



## GIVE STATISTICS ON ENROLLMENT FOR THIS TERM

### 68 Students Drop Out During Past Semester

#### TOTAL NOW 787 MEN

Statistics from the Office of the Deans give the number of men enrolled in each class as follows:

|            |     |
|------------|-----|
| Seniors    | 167 |
| Juniors    | 185 |
| Sophomores | 204 |
| Freshmen   | 230 |
| Special    | 1   |

Total ..... 787

This is seven more than were enrolled in the Institute at this time last year, but sixty-eight less than the number enrolled in September. The number of men who dropped out during the past semester by classes is:

|            |    |
|------------|----|
| Seniors    | 8  |
| Juniors    | 5  |
| Sophomores | 28 |
| Freshmen   | 26 |
| Total      | 68 |

Of the sixty-eight men who dropped out, thirty-seven were requested to withdraw. Fifty-six were placed on probation. Being placed on probation does not necessarily mean that a student will finally be dropped or that his chances of regaining good standing are slim. On the contrary, statistics show that a man has every chance of making good. Last year, of the thirty-nine men placed on probation, only ten failed to make the grade, four were retained on probation and the remaining twenty-five were reinstated in good standing. A conscientious effort of the man on probation is all that is needed to enable him to redeem himself.

## Noted Professor at A. C. S. Meeting

The Chicago section of the American Chemical Society will hold its regular meeting on Friday, February 21, at the City Club of Chicago.

The feature for this meeting will be a talk on "Gas Electrodes" by Professor Louis Kahlenberg of the University of Wisconsin. Prof. Kahlenberg at this time celebrates his sixtieth birthday anniversary and the thirtieth year of his elevation to the rank of professor of chemistry at Wisconsin.

He is widely known for his texts, numerous scientific articles and ability as a teacher and executive. Many honors have come to him, among which are the associate editorships of the "Journal of Physical Chemistry" and "Journal de Chemie Physique," vice-presidencies of the A. A. S. and the American Electrochemical Society, and presidency of the Wisconsin Academy of Science for three consecutive years.

Of Prof. Kahlenberg's numerous researches, one of his best known is one that is very recent, namely that on gas electrodes. According to reports, he has promised to present some of the general concepts of electrochemistry as illustrated by gas electrodes.

This lecture and many interesting group meetings should be of great interest to the students, especially chemicals.

## Edstrand Elected Chi Ep's President

Chi Epsilon, honorary civil engineering fraternity, held an election of officers on Tuesday, Feb. 11, with the following results:

- Pres., J. P. Edstrand.
- Vice-Pres., J. W. Hurley.
- Sec'y., L. H. Fischman.
- Treas., R. A. West.

## Du Pont, Union Carbon Men Talk to Job Seekers

The Union Carbide and Carbon Corporation interviewed several senior chemical and mechanicals with views of possible employment. Any applications for positions must be in their hands by March 1. The Union Carbide and Carbon Corporation consists of the National Carbide and Carbon Company, Linde Air Products, Prestolite and other subsidiaries. The plants of the corporation are located at Charleston, W. Va., Indianapolis, Kokomo, Buffalo and other principal cities in the United States.

On Tuesday, February 18, a representative from the Du Pont de Nemours Company will interview some Senior chemical for positions with his company. At the same time he will interview the Junior chemical for summer positions in their laboratories situated throughout the country.

## Alumnus Becomes Aircraft Expert

Edward E. Roberts, an alumnus of the civil department, is now working for the Ryan Aircraft Corporation at Ferguson, Missouri. He is now in complete charge of their analysis work.

Upon leaving Armour Roberts went to work for the Stinson School of Aviation which, however, was soon forced into bankruptcy. He then took employment with the Lenert Aircraft Company at Pentwater, Michigan. From that organization he went to his present location at the Ryan Corporation.

Roberts first position upon entering the employment of the Ryan Corporation was that of second "stress-man" and started his work by making a complete analysis of their P. and W. "Wasp-powered" Brougham airplane. Since working on that plane he has been in complete charge of all analysis work and has received an "A. T. C." or Approved Type Certificate from the Department of Commerce on the "Wasp-powered" Brougham, on a "B-7" seaplane, and on the Ryan's latest model, a little four-place cabin monoplane.

## Dr. Boddy Talks on "The Soul of Lincoln"

The annual February assembly which always comes between Lincoln's and Washington's birthday was held last Friday with Dr. William H. Boddy, D.D., pastor of the Third Presbyterian Church, as the speaker. Dr. Boddy, in his address on "Abraham Lincoln," delivered at the assembly, ably upheld his reputation as a noted orator. The orchestra supplied musical entertainment both before and after Dr. Boddy's speech.

Dean Palmer introduced Dr. Boddy to the assembly as his personal friend and said that for several years he has wanted to have Dr. Boddy speak at Armour, but was unable to arrange matters.

In his talk, Dr. Boddy showed himself to be a thorough student of Lincoln and also an ardent admirer of the great American backwoodsman. He dwelt first upon Lincoln's mental characteristics, pointing out his wonderfully keen insight, as shown in his debates with Douglas, and his unquenchable desire for knowledge.

Dr. Boddy next told of the emotional side of Lincoln's nature, describing the emancipator's grief as a boy at the death of his mother and of the suffering caused him in later years by the injuries and death of the soldiers in the war. Through the entire speech Dr. Boddy kept his listeners entertained with examples of Lincoln's wit and never ending good humor.

## Muehlberger, '20 Poison Expert

Dr. C. W. Muehlberger, '20, former assistant professor of toxicology at the University of Wisconsin and state toxicologist, has been chosen to fill the position of assistant director in the new Northwestern University bureau of criminal investigation.

Dr. Muehlberger was a charter member of the Omicron Chapter of Phi Lambda Upsilon, the honorary chemical fraternity. He received his B. S. in chemical engineering in 1920 and entered the University of Wisconsin in 1921. In 1923 he received his Ph. D. degree and immediately became state toxicologist and a member of the faculty.

Dr. Muehlberger has participated in the investigation of several murder cases which have attracted great interest.

As state toxicologist, he assisted district attorneys in all cases in which chemical analysis could be employed. He has done work in cases which necessitated the analysis of foods, in poison cases and in cases involving the identification of hair.

Dr. Muehlberger was research assistant in chemistry under the late Prof. Victor Senber and the late Dr. A. S. Loevenhart. He aided the conservation commission in studies of industrial and criminal pollution of streams, and the industrial commission in setting up regulations on dust, fumes and vapor hazards.

In his new position, in the crime detection laboratory, Dr. Muehlberger will be connected with Col. Goddard, ballistics expert, and other scientific men. He will become a member of the faculty of Northwestern University and will be one of 13 on the editorial staff of the American Journal of Police Service, a new magazine issued by the scientific crime detection laboratory.

