



Armour Tech News



Vol. VIII. No. 1.

Armour Institute of Technology, Chicago, Illinois

Monday, September 21, 1931

FRESHMAN CLASS NUMBERS 270 ON REGISTRATION DAY

Limited Number Chosen
From Over 700
Applicants

SELECT BEST MEN

The popularity of Armour Institute as an engineering college was again shown by the 700 applications for entrance as members of the class of 1935. Due to the limited space, it was found necessary to limit the class to 270 freshmen.

Just before registration, the quotas for all the engineering departments were filled though several more openings were available for prospective architects.

The freshmen were divided among the various courses as follows:

- Mechanical Engineering50
- Electrical Engineering57
- Civil Engineering50
- Chemical Engineering38
- Fire Protection Engineering21
- Architectural Engineering37

Selection for enrollment was made upon the previous record of the applicant, his personality as revealed in the interview with the Dean and his activities in high school.

All parts of the country are represented in the group, thus showing that Armour's reputation is country-wide, not local.

How to Register

Freshmen are to register and enroll on Monday, September 21, in the following manner.

1. Fill out enrollment and registration card and enroll in the Drafting Room, fifth floor, main building.
2. Pay fees on the second floor and receive a registration receipt.
3. Enroll with their instructors, who will be found in the library. They will receive assistance in arranging their programs.

When enrolling with instructors, the registration receipt must be shown, as it entitles the student to enter classes.

Must Leave Program Card

As soon as the student has enrolled in all of his classes, he should make out a permanent program card and leave it at the Office of the Deans.

Each instructor is to sign the class enrollment card when the student signs up with him. When complete, this card is to be left in the office.

Sphinx Initiation Held at L. S. A. C.

The initiation banquet of Sphinx, honorary literary society, was held June 1, at the Lake Shore Athletic Club. Professor C. E. Paul gave the address of the evening to the twenty-three members and pledges who were present. Following the initiation ceremony an election of officers was held which resulted in the succession of W. H. Rudolf to the position of president and J. J. Casey to that of treasurer.

The following men were initiated at the banquet: M. R. Beal, E. W. Carlton, J. J. Casey, F. D. Chapman, H. R. Davis, M. Fagen, J. R. Jackson, C. H. Jens, J. S. McCall, H. P. Richter, W. H. Rudolf, M. J. Schinke, G. W. Schodde.

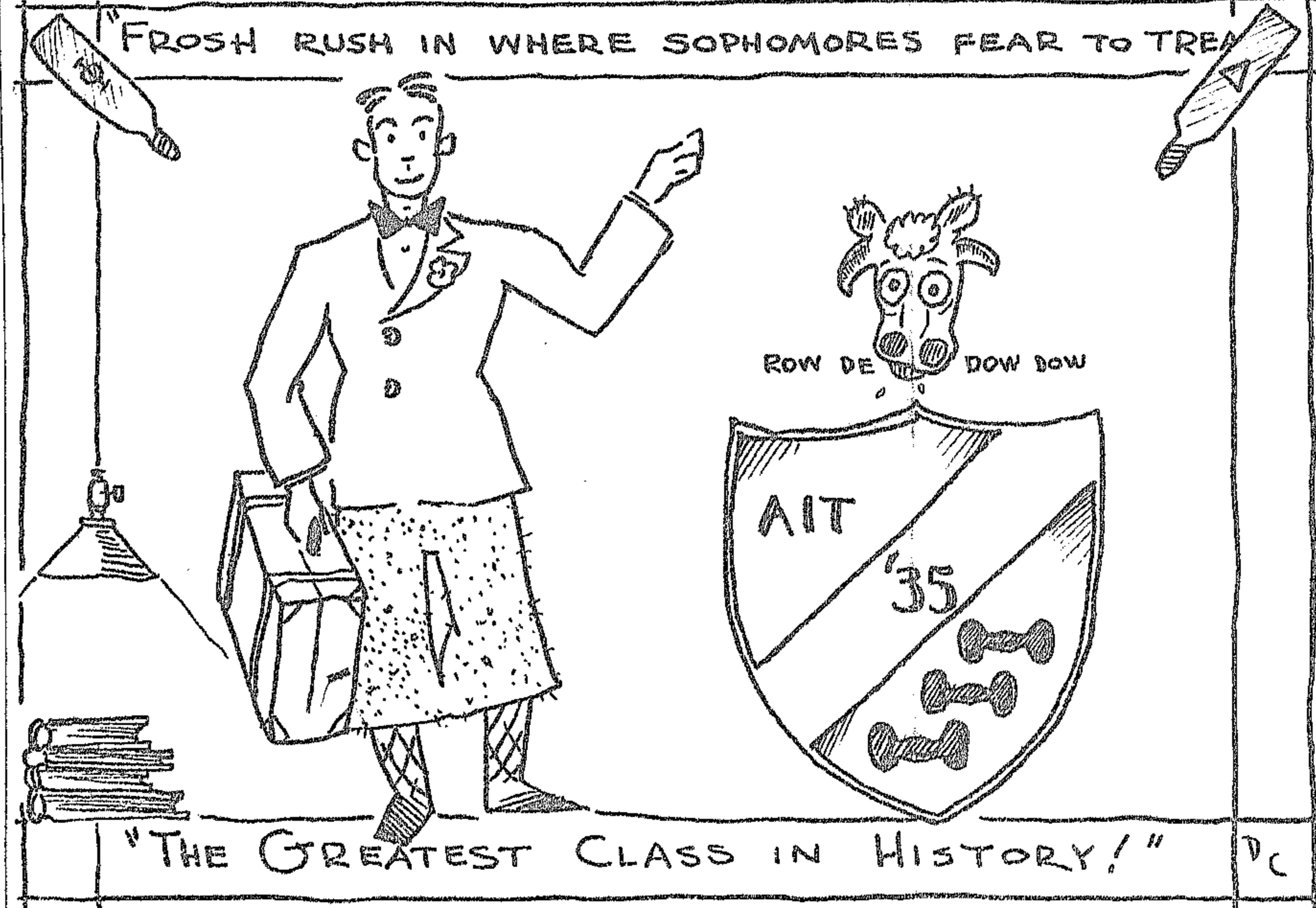
OFFICERS OF TAU BETA

Tau Beta Pi, honorary engineering fraternity held an election June 3 in the Tau Beta Pi rooms. The men elected to head the fraternity for the coming year are:

- J. O. Cavanagh, President.
- S. M. Lind, Vice-President.
- R. Meagher, Corr. Secretary.
- M. Fagen, Recording Secretary.
- W. N. Trauten, Cataloguer.

Professor Peebles of the experimental engineering department was re-elected treasurer.

WHAT'S IN STORE FOR HIM?



Ten Men Admitted Into Tau Beta Pi

Ten men were admitted to membership in the Armour chapter of Tau Beta Pi at the initiation banquet held May 28 at the Knickerbocker Hotel. After the dinner, Professor Gebhardt gave a talk urging the members to balance their work and play, that being, according to him, one of the most necessary qualifications for a happy life.

The initiates were as follows:

- A. Bogot, M. E., '32.
- C. N. Cannon, M. E., '32.
- E. H. Chun, M. E., '32.
- H. R. Davis, M. E., '32.
- M. Fagen, E. E., '32.
- R. E. Meagher, C. E., '31.
- H. C. Rossing, C. E., '32.
- W. H. Rudolf, C. E., '32.
- E. A. Scanlan, Jr., F. P. E., '32.
- W. N. Trauten, F. P. E., '32.

New Men Needed In Armour Musical Clubs

With the opening of school the Armour Tech Musical Clubs launch another season of musical activity.

Efforts this year are being made to influence students of the sophomore and freshmen classes in joining either the Glee Club or Orchestra of the A. T. M. C. Several advantages are at hand with membership in either of these organizations among which is the fact that credit received in the musical clubs may be substituted for gym.

