



## ALTER ELECTRICAL LABORATORY; PLAN EFFICIENT SYSTEM

Improved Lights Provide Better Working Conditions

### MORETON IN CHARGE

In order that the laboratory equipment may be used to the best advantage for and by the student, the electrical laboratory located on the second floor and at the south end of the Main Building, is being remodeled.

The rearrangement was initiated following the appointment of Professor D. P. Moreton as supervisor of all the electrical laboratories. Both Dr. Raymond and Mr. Allison are cooperating.

The moving of the machine shop from the electrical laboratory at the beginning of last month to a place near the boiler room, inaugurated the changes taking place in the electrical department. The carpenter shop, which was previously located in the Mission Building, is now near the mechanics shop, thus giving the maintenance department of the Institute a more central location.

Professor Moreton during the Christmas holidays, superintended the work in the electrical laboratory, which is now rapidly nearing completion. With the labor and materials at hand and in a most economical manner, the ceiling of the laboratory has been stripped of all the unnecessary wiring and pipes, the ceiling has been washed, twelve Goodrich lighting fixtures of 500-watt rating have been installed, arrangements have been made for obtaining at several points in the room both alternating and direct current, several exhibit cases have been fixed, and the laboratory benches have been arranged for best efficiency in work.

In addition to the above important improvements, the cases housing the electrical instruments and apparatus have been placed in a more symmetrical order. The final arrangement of case permits Mr. Falk, who is in direct charge of the distribution of apparatus, a better discharge of his duties.

The advantages of the installed improvements are many. Among the most important is the fact that the working plane of the student is now illuminated to an excellent degree by the new lights. When completed the room will lend maximum aid to the student, both in running experiments and in study.

Changes in the dynamo laboratory will mainly involve the installation of new lights and probable other improvements. We are informed that the work is a part of the electrical laboratories only and that the improvements have been carried on without outside help, the men employed being regular Institute employees.

## Rifle Club's Trophy Now on View in Hall

The beautiful silver cup, recently won by the Armour Tech Rifle Team, is now on display in the showcase near the Office of the Deans. The Rifle Team should be proud and justly commended for securing this pompous and imposing addition to Armour's trophies, won in the fields of competitive sport.

According to an announcement by A. H. Helmick, a postal meet is to be held with Lane Tech next Friday. Meanwhile, the members of the team are going through a rigid practice in preparation for this and the coming Chicago Tribune meet.

A meeting of the club is to be held sometime next week.

## RETIRING AND NEW EDITORS



Fred B. Attwood



Wilbur H. Rudolf

## Junior Informal Draws Big Crowd

The Junior class was host to over two hundred-twenty-five couples at their annual informal dance held Friday, January 16 at the Steuben Club with Jinx Bryants classy band entertaining.

The resulting gala time was due to active work on the part of the promoters and it was the opinion of everyone that the first social event of the college year was a success.

The twenty-fourth floor of the Steuben Club is scientifically built to eliminate distortion in sound. The orchestra pit is so situated that the music can be heard in all parts of the hall easily. The outcome was that Jinx Bryants' band, under this ideal condition provided music in Paul Whiteman style.

In keeping with the occasion were the fine programs which were obtained for the dance. Here a black kid cover was employed with the Armour Tech seal set upon it in gold letters.

The ballroom was large and beautifully decorated, as were the several associated lounges. Pictures of the dance were taken during the evening and will appear in the Cycle.

Chairman James J. Casey announced that the Junior class did not suffer a loss, as in former years, but that a complete checkup will show a profit. Thus the committee feels that the dance was a success financially as well as socially. The committee members were:

J. J. Casey, Chairman.  
J. E. Bryant  
A. J. Jungels  
G. W. Schodde.  
R. F. Waindle.

The invited guests of the evening were Professor and Mrs. H. T. Heald and Professor and Mrs. E. C. Grafton.

## Sophomores Guests at Alpha Chi Sigma Meet

Alpha Chi Sigma, professional chemical fraternity, held a smoker last Thursday evening, January 15, at the Sigma Kappa Delta Fraternity House.

The sophomore chemical engineers were invited as a body to fraternize with the chemicals of the upper classes at this meeting. Professor Tibbals and many alumni were present.

The evening began with various groups gathered around card tables participating in games of select nature. After due time was spent with the pasteboards, the evening was turned over to a game of Monte Carlo, in which green and yellow bills were flashed right and left without reserve.

After taking pictures of the group, and assimilating some food, the smoker broke up.

## Sophomores Hear Of Dance Plans

A report of the sophomore social committee was given at the class meeting held at 10:30 Monday in Science Hall. Elmer Sademan, president of the class, called the meeting to order, and after a short talk, turned the discussion over to the social chairman, Otto Staib.