## Oratorical Contest Open to Armour Men

The Sixth National Intercollegiate Oratorical Contest on the subject of "The Constitution," sponsored by the Better America Federation of California is now open to all under-graduates in any American college or university. A total of \$5,000 is offered in prizes to the national winners, the individual prizes varying from \$1,500 for first place down to \$400 each for fourth to seventh places, inclusive.

A choice of 15 subjects is given, all of which refer directly to the constitution in its various phases. Any student wishing to enter the contest must send his application for entrance to the contest director, Professor P. Caspar Harvey, Liberty, Missouri, before March 25, 1930. State contests are to begin on April 24, and the national final is to be held at Los Angeles on June 19.

The purpose of the contest is to increase interest and respect for the Constitution of the United States. In each of the five previous contests, the number of colleges represented by the contestants has surpassed the number in the year preceding. Last year the total number of schools represented was over 540 as compared with 300 in 1925, the first year of the contest.

## Change Status of Flask and Beaker

Flask and Beaker, chemical engineering society, has been raised to the status of a professional fraternity, according to advices received from the Deans' office. The organization, which was founded three years ago under the leadership of the late John Urban, '27, George Parkhurst, '27, and Clarence Seeley, '27, was formerly rated as a professional club by the institute.

## Notice To Architects

It being impossible to arrange a satisfactory system of distribution of the Armour Tech News at the Art Institute among the architectural students, the business staff has decided to mail the architects' copies to their homes, at the regular subscription rate of one dollar per semester. The papers will be in the mail before 6:00 o'clock on the Monday preceding the regular distribution day, and should be in the hands of the subscribers the afternoon of the following day.

## TECH CAGERS TO PLAY TWO GAMES ON DETROIT TRIP

The Armour Tech Cagers will leave tomorrow evening for an extended tour of the Detroit district. Michigan State Normal at Ypsilanti is scheduled for Thursday evening's game and is the first on the Tech card. On the following evening St. Mary's College at Orchard Lake, Mich., will battle the A. I. T. men.

Coach Kraft and his squad will camp in Detroit and direct their activities from there. Ypsilanti is about as far north of the automobile center as Orchard Lake is south.

The Armour-Ypsilanti clash is an annual affair. In last year's (Continued on page 4)

## Telegraph Engineer Explains New System

"Modern Telegraphy—A New Art With An Old Name" was the topic of the talk at the bi-weekly meeting of the Armour branch of the A. I. E. E. last Friday afternoon in the Physics lecture room. The speaker was John H. Bell, a telegraph engineer in the Bell Telephone Laboratories.

He traced the development of telegraphic systems from the obsolete single wire through the duplex and modern carrier wave methods. He explained that by means of the automatic typewriter, the carrier wave system, 84 communications could be carried on simultaneously over a single pair of wires.

The lecture was illustrated by means of slides, which showed the various hook-ups and apparatus in use.

The meeting was unusually well attended, over 55 students being present.

## English and Civil Offices Are Moved

Professors Phillips and Wells of the civil engineering department have moved their offices from the second floor of Mission. They are now located in Chapin Hall, second entrance, third floor, front, in the room formerly occupied by the Campus Club.

The English department has moved its offices from the third floor of the main building to the rooms in Chapin Hall formerly occupied by the alumni office and the Armour Engineer.

The alumni office is now located in the small room just north of and adjoining their former location.

The senior civils are now occupying the north section of the drafting rooms in Chapin Hall in which new drawing tables and chairs have been installed.

The classes in machine drawing and machine design, both elementary and advanced, have their drawing rooms in the three rooms south of the civil drafting room. These rooms are entered by either the second or third doors of Chapin Hall.

All classes will be dismissed Saturday, February 22nd, in honor of George Washington.

## Office Demands Program Cards

The Dean's Office urges all students to turn in a copy of their program, on a card furnished by the office, to be placed on file immediately. If your program is not entirely settled, make an effort to see the professors concerned as soon as possible and straighten matters out with them.

In case of an emergency at home when a student's parents desire to get in touch with him at once, it is practically impossible for the office to find him if his program is not on file. To guard against this or a similar happening, and to save the Deans' Office much trouble, it is necessary for them to be very strict about the fulfillment of this requirement.

## Scarab Pledges Are Announced

The Scarab Fraternity, professional architectural fraternity, held a pledging ceremony on Wednesday, Feb. 5. The present pledge group is announced as:

- Martin H. Braun, '31.
- Robert V. Goldsborough, '30.
- Alfred L. Mell, '31.
- James E. Peterson, '32.
- Alvin J. Wischer, '32.

Many alumni attended the pledging ceremonies which were concluded with a banquet at "Bon Vivant."

## Armour Seniors Take Civil Service Exam.

On Wednesday, February 19, many seniors of the chemical, civil, electrical and mechanical departments will be taking the United States Civil Service Examination at the Federal Building for junior engineer. The examination will consist of two parts as follows: first on general physics, mathematics and general engineering; second on optional subjects, the students having choice of aeronautics, agriculture, mining, naval architecture and marine engineering, and structural steel and concrete.

In at least one optional subject a rating of 60 is required for a competitor of nonpreference, 55 for a competitor with military preference and 50 for a competitor with disability preference. An average of 70 per cent must be attained by all competitors for the entire examination. Four hours in the forenoon will be allowed for the first part of the examination and three hours for each optional subject.

Clive R. Bishop, '25 is employed with the Public Service Company of Northern Illinois. He is editor-in-chief of the Public Service News which is published once each month.

Professor John C. Penn, Dean of Engineering, has been absent from school the past week because of a bad cold. He is expected to be back at work today.

## CALENDAR

Thursday, Feb. 20

Junior Class Meeting, Assembly Hall.  
Armour vs. Michigan State Normal at Ypsilanti.

Friday, Feb. 21

Armour at St. Mary's College at Orchard Lake, Mich.  
A. C. S. Meeting at City Club of Chicago.

Saturday, Feb. 22

Washington's Birthday — No School.  
Interclass Track Meet, Bartlett Gym, 3:00 p. m.

## SOPHOMORES HOLD ANNUAL DANCE AT CONGRESS HOTEL

### Music to Be Furnished by Kentucky Colonels

#### BIDS NOW ON SALE

The Sophomores have been busy making arrangements for their dance to be held in the Gold Room of the Congress Hotel, Friday evening, February 28. Although the Social Committee was slow in getting started they are making elaborate preparations for their big social function of the year. This is evidenced by the fact that music will be furnished by Brammel's Kentucky Colonels.

The committee is composed of the following students:

- J. E. Bryant, F.P.E., chairman;
- G. W. Schodde, F.P.E.; A. J. Jungels, M.E.; S. M. Lind, Ch.E.; H. S. Hendricks, F.P.E.

The bids for this were placed on sale yesterday, and the price of admission is \$2.50.