Try-outs will be held soon and the dates they will be held will be posted.

CHI EPSILON ELECTS

The Armour chapter of Chi Epsilon, national honorary civil engineering fraternity, held a short business meeting, May 28, for the purpose of electing officers for the coming year. The results were as follows:

- H. C. Rossing, President.
- W. H. Rudolf, Vice-President.
- C. A. Ericson, Secretary.
- O. Eskonen, Treasurer.

W. S. E. CHOOSES OFFICERS

Room B, Mission, was the scene of the election of officers of the Armour branch of the Western Society of Engineers, held at 10:30, May 29. About forty members were present at the meeting and the following men were elected:

- H. C. Rossing, President.
- O. Eskonen, Vice-President.
- E. L. Byanskas, Secretary.
- W. H. Rudolf, Treasurer.
- E. J. Wiltrakis.
- H. S. Nelson, Student Representative.

All are of the class of '32.

DIRECTORY OF ROOMS

- MAIN BUILDING**
 - Second Floor
 - Physics and Electricity Lecture Rooms
 - Third Floor
 - Freshman Chemistry Laboratory and Science Hall
 - Fourth Floor
 - Room A, B, and C
 - Fifth Floor
 - Freshman Drafting Room and Gymnasium
- 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
 - Armour Tech News Office
 - Fourth Entrance
 - First Floor
 - Rooms H and J
 - Fifth Entrance
 - First Floor
 - Civil Museum
 - MISSION BUILDING**
 - First Floor
 - Room D
 - Second Floor
 - Rooms A, B, and C
 - 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

Professor Heald Will Assist Dean

Professor Heald has been appointed assistant to the Dean. In this capacity he will handle to a great extent the social activities of the students and will be the liaison officer between the fraternities and the Institute. In addition to this he will act in an advisory capacity to the students with reference to their problems of student life. He will assist Dean Penn in the administrative duties generally.

CHEMICALS ELECT OFFICERS

The Armour branch of the American Institute of Chemical Engineers held an election in the physics lecture room Friday, May 29. The following officers were elected:

- G. J. Stockman, President.
- S. E. Winegar, Vice-President.
- A. H. Helmick, Secretary.
- R. H. Blom, Treasurer.

Faculty Changes Show Promotions

A statement, which follows, from the president's office shows a number of faculty promotions, additions, and resignations.

Professor B. Wells has been made head of the civil engineering department, Professor William C. Krathwohl has been made head of the mathematics department, Professor Henry T. Heald has been made assistant to the dean and Professor Robert V. Perry has been made dean of the evening classes.

Professor Donald E. Richardson has obtained a leave of absence to study at the University of Chicago.

Promotions

Melvin B. Wells—from Professor of Civil Engineering, and in charge of Aeronautical Engineering, to Professor of Civil Engineering, and Head of the Department.

William C. Krathwohl—from Associate Professor of Mathematics, to Professor of Mathematics, and Head of the Department.

Henry T. Heald—from Assistant Professor of Civil Engineering, to Associate Professor of Civil Engineering, and Assistant to the Dean.

Robert V. Perry—from Professor of Machine Design, and Director of Evening Classes to Dean of Evening Classes and Professor of Machine Design.

Albert H. Krehbiel—from Associate Professor of Freehand Drawing and Water Color, to Professor of Freehand Drawing and Water Color. William F. McCaughey—from Assistant Professor of Architectural Design to Associate Professor of Architectural Design.

Richard J. Foster—from Assistant Professor of Descriptive Geometry to Associate Professor of Descriptive Geometry.

Van Bauman Teach—from Assistant Professor of Mathematics to Associate Professor of Mathematics.

James S. Thompson—from Assistant Professor of Physics to Associate Professor of Physics.

Harold W. Haggard—instructor in Mathematics to Assistant Professor of Mathematics.

Walter L. Suter—from instructor in Architectural Design to Assistant Professor of Architectural Design.

Carl H. Johnson—from instructor in Fire Protection Engineering to Assistant Professor of Fire Protection Engineering.

Miss Ruth L. Verwey—from Cataloger to Assistant Librarian and Cataloger.

Edward R. Gatley—from Assistant in the Machine Shop to Instructor in Machine Tool Work.

(Continued on page 2)

Prominence Attained By Armour Architects

Mrs. Elizabeth Kimball Nedved, '25 Arch. recently became president of the Women's Architectural Club of Chicago, which is trying to organize all women architects of the country, with Chicago as the charter chapter and national headquarters.

Alfred Lorenz Mill, '31 Arch., is the winner of the \$250 Chicago Art Institute Home Traveling scholarship. He won the competition with the best design for a curative bath establishment.

NEW HEADS FOR A. I. E. E.

W. L. Jost was elected chairman of the Armour branch of the American Institute of Electrical Engineers at a meeting held in Room D, Mission, on June 1. The other officers elected were:

- T. A. McGill, Vice-President.
- R. Frye, Secretary.
- G. L. Bonvallet, Treasurer.

P. L. U. ELECTS OFFICERS

The following men were elected to office in Phi Lambda Upsilon honorary chemical engineering society Thursday, May 28.

- R. H. Blom, President.
- J. Cavanagh, Vice-President.
- O. G. Linnell, Secretary.
- S. M. Lind, Treasurer.
- E. Field, Alumni Secretary.

A. T. A. A. AWARDS LETTERS, CHARMS TO ARMOUR MEN

Athletes Also Receive
Sweaters and
Blankets

SIXTY RECEIVE HONORS

Thirteen major "A" blankets to graduating seniors, thirty-one major "A" sweaters, thirty-three minor letters, and seven sweaters were awarded to the school athletes by the Armour Tech Athletic Association last June. Four members of the Rifle Club received charms, and three men previously rewarded with charms were given bars with the date 1931 in bas relief. Charms were awarded to thirty-one members of the Glee Club and orchestra for their work of the past year.

Two men, C. J. Robin and C. C. Mago, received awards in two sports, Robin winning captain's letters in baseball and basketball, and Mago winning a major letter in baseball and a minor in boxing. E. H. Knox was awarded a major "A" and a captain's minor "A" in swimming.

AWARDS FOR COLLEGE YEAR 1931-32

- Basketball—Sweater and Major A**
 - C. J. Robin—Capt.
 - G. Beemsterboer
 - V. Omiecinski
 - S. A. Ott
 - W. M. Miran
 - H. C. Rossing
 - F. E. Rutkowski
 - E. C. Erland—Mgr.
- Baseball—Sweater and Major A**
 - C. J. Robin—Capt.
 - E. J. Stehno
 - C. C. Mago
 - C. T. Link
 - R. F. Young
 - W. F. Michalski
 - C. B. Sommer
 - L. Lynch
 - H. J. Moskowitz
 - S. Pepe
 - V. Omiecinski
 - V. J. Galvani—minor letter
 - T. B. O'Connor—minor letter
 - W. G. Buehne—minor letter
 - T. A. Woods—Manager
- Track—Sweater and Major A**
 - H. L. Fox—Capt.
 - Frank M. James—Capt.
 - C. J. Jens
 - K. S. Hirsch
 - A. W. Oberbeck
 - G. A. Nelson
 - D. Iverson
 - A. H. Jens
 - E. Sademan
 - H. S. Hendricks—minor letter
 - H. C. Setterberg—minor letter
 - D. S. Manson—minor letter
 - E. L. Cordes—minor letter
 - R. M. Krause—minor letter
 - O. T. Barnett—minor letter
 - A. H. Helmick—minor letter

Dr. Raymond Scheduled For Three Radio Talks

Last Wednesday morning at 10:30 Doctor Raymond, President of the Institute, delivered the first of a series of talks under the auspices of the Adult Education Council of Chicago over radio station KYW. The subject of his address was "Adult Education."

