

STUDENTS AMAZED AT DEMONSTRATION OF AUDIBLE LIGHT

Sounds ranging from the harsh resonant snore of a disturbed sleeper to the harmonious tones of a musical composition were obtained from a beam of light and amplified throughout the Assembly Hall last Thursday morning when Mr. J. B. Taylor, consulting engineer of the General Electric company and associated with the research laboratories at Schenectady, New York, presented his demonstration of "Audible Light" to the Armour student body.

When a flickering beam of light strikes a photo-electric tube, a feeble electric current is set up which when amplified may be utilized for a variety of purposes. The demonstration dealt entirely with the transformation of light into sound.

A match, when lit in the focus of the sensitive tube, produced a crackling sound reminiscent of "All Quiet on the Western Front" or the faulty operation of early "squawks". A light operated by a pygmy pocket-size generator and allowed to die out set forth a siren sound causing the Fire Protects to sit up and take notice.

D. C. Lamps Soundless

Since the electrical current was set up by the flickering of light, a lamp on direct current produces no sound. When the light on direct current is caused to flicker artificially by the use of a rotating disc or otherwise, a sound may be produced as desired.

Illustrating the extreme sensitivity of the cell, Mr. Taylor interrupted the beam of light with the imperceptible vibration of a tuning fork. The loud speaker immediately blared forth the announcement of its reception.

Mr. Taylor explained several of the practical applications of the "eye" tube as well as showing the more spectacular tricks. The feeble current set up in a photo-electric cell can be used in many ways other than sound and has many uses in modern science.

Moreton Secured Speaker

The demonstration was brought to Armour through the efforts of Professor D. P. Moreton of the electrical department. Mr. Taylor lectured last night before a meeting of the Chicago Section of the Illuminating Engineering Society.

Mr. Taylor was introduced to the students by Professor E. H. Freeman, head of the department of electrical engineering. The orchestra's brand of sound was heartily applauded when it rendered the "Trisgian" march by F. H. Losey and "The Song of Love" from Blossom Time by Sigmund Romberg.

New Department Is Established

(Continued from page 1)

peramentally, for their positions. And they may have stayed in the employ of those industries for some time before their unfitness became apparent. Close cooperation between the personnel or employment departments of industry and the placement department in the Institute will eliminate much of this waste.

Established on New Basis

But in order to be most effective in these functions, the personnel and placement department must be established on a different basis than it has been in the past. Many such bureaus have existed simply to find employment for those graduates who seek assistance, and the department's interest in the student has lapsed when employment is found. The personnel and placement department at Armour Institute will do a more thorough job. It will start to keep a record of each student on the day he enters college. To parallel the complete academic record kept now by the Dean's office, the personnel and placement department will keep as complete a personal record as it is possible to maintain.

On the strength of this record the department will recommend graduates for positions in engineering and industry, and it will keep in touch with them as they proceed. By carefully observing their progress at work, the department will have a constant critique of the educational methods employed at the Institute.

Detailed Records Kept

As approved by the Development Committee last week, plans for the personnel and placement department at Armour Institute centralize all of its functions under the management of one man, who will be the registrar. The registrar's office will assemble and assimilate the various records of each student; his entrance examinations, his grades in every course, his extra-curricula activities, and records of his personal characteristics. Here, too, will be kept note of his progress as an alumnus; reports on his work by his superiors, records of promotions, and advances in salary. The registrar and his assistants will communicate with employment departments of industry to keep these records complete, and to keep at hand a full list of the positions in industry which men at the Institute may be expected to fill upon graduation. By keeping these records, and by sending men out into industries, the department will become an important part of the mechanism of industrial relations.

L. O. Sinderson Talks at A. I. E. E. Meeting

"Automatic Elevators and their Control," was the subject of an interesting discussion given before the A. I. E. E. group last Friday by Mr. L. O. Sinderson, engineer of the local General Electric Company office.

Mr. Sinderson started his talk by saying that there are two common types of elevators, the geared, and the gearless. Of these two, the latter is much more modern and practical. Speed might be mentioned as one basis of contrast between the two. The geared machine can attain a speed as high as two hundred to three hundred feet per minute while the newer type of control makes possible a maximum speed of from six hundred to twelve hundred feet per minute.

The gearless elevator is controlled by a variable voltage adjustment by means of a special exciter generator, which is capable of delivering higher voltage when overload demands it. This method decreases the variation in speed caused by overload to approximately ten per cent, whereas in the geared machines a variation as great as twenty per cent could be expected. Speed regulation can be as close as 2 per cent by this method.

Leveling off for floor stops is controlled by a vacuum tube amplifier and "ear muffs" mounted directly on the elevator car so that the first slackening may come at three feet, one foot, six inches, then floor level. In case of any failing in the automatic control, the handle control may always be relied upon to stop the cage immediately at any point. Along with this cage switch is the mechanical safety device consisting of a gear which is moved into the T-rail at the side.

Mr. Sinderson then completed

Fraternity Notes

PHI KAPPA SIGMA

Saturday evening, March 19, witnessed another enjoyable Phi Kappa house dance.

The boys are all fighting for one of the first three places in the Round-Robin ping pong tournament now in progress here. The three high men will represent the house in a meet with Sigma Kappa Delta.

THETA XI

Alpha Gamma of Theta Xi announces the formal initiation of the following men on Saturday, March 19.

M. A. Collick, E.E., '34, K. M. Hanson, E.E., '35, C. H. Landis, C.E., '35, W. G. Scharringhausen, C.E., '34, C. T. Seaberg, Arch., '34, P. V. Smith, F. P. E., '35, L. C.

his talk by speaking of the various considerations necessary in the sale and installation of elevators. All in all, the discussion, beside being well given, was full of points novel and useful to the members of the group.