## Beaux-Arts Medal to Goldsborough

R. V. Goldsborough, '30, received a second medal in the 3rd class A project of the Beaux-Arts-Institute of design competition. The drawing consisted of the designing and rendering of an "office building" for a chemical concern in a small city. It was also to include a business club, a hotel and a bank. The drawings were judged on February 4 in New York.

All senior architects do these drawings but most of them receive only mentions. Medals are rarely awarded.

## Cycle Material Due February 21

At a meeting of the Armour Tech Athletic Association and the 1930 Cycle Staff, business vital to all organizations at Armour was discussed.

The cost of publishing the year book at Armour is partially paid for by student subscriptions, classes, clubs, fraternities, honorary fraternities, and engineering societies will be charged a definite amount depending on the number of pages allowed for the activity.

Robert N. Wilson, F. P. E. '31, business manager of the '30 Cycle, announces the following schedule of pages and prices to be devoted to the various organizations: Each class will be allowed six pages at a cost of \$75.00 per class. This will include cost of cuts of class officers, of class group pictures and of snapshots. Each social fraternity will be allowed four pages at a cost of \$35.00. This does not, however, include the cost of cuts or pins. If such cuts are not available a charge of \$10.00 will be charged for same. Honorary fraternities will be allowed two pages at a cost of \$20.00. Engineering societies will be allowed two pages at a cost of \$20.00. Clubs will be allowed one page at a cost of \$15.00.

All money must be paid to the (Continued on page 5)

## Junior Class to Meet Thursday

A meeting of the Junior Class, which will be held on Thursday, Feb. 20, in the assembly hall, has been announced by the class president, Fred Attwood. The purpose of the meeting is primarily to elect a junior marshal, but other class business will also be transacted.

# Armour Tech News

Student Publication of the  
ARMOUR INSTITUTE OF TECHNOLOGY  
CHICAGO, ILLINOIS

Published Weekly During the College Year  
SUBSCRIPTION RATES

\$2.00 Per Year Single Copies, 10 Cents Each

## THE STAFF

### MANAGING BOARD

Editor-in-Chief..... Fred Attwood, '31  
Managing Editors..... {Arthur Jens, '31  
                                  {Alvin Auerbach, '31  
Business Manager..... James Casey, '32  
Faculty Advisor..... Professor Walter Hendricks

### ADVISORY BOARD

Retiring Editor-in-Chief..... David T. Smith, '30  
Retiring Business Manager..... Morris O. Nelson, '30

### NEWS DEPARTMENT

News Editor..... W. H. Rudolf, '32  
Departmental Editors  
Fraternity..... J. R. Jackson, '32  
Architectural..... H. P. Richter, '32

### Reporters

J. E. Dirkers, '32 T. Leavitt, '33  
R. L. Ellis, '33 W. Winograd, '33

### SPORTS DEPARTMENT

Sports Editor (Acting)..... Arthur Jens, '31  
Assistants  
R. Mulroney, '33 C. Stempkowski, '32  
A. Weston, '32 E. J. Kennedy, '33

### FEATURE DEPARTMENT

Feature Editor..... P. E. Seidelman, '31  
Columnist..... K. A. Knittel, '30  
Inquiring Reporter..... O. Barnett, '33  
Cartoonist..... Dave Chapman, '32  
Reviews..... S. T. Garfinkle, '30

### MAKE-UP DEPARTMENT

Make-Up Editor..... M. J. Schinke, '32  
Assistants  
B. C. Scott, '33 J. Taylor, '32

### BUSINESS DEPARTMENT

Advertising Manager..... E. A. Scanlan, '32  
Assistants  
F. W. Spaulding, '31 C. A. Erickson, '32  
Circulation Manager..... A. F. Wilde, '31  
Assistants  
R. Dufour, '33 H. H. Hamlin, '31  
J. S. McCall, '32 J. E. Taylor, '32  
C. B. Sommers, '33 J. W. Juvinall, '33

Vol. V FEBRUARY 18, 1930 No. 2

## SCHOOL SUPPORT

For the first time since our inception, we are forced to admit that the Armour Tech News has not the co-operation of the student body. The News was greeted at Armour by the whole-hearted approval of both the students and the faculty; after a rising and vigorous life of three years it seems that the faculty and the minority of the student body alone have faith in us.

The paper was fostered by the first editor, John Hommes, in an effort to build up an interest in the school affairs, including both the social activities and the technical associations. It seemed to the original staff that if schools of half the size of Armour could edit a newspaper, and make a success of it, that it should be an easy matter for us to duplicate the feat. We have labored under this delusion until the present semester, but our present enrolled circulation has managed to shatter this ideal.

Yet it seems to be consistent with the other actions of the student body. The majority of the Armour athletic events are attended by a mere handful of rooters; the sole showing of any school spirit has manifested itself on the annual class "rush," when a mild majority of the competing classes turn out. However, the athletic teams are luckier than we are, for our very existence depends upon the co-operation of the men of the school, and without their aid it is both impossible and disheartening to publish a newspaper.

It is not for us to condemn the slothful attitude of the slackers, but merely a matter of realizing that all our work has been in vain. We have pursued another fatal "will-o-the-wisp," and it, too, has led us into the bog.

From the present indications we expect to be able to publish the paper for this semester; but it will not be as pleasant a job as it has been in the past. It is much easier for the staff to put in the amount of outside work required to publish this paper each week when they realize that they are backed by the majority of the school. Secondly, the finances of the paper are directly dependent upon the circulation, the advertising being closely correlated with it. Without the feeling of financial security, the editors must skimp and draw their budget as close as possible. It is expected that this is the last issue in which we will be able to have any illustrations or photographs of any nature. We realize that these items are of an unestimable value, for they attract attention as nothing but a blaring headline will; but to have these luxuries we would need a fifth as many subscriptions more than the maximum we expect to get.

Despite the gloomy prospectus facing the staff during the current semester, the greater spectre is that of the future years. We hope that we shall not see the day when the News is forced to close its books and sink into the background, but if the students continue their present attitude of indifference, that step is ultimately due to come. A. B. A.

"There are a multitude of human actions which have so many complicated circumstances, aspects, and situations, with regard to time and place, persons and things, that it is impossible for any one to pass a right judgment concerning them without entering into most of these circumstances." —Dr. I. Watts.

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

## FOR SUBSCRIBERS ONLY

My bonnie leaned over the gas tank,  
The height of its contents to see;  
She lighted a match to assist her—  
Oh, bring back my bonnie to me.  
—Phil J.

Free U. S. from dry yoke.—Chi. Daily News. Probably they mean the professor's.

## DEFINITION

Nothing—is a bladeless knife without a handle.

Big Shot—"Say, I could get a job with the city, if I wanted to."  
Half Shot—"My, what a sweeping statement."

"That's enough out of you!" said the surgeon as he stitched the patient together again.