On the twenty-ninth of this month Doctor Raymond will deliver a second address on this same subject over station WMAQ at 10:40 A. M. In November or December he will make his third talk over the air in the evening.

TO HAVE OPEN HOUR

There will be an open hour for all Sophomores, Juniors, and Seniors on Fridays at 10:30. This period will be used for all meetings. Engineering society meetings, class meetings, and the like should be planned for this hour. It is important that arrangements be made with Professor Heald.

Armour Tech News

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

CHICAGO ASSOCIATION

CHARTER MEMBER

COLLEGE NEWSPAPERS

SUBSCRIPTION RATES

\$2.00 Per Year Single Copies, 10 Cents Each

MANAGING BOARD

Editor-in-Chief.....Wilbur H. Rudolf, '32
Managing Editor.....Max J. Schinke, '32
News Editor.....Edward W. Carlton, '32
Business Manager.....James J. Casey, '32
Faculty Adviser.....Professor Walter Hendricks

EDITORIAL DEPARTMENT

Feature Editor.....J. R. Jackson, Jr., '32
Fraternity Assistant.....Harold Bodinson, '33
Architectural Assistant.....W. W. Davies, '33
Art Assistant.....Dave Chapman, '32
Reviews.....Morton Fagen, '32
Columnist.....George Bonvallet, '32
Assistant News Editor.....Orville T. Barnett, '33
Copy Editor.....L. G. Wilkie, '32
Assistants.....
J. B. Dirkers, '32
J. W. Juvinall, '33

SPORTS DEPARTMENT

Sports Editor.....H. P. Richter, '32
Associate Editor.....C. Stempkowski, '33

Reporters

C. H. Fox, '32 N. E. Colburn, '34
H. F. Becker, '33 H. W. Davidson, '34
E. E. Eberth, '33 H. L. Gibson, '34
S. T. Leavitt, '33 W. Krol, '34
R. J. Mulrone, '33 D. F. Landwer, '34
F. W. Paine, '33 J. P. McGuane, '34
R. F. Rychlik, '33 V. Rimsha, '34
E. G. Avery, '34 J. A. Scheyer, '34

BUSINESS DEPARTMENT

Advertising Manager.....M. A. Collick, '32
Assistants
R. E. Nelson, '33 W. L. Bengston, '32
Circulation Manager.....J. S. McCall, '32
Assistants
E. H. Chun, '32 J. F. Bonnell, '34
R. Dufour, '33 L. Marcus, '34
C. B. Sommers, '33 T. C. Peavey, '34
J. A. Bacci, '34 C. T. Seaberg, '24

Vol. VIII SEPTEMBER 21, 1931 No. 1

"Everybody has ambition, of some kind or other, and is vexed when that ambition is disappointed: the difference is that the ambition of silly people is a silly and mistaken ambition; and the ambition of people of sense is a right and commendable one."

Philip Dormer Stanhope,
Earl of Chesterfield,
Born September 22, 1694.

To The Freshmen

The Armour Tech News wishes to extend a hearty welcome to the freshmen—the members of the class of 1935. We hope that you will meet with success in your scholastic endeavors and that you will find the work interesting. Anyone who has attended Armour will admit that the schedule is rigorous and some of the courses really difficult. However, many of these men will also say that the time they spent here at school is the part of their life to which they look back with most pleasure.

The way to draw the greatest enjoyment from your school days is to enter as many extra-curricular activities as possible without detracting from your academic successes. The Armour Tech News has no intention of urging men to indulge in activities to the detriment of their studies but it stands firm in the conviction that interest in student affairs and organizations is a necessary part of a well-balanced college life.

Any student who lets his interest in undergraduate activities engross him to such an extent that his daily studies are neglected certainly cannot be said to be having a good time. Each class becomes a trial to be undergone as well as possible, each night's homework becomes an increasing drudgery. Finally the student gets so far behind in his studies that either he leaves school of his own volition or is asked to leave.

On the other hand, a student who does nothing in school but work, who's life becomes a constant alternation between classroom and study table, cannot claim to be getting the most possible out of his time. Of course, there are men in school who are required to work part time in addition to their schooling. No one can reproach them for not indulging in college affairs.

In the past the News has given its full backing to all recognized student activities, and it will continue to follow this policy in the future. The News is not alone in this attitude. The school authorities are also strongly in favor of activities which do not interfere with the scholastic grades of the students.

Armour has athletic teams in most of the sports usually found at colleges. All of them are eager for recruits. The musical clubs and the publications need men to fill the gaps left by graduation. All of these are worth while activities, and are open to all students. If a man starts his activities early in his college life and continues throughout his four years, there is no reason why he may not rise to a position either at or near the top of the particular organization he chooses.

Decide which activity interests you, enter it and follow it continually and you are bound to meet with success. Remember, activities are important—but remember also that schoolwork comes first.

"The Slipstick"

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

GREETINGS !!

We have been appointed official greeter for the class of '35. It doesn't matter by whom or when; we are perfectly willing to let it go at that. Of course we have a luxurious white car in which we might have met you at the station, but our white suit is soiled from the summer's use, and anyway we haven't enough room for some two hundred odd passengers unless one or two rode the fenders. But nevertheless, dear frosh, with open arms we greet thee.

We hope you will enjoy your stay at our house, and will do all in our power to make it interesting. We do grant that you'll have a few spare moments per day in which you ought to read the Tech News, among other things. There are plenty of extra-curricular activities for the rest of your spare moments, in at least one of which every one of you should take part. Friendships and experience obtained in press work, in the musical clubs, on the athletic field, and in numerous other activities are valuable and time devoted to these organizations is well spent.

Let us warn you, as we do every entering class, of the evils confronting new persons at this institution. Many older students will try to sell you tickets to the lunchroom, send you to the dean on the sixth floor, or try to sell you passes to the tank in Chapin Hall.

Warning! Do not give unknown persons any coin! See me. I am the only official agent. Reduced rates on trigonometry quiz answer books and Tech Grid Schedules.

May we offer to each one of you the vast resources of this column? We will answer all queries on legal, engineering, love, and beauty problems. Send all inquiries together with a self-addressed, stamped envelope to anyone you please. All information strictly confidential.

Do we ask for contributions to this column? No chance!! In fact, we dare you to "make" it. The Armour Tech News contribution box is in the hall on the first floor of the main building.

Among the things we learned during the summer was that we were a heliophilic. We'd also wager that at least fifty percent of you are heliophilic. If you don't know what such a person is you ought to be ashamed of yourself. A heliophilic is a person who sunburns easily.

Notiss !!

Any freshman caught yo yo-ing in front of the main building will be required to give a public demonstration on the stage at the next assembly.

It has been rumored that the reason graduates wear gowns is that they may hide their shaky knees. In response, we (and many of our friends) would venture that after a series of calc and phys quizzes, fraternity initiations, flunk notices, report sheets, "wanted in the deans' office" notices, etc., we have not the slightest trace of weak knees at the end of four years.

Stale Joke No. 1

Sambo: "What am dis heah millennium that Ah heah folks talkin' about?"

Rastus: "Yoh sho is igrorant, bo, yo sho is. A millennium is de same as one ob dose dere centennials, 'ceptin' it hab mo laigs."

No!! Our civils did not turn gangsters tho' several were employed in construction gangs during the summer.

The moratorium was accepted by all nations except our math professors.

Stale Joke No. 2

"He sings in a manner that is heavenly!" said one admirer.

"Well I wouldn't call it exactly heavenly, but it certainly is unearthly."

Went fishin' with Joe three times during the summer. Would have gone oftener except for the fact that the third time we went he had the hiccups, and it looked as if he had a bite every five seconds. We couldn't stand the suspension.

Stale Joke No. 3

First executive: "Did you enjoy your vacation?"
Second ditto: "Yeah, but there's nothing like the feel of a good desk under your feet again." Chemiker.

