most successful years of its existence. Carroll Simmons is taking over the editorship of the Cycle, and James Juvinall and Ellsworth Eberth are holding the offices of Associate Editor and News Editor on the Armour Tech News, respectively.

Louis Reigler, of last spring's infield, is back to take an active hand in the coming basketball campaign. Bob Van Dyke, also a sophomore and a letter-man, is returning to carry on at trunk.

During the summer, James Bryant, '32, established himself in a home in Oklahoma and is now the proud parent of a bounding baby girl. We extend our heartiest congratulations to Jimmy and wish him all the luck in the world.

### RHO DELTA RHO

Rho Delta Rho is now entering its fourteenth year as a local fraternity on the campus of Armour.

This summer was crowded with many get-togethers for the fellows, among them being a beach party at "no man's land." Wieners were roasted and marshmallows toasted well into the night—or rather into the morning.

Last week the fellows were busily engaged in a general housecleaning at our new home at 3043 S. Michigan

### SIGMA ALPHA MU

The summer's activities of the fraternity consisted of two house parties given by the alumni and a beach party sponsored by the active chapter.

The Chicago Alumni Club is sponsoring a dinner-dance at the Allerton Club on Wednesday, September 21. Several of the active members plan to attend this affair.

The chapter is pleased to announce the pledging of Zorro D. Ruben, C. E. '34.

### DELTA TAU DELTA

A number of alumni have visited us during the summer. Butch Bond and Cese Larson are now living at the house.

The chapter welcomes Brother Kennedy of the Purdue Chapter who plans entering this fall term.

The chapter announces the marriage of Ted Schules to Doris Hassey who are now living in Omaha.

### TRIANGLE

With seven men graduating last semester, including Lind, Waindie, Rassing, Venema, Young, Bengtson and Shultz, the rest of the chapter has placed the house in order after a week of the famous fraternity clean-up.

An announcement was received

### BACHELOR'S HAND LAUNDRY

For Better Work and Service  
102 E. 31st Street

September 3 that Brother Vander Velde '31 is now the husband of the former Miss Bernice M. Lauer. Speaking of Van we might add that his classmate R. M. Spencer is now a proud father of a baby girl named Sylvia. Mrs. Spencer is the former Gwendolyn Lyford, sister of Pledge Brother Bob Lyford.

J. E. Harrower '27 has been transferred from Pensacola, Fla. to San Diego, Calif.

### SIGMA KAPPA DELTA

"Red" Andrews, Stan Newlin, Harold, and "Hank" Fox, alumni of the Sigma Kappa Delta fraternity spent their summer months in residing at the house. Also Ed "Chief" Stehno returned from Dubuque after another season with the professional baseball team.

George M. Reed, a junior electrical and a member of S. K. D. participated in a swimming meet at Delavan Lake, successfully winning first place in swimming and second place in diving.

### BETA PSI

Impossible as it may have seemed last Wednesday, the house is thor-

oughly cleaned and again in order. Humiston came in first in the carpet beating contest, winning the jar of blister salve. Staib talked a close second.

Unofficial reports say that the chapter will be practically one hundred per cent as school opens. Eddie Staron may not be back until mid-semester but his credits will not suffer as he was a semester ahead of his class.

### THETA XI

Brother Baumann attended the sixty eighth annual convention of Theta Xi which was held in Los Angeles immediately following the Olympics. New chapters were instated at Northwestern, Alabama and Amherst.

All the fellows are back and have the house in readiness for the coming school year.

Brothers from Rose Polytech, U. C. L. A., Wisconsin and Illinois visited the house during the summer. Those who attended the summer school celebrated the end of the term with a dance on Friday evening, July 28.

## ALICE RESTAURANT

3117 Wentworth Avenue  
Special Student Plate Lunches - - 25c  
including  
BREAD, BUTTER, COFFEE or TEA, DESSERT  
Home Cooking

## FACULTY CLUB REMODELED



Left to right: Professors Spencer, Winston, Seegrist, Foster, Nash, and Moreton.

Under the able direction of Professor Moreton members of the faculty have been busily engaged in planning and working on improvements in the faculty club. The physical labor was begun last fall and will not be completed for a short time yet.

Dressed in old clothes and outfits that at times approached the classification of ludicrous, the faculty members have been busily engaged in running levels, sawing, hammering, plastering, painting, and installing a ventilating system.