The group was told of the progress of the social committee in their work on the Sophomore Dance. Although an orchestra has not yet been engaged, several orchestras have been heard, and the process of elimination begun.

No definite date for the dance has been set, but it was tentatively decided that it would be held sometime during February. The question of the cost of the bids came up, and the usual two dollars and a half was voted as the best price.

## J. O. Cavanagh Elected Head of Campus Club

A meeting was held by the Campus Club Thursday, January 15, in their rooms in Chapin Hall, to make preparations for the annual midyear banquet and to elect officers for the coming year. This banquet, held every year between semesters, took place in the Great Northern Hotel last year.

Several committees were appointed by the president to make arrangements for the place and exact date, and for the notification of alumni members. An appreciable amount of support is expected from the newly re-organized Campus Club Alumni Association which acts in an advisory capacity to the club. After a short discussion the election of officers was held. The new men who are to assume the duties are:

J. O. Cavanagh, President.  
N. C. Cannon, Vice-President.  
S. F. Winegar, Recording-Secretary.

The executive secretary and treasurer is to be appointed by an Institute committee on the recommendation of Professor Mangold, the faculty representative. These officers will then be formally installed at the banquet.

## Organizations Asked for Data by Office

The Office of the Deans' has mailed to the various social fraternities, honorary fraternities and clubs a letter requesting a list of all the members, pledges and the name of the faculty advisor. Included in this letter there was a reprint of the regulations of the administration with regard to the fraternities and clubs on the campus. This request was formerly made by a notice placed on the bulletin board while this year it was mailed.

## New Engineer To Be Out Tomorrow

A sketch of the Palmolive Building by Spencer Cone, architect '33, is to be the cover design for the Armour Engineer which is to be distributed tomorrow, Wednesday, January 21.

This issue will contain an article by Professor Daniel Roesch on Aircraft Engines. It is the first of two articles to be written; the second will appear in the March issue. These articles will incorporate results of original tests and experiments which Professor Roesch has performed in the Automotive Laboratory. They are written so that its matter will be of general interest to everyone as well as to those who are taking aircraft design.

The operation and the outstanding features of the Lindbergh Beacon together with comparisons with other beacons, are discussed at length by R. M. Krause. A comparison of its surface intensity to that of the sun is made among other interesting comparisons.

The highlights of the manufacture of acetylene gas for commercial use are described by Chester Stempkowski who writes in detail of the various processes which convert carbide into the gas that is extensively used for heat and illumination in isolated districts.

There is also an article by P. C. Peacock who describes his experiences as a Civil Engineer in Liberia, Africa.

He has incorporated many comments on the life of the natives which are used with good effect in his story.

## Illumination To Be Topic of A. I. E. E. Talk

The Armour Branch, of the A. I. E. E. will hold a meeting at 10:30, Monday morning, January 26, in Room D, Mission Building.

Mr. O. P. Cleaver, of the Westinghouse Lamp Co. will address the students on "Illumination." Mr. Cleaver has promised that his lecture will be accompanied with interesting slides and examples of modern lighting fixtures.

Chairman K. A. Knittel has prepared plans for the coming semester and wishes to announce them at this time. This is the last scheduled meeting, of the branch, for this semester and promises to be most interesting in character.

## S. E. Winston Elected Faculty Club Head

Faculty Club held its regular annual meeting on Thursday, Jan. 15. Aside from attending to regular business, the club elected officers for the coming year. Those elected are as follows:

S. E. Winston, President.  
H. T. Heald, Vice-President.  
E. E. Gill, Auditor.  
D. P. Moreton, Treasurer.  
S. F. Bibb, Secretary.

## CALENDAR

Wednesday, Jan. 21  
8:30—Engineer distributed in Main Lobby.

2:00—Alpha Chi Sigma meeting in the P. L. U. rooms.  
4:30—Tau Beta Pi meeting in the Tau Beta Pi rooms.

Thursday, Jan. 22  
8:00—Basketball: Armour vs. Wheaton at Wheaton.

Friday, Jan. 23  
7:30—Track: Chicago, Loyola, and Armour at Bartlett Gymnasium of the University of Chicago.  
7:45—American Chemical Society meeting at the City Club, 315 Plymouth Court.

Monday, Jan. 26  
5:00—Boxing: Chicago Armory Headquarters vs. Armour in the Armour Gym.