## A CIVIL PROBABLY

Class '30 (to prospective employer): "You'll pay me what I'm worth?"  
Employment Manager: "I'll do better than that; I'll give you a small salary to start with." —Chuck.

Barber College Song—"My Face Is in Your Hands."

## THIS IS RATHER MATERIALISTIC

Mr. Wood met Mr. Stone. Said Mr. Wood, "Good morning, Mr. Stone. How are Mrs. Stone and all the little pebbles?" "Fine," said Mr. Stone. "A steam roller ran over them yesterday. How are Mrs. Wood and all the little splinters?" Just then a pretty babe passed by. Stone turned to Wood, Wood turned to Stone, and they both turned to rubber. —J. S. McC.

Hear about the fellow who was so tough he uses a blow torch for an atomizer.

When a fellow says that he just cleaned up in oil, he is probably a janitor in a gas station.

## TECH NEWS

What is the biggest value you can get for one dollar?

We suppose you saw that new sign in the library regarding noise, etc. If one's fountain pen squeaks, will he be tossed out?

## Not-Responsible for Following

A fellow was telling how he received his cuts and bruises. He had his new Ford out on the highway doing about 40, when a Buick went by him so fast that he thought he was standing still. Well, he got out to crank his car, and it ran over him. —R. S. F.

"My father was an animal trainer."  
"Know any tricks?"

We wish it always took as long to get rid of any dough as it did on registration day.  
What an excellent chance for a slow motion picture.

A rolling pin was the original night club.

"What's the trouble?" asked the excited woman as the street car stopped suddenly.  
"We just ran over a dog," said the motorman.  
"Was he on the track?"  
"No, lady, we chased him up an alley." —Joe

## Now Somebody Else Tell One

"So you remember way back to the Revolution, do you?"  
"Sure, the Revolution, General Washington and all the rest."  
"I suppose you were a witness of the fall of Rome?"  
"Well, no, I didn't exactly see it, but I do recollect hearing something drop." —Chester.

It won't be long before colleges will require as an entrance credit, the ability to punt fifty yards.

First: "Absolutely, I'm not the least bit superstitious."  
Last: "I'm glad to hear it; lend me thirteen dollars, will you?"

## BUM ENGLISH

"Say," one neighbor asked another excitedly, "do you know a fellow down your way with one leg named Oliver?"  
"I'm not sure," returned the other doubtfully, "what's the name of the other leg?" —R. G. K.

Each year the number of traveling salesmen is decreasing. Who says the world isn't getting better?

"I take a cold shower every morning."  
"Well, why brag about it?"  
"Gosh, that's why I take it." —E. G. P.

Wasted energy—a bald-headed man reading a hair-raising story.

Far be it from us to give free advertising but that show named after eggs fixed a certain way is one full of laughs (Maybe we will rate a free ticket).

We can be humorous only if you are serious and come across with your buck. —K. K.

## Mr. James Stratton Thompson

(A Biographical Sketch)  
BY P. EMIL SEIDELMAN

James S. Thompson, instructor of Physics, was born in Bedford, Iowa on November 13, 1896. He graduated from the grade and high schools at Bedford and entered the University of Chicago in 1917.

In the fall of 1918 he entered the Coast Artillery Officers' Training School, at Fortress Monroe, Va., where he finished the course in heavy artillery. However the armistice had been signed before the class could complete the entire course, so in December of 1918 Mr. Thompson was granted a commission as second lieutenant in the officers reserve corps. He then returned to the University of Chicago, where he majored in physics and mathematics, receiving his Sc. B. degree in 1922.

Mr. Thompson has been doing graduate work under A. J. Dempster at intervals since his graduation. He has also been laboratory assistant at the University of Chicago and reader for Dean Gale of the Physics Department. In the fall of 1927 Mr. Thompson came to Armour as an instructor in Physics.

In 1926 he married Miss Mildred Voltaire of Chicago. They now have one son, James S. Jr., who is two years old.

Mr. Thompson has worked on various research problems at the University, such as the production of active nitrogen, Beta-ray Spectra, and on the absorption of positive ions in gases. An account of this latter work was recently published in the "Physical Review," and was presented at the meeting of the American Physical Society. He has also written an article on

Radioactivity, which appeared in the Armour Engineer some time ago.

Mr. Thompson is now physicist for the Chicago Radium Institute, having charge of the radium and the preparation of radium treatments. He is a member of the American Physical Society, also Sigma Alpha Epsilon, and Sigma Xi Fraternities.

The collisions of the ion is closely allied to the bouncing of the tennis ball, so it is only natural that this should be his favorite sport. Then, billiards is also in harmony with his study of the angles of incidence and refraction. He confided, however, that in his opinion the positive ions were usually kept under better control than those little red and white balls on the table. To climax his outside interests Mr. Thompson is a keen collector of books.

## COMPLEX

Most "hard-boiled" policemen have an inferiority complex, said Prof. A. G. Barry, of the department of sociology, Extension division, U. of Wisconsin, to the convention of the American Sociological association in Washington, D. C., during vacation.

He prophesied that the big copper who growls, "What d'ye think you're doin'" will be replaced by a scientific and sympathetic gentleman. Inferiority complex, he said, makes the policemen vicious when they see a law violator.

"The arresting officer will be intelligent enough to recognize the different causes of violation," he said, "and apply the proper treatment in each case."

His ideal police department would consist of specialists on finger prints, forgeries, bullets, documents, photographs, and chemical analysis.

## Inquiring Reporter

What is your opinion of the new arrangements in the Library?

F. O. Zimmerman, '30, E.E.—Fine if it works, but it won't.

H. Marshall, '33, F.P.E.—There is more room to study now.

H. H. Slavitt, '32, Arch.—The room may have some aspect of being a library now, for I'm sure the noise will be practically done away with. The students who come to the library to study and concentrate (?) will especially be thankful.