A ventilating system that builds up a slight pressure throughout the clubrooms has been installed. While the system is in operation a red pilot light in the hallway is lit. The last man to leave the rooms is reminded by this light that the system is on so that he is able to turn it off.

Several new rooms have been added to those formerly occupied. All of the rooms of the suite are finished in a light oak panelling with a cream colored paint on the walls. A magazine rack has also been constructed and placed in the hallway.

A new lavatory with new fixtures has been installed. Some odd pieces of marble that have been unused in storage about the Institute were pressed into service and form an attractive panelling. A ventilating system that goes into operation when the light is turned on in this room is an ingenious feature.

The men who devoted a great deal of their time to this project are Professors Moreton, Spencer, Swineford, Seegrist, Nash, Winston, Grafton, Perry, Bibb, Colvert, Foster, Sear, Snow, and Teach.

"Nature in the Raw  
is seldom MILD"

### CUSTER'S LAST STAND

"Nature in the Raw"—as portrayed by the great painter of the American Indian, N. C. Wyeth... inspired by the massacre of Custer's dauntless band at Little Big Horn, Montana, by the savage Sioux Indians, June 25, 1876.

## —and raw tobaccos have no place in cigarettes



They are not present in Luckies... the mildest cigarette you ever smoked

WE buy the finest, the very finest tobaccos in all the world—but that does not explain why folks everywhere regard Lucky Strike as the mildest cigarette. The fact is, we never overlook the truth that "Nature in the Raw is Seldom Mild"—so

these fine tobaccos, after proper aging and mellowing, are then given the benefit of that Lucky Strike purifying process, described by the words—"It's toasted". That's why folks in every city, town and hamlet say that Luckies are such mild cigarettes.

**"It's toasted"**  
That package of mild Luckies

"If a man write a better book, preach a better sermon, or make a better mouse-trap than his neighbor, let him build his house in the woods, the world will make a beaten path to his door."—RALPH WALDO EMERSON.  
Does not this explain the world-wide acceptance and approval of Lucky Strike?

# TECH BASEBALL TEAM TIES FOR SECOND IN NORTHERN INTERCOLLEGIATE CONFERENCE

## Wheaton Wins Championship After Breaking Triple Tie

### BASKETBALL SEASON REVIEWED

In this article is given a brief review of last year's sports. Basketball and baseball are discussed in this issue and summaries of other sports will be given later.

The baseball season just past is noteworthy in that Armour made a good showing in the first season in the Northern Intercollegiate Conference composed of Elmhurst, Lake Forest, Mount Morris, North Central and Wheaton in addition to Armour. Tie for second place in this league is no mean achievement when the team had only three regulars from the previous season. This lack of experienced material was evident in the games where a few bunched hits would have brought in runs. For this reason the next season is looked forward to in anticipation of a good year.

The basketball team had a hard schedule with fast teams such as Detroit City College and Michigan State Normal, but the squad did well under the tutelage of Coach Kraft.

#### February Ushers in Baseball

Candidates for the baseball team started practice in February. The prospective pitchers and catchers working out in the gym, while infielders and outfielders did not start until a month later. A total of sixty-five men responded to the first call, but this number was cut to a more workable size. Since only three men were back from last year's team it was a task to assemble a team from the field of aspirants.

The opening game of the season was a 7 to 4 victory over Chicago Normal. Mayer pitched this non-league game.

The first league game was a 4 to 0 defeat given by North Central. Armour's hits were too scattered to be effective.

The second practice game ended in a 6 to 6 tie with Crane College.

#### Defeat Wheaton and Elmhurst

By effectively halting last minute rallies by the opposing teams, the Tech squad was credited with two league victories. Wheaton returned home with the short end of a 6 to 2 score. Five runs by Armour in the first inning were the start of a lead against which Elmhurst could not cope. The final score of 10 to 8 sent the Armour team home rejoicing.

The Alumni were defeated 10 to 9 in the annual contest held at Ogden Field. "Chief" Stehno pitched a good brand of ball, but lack of practice caused errors in the infield.

North Central returned home with a 7 to 0 victory over Armour. The Armour batters found their batting eyes in a 4 to 1 victory over Mt. Morris. Ten hits at needed times put across the runs, and altho Mt. Morris batted out 6 hits, they were scattered and produced only one run.

#### Fourth League Victory

The fourth league victory was earned by defeating Lake Forest 6 to 2. The Kraftsmen played good ball to win this game and it added to the success of Junior Week.