## TECH NEWS STAFF PASSES INTO HANDS OF JUNIORS; RUDOLF TO BE NEW EDITOR

J. J. Casey, M. J. Schinke, E. W. Carlton Other Members of Managing Board

### TAKE OVER DUTIES WITH THIS ISSUE

## Electricals Make Trip To Goodman Factory

The Junior electricals, together with Professor Moreton, made an inspection trip through the armature winding department of the Goodman Manufacturing Company, last Thursday, January 15. This organization, with main offices at 4834 South Halsted Street and covering an area of several city blocks, specializes in the manufacture of electric mining locomotives and machinery.

The men arrived at the plant at about 1:30 and were divided into four groups, each being provided with a guide. The coil winding department was visited first. Here the coils are wound usually by hand, since the coils for mining machinery must be accurate. After this the coils are taped and impregnated with a protective compound in an evacuated tank.

Commutator segments are placed on a form with the proper insulation, tightened, and baked, after

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## John Schommer Wins Prize for Big Fish

Professor John J. Schommer has recently been awarded first prize by the *Field and Stream*, sportsmen's magazine, for catching the largest wall-eyed pike in the United States during 1930. Professor Schommer landed the fish at Wildcat Lake, Wisconsin and the measurements of the fish are: length 34½ inches, weight 14 lbs., girth 8½ inches. Professor Schommer is proud of his catch and justly so, for the prize carries with it fifty dollars worth of sporting goods.

## Chi Eps Elect New Officers At Meeting

Chi Epsilon, Honorary Civil Fraternity, held a meeting in their rooms in Chapin Hall last Tuesday, January 13. The following officers were elected to hold office during the next semester.

R. H. Meagher, President.  
A. B. Auerbach, Vice-President.  
C. H. Miller, Secretary.  
L. H. Dicke, Treasurer.

## Press Club Begins Membership Drive

A concentrated drive for membership has been started by the Press Club. The drive will last about one month and will culminate with a big smoker to be given at the Sigma Kappa Delta House, February 26. According to R. G. Kellner '31, who is in charge of the arrangements, a speaker who is prominent in the field of literature will present a talk. The membership fee is fifty cents and will be used to defray the expenses of the smoker.

The Interfraternity Council held a meeting last Wednesday in the Tau Beta Pi rooms. C. Robin presided and called the meeting to order at two o'clock. Discussion centered itself about the recent basketball tournament which was won by Phi Pi Phi.

The fraternities were urged to send in their assessments for the basketball cup. The meeting adjourned at 2:30 o'clock.

In accordance with the tradition established by the previous staff, the management of the Armour Tech News passes with this issue from the seniors to the juniors. Wilbur H. Rudolf is the new editor-in-chief, assisted by Max J. Schinke, managing editor, and Edward W. Carlton, news editor. The business staff is to be headed by James J. Casey, business manager, and Harold Monger, advertising manager.

### Other Tentative Appointments

The other positions on the staff are tentatively filled, the qualifications of the men to warrant their retaining their positions. The feature editor is to be John R. Jackson, and working with him will be the departmental assistants. Fraternity news will be handled by Harold Bodinson, architectural news by E. C. Kubicek, art work by Dave Chapman, and the Slipstick will be run by Phil Jordan with George Bonvallet as associate conductor.

The reporters will work under O. T. Barnett, the assistant news editor, and the sport writers under H. P. Richter, sports editor, and Chester Stempkowski, the associate editor.

In the business staff, the advertising assistant will be Milton Collick, and the circulation manager, James McCall. A group of men will probably be needed in the circulation department, although it is planned to change the distribution system next semester under the compulsory subscription plan.

### Advisory Board Formed

The retiring managing board, consisting of Fred B. Attwood, retiring editor-in-chief, Arthur H. Jens, Alvin B. Auerbach, the retiring managing editors, and Frank Spalding, retiring business manager, will constitute the advisory board to the new staff. They will actively supervise the new men for the first few issues, and then serve solely in an advisory capacity.

### Hendricks Again Faculty Advisor

Professor Walter Hendricks will again serve as the faculty advisor for the News, a position that he has had since the paper was founded under his assistance. Under the new plan of subscriptions, the financial responsibilities will not bear upon him, but he will again keep a strict supervision on the literary quality of the paper.

## Vacancy in Program Of Upper-Classmen

The Friday 10:30 class on the programs of Sophomores, Juniors, and Seniors will be left vacant this coming semester. The office has scheduled no classes at this time in order to put a new plan into effect. In the future all meetings of the various societies will take place at this time if possible. In that way students will not be forced to miss out on their classwork.

In an event that some meeting or assembly must be held some other time during the week, the classes scheduled for that hour will automatically be made up at 10:30 on the following Friday. It is suggested, however, that except in unusual cases, all meetings be held on Fridays during this open hour.

The next issue of the Armour Tech News will contain a complete schedule of examinations.

According to the Institute calendar the examinations are to take place February 3-4.