Day after that terrible storm one of our dailies stated that one was killed by a flask of lightning. It may have been a typographical error, and then again, it may not have been.

Stale Joke No. 4

Mrs.: "We hadn't been married a year when he hit me with a piece of sponge cake."
Judge: "Disorderly conduct, five dollars and costs."
Mrs. (sobbing): "And I'd made the cake with my own hands."
Judge: "Assault with a deadly weapon, one year."
—ABC.

And we hope that our new freshmen learn to read the column before the rest of the paper, like all the upper classmen do.

Thanxalot, and we'll see you anon.
The Bongineer.

REVIEWS

MEN AND MACHINES

By Stuart Chase

"Men and Machines" is an analysis of the changes wrought upon civilization as a whole by the introduction and exploitation of mechanized power. In a popular style Stuart Chase presents a detailed accounting of the influences; good, evil, and indifferent, brought to bear upon the mental and physical activities of individual man by the Machine Age. With the background of scientific treatment wherein the "why" as well as the "what" of each argument is expressed, "Men and Machines" becomes a really worthwhile study of a problem so essentially a concern of the engineering world into which someday we expect to enter.

Question Often Debated

The question "Has the Machine Been a Benefit or a Curse to Mankind?" will perhaps be remembered of high school debating societies, responsible for much empty mouthings and violent beclouding of classroom atmospheres. The arguments were cribbed by the one side from some earnest philosopher who moaned that man was losing independence and self-reliance, blunting and debasing his sensibilities, becoming a machine in himself; by the other from a wild-eyed, pink-spectacled individual who ceased his joyful hop-and-skip long enough to assure us of universal leisure, vast degrees of freedom, a tomorrow of our dreams, through the building of better machines. In the name of authority these statements became unalterable truths and, as such, were accepted, the problem was solved and mankind might again breathe easily after thanking the debaters.

Book Analyzes Facts

This picture is not overdrawn; on the contrary it may well be projected onto the larger screen of every-day life without losing any of its pitiful truth. Wholesale denunciations and wholesale glorification, unfounded and miserably unscientific meet one on every hand. "Men and Machines" is something refreshingly different. It is a clear-cut attempt to find the truth through an analysis of facts, whether they be "for or agin." Acknowledging the limitations superimposed by conflicting factors the author develops his arguments honestly and with an open, but not empty mind; carrying them out in an interesting manner that makes reading a pleasure. He treats of the development of the Machine Age, the meaning of mass production, the

effect of machines on craftsmanship, skill, fine arts, recreation, social intelligence. In the treatment he employs evidence so that effects may be sanely classified as condemnation or benefit or both.

Let us summarize the most important of these. As plainly beneficial consequences we have: an increase in the life-span, higher living standards, prospects for an era of international cooperation due to "shrinkage of space", decrease in hours of labor, decline of superstition. Some evil effects of the Machine Age are: the growing menace of mechanized warfare appallingly destructive, dependence of vast numbers of people on public works and utilities which may be upset by a crisis, alarming exploitation of national resources, the factor of monotony and wearisome repetition in mechanical work, specialization with its promotion of the importance of money, displacement of workers by machinery faster than they can be absorbed in other occupations. A few of the more important results which may be either good or bad are: the end of community self-sufficiency which makes for greater productive efficiency or greater social disaster, the uprooting of old skills which means loss of the individual touch but greater variety in the new, the factory system which may produce intolerable working conditions or provide useful work the physically handicapped, the breaking up of social customs which may be painful but invigorating.

Draws Conclusions

Not until all the facts are presented and discussed does Mr. Chase draw his conclusions, after first inviting the reader to do likewise with an equal chance of accuracy. Briefly, he believes that machinery has brought far more misery than happiness into the world, but that most of this has been due to the manner of mechanization rather than the phenomenon itself. He places the responsibility on man, not on the machine. For the future, he hopes that improvement will come, brought about by the fresh winds of change fanning the fire of vitality. The forecast is gloomy, dependent upon forestalling wars and depletion of natural resources.

"You ought to read "Men and Machines". If you've had a carefree vacation with little to worry about, it may put a few sobering lines on your map.

Then again, it may not. But you ought to read it.

—Morton Fagen.

F. W. Paine, '33, led the reporters of the News with lines contributed last semester, 527.

Six Members Added to Armour Faculty

(Continued from page 1)

Emil R. Zettler—from Assistant Professor of Architectural Modeling to Consulting Professor of Architectural Sculpture.

New Faculty Members

Sholto M. Spears—Assistant Professor of Civil Engineering.

Harold A. Vagtborg—Assistant Professor of Municipal and Sanitary Engineering.

Ross A. McReynolds—Assistant Professor of Economics.

Watson M. Davis—Instructor in Mathematics.

Carlyle Peck—Instructor in Elementary Machine Drawing.

Homer Z. Martin—Instructor in Chemical Engineering.

Hans Tropsch—Lecturer in Physical Chemistry.

Resignations

Ralph W. Hammett—Associate Professor of Architectural History.

Donald S. Ullock—Instructor in Chemical Engineering, and Curator of Chemical Laboratories.

Russel H. Ewing—Assistant Professor of Economics.

Leave of Absence

Donald E. Richardson—Assistant Professor of Electrical Measurements.

Deaths

Claude I. Palmer, Dean of Students, Professor of Mathematics, and Head of the Department—died suddenly on April 8, 1931.

Alfred E. Phillips—Professor of Civil Engineering, and Head of the Department—died on April 19, 1931.

Students Required To Pay Two More Fees

A letter regarding the amounts and methods of payment of tuition and fees for this semester was sent to all students of the Institute from the Office of the Deans.

Payment by check or money order is requested in preference to actual cash.

Two new fees have been added this semester. A fee of three dollars will be charged all students using the electrical laboratory. Students using the experimental engineering laboratory will also be charged a fee of three dollars.

NEW A. S. M. E. HEADS

The following men were elected to head the Armour branch of the A. S. M. E. at a meeting held last semester:

H. R. Davis, President.
C. N. Cannon, vice-President.
A. Bogot, Secretary.
J. S. McCall, Treasurer.

"Since I lent him my pen it has never been the same!"

Often said,
but NOT of
Parker Duofold



Don't make yourself unpopular by borrowing students' pens. Unless the pen is a Parker Duofold, your hand is apt to foul the point, or change its action. Don't expose yourself.

Stop at the nearest pen counter and pick the Parker Duofold that fits your hand to a "T." You'll be prepared then for any emergency—even for lending—gracefully.

For no style of writing can foul, or alter Parker's miracle Duofold point. Still it writes as easily as you breathe

—with amazing Pressureless Touch!

And even the Parker Duofolds at \$5 have 22% to 69% more ink capacity than some pens of other makes priced 50% higher. Yet none has Parker's stylish, balanced, streamlined design—"America's Shape-liest"—or Parker's Invisible Filler, or Patented Clip that lets the pen set low and unexposed in the pocket.

The only guarantee you'll need for life is the name on the barrel—"Geo. S. Parker—DUOFOLD."

The Parker Pen Company, Janesville, Wisconsin

Parker Duofold

PEN GUARANTEED FOR LIFE • \$5 • \$7 • \$10
Other Parker Pens, \$2.75 and \$3.50; Pencils to match them all, \$2 to \$5

COMPLETE PROGRAM SCHEDULE

INSTRUCTIONS FOR USE OF SCHEDULE

The program schedule printed on this page is the complete and official schedule authorized by the Deans' Office. The use of this simplified schedule is best explained by an example. For instance, assume the program to be made out is that of a Junior Civil. He will turn to page 25 in the Abstracted Bulletin of the Institute. Here he will find the subjects listed which must be taken in the first semester of the Junior year. After each course will be found a number such as English 5, M.E. 30, or C.E. 12. These numbers correspond to the numbers given in the schedule given below. The number C. E. 12 would naturally

be found under the Civil department courses, and opposite this number are given the days of the week, the time, the room, and the instructor. In this way, each course can be followed through until a completed program is arranged. Any conflicts found in making out a program should be reported to the Deans' Office, at once.