An eighth inning rally by Armour fell short of the mark and a 9 to 7 defeat was handed to them by Michigan State Normal.

An upset was recorded when Mt. Morris took the long end of a 9 to 2 score. Seven errors by Tech were a factor in the defeat. Elmhurst revenged a loss by winning 8 to 1 over Armour. The Techmen were powerless at bat.

#### Defeat Leaders

Armour defeated the league leaders, Wheaton, in a 5 to 3 game. It was as a result of Buchne allowing only four hits and striking out eleven batters that a rally fell short. The final game of the regular season resulted in Armour defeating Lake Forest, 2 to 1, in a postponed game. The result of this victory was to place Armour in a triple tie with Wheaton and Mt. Morris.

In the playoff on the morning of Memorial Day Wheaton defeated Armour, 6 to 5, in a thirteen inning game at Wheaton. In the afternoon Wheaton won the league championship by defeating Mt. Morris, 3 to 0.

A call for basketball candidates was issued by Coach Kraft in the first part of November and forty-five men responded. After a month of practice the alumni were met and defeated 43 to 25. In a practice scrimmage the U. of C. B team was defeated 27 to 19.

#### Three Successive Victories

The third victory of the season was recorded when Armour defeated the American College of Physical Education. The accurate passing and shooting of the Tech team resulted in a favorable 35 to 21 score. The first loss was a hard fought contest with North Central, the game being lost by a 27 to 23 score. Two days later Crane College was vanquished, and then the Tech quintet was defeated by DeKalb, the latter contest being a rough and tumble affair.

#### Close Game Won

A close game in which the score was repeatedly tied turned out to be a 31 to 29 victory over "Y" College. A well balanced team accounted for the victory, every member who played breaking into the starting column. Another loss was chalked up when Augustana defeated the Tech quintet at Rock Island. Although Armour had the lead most of the time, the opponents passed Tech in the last few minutes of play.

#### Defeat Wheaton

In a spirited game at Wheaton, Armour defeated the home team 42 to 40. It was tough and go all through the game and Wheaton's final rally fell just short of the mark.

The first home game was lost to the powerful Detroit City College aggregation. Altho Tech presented a good defense, Cornell of the opposition broke them with a host of seven baskets and a free throw to help fire his team a 29 to 21 victory.

In a practice tilt with Chicago Apprentice School, Armour emerged with a 40 to 26 victory. Then Tech took to the road and were defeated by Michigan State Normal and Detroit City College.

The Kraftsmen again defeated "Y" College, this time by a 25 to 22 score. The game was close throughout the game, and good playing was necessary to win.

#### Average Loss

Crane College administered a defeat to Armour in a home game for its previous loss, and in turn Tech made reparation for a former defeat by winning over Augustana with a 22 to 16 score.

The final game of the season was with Michigan State Normal, which ended in a 26 to 22 victory for Tech.

George Baumstabenour was elected captain for the coming season. Major "A's" were awarded to Captain Baumstabenour, Esch, Baumstabenour, Christoph, Setterberg, Ilg, Cantam, and Baumstabenour.

Of these men four will return for the coming season: Baumstabenour, Christoph, Ilg, and Baumstabenour. With these men as a nucleus Coach Kraft will start to build up a team, practice commencing early in November.

#### Final Baseball Results

Table with 2 columns: Team Name, Score. Lists results for Chicago Normal, Crane, North Central, Elmhurst, Wheaton, Alameda, Michigan State Normal, Mt. Morris, Lake Forest, and Armour against various opponents.

Oklahoma City College football players work their way through school by being in the city fire department.

Four Princeton polo teams had games on the same afternoon recently.

## Faculty and Varsity Golf Men Play Match

In a closely contested match between two faculty members and varsity golf men at Evergreen, final results revealed the latter as victors by virtue of one match to none.

Professor Leigh was vanquished by Captain Dave Pearson while Professor Bibb made Sven Johannisson work to tie their match. In order to make the matches more even, the faculty members were given a handicap of a stroke a hole, and this handicap, coupled with some subtle strategy by Professor Bibb, almost proved the undoing of Johannisson.

At no time during the match was Professor Samuel Fletcher Bibb more than two down. On the last nine he put on a sport and began to draw close to Sven, who was playing a good, consistent game of golf. He finally caught Sven on the seventeenth hole and they tied off on the eighteenth all square.