E. J. Schofield, '33, Ch. E.—It is much easier to find a place to sit and gives one a better chance to study.

V. M. Kerrigan, '33, E.E.—The new arrangements enable one to utilize time in study that was wasted previously.

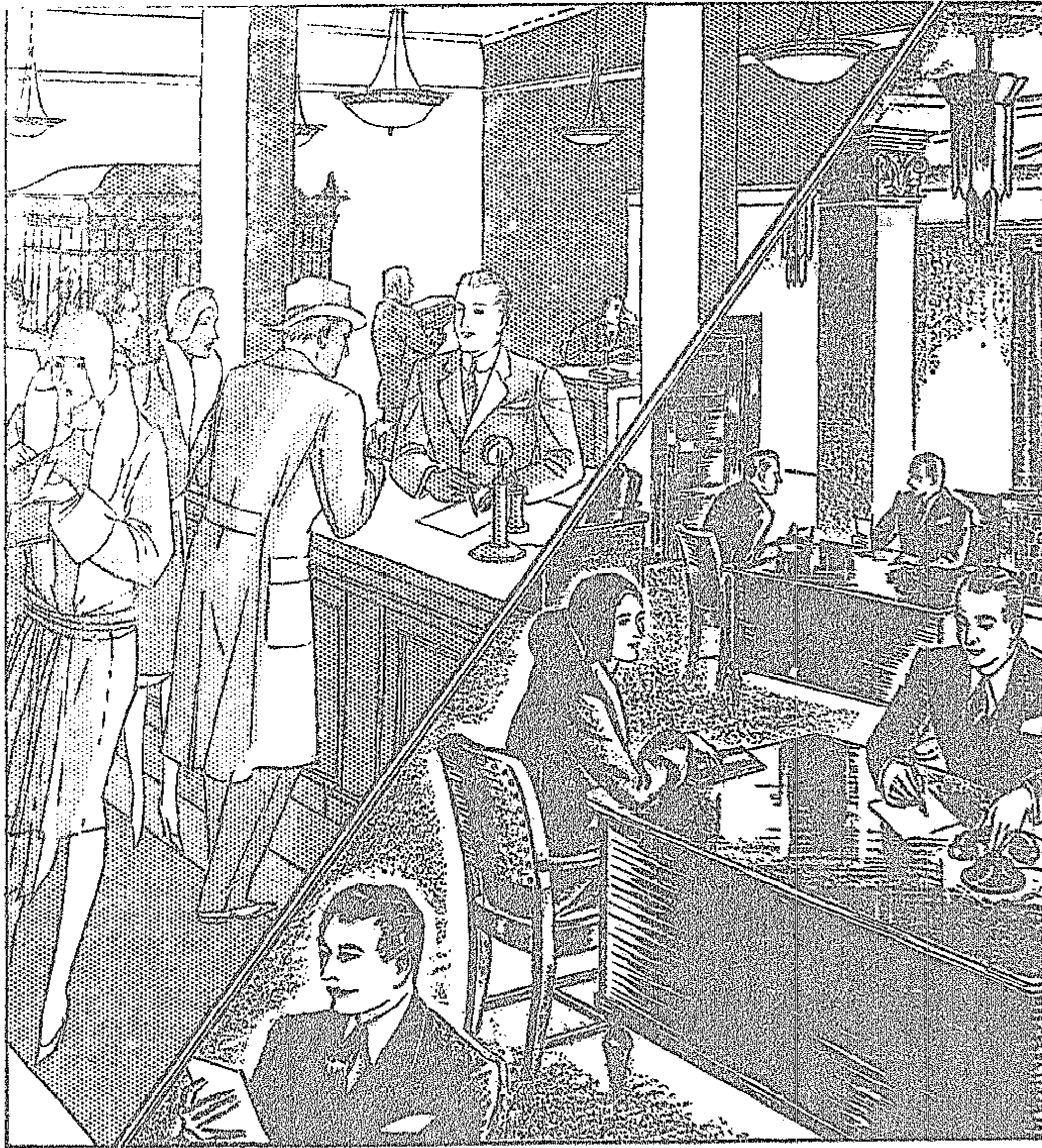
C. S. Morris, '30, Ch. E.—While it gives more opportunity to study, quietly and privately, the new arrangement does not seem to accommodate so many students as formerly.

E. E. Paschke, '31, E.E.—I think the new regulations are wonderful. The students can concentrate more and make better use of their time.

Avron Simon, '32, Arch.—Being an architect, I rarely use the library for study. From an artistic standpoint the room now is pleasantly presented and suggests a room of study.

## Professor Colvert Married January 31

Professor W. W. Colvert, instructor in the physics department, was married January 31, 1930, to Miss Lila Bannen. Professor Colvert tried to keep the news from the rest of the faculty until after his marriage, but was not successful.



## Removing mental barriers

In the Bell Telephone System men are constantly studying new ways to make the customer's dealings with the company easy and pleasant. The new "counterless" idea, now being introduced in the telephone company's business offices, is a case in point.  
Here the customer is placed at once on a friendly personal basis with the company

representative. He is invited to sit down comfortably and discuss his business. Certainly more satisfactory than standing at a counter.

This single instance represents a point of view which telephone men think is important. Telephone service calls for engineering skill and more—it needs human understanding.

## BELL SYSTEM

A nation-wide system of inter-connecting telephones



"OUR PIONEERING WORK HAS JUST BEGUN"

REVIEWS

Fantastic Tales

In this day, much of the contemporary literature is easily classified in the prosaic novel or the sensational thriller.

These three, Lord Dunsany, James Stephens, and Lawrence Houseman, are the spell-binders. They have in common the art of fashioning a tale most fantastic, improbable, and captivating to those who can fall under their spell.

Lord Dunsany has a mighty list of books; the best are undoubtedly "The Charwoman's Shadow," "The King of Elfland's Daughter," and the "Chronicles of Dom Rodriguez."

James Stephens is of a different sort. His most outstanding work is "The Crock of Gold." This is also filled with odd creations and a most improbable tale, but differs in that, unlike the other two men, the author occasionally digresses to explain the allegorical meaning behind his writing.

Lawrence Houseman is on both sides of the fence; he writes pure fairy tales that I hesitate to recommend to college men, and yet his "Ironical Tales" are well worth the reading, these tales being deep, allegorical, and most bitterly ironical.

Two other men can be mentioned here, James Stevens and Percy Mackaye. They are exaggerators of the first water, and any book by them will contain new wonders for you to marvel at and try to conceive.

A. B. A.

New Containers for Foods Being Perfected

American Can Co. is reported to be aiding Eastman Kodak in the development of an entirely new type of container for food products which may largely displace glass and metal.

ALUMNUS DIES

John C. Hoehn, Ch. E. '12, died November 26, 1929 at the Edward Hines, Jr., Hospital from a gastric hemorrhage and chronic nephritis caused by exposure in the World War in France.

Thrill Given By Front Drive

There is no need to worry about the high cost of smash-ups in front-driven cars. The subject has been investigated by practical test. According to a report made by Ernest Wooler recently at a Cleveland Section meeting of the Society of Automotive Engineers, a front-end smash-up resulted from driving a front-drive car into a brick post.

Mr. Wooler reported that he had driven a front-drive car about 2,000 miles and that other engineers of the Timken Roller Bearing Co. had run the total mileage up to about 6,000 during the preceding two months, to gain experience with the construction and the bearing problems.

No trouble was experienced from tire wear, wheel wobble, shimmy or other bad results of questionable features of design. No skidding was observed until heavy snow came on top of icy roads.

Alumnus Author of Prize Winner Book

Harry Stephen Keeler, a former student at Armour, and the author of "Sing Sing Nights," "The Spectacles of Dr. Cagliastro," and several other collections of mystery stories, recently published "The Amazing Web," a Chicago murder mystery. This story is the winner of the new Dutton Mystery Prize.