Note: A in the column under Dept. indicates that the course is open to students of all departments. Key. Drfg. R.—drafting room; P.L.R.—Physics Lecture Room, second floor Main building; E. L. R.—Electrical Lecture room, second floor, Main building; Sc. Hall—Science Hall, third floor Main building.

MECHANICAL

Course No.	Course	Dept.	Day of Work	Time	Room	Instructor
M. E. 1	Dev. of Heat Eng.	M. E.	M. W.	11:30	B Chapin	Nachman
M. E. 1	Dev. of Heat Eng.	M. E.	T. F.	10:30	B Chapin	Nachman
M. E. 2	Mechanism	M. E.	M. T. F.	11:30	C Machinery	Winston
M. E. 4	Machine Dwg.	M. E.	M. W. F.	1:10	Drfg. R. Chapin	Winston
M. E. 4	Machine Dwg.	M. E.	M. T. Th.	10:30	B Machinery	Perry
M. E. 6	Valve Gears	M. E.	M. W. F.	1:10	A Machinery	Swineford
M. E. 6	Valve Gears	M. E.	M. T. Th.	2:10	Drfg. R. Chapin	Swineford
M. E. 8	Adv. Mach. Dwg.	M. E.	M. T. W. Th.	9:30	A Machinery	Gohardt
M. E. 10	Heat Power Eng.	M. E.	M. T. W. Th.	9:30	A Machinery	Nachman
M. E. 13	Thermodynamics	M. E.	M. T. W. Th.	1:10	A Machinery	Lab. Instructors
M. E. 16	Jr. Exp. Eng.	M. E.	Daily & Sat.	2:10	Exp. Lab.	Lab. Instructors
M. E. 16	Jr. Exp. Eng. Lab.	M. E.	Daily & Sat.	11:30	C Machinery	Lab. Instructors
M. E. 18	Sr. Exp. Eng.	M. E.	Daily & Sat.	2:10	Exp. Lab.	Lab. Instructors
M. E. 18	Sr. Exp. Lab.	M. E.	M. T. W.	2:10	Mission Bas't	Perry
M. E. 19	Power Plant Dwg.	M. E.	To be arranged	8:30	Drfg. Room, Main	Foster
M. E. 22	Mechanical Dwg.	M. E.	Daily	8:30	Drfg. Room, Main	Foster
M. E. 24	El. Mach. Dwg.	M. E.	Daily	8:30	A Chapin	Seegrist
M. E. 26	Descriptive Geom.	M. E.	T. Th. F.	2:10	F Chapin	Seegrist
M. E. 26	Descriptive Geom.	M. E.	M. W. F.	3:10	G Chapin	Peek
M. E. 26	Descriptive Geom.	M. E.	M. W. F.	1:10	H Chapin	Peek
M. E. 27	Machine Design	Arch.	Sat. A. M.	8:30	Drfg. Room, Main	Foster
M. E. 27	Machine Design	E. E.	M. T. F.	9:30	G Chapin	Swineford
M. E. 27	Machine Design	E. E.	M. T. F.	9:30	F Chapin	Winston
M. E. 27	Machine Design	Ch. E.	M. T. F.	1:10	B Main	Seegrist
M. E. 27	Machine Design	F. P. E.	M. W. Th.	1:10	A Main	Foster
M. E. 30	Exp. Eng. Lecture	E. E.	M.	10:30	D Chapin	Lab. Instructors
M. E. 30	Exp. Eng. Lab.	E. E.	W. Th. F.	2:10	Exp. Eng. Lab.	Lab. Instructors
M. E. 30	Exp. Eng. Lecture	C. E.	T.	1:10	C Mission	Lab. Instructors
M. E. 30	Exp. Eng. Lab.	C. E.	W. F. Sat.	2:10	Exp. Eng. Lab.	Lab. Instructors
M. E. 30	Exp. Eng. Lecture	F. P. E.	T.	10:30	C Machinery	Lab. Instructors
M. E. 30	Exp. Eng. Lab.	F. P. E.	T. Sat.	2:10	Exp. Eng. Lab.	Lab. Instructors
M. E. 36	El. Heat Power	F. P. E.	M. W.	10:30	F Chapin	Winston
M. E. 36	El. Heat Power	C. E.	T. Th.	1:10	B Mission	Winston
M. E. 37	Thermodynamics	E. E.	M. Th. F.	8:30	A Machinery	Nachman
M. E. 38	Pattern Shop	M. E.	M. Th. F.	1:10	B Machinery	Nachman
M. E. 38	Pattern Shop	E. E.	M. Th. F.	2:10	2d Fl. Machinery	Peterson
M. E. 38	Pattern Shop	E. E.	M. W.	2:10	2d Fl. Machinery	Peterson
M. E. 38	Pattern Shop	F. P. E.	M. W.	8:30	1st Fl. Machinery	Foerster
M. E. 40	Forging	.....	Daily & Sat.	8:30	4th Fl. Machinery	Larsen
M. E. 42	Founding	Jr. M. E.	Daily & Sat.	2:10	3rd Fl. Machinery	Fornhoff
M. E. 44	Machine Shop	F. P. E.	M. W. F.	8:30	3rd Fl. Machinery	Fornhoff
M. E. 45	Machine Shop	E. E.	M. T. F.	2:10	3rd Fl. Machinery	Fornhoff
M. E. 46	Machine Shop	Sr. Mech.	Th. F.	2:10	3rd Fl. Machinery	Fornhoff

ELECTRICAL

Course No.	Course	Dept.	Day of Work	Time	Room	Instructor
E. E. 1	Soph. Elec. Lect.	E. E.	M. W. F.	10:30	E. L. R.	Richardson
E. E. 1	Soph. Elec. Lect.	E. E.	M. W. F.	11:30	P. L. R.	Richardson
E. E. 3	Soph. Elec. Lab.	E. E.	T. W. Th. F.	2:10	2nd Fl. Main	Sear
E. E. 5	D. C. Machinery	E. E.	M. T. W. Th.	11:30	E. L. R.	Moreton
E. E. 6	D. C. Lab.	E. E.	T.	1:10	D Mission	Moreton
E. E. 9	A. C. Machinery	E. E.	M. Th.	2:10	2nd Fl. Main	Freeman
E. E. 9	A. C. Machinery	E. E.	F.	1:10	E. L. R.	Freeman
E. E. 11	A. C. Lab. Lect.	E. E.	M. T. Th.	9:30	Drfg. Rm. Mission	Freeman
E. E. 11	A. C. Lab.	E. E.	Th. A. M.	9:30	F.	Snow
E. E. 13	Power Plants	E. E.	T. W. Th.	2:10	Dynamo Lab.	Snow
E. E. 14	Cent. Station Des.	E. E.	T. W. Th.	1:10	E. L. R.	Snow
E. E. 16	Econ. of Eng.	E. E.	Th. F.	2:10	Dfg. R. Mission	Snow
E. E. 20	Electricity Lect.	M. E.	T. Th.	11:30	E. L. R.	Freeman
E. E. 20	Electricity Lect.	M. E.	T. F.	2:10	A. Machinery	Nash
E. E. 20	Electricity Lect.	C. E.	M. F.	1:10	2nd Fl. Lab.	Nash
E. E. 20	Electricity Lect.	C. E.	M. Th.	2:10	B. Mission	Nash
E. E. 20	Electricity Lect.	C. E.	M. Th.	2:10	2nd Fl. Lab.	Nash
E. E. 20	Electricity Lect.	F. P. E.	M. W.	10:30	A. Machinery	Chifford
E. E. 20	Electricity Lect.	F. P. E.	Th. F.	2:10	2nd Fl. Lab.	Chifford
E. E. 20	Electricity Lect.	Ch. E.	M. W.	8:30	C. Machinery	Chifford
E. E. 20	Electricity Lect.	Ch. E.	Th. Sat. A. M.	8:30	2nd Fl. Lab.	Chifford