In order to tie the match Johannisson had to sink a fifteen footer on the eighteenth green and Professor Bibb had, on the last seventeen greens, almost convinced Sven that it was a mathematical impossibility to play such golf.

To make a tight match interesting, Sven heded his put in the Professor Samuel Fletcher Bibb and thus saved himself a bright new golf ball.

## SOME COMMENTS BY INDUSTRIALISTS ON ARMOUR PLAN

Results of the work of the Development Committee are becoming more and more evident and the helpful interest of the men who are leaders in education and industry is proved by their observations on the Armour Plan.

The Plan tends not only to help industry by providing men adapted to its needs but also to aid the graduate by fitting them with an education which will enable them to see the future needs of the industries.

This education will be broader and more general in scope. A broad humanistic education will assist the graduate in gaining a realization of their responsibilities and teach them how to discharge those responsibilities.

Robert H. Spahr, director of instruction and curriculum development at the General Motors Institute of Technology says: "There is a growing appreciation that an engineering course may equal any other course in general educational or cultural values."

From the Eagle-Packer Land Company, concerning the Plan, "That Plan, if consistently followed, would undoubtedly result in industry obtaining graduates who are better fitted for the particular work they will be called upon to do. The instillation of personality in addition to scholastic attainment is a step in the right direction, since personality is a contributing factor of great importance in the work which anyone has to do in industry."

Up to the time of the "Cruel" in 1929, Industrialists were doing business at such a high rate of speed that little attention was paid to the future needs of the industry as to the education of the men that were employed.

Now they are going back and trying to stabilize the foundation of industry by seeing that the graduates employed by them have educations with a basic soundness on which they can rely.

Many interesting and helpful comments have been obtained by the Committee. An executive of International Harvester Company says: "I think you have struck at the heart of a very important fact and should to see this effort made to coordinate the work of college training in industries' needs."

### WRIGHT'S AUTOBIOGRAPHY

The Burnham library has acquired a copy of Frank Lloyd Wright's "Autobiography." It should be particularly interesting to those who heard Mr. Wright speak at the Institute last year. He is as disconcertingly nonchalant in his writings about men and events as in his talks.

To those interested in things historical we might mention the fact that the Burnham Library has a letter of Sir Christopher Wren's on exhibition.

## TECH SHORTS

It seems that we weren't the only ones who came back to school before the official opening. Some of the grads were around, too, among them Harry Setterberg, the basketball player.

Since the lunchroom has been moved from the fieldhouse to Mission it is expected that there will be more room for the athletes. It has been too crowded for comfort in the past and more space will be appreciated by all concerned.

Coach Kraft was laid up in the hospital with appendicitis this summer.

The baseball team did well for its first season in the conference. Lefty Mayer and Bill Buchne bore the brunt of pitching activities. It looks as if next year ought to be a good one for the team.

The tennis tournament will start as soon as possible. All interested are requested to watch the bulletin board for detailed information. We hope that a champion will be declared before the courts are buried in snow. This tournament will give Coach Colvert an opportunity to look over prospective material for the Varsity. Here's your chance to show your stuff after a season of summer tennis!

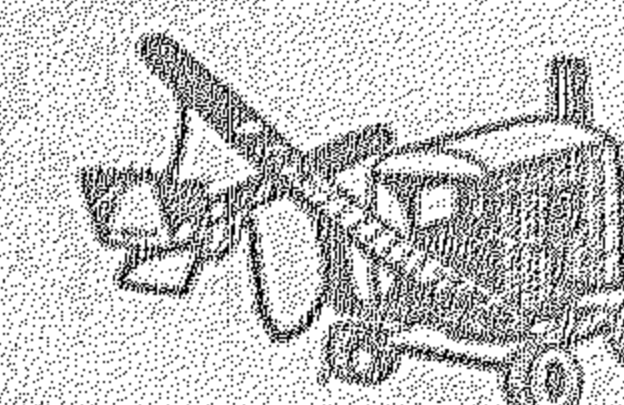
It won't be long before the air is filled with news of various sports. In about a month basketball will loom large on the horizon. Boxers will overhaul their equipment in preparation for the coming season, and the swimmers will be putting the final touches to their form acquired after a summer of practice.

Coach Kraft has ten basketball games on the schedule at this time, and more are being arranged for. Manager I. C. Johnson is assisting him in this.