Plan to Install Radios in New York Schools

Rather startling is the idea advanced by Raymond S. Jewett, president of The Associated School Boards and Trustees of the State of New York, that schools be equipped with radios in each classroom and that the state educational departments broadcast instruction by specialists in various subjects.

"It would be perfectly feasible," says Mr. Jewett, "for the Education Department to prepare and broadcast programs during the whole school session each day which would enable many schools materially to reduce their instructional expense and give the smaller schools many advantages in the way of a varied program which they are now unable to have on account of the expense."

There seems no reason, with radio and the talking motion picture, why we should not centralize some of our school instructional service so that the best teachers in each line may multiply their effectiveness, and each community benefit by this expert instruction, much as our modern chain stores benefit by centralized accounting, purchasing, etc., administered by high-calibre men.

Cycle Material Due February 21

(Continued from page 1) Cycle by February 21, 1930. If this is not done the organization's pages will be withheld from the book.

All copy must be in the hands of the staff by February 21, 1930. This is the positive dead line according to P. E. Heath, editor-in-chief of the year book.

Not only the birds are seeking warmth during the cold, but a big, yellow and white dog sought protection in front of the main desk in Watson library today. While busy students rushed around him trying to get books from the desk, the dog slept. When a stray foot came too near his ear he merely raised his head and looked at the intruder with a sleepy expression of disgust.

THEATRE REVIEWS

ANIMAL CRACKERS

Grand Opera House

The four Marx brothers, comedians extraordinary, have been sending their audiences into spasms of laughter in their newest and funniest play "Animal Crackers."

To those who may have been slightly disappointed at the "Four Coccoanuts," the play is a revelation; the quality of the humor being excellent.

Their talkie stunts being in the play puts no blemish on their originality. Humor of action as well as of word is readily seen in the direct opposite of Groucho, who never keeps his mouth shut, and Harpo, who never says a word. Groucho's parody on the nine act work of O'Neill is very interesting. Speaking his thoughts like the characters in "Strange Interlude" he extracts humor from what is originally serious.

The brothers are musical too, that is Zeppo and Harpo. Zeppo plays quite oddly while the other picks the strings of the harp very pleasantly between scenes. There are two acts and six scenes with a long list of musical numbers, none of which are popular as yet. There is some mighty fine dancing and a specialty chorus of sixteen, the singing being of no unusual nature. The finale of the second act represents the palace of Louis 57th in which Groucho and the ladies of the court make whoopee and history. Most of the humor is well placed in the book by Irving Kaufman, but it remains for the Marx brothers to deliver it.

S. T. G.

FRATERNITY NOTES

DELTA TAU DELTA

The Armour Chapter entertained the Chicago and Northwestern Chapters at a formal dance Saturday night, February 15, 1930. Almost the entire chapters attended.

Jimmy McAlear, M.E., is back. The Delts and their friends welcome him and hope that he will not get sick again.

Tough luck! J. Duncan, F.P.E. '33 and V. A. Sturm, Ch.E. '30, ran into a negro Thursday night and broke his (the negro's) leg.

SIGMA KAPPA DELTA

Appendicitis called Emory B. Ross, F.P.E. '30, to the Illinois Masonic Hospital for another holiday. The Sigma Kaps will run without a president for the next few weeks. Have a good time, boys! Don't sit up too late.

Sigma Kappa Delta recently pledged Harold Davis, M.E. '32, and Luke Casine, Jr., C.E. '33.

Washington's birthday, February 22, 1930, will be celebrated with a Pledge Dance.

TRIANGLE

Some more boys sick. E. A. Olsen, C.E. '30, spent his holidays with that sick feeling, but is back in school now.

KAPPA DELTA TAU

These men packed up and moved, but the old Armour drag would let them go no further than 3335 South Michigan, this house being their new quarters.

IT PAYS TO LOOK WELL WHITE SANITARY BARBER SHOP

N. E. CORNER 21ST & INDIANA AVE. BACON

Junior Juice to Be Taught This Summer

This summer, as has been the custom in the past, a course will be offered in junior electrical laboratory for ambitious electricals who wish to complete the junior electricity in eight weeks. Electricals who have the required pre-requisites, are eligible to sign up. Before anything can be definitely established, however, ten men are required to signify their intentions of taking the course. Ten is the minimum because one thousand dollars is the cost of running the class, and ten men at one hundred dollars apiece would make the course economically sound. More than ten would mean a decrease in the amount each student would have to pay, the amount being proportional to the number signing up.

Those proposing to take the course in summer school were referred to as ambitious electricals. There is a reason, for the class completes the whole year of junior electricity in eight weeks. This means performing an experiment, and presenting a preliminary and a final each day during the eight weeks. While it is a hard grind, there are many advantages to enrolling in a course of this nature. In the first place, the student's energy is concentrated on one subject, which tends to produce more interest in the subject and better grades; secondly, the continuity of the subject is preserved.

Four-Speed Transmission Advantages

Addressing a recent meeting of the Northwest Section of the Society of Automotive Engineers, Cornelius E. Tierney, of the Graham-Paige Motor Corp., explained the practical advantages of four-speed transmissions such as are used on some of the Graham cars. He compared two cars, one having four speeds, the other three.

He considered a 4,000-pound three-speed car equipped by its manufacturer with a 4.88:1 axle-ratio which was regarded as giving excellent performance with that ratio. At a car speed of 65 miles per hour the engine speed is 3,500 revolutions per minute, which is considerably faster than the speed at the peak of the horsepower curve. With a 3.69:1 ratio as used with four-speed transmission, the engine speed at 65 miles per hour is only 2,700 revolutions per minute and the peak of the horsepower curve has not then been reached, while the torque curve has dropped only a small amount.

An extensive Viking burial ground dating from the 5th or 6th Century A. D., has been discovered near Koenigsberg.

Advertisement for Ralph's Barber Shop, 117 East 35th St. Text: GET THAT GOOD HAIRCUT AT Ralph's Barber Shop 117 EAST 35TH ST.

THE BOULEVARD CAFETERIA

75 E. 31ST STREET NEAR MICHIGAN AVE.

IS KNOWN FOR QUALITY FOODS. MEALS 20c AND UP

...on the lot it's ACTION!



...in a cigarette it's TASTE!

"EASY TO SAY, hard to do." Easy to claim everything for a cigarette; not so easy to give the one thing that really counts: taste. Hard to do—but Chesterfield does it. Sparkling flavor, richer fragrance, the satisfying character that makes a cigarette—because, in every step, we aim at taste...