CIVIL

Course No.	Course	Dept.	Day of Work	Time	Room	Instructor
C. E. 4	Higher Surveying	C. E.	T. Th. F.	1:10	A Chapin	Jacobson
C. E. 4	Higher Surveying	C. E.	M. W.	1:10	A Chapin	Jacobson
C. E. 5	Rwy. and Hwy. Location	C. E.	T. Th. F.	1:10	B Chapin	Grafton
C. E. 5	Rwy. and Hwy. Location	C. E.	M. W.	1:10	B Chapin	Grafton
C. E. 6	Topographical Dwg.	C. E.	F.	2:10	Drfg. R. Mission	Grafton
C. E. 7	Strength of Materials	C. E.	Daily	9:30	B Main	Heald
C. E. 9	Astronomy	C. E.	M. T. Th.	10:30	A Mission	Penn
C. E. 11	Rwy. and Hwy. Const.	C. E.	M. W. F.	8:30	B Mission	Stevens
C. E. 12	Stresses	C. E.	Daily	9:30	B Mission	Wells
C. E. 12	Stresses	C. E.	Daily	11:30	B Mission	Grafton
C. E. 14	Graphics Prob.	C. E.	M. W. F.	1:10	Drfg. R. Mission	Ensz
C. E. 15	Masonry and Found.	C. E.	M. W. F.	1:10	C Mission	Ensz
C. E. 17	Concrete Design	C. E.	T. W. Th.	11:30	A. Chapin	Stevens
C. E. 18	Bridge and St'l Des.	C. E.	F.	2:10	Drfg. R. Chapin	Ensz
C. E. 20	Bridge and Str. Des.	C. E.	M. Th.	2:10	Drfg. R. Mission	Ensz
C. E. 20	Bridge and Str. Des.	C. E.	T.	1:10	C Mission	Ensz
C. E. 22	Econ. of Engineering	C. E.	W.	2:10	Drfg. R. Mission	Ensz
C. E. 23	Higher Structures	C. E.	M. F.	9:30	J Chapin	Stevens
C. E. 25	Higher Structures	C. E.	M. T. Th.	8:30	C Mission	Vagtberg
C. E. 27	Water Supply Eng.	C. E.	T. W. Th.	9:30	B Mission	Wells
C. E. 31	Aerodynamics	C. E.	Daily	11:30	C Mission	Vagtberg
C. E. 36	Surveying	E. E.	Sat.	11:30	A Mission	Jacobson
C. E. 37	Structural Design	F. P. E.	T. Th.	11:30	B Mission	Grafton
C. E. 39	Sanitary Engineering	Arch.	M.	2:10	Drfg. R. Chapin	Grafton
C. E. 41	Graphics Statics	Arch.	T. Th.	9:30	C Mission	Vagtberg
C. E. 41	Graphics Statics	Arch.	T. Th.	8:30	A Mission	Spears
C. E. 41	Graphics Statics	Arch.	T. Th.	9:30	A Mission	Spears
C. E. 44	Steel Construction	Arch.	Sat.	8:30	Drfg. R. Mission	Spears
C. E. 44	Steel Construction	Arch.	W.	10:30	Drfg. R. Mission	Spears
C. E. 44	Steel Construction	Arch.	F.	9:30	Drfg. R. Mission	Spears

PHYSICS

Course No.	Course	Dept.	Day of Work	Time	Room	Instructor
Phys. 1	Physics I Lect.	.....	M. W. F.	8:30	So. Hall	Wilcox
Phys. 1	Physics Recitation	.....	T. Th.	8:30	P. L. R.	Wilcox
Phys. 1	Physics Recitation	.....	T. Th.	1:10	J Chapin	Wilcox
Phys. 1	Physics Recitation	.....	T. Th.	8:30	B Mach	Colvert
Phys. 1	Physics Recitation	.....	T. Th.	9:30	J Chapin	Doubt
Phys. 1	Physics Recitation	.....	T. Th.	10:30	J Chapin	Doubt
Phys. 1	Physics Recitation	.....	T. Th.	8:30	Doubt	Thompson
Phys. 1	Physics Recitation	.....	M. W. F.	8:30	P. L. R.	Doubt
Phys. 2	Physics II Lect.	.....	T. Th.	8:30	J Chapin	Doubt
Phys. 2	Physics Recitation	.....	T. Th.	8:30	P. L. R.	Colvert
Phys. 2	Physics Recitation	.....	T. Th.	10:30	P. L. R.	Colvert
Phys. 2	Physics Recitation	.....	T. Th.	8:30	P. L. R.	Colvert
Phys. 3	Physics Recitation	.....	M. W. F.	10:30	P. L. R.	Colvert
Phys. 3	Physics Recitation	.....	M. W. F.	10:30	P. L. R.	Colvert
Phys. 5 & 6	Physics Lab.	.....	Daily and Sat.	A. M.	Physics Lab.	Lab. Instructors
Phys. 9	Radio Com.	.....	M. W.	9:30	E. L. R.	Wilcox
Phys. 9	Radio Lab.	.....	M.	4:10	2nd Fl. Main	Wilcox and Sear

CHEMICAL

Course No.	Course	Dept.	Day of Work	Time	Room	Instructor
Ch. E. 1	Gen. Chemistry Lab.	Ch. E.	Daily	1:10	P. L. R.	Gill
Ch. E. 5	Qual. Chemistry	Ch. E.	M. T. W. Th.	2:10	3rd Fl. Lab.	Gill
Ch. E. 6	Qual. Chemistry, Lab.	.....	Daily and Sat. A. M.	8:30	Se. Hall	Tibbals
Ch. E. 6	Qual. Chemistry, Lab.	.....	Daily and Sat. A. M.	11:30	3rd Fl. Lab.	Lab. Instructors
Ch. E. 9	Quan. Chemistry	Ch. E.	T. Th.	11:30	B. Main	Tibbals
Ch. E. 10	Quan. Chemistry, Lab.	Ch. E.	Th. F.	2:10	4th Fl. Lab.	Tibbals
Ch. E. 13	Organic Chem.	Ch. E.	M. W. F.	2:10	4th Fl. Lab.	Freud
Ch. E. 15	Organic Chem., Lab.	Ch. E.	M. T. F.	2:10	4th Fl. Lab.	Freud
Ch. E. 17	Organic Chem., Lab.	F. P. E.	T. F.	1:10	A. Main	Freud
Ch. E. 18	Organic Chem., Lab.	Ch. E.	T. W.	2:10	4th Fl. Lab.	Freud
Ch. E. 19	Organic Chem., Lab.	F. P. E.	M.	2:10	4th Fl. Lab.	Martin
Ch. E. 20	Adv. Organic Chem.	Ch. E.	M. T.	10:30	B. Main	Freud
Ch. E. 22	Chem. Eng.	Jr. Ch. E.	M. T. W.	11:30	C. Main	McCormack
Ch. E. 24	Chem. Eng., Lab.	Jr. Ch. E.	W. Th.	2:10	4th Fl. Lab.	Bentley
Ch. E. 25	Chem. Eng., Lab.	Jr. Ch. E.	W. Th.	2:10	4th Fl. Lab.	Martin
Ch. E. 25	Chem. Eng., Lab.	Sr. Ch. E.	M. T. W.	10:30	C. Main	McCormack
Ch. E. 25	Chem. Eng., Lab.	Sr. Ch. E.	M. T. W.	2:10	4th Fl. Lab.	Bentley
Ch. E. 28	Chem. Eng., Lab.	Sr. Ch. E.	M. T. W.	11:30	C. Main	Bentley
Ch. E. 30	Gen. Metallurgy	Ch. E.	M. T.	8:30	C. Main	Carpenter
Ch. E. 32	Gen. Metallurgy, Lab.	Ch. E.	T.	9:30	C. Main	Carpenter
Ch. E. 36	Physical Chem.	Ch. E.	M. W. F.	1:10	Metall. Lab.	Freud
Ch. E. 39	Electro Chem., Lect.	Ch. E.	M. W. F.	9:30	C. Main	Bentley
Ch. E. 40	Organic Chem., Lab.	Ch. E.	M. W. F.	1:10	C. Main	Bentley
Ch. E. 43	Indust. Chem., Lab.	F. P. E.	T. Th. F.	1:10	3rd Fl. Lab.	Schommer
Ch. E. 44	Indust. Chem., Lab.	F. P. E.	T. Th.	2:10	C. Main	Schommer