U. of I. Electrical Show

Mr. L. E. Mendel gave a short talk in regard to the Electrical Show to be held April first on the University of Illinois campus.

The exhibition will be novel and full of interest to all electrical students. Many features will be demonstrated including the photo-electric cell, sound picture machines, vacuum tubes, and the like.

Special trip arrangements have been made for those from the Chicago area. Complete details may be gained in the Dean's office.

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Willis, M.E., '35.

The annual Hard Times Party will be held on Saturday evening, April 9. Brother Dave Smith, '30, has joined the ranks of the married brothers. The lucky girl was Miss Ada Mueller and the date was March 8.

PHI PI PHI

Gamma Chapter announces the pledging of C. Chafin, C.E., '35.

Final plans have been made by Brothers Gregerson and Cameron for the formal dinner dance which will be March 19 at the St. Clair Hotel.

Many alumni have reserved places. The inter-chapter basket ball game between Gamma and Alpha Chapter will be played in the next week or two.

BETA PSI

The Alpha chapter of Beta Psi, located at the University of Illinois, is giving its annual Easter dance at the Steuben Club on Saturday evening, March 26. "Tweet" Hogan will officiate in the capacity of the "King of Joy." A record crowd is expected to attend.

DELTA TAU DELTA

We take pleasure in announcing the pledging of Hugh Bisbee, E.E., '35, Ellis Doane, F. P. E., '35, and Matt Sumner, Arch., '35.

The 23rd annual Delt Prom will be held at the Bal Taberin of the Sherman hotel, the night of April 1st.

The House received a letter from

Hamilton Rifle Club Sponsors Invitational

Two members of the Armour Tech Rifle Club were entered in the invitational meet of the Hamilton Club of Chicago, last Saturday. These men, A. H. Helmick and D. G. Wilson, are the only men of the Armour group who have been practicing with the telescopic sights used in this match. The telescopic sights are not required, but, at the distance of seventy-five feet, the iron sights are a distinct disadvantage.

Vern Sturm, '30. He is now living in Pittsburgh while working as a Chemical Engineer for the General Electrical Co.

Jim Duncan, '33, dropped in on us last Tuesday evening.

TRIANGLE

Monday was inspection day of the local chapter by the national council. Brother Beggs, vice president, represented the council in the inspection.

Plans are being formulated for the annual Founder's Day Banquet. This will probably be held in conjunction with the Chicago Alumni Association.

Besides the inspection Monday, we were treated to cigars by Brother Venema who lived up to the custom of passing out cigars to the chapter the same time one passes out the fraternity pin to one of the fairer sex. Congratulations Mayn.

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Professor Freud has rightfully bestowed the names Damon and Pythias upon two prank-playing junior chemicals whose offensive and defensive tactics in his classes have for two years broken up their formality. R. W. Moline was burdened with the name of heroic Damon and G. Jensen Jr. had to take what was left and accept Pythias as his misnomer.

Dr. Moline Altruistic?

Their friendship for one another is quite a striking one—please don't take me wrong. From their actions you'd be led to believe that they were playing a part in a true-to-life story of inseparable pals. Moline is a true hero. He'd give up his right arm for his pal Gus—if he had an extra one. Gus, who was thus nicknamed by Professor Hendricks and renicknamed Just, by his classmates, in turn wastes all of his affections on his Grecian friend. (Mr. Moline to you).

In order to be inconspicuous, as true lovers should be, they sit next

to each other in the back row of every classroom with their arms wrapped around one another, and in this position, they try to get an education. It is a beautiful sight when one rests the other's head upon his shoulder meanwhile stroking his hair to complete his comfort. It sounds foolish but it's true that they fill the bill when it comes down to sticking together. They're inseparable at any time of the day. Where one is you're sure to find the other.

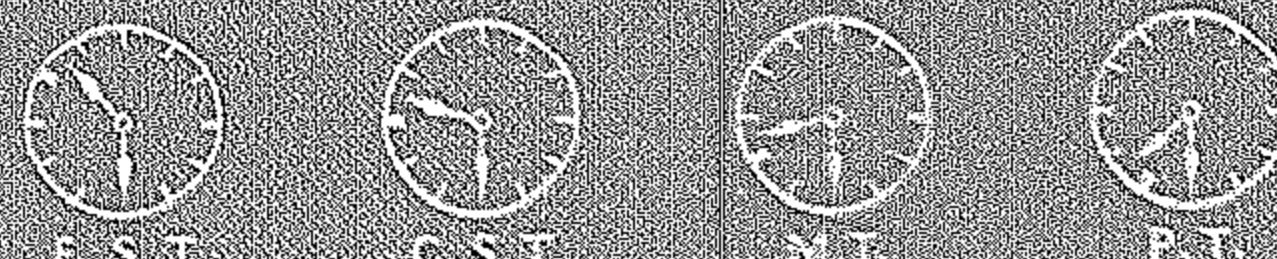
Take Themselves to Dance

To be separated from one another for only a few minutes cause them moments of extreme anguish. This fact can be readily attested to by many students. As a means of showing the old class spirit, they went to the recent junior dance—without girls. They didn't dance together, nor with the numerous girls offered by altruistic classmates, but sat on the sidelines in the old familiar classroom pose.

"Are they alive and happily enjoying life?" you ask. Don't pass it off by saying "Quien Sabe" but come see them perform in the flesh. General "lit" class in the Assembly Hall on Wednesday at 10:30 is the place. Come down. It will be a period of perfect entertainment. As an added attraction Professor Ambary will present a play and vocalize the parts of ten actors.

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