"TASTE above everything"



MILD... and yet THEY SATISFY

Chesterfield

FINE TURKISH and DOMESTIC tobaccos, not only BLENDED but CROSS-BLENDED

### ARMOUR QUINTET LOSES THRILLER WITH AUGUSTANA

#### Rossing Scores Eleven To Tie Visitors High Man

FINAL SCORE: 27-21

Armour had to be content with the short end of a 27-21 score in the basketball game played with Augustana at the 8th Armory, Friday afternoon, February 4. The game was characterized by plenty of action on the part of both teams. The last half was especially interesting, the score being very close at all times with Tech continually crowding the visitors.

The first half was slow at the start; neither team wishing to take the offensive. Augustana was first to score, getting a basket on a follow-up play. Two free throws were missed shortly after. Simpson opened the scoring for Tech but a long shot put the visitors in the lead again. Fast team play enabled Rossing to sink a short shot.

#### Tech Attack Falls Short

Both teams missed numerous shots during the next few minutes of play. Miran missed a gift shot after which the visitors added another two points. Miran annexed a free throw after time out. Again the visitors retaliated by sinking a long shot. Rossing located the hoop and sank a pretty shot but the "Augies" came through with three quick baskets.

Ott made a free throw and Robin added two points, sinking one from the foul line. Ott and Robin both missed free throws as the half ended. Score: Armour 10, Augustana 14.

#### Many Baskets Missed

Augustana's right guard increased their total four points, getting two baskets in succession. Rutkowski made a long one and Simpson a short one. After time out, flashy team work enabled Rossing to get a short basket. Shortly after he took advantage of a foul and added another point.

Both teams were playing a fast breaking game but Augustana was able to increase its lead by lucky basket shooting. Two free throws by the visitors brought their total up to a final 27 points. Final score: Armour 21, Augustana 27.

"Harv" Rossing with five baskets and a single free toss and Chelstrom with the same contribution of points tied for individual high point honors with eleven points each.

| Armour 21       | B | F.T. | P |
|-----------------|---|------|---|
| Simpson, R.F.   | 2 | 0    | 1 |
| Tell, L.F.      | 0 | 0    | 0 |
| Ott, L.F.       | 0 | 1    | 0 |
| Rossing, C.     | 5 | 1    | 0 |
| Robin, C.       | 1 | 0    | 1 |
| Miran, R.G.     | 0 | 1    | 2 |
| Rutkowski, L.G. | 1 | 0    | 2 |
|                 | 9 | 3    | 6 |

| Augustana 27    | B  | F.T. | P |
|-----------------|----|------|---|
| Thoman, R.F.    | 0  | 0    | 1 |
| Hansen, L.F.    | 3  | 0    | 2 |
| Lindberg, L.F.  | 2  | 1    | 0 |
| Corry, C.       | 2  | 1    | 2 |
| Chelstrom, R.G. | 5  | 1    | 3 |
| Jones, L.G.     | 0  | 0    | 1 |
|                 | 12 | 3    | 9 |

### Jennings, '29, Out For Davis Cup Team

George Jennings, '29, was nominated to try out for the 1930 Davis Cup squad this spring. There is a total of 16 of the ranking players on the list, of which 6 will be chosen to represent the United States in the American zone competition against Canada, Mexico and Cuba. It is rumored that neither Tilden nor Hunter will compete this year.

The radio of the future will shut itself off when the telephone rings.



### Track Meet to Be Held on Feb. 22

The Third Annual Interclass Track Meet will be held next Saturday afternoon under the direction of Coach A. A. Stagg, Jr., at Bartlett Gymnasium, University of Chicago.

The events featured will probably include the 50-yd. dash, low and high hurdles, 440-yd. dash, 880-yd. run, one mile and two mile runs, the high jump and shot put.

The probable favorites of the meet will be the Juniors as they have practically all of last year's championship team back. However, the other classes will offer plenty of competition.

The Seniors are ably represented by Captain Don Paul, record-breaking shot putter, also high jumper; Sturm, star sprinter of last year's team; Kara, ex-captain of last year, and Dave Smith, distance man.

The Juniors will have their Interclass Champions of last year as a nucleus with several new men besides. Their team will probably be composed of Iverson, Timmermans, the Fox brothers, A. Jens and Frank James.

Although the Sophomores didn't make such a good showing in last year's meet, they will come back strong this year with many new men competing. They will be represented by Richter, two miler; Cordes, Johnson and Doubt, sprinters.

Although the Freshmen remain the unknown quantity, they will be given their chance to show their mettle in this, their first college competition. They have several stars from the Chicago and suburban high schools to rely upon.

### Tech Cagers To Detroit on Trip

(Continued from page 1)

combat the Tech quintet dropped the game by a 29-30 score.

A dance and social is usually held after the game at Michigan State. Here the boys are allowed to break some of the hard and fast training rules but for one evening only.

St. Mary's College hasn't been included in the Tech schedule in five years, but when last played this game was reputed to be the classic of the season. Friday evening's conflict should prove an interesting revival of the ancient rivalry between the two schools on the basketball court.

While it is known that Armour has improved steadily, only the coming battle will tell whether or not St. Mary's has also improved with time. This trip will about terminate the Armour cage season abroad while Michigan State is the last game on the home schedule.

Krafft will take ten men to Michigan with him tomorrow night beside Manager Faustich. The members of the team that will probably make this trip are Capt. Simpson, Robin, Rossing, Miran, Rowley, Rutkowski, Ott and Tell.

Coach Harold Drew, who piloted the University of Chattanooga to two straight Southern inter-collegiate athletic association titles, has signed a three-year contract as director of athletics.

### 28 MEN ANSWER CALL FOR SPRING BASEBALL TRYOUT

#### Pitchers, Catchers to Display Talent at Practice

#### SCHEDULE GIVEN

Last Monday the 1930 Armour baseball season was ushered in by a meeting of prospective pitchers and catchers in Room A. Twenty-eight men signed up for practice and it is probable that many more will turn out, inasmuch as the confusion attendant to registration prevented the appearance of a significant number.

Stress will be laid on the development of a strong pitching staff, which will be built up around King Simpson and Ed. Stehno. The former is captain and is in his senior year at Tech. He attained an enviable record last season when he pitched six winning games out of the seven that he started. Simpson is the outstanding pitcher of the last ten years of Armour baseball and his work has won the admiration of professional baseball scouts who see in him a coming Guy Bush or Burleigh Grimes.

Gent, Yount and Jennings will not appear in the 1930 line-up because of graduation and ineligibility. Hauser and Anderson are the only veteran outfielders. The infielders of last year are Mago, Reichle, Robin and Weldon. Link, one of last season's catchers is back this year, to assume the duties of first string catcher. Weldon will probably be shifted from the infield to assist in the catching department.

It is too early to make any predictions but it might be well to note that the men will have ample opportunity to show their wares for they shall go to bat against the strongest teams in the middle west. A complete list of the games to be played appears below. Some of these dates are tentative dates but indications are that all of these games will be played.