FIRE PROTECTION

Course No.	Course	Dept.	Day of Work	Time	Room	Instructor
F. P. E. 1	F. P. E. Lab.	Jr. F. P. E.	T. Th.	8:30	B. Chapin	Finnegan
F. P. E. 3	F. P. E. Lab.	Jr. F. P. E.	M. W.	1:10	Underwriters	Robinson
F. P. E. 3	F. P. E. Lab.	Jr. F. P. E.	M. W.	1:10	Underwriters	Johnson
F. P. E. 5	F. P. E. Lab.	Sr. F. P. E.	T. Th.	1:10	Underwriters	Robinson
F. P. E. 5	F. P. E. Lab.	Sr. F. P. E.	T. Th.	1:10	Underwriters	Robinson
F. P. E. 7	Under. Stand.	F. P. E.	T. Th.	9:30	B. Chapin	Finnegan
F. P. E. 9	Special Hazards	F. P. E.	M. W. F.	9:30	B. Chapin	Finnegan
F. P. E. 10	F. I. S.	F. P. E.	W. F.	9:30	D. Chapin	Holmes
F. P. E. 12	F. I. P.	F. P. E.	M. W. F.	8:30	B. Chapin	Finnegan
F. P. E. 14	Schedule Rating	F. P. E.	W.	11:30	F. Chapin	Holmes
F. P. E. 14	Schedule Rating	F. P. E.	W.	2:10	Dft. R. Chapin	Holmes

ARCHITECTURE

Course No.	Course	Dept.	Day of Work	Time	Room	Instructor
Arch. 1	Shades and Shadows	Fr. Arch.	M.	9:30	Art Institute	Lartz
Arch. 3	Freehand	Fr. Arch.	M. W.	10:30	Art Institute	Kreibbiel
Arch. 3	Freehand	Fr. Arch.	M.	2:10	Art Institute	Kreibbiel
Arch. 5	Freehand	Soph. Arch.	M.	9:30	Art Institute	Kreibbiel
Arch. 7	Freehand	Jr. Arch.	W.	1:10	Art Institute	Kreibbiel
Arch. 9	Water Color	Arch.	F.	1:10	Art Institute	Kreibbiel
Arch. 11	Modelling	Arch.	M. Th.	8:30	Art Institute	Hofmeester
Arch. 13	Arch. Design	Fr. Arch.	M. T. W. Th. F.	8:30	Art Institute	Suter
Arch. 15	Arch. Design	Soph. Arch.	Varies	-----	Art Institute	Bentley
Arch. 17	Arch. Design	Jr. Arch.	Varies	-----	Art Institute	McCauley
Arch. 19	Arch. Design	Sr. Arch.	Varies	-----	Art Institute	Beerman
Arch. 21	Hist. of Arch.	Arch.	T. F.	4:10	Art Institute	Hammitt
Arch. 25	Gen. Const.	Arch.	M. W.	-----	Art Institute	Wilmanns
Arch. 27	Specs. & Est.	Arch.	M. W.	-----	Art Institute	Wilmanns

MATHEMATICS

Course No.	Course	Dept.	Day of Work	Time	Room	Instructor
Math. A	Key Alg.	.....	M. W. F.	2:10	J Chapin	Haggard
Math. 1	Plane Trig.	.....	M. T. W. Th.	1:10	C Mission	Spencer
Math. 1	Plane Trig.	.....	M. T. W. Th.	2:10	B Mission	Bibb
Math. 1	Plane Trig.	.....	M. T. W. Th.	3:10	J Chapin	Haggard
Math. 1	Plane Trig.	.....			

COACH KRAFFT'S BASEBALL TEAM HAS VERY SUCCESSFUL SEASON DURING PAST YEAR

Omicinski, Stehno, and Captain Robin Receive Gold Baseballs for Work.

STEHNO AND LYNCH PITCH FOR TECH

Armour's 1931 baseball team under the direction of Coach W. C. Krafft and Captain C. J. Robin ended one of the best years' record by winning eleven and losing only three games. Manager Tom Woods scheduled some of the best college teams in the Middle West, some of them beating the Big Ten Teams in regular games.

Stehno Pitches One Hit Game
"Chief" Stehno ended his collegiate career by winning six and losing two games. His best game this year was his one hit game against DeKalb on May 26. LeRoy Lynch, freshman star, also had a good season by winning five and losing one game.

Gold Baseballs Awarded
Gold baseballs were awarded to "Vic" Omicinski who led the batting with an average of .392; "Chief" Stehno for his remarkable pitching record; and Captain C. J. Robin for his all round playing while being on Armour's teams for the past four years.

Forty-five men answered Coach Krafft's call for baseball material during the first week in March, and of these eighteen were either pitchers or catchers.

The season officially opened on April 15, when Tech defeated Crane Junior College, 5-1, at the end of six innings, game being called on account of rain. Stehno was the star of the game, striking out eight men and knocking out two doubles in three times at bat.

Lynch, by allowing only six scattered hits, and striking out eleven men, won Armour's second game of the season, 5-2, against North Central College of Naperville. Robin knocked the first home run of the season in the seventh with a left field drive, Moskowitz being on base with a double to his credit.

Tech lost its first home game of the season, 6-3, to Western State Normal of Kalamazoo, Michigan, when the opposing team drove in three runs in the eighth inning to break a 3-3 tie.

Captain Robin's three hits and Omicinski's home run over the deep center field fence were important factors in Tech's struggle for victory. Previous to this game Western State had defeated Wisconsin, Big Ten champs in 1930, 11-9.

Lynch won his second game of the season by defeating Morton, 9-8, in eight innings. Buehne, starting pitcher for Tech, was relieved in the fourth inning because of getting hit with a stray bullet while sitting on the bench. Moskowitz with three hits and Omicinski with his second home run of the season were stars of the game, both of them being freshmen.

Omicinski Hits Third Homer

Tech won its fourth game of the season by defeating Lake Forest on their home grounds, 6-4, in a 10 inning game. Vic Omicinski again won the game by hitting his third home run in the final inning. Stehno, pitching almost perfect baseball, allowed only four hits while striking out fifteen of his opponents. Lake Forest received most of their runs on infield errors.

Armour defeated North Central for the second time on May 2, 5-2, Lynch again receiving credit for the victory by allowing only five scattered hits. Moskowitz starred for Tech by getting three of Armour's seven hits, one of them a home run in the ninth inning.

Tech Wins Eleven Inning Game
Wheaton was defeated, 5-4, in an eleven inning game at Wheaton, May 5. The ministers tied the score in the ninth inning with a three run rally on three hits and two errors. Stehno again pitched good ball, striking out eleven men.

The Kraftsmen lost their second game of the season when Michigan State Normal handed them a 6-0 trimming at Ypsilanti. Tech, garnering nine hits, the same as their opponents, could not hit in the pinches.

Armour had to play 13 innings to finally overcome Wheaton, Stehno

winning his own ball game by getting on base in the final game.