Freshmen are urged to engage in some activity at school. If you are proficient in a sport, watch for bulletins and go out for it when tournaments and calls for candidates are announced. The coaches will be glad to aid you in any possible way.

The News has openings for reporters on the business and editorial staffs. This is a chance to show your literary or business inclinations.

### THE STEAM SHOVEL



A brief note to the freshmen: this edition is maintained by, for, and about the students (not to mention the profs). Place your contributions in the News box.

Vacation sure gets one. The eminent Jimmy Jevinal was heard trying to calculate the number of times the sum of 20 dice would equal 100. Send in your answers.

Society Note: Joe Fernbach, Milt Prihan, and Wes Dummer, known at Armour as the unholy three recuperated from the finals at Dummer's summer home on the Fox River.

Diamond Dickey, conductor of the Elmpitck has been ill the latter part of the summer and will return to school about a week late. Nevertheless the News must be printed and so Diamond writes his humor in bed.

Art Oberbeck has returned to school after a year's absence.

Sorry we can't say much about the freshmen yet since we only know Woodworth and Ormsby. But wait till next week—the Steam Shovel digs up everything.

And we can't ride that crowd of sophomore F. P. Es any more because (darnit) they are juniors now.

Dave Moreton and Walt Spencer spent most of the summer at work on the faculty club. Various other profs also showed that they had their practical as well as theoretical sides.

## ARMOUR'S ANNUAL TENNIS TOURNAMENT WILL BEGIN SOON

One of Armour's annual athletic events is the fall tennis tournament. It is especially for freshmen, new men, and all other tennis players in the Institute with the exception of lettermen from last year's tennis team. This year's tournament is to begin as soon as possible, since tournaments in former years have seldom been finished. Students interested in the tourney should watch the bulletin board for the entrance sheet and enter immediately.

During the past summer, the tennis courts have been given good care, and students who use the courts are requested to give them the care they should have while playing on them.

Professor W. W. Colvert, coach of the Tech tennis team and in charge of tennis activities at Armour, has announced that a list of the rankings of the men from last year's team and aspirants will be posted on the bulletin board. If men wish to improve their ranking, they have an opportunity to do so by challenging men within three above their own ranking. This plan is a very effective one for increasing interest in tennis and finding the true ranking of the tennis players in school.

Armour's well balanced tennis team of last spring, which closed the season with a record of five victories and four losses, is returning to school in full force this year. These men, who will be back for their second year together on the tennis team are: L. Streib, captain-elect; R. Arnabury, F. W. Paine, E. McDonough, and S. R. Cone. Besides these more experienced tennis players, it is rumored that there are some men entering this fall who were either prep stars or experienced players before coming to Armour. This should mean a highly

## ELECTRICAL HEAD ATTENDS MEETING AT OREGON STATE

(Continued from page 1) concrete example, it was pointed out that graduate students had increased three hundred percent in the last five years.

Dean Kimball of Cornell University delivered an address in which he emphasized the growing demand for engineers trained along economic lines to fill executive positions. The business aspect of engineering is being emphasized and will continue to be more and more.

Armour Plan Explained The Armour plan was presented to the convention by Mr. Robert H. Spahr, of the General Motors Institute of Technology. The program for Armour's expansion met with the whole-hearted approval of all of the delegates with whom Professor Freeman talked.

Professor Freeman combined business and pleasure by making an extended tour of the west on his return trip. Whereas it required only eight days to drive from Chicago to Oregon, Professor Freeman and his family took over seven weeks to return, visiting Glacier and Yellowstone National Parks, and several Universities throughout the west. Upon completing their western tour, they made a short eastern trip to see the total eclipse, and came back to Chicago by the way of Boston and New York, having driven twelve thousand miles.

Interesting and successful fall tournament as well as a good tennis season in the spring.

Advertisement for HOLLIDAY'S DELUXE SHOE REPAIR CO. with phone number 1516 and address 77 E. 35th St. AT MICHIGAN Ave.

There were all kinds of smoking tobaccos

... tobaccos made for cigarettes and pipes; granulated tobaccos. But there was plenty of room for a tobacco made solely for pipes. If you look, you will find that a great many tobacco packages say "for pipe and cigarettes." But the Granger package says: GRANGER ROUGH CUT Pipe Tobacco Granger is made by Wellman's Method and cut right for pipes—rough cut. Burns slower and cooler. Just try it!



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