- April 10—Morton at Armour.
- April 14—Notre Dame at Notre Dame.
- April 17—De Kalb at Armour.
- April 23—"Y" College at Armour.
- April 26—Lake Forest at Lake Forest.
- May 2—Western State Normal at W. S. N.
- May 3—Michigan State Normal at Ypsilanti.
- May 9—Michigan State Normal at Armour.
- May 14—Lake Forest College at Armour.
- May 16—"Y" College at U. of C.
- May 19—University of Iowa at Armour.
- May 23—Coe College at Armour.
- May 30—University of Iowa at Iowa City.
- May 31—Coe College at Cedar Rapids.

### TECH SHORTS

#### A Free Trip At Last.

On Wednesday, Tech Basketeers will make their big trip of the year. The team will travel up to Michigan to engage Michigan State on Thursday. Friday will see the boys at Orchard Lake, Michigan, where St. Mary's College will be played.

Next week the current season will close when Michigan State plays Tech on our home floor. The squad will certainly welcome the final game. They have lived basketball since early in November when Coach Krafft issued the initial call.

To date Armour has won five games and lost seven. The season record last year was five victories against eleven defeats.

#### Who Will It Be?

It is a matter of four days now until the various class teams get together for the annual track fracas at the University of Chicago. Coach Lonnie Stagg, Jr., was forced to change the date to February 22, because of several confictions with the University sport calendar.

We understand that the short distance races will not be included in the meet. The Chicago basketball team plays a home game on that night, causing the north and south stands to be erected. With these stands in place it is practically impossible to lay the sprint lanes.

In this meet last year the class of '31 upset the dope when they walked away with top honors. Upsets are due to occur again this year, although there does not seem to be any outstanding class team.

#### Cubs Go To Catalina, Tech Goes To Gym.

A call was made for baseball men on the opening day of school. Nearly thirty fellows came out to listen to baseball Coach W. C. Krafft make his opening plea of an early start with proper observance of training rules. From these early indications it seems that there will be a lack of southpaw hurlers.

The Armour advance Spring training squad has already begun operations in the gym. Daily warm-up sessions are held for pitchers and catchers. If you have ambitions along this line it might be well to get going now.

#### George Again

We write that George Jennings is back again in school. It seems that George has yet to take a course in hydromechanics. If Jennings could hit the class work as well as he hit the tennis ball he would have been graduated from Tech quite some time ago. Good luck, George.

Jennings is at present employed with the Public Service Company of

### New Rifle Range Is Ready for Practice

On Wednesday, February 5th, eight men from the Armour Tech Rifle Club assembled on the site of the new rifle range and put it in condition for rifle practice. The range is located in the basement of the Chapin Hall, second door south. It was equipped with proper lighting facilities, two tables for prone shooting, a backstop for prone and standing shots and a celotex wall to lessen the noise. The windows facing Federal Street have been washed, permitting light to enter the range. Ventilation is taken care of by opening the east and west windows.

The range will be opened this week, but no real shooting will be done until the first meeting of the club will be called, which will be sometime next week.

Now that the club has possession of three rifles and a nearby range the membership is expected to increase. As soon as arrangements can be made those interested in learning to shoot will have an opportunity to do so when the classes in marksmanship are resumed, continuing throughout the semester, meeting one hour each week, under the direction of H. Stier, president of the club, and S. Fatla, captain of the rifle team.

Northern Illinois. He happens to be captain of the Company basketball team which has won the Industrial League Championship for this season. George also is a member of the Y. M. C. A. team which is to play for National Championship at Joliet early next month.

The other day Professor Finnegan was illustrating with slides some ancient and obsolete valves. R. R. Eddy, brilliant musician, discovered a 16-pound shot suspended over the valve. Immediately his curiosity was aroused for he questioned Professor Finnegan as to the function of athletic apparatus on such an article as a common valve. The reply was as follows, "The shot

### Armour Boxers Lose Six Bouts

#### So. Chicago "Y" Scores Decisive Victory

650 fans watched Armour's boxing team succumb to the South Chicago Y. M. C. A. at South Chicago last Saturday.

All six of Armour's fights were lost. Four of the six battles were dropped by very close decisions, while the other two were a bit more impressive.

Armour will have an opportunity to avenge this defeat on February 25, when it meets the same staff of boxers at our school gymnasium. Since the Armour pug only lacked a dozen good blows in the whole six-fight affair, they have hope that they will be able to reverse the outcome in the coming tilt. South Chicago is at present state Y. M. C. A. title holder.

Fights were as follows:  
Morowitz vs. Diblestick.  
Montesano vs. Lepinski.  
Schlossberg vs. Garza.  
Buehling vs. S. Hull.  
Ustryski vs. Pekar.  
Whitfield vs. Skiba.  
Taylor and Larkin were unmatched.

#### Big Brick Bats

Finding of a new building material at Pennsylvania State college will enable manufacturing bricks at an enormous increase in size. The new building material may be made into blocks 20 feet long, 5 feet wide, and 6 inches thick and is suitable for both structural and paving purposes said Professor Shaw of the ceramics department.

is merely a part of the conspiracy to prevent the valve from operating at an improper time." A. H. J.

#### Notice

Bill's No-Tip Barber Shop  
HAIRCUT 50c SHAVE 25c  
We Reserve Chairs by Appointment  
OPEN 9 A. M. TO 6 P. M.  
Labrador Bldg. Room 204 59 E. Adams  
Wabash 5877



UNITED MUSIC CORPORATION PRESENTS  
ERL BRAMMEL'S KENTUCKY  
COLONELS  
AT THE  
SOPHOMORE INFORMAL

SPIES BROS., INC.  
MANUFACTURING JEWELERS  
MAKERS OF 1930  
CLASS RINGS AND KEYS  
FOR  
ARMOUR INSTITUTE  
27 EAST MONROE ST. CHICAGO, ILL.

### ATTENTION—Students



ALL SIZES  
WE RENT  
FOR YOUR PROMS AND AFFAIRS  
THE SMARTEST

Tuxedos--Full Dress--  
and Cutaways

COMPLETE LINE OF FURNISHINGS  
FOR WELL DRESSED MEN

SPECIAL STUDENT RATES  
OPEN EVENINGS AND SUNDAY BY  
APPOINTMENT

NEW MODELS  
SAM GINGISS & SON  
6 EAST LAKE STREET ROOM 304  
THE COLLEGIATE HOUSE  
DEARBORN 8846

# SUBSCRIBE NOW

## FOR THIS SEMESTER—DON'T MISS AN ISSUE

### FILL OUT AND MAIL TODAY

RECEIVED OF

Mr. ....

Mailing Address .....

City .....

has paid \$2.00 for two semesters subscription to the Armour Tech News, 1930. By .....

Vol. 4— 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15

Vol. 5— 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15

\$2.00 for two semesters' subscription to the Armour Tech News 1930

By .....

Published Weekly During the School Year

Morris O. Nelson  
Business Manager