Tech revenged their previous defeat at the hands of Michigan State by defeating them, 7-5, at Ogden Field. Home runs were made by Robin, Stehno, and Michalski.

Lynch, pitching for Tech, defeated the Alumni, 10-3, in a seven inning comedy of errors by the graduates. He also got two hits in three times at bat. Captain Robin pitched in the final inning striking out the three opposing batsmen, Hauser, Jennings, and Hofer.

DeKalb lost two games in a row to Armour, 7-0 and 15-6. In the first game, Stehno allowed only one scratch hit. In the second game Armour went on a batting spree in the last four innings, getting 13 runs.

Stehno lost the last game of the season to Lake Forest, 6-3. Although Tech outhit them 15-9, they couldn't hit when they needed them. Thus ended one of Armour's best baseball seasons.

Final Baseball Results	
Armour	5 Crane
Armour	5 North Central
West. State	6 Armour
Armour	6 Lake Forest
Armour	9 Morton
Armour	5 North Central
Armour	5 Wheaton
Mich. State	6 Armour
Armour	7 Wheaton
Armour	10 Alumni
Armour	7 De Kalb
Armour	15 De Kalb
Lake Forest	6 Armour

(Continued from page 1)

F. T. Munch—Manager

Tennis—Sweater and Minor A

- R. R. Eddy—Capt.
- W. E. Schirmer
- R. A. Timmermans
- L. H. Streb
- F. W. Paine—sweater only
- R. M. Krause—Manager

Golf—Sweater and Minor A

- H. B. Weis—Capt.
- D. Pearson
- S. Johannisson
- F. Ollison
- C. Wyant
- W. Weldon
- V. Alexander—sweater only
- R. E. Meagher—Manager

Swimming—Sweater and Minor A

- E. H. Knox—Capt. and Major A
- J. Cavanagh
- A. Weston
- E. Byanskas
- R. Carlstrom
- N. Giovan—sweater only

Boxing—Sweater and Minor A

- F. A. Ustryski—Capt.
- A. Montesano
- I. Heckmiller
- C. C. Mago
- H. P. Rush
- J. L. Campione
- W. L. Sandstrom
- S. A. Milevsky—sweater only
- W. V. Kosan—sweater only
- A. M. Hoffberg—sweater only
- J. A. Bacci—sweater only
- C. N. Cannon—Manager

Blankets awarded to graduating men who have won Major "A."

- A. H. Jens
- D. J. Iverson
- H. L. Fox
- F. M. James
- C. T. Link
- E. J. Stehno
- S. E. Pepe
- W. M. Miran
- R. A. Timmermans
- C. C. Mago
- S. A. Ott
- F. E. Rutkowski
- W. F. Michalski
- Rifle Club Awards
- Carl H. Sachs
- O. G. Linnell
- W. G. Hollmann
- Wm. Dickey

Bars with 1931 in raised figures put on charms that had been previously awarded to following:

- D. G. Wilson
- L. K. Hackley
- A. H. Helmick

Interclass Baseball To Begin Next Week

The annual inter-class baseball tournament will get under way sometime during the first week in October; the exact date will be announced in the next issue of the Tech News.

Rules that have governed the tournament during the last few seasons will probably be in effect again this year. All lettermen are eligible for competition but they can not play in the position they played on the team to win their award. Each class will have one afternoon for practice. The players however, will have to supply their gloves, and clothing but the balls and bats will be furnished by the school.

Last year the freshmen defeated the seniors by a score of 1-0 in the regulation nine innings. Previous to this they had defeated the sophomores 9-1.

CLUB OFFICERS TO MEET

To discuss plans for the coming season, there will be a meeting of the officers of the Armour Tech Musical Club.

The date and place for this meeting will be announced on the bulletin board.

Final Batting Averages 1931

	A.B.	H.	Av.
V. Omicinski	46	18	.392
Stehno	38	13	.342
Pepe	57	18	.316
Link	40	12	.300
Moskowitz	61	18	.295
Robin (capt.)	60	17	.283
Mago	57	14	.246
Michalski	50	12	.240
Sommer	44	10	.228
Galvani	9	2	.222
Lynch	21	4	.190
Young	17	2	.118
O'Connor	8	0	
Schohl	4	0	
Grundstrom	3	0	
Reed	2	0	

TECH SHORTS

We will start the first issue of the Tech Shorts this semester by wishing our new and old readers success in their work at Armour for the coming school year of 1931-32.

Not having the experience of writing 57 consecutive issues of this column like our predecessor, Art Jens, '31, we will probably make a few mistakes, but will still try to keep up its high standards in presenting "in brief form the high lights of Armour athletics."

Practice Makes Perfect

Captain-elect Harvey C. Rossing of basketball fame kept in form this summer by practising at the Armour summer camp in the northern woods of Wisconsin. His eye is still better this year than last when he led the individual scoring with a total of 116 points, 46 baskets and 24 free throws.

Seven Veterans Return

The 1931-32 basketballers with seven men of last year's team returning, should have one of its best seasons in the history of Armour. Those who will be back are Captain Rossing, ex-captain Robin, Beemsterboer, Gustafson, Lind, V. Omicinski, and Moskowitz. One of the freshman stars, Ray Pflum, will also try out for the team. Last year's record of eight victories and five defeats was the best of any Tech cage team for the past seven years.

Our Grads in Sport

According to late sports records, Armour's famous trio, "Chief" Stehno, '31, King Simpson, '30, and George Jennings, '31, have been making a name for themselves in the world of sports. Ed Stehno, graduate of last June, played with the Dubuque, Iowa, team of the Mississippi Valley league, a tail-end club and won ten, while losing five games. King Simpson, the famous strike-

out king, won ten and lost three games, with the Logan Square semi-pro team!

George Jennings, the tennis star for the past six years, again won the National Public Parks' singles championship for the fourth consecutive time and the fifth doubles title this summer. He also played in the national championship won by Vines at Forest Hills, N. Y.

Applications for Managers

The announcements for applications for managers of the 1931-32 tennis, golf, swimming, boxing and track teams will be made in the near future.

Usher Passes

Usher passes for the University of Chicago's football team will again be distributed to Tech students. The first game will be next Saturday against Hillsdale and Cornell colleges.

Interclass Baseball

The interclass baseball championship will probably be held the second week in October. Last year's champs, class of '34, will be out gunning again for the second title.

Fall Tennis Tournament

All men wishing to enter Tech's annual fall tennis tournament should sign up on the notice on the bulletin board which will be posted this week.

New Captains

The captains of their respective sports for the coming year are H. C. Rossing, basketball; C. J. Jens, track; A. Weston, swimming; and W. Sandstrom, boxing. Captains have not yet been elected for baseball, tennis, or golf.

H. P. R.

Fall Tennis To Get Early Start

As soon as the courts are in shape after three months of idleness, the fall tennis tournament will start under the direction of Professor W. W. Colvert, the tennis coach. The courts are being conditioned in preparation for a season of hard use, and all students are urged to make use of the privilege.

Owing to the inclement weather and delays experienced from other causes, the spring tournament was not finished although playing proceeded into the semi-finals.

The tournament is a means of uncovering new material for the varsity tennis team, and players who show promise of developing into first class condition are eagerly looked for.

Howard S. Hendricks, F.P.E. '32, won the championship of the school in the tennis tournament held in the fall of 1930. He defeated Graham in a hard fought match, 7-5, 6-4, 6-3.

Notice of the tournament will be posted on the bulletin board for entrants to sign, and freshmen especially are urged to sign up immediately, as an early start is imperative.



THE BOULEVARD CAFETERIA
31st Street and Mich. Ave.
Dining and Dancing from 3 P. M. to Midnight
No Cover Charge

... always ready to serve
a dinner
a sandwich
or just a bite

delicious home cooking
reasonable prices
quality and service

THE ARMOUR TECH CAFETERIA

Conveniently Located at the North End of Ogden Field