

PHOTOELECTRICAL CELLS DESCRIBED TO A. I. E. E. MEN

Mr. A. J. McMaster, research engineer for the G-M Laboratories, was the speaker at a meeting of the Armour Branch of the A. I. E. E. held last Thursday in Science Hall at 1:00 p. m.

Mr. McMaster, who is a graduate of the University of Illinois and whose occupation since graduation has been research work in connection with the photoelectric cell, spoke on the construction, characteristics, theory, and application of the photoelectric cell.

Although the phenomenon of photoelectricity has been known since 1887, when Hertz discovered it, the full importance of it has not been appreciated until recently. In fact, Mr. McMaster said, it was not until the movies had learned to talk that a market was created for the cells. Five years ago it was almost impossible for a layman to buy a photoelectric cell. Today, however, conditions have changed somewhat and these light-sensitive tubes are now being applied commercially for numerous purposes.

The photoelectric cell is used in television, talking motion pictures, lamps and stellar photometry, illumination control, burglar and fire alarms, measurement and control of smoke in boiler stacks, optical counters and a host of others.

In the cell construction, he told of the slowness of production and of the great part the alkali metal, potassium, played. Ten tubes a day is a large output at the present time. The cell characteristics were illustrated by the drawing of curves.

After a few copies of the G-M Laboratory bulletin concerning photoelectric cells had been distributed among the members and after President Dollenmaier had commented on the smoker of the night before, the meeting was adjourned.

Water Color Exhibit to be Held March 20

The Tenth International Exhibition of Water Colors, Drawings, Miniatures, and Pastels will be held at the Art Institute on Thursday, March 20.

A loan exhibition of paintings, drawings, and prints by Eugene Delacroix, and also one of modern glass and rugs will be shown at the opening reception.

The Truss Club is now located at 3311 South Michigan Boulevard.

FRATERNITY NOTES

PHI KAPPA SIGMA

A roundup of Armour Alumni is being planned for some time in April in the form of a Smoker and Card Party at the house. If the affair passes off as nicely as did the last Alumni Smoker, its success is more than assured.

Mel Sodal, E. E. '32, has returned to the delightful life of a student after a semester's sojourn at the Western Electric plant.

With the arrival of sundry pieces of new furniture, rugs, etc., next week the new Phi Kap domicile will be completely equipped and furnished from basement to attic. It has long been the chapter's aim to outfit every room in the house for the better accommodation of out of town brothers who drop in occasionally, and with the addition of the forthcoming articles, everything will be shipshape.

DELTA TAU DELTA

Tuesday, March 18, starts the pledges on that period which is not quickly forgotten. The following pledges will go through probation week: M. R. Beal, J. R. Duncan, R. H. Frye, G. G. Gebhardt, F. M. Giblin, E. J. Griffin, W. H. Larson, T. D. Luckett, H. D. Marshall, D. W. Pearson, H. A. Pearson, R. A. Peterson, R. R. Tufts, and Spencer Cone.

The period will end with informal initiation Saturday night, then formal initiation Sunday afternoon, March 23.

SIGMA KAPPA DELTA

There will be a Radio Dance at the House on the evening of March 22.

BETA PSI

Everyone enjoyed most thoroughly the Radio Dance held at the House Saturday, March 15.

THETA XI

The annual "Hard Times" Party was held last Saturday night at the Chapter House. The music was furnished by the "Four Horsemen" of Northwestern fame.

There were about eighty couples that attended, including many alumni and members from other chapters.

KAPPA DELTA TAU

The Indiana Sand Dunes were the scene of the initiation of the following pledges Saturday, March 15: William Holland, Edmund Field, Phil Rosenfeld, Sidney Crane, Joe Tuchinsky, Martin Altschuler, Irving Siegel, and Jack Robbe.

Country-Wide Exhibit of Architects' Work

Beginning March 14 and running for about one week, there will be an exhibition of drawings by the Association of Collegiate Schools of Architecture in the Burnham Library of the Art Institute. The important schools of architecture in the country, including Armour are members of this association.

The drawings that will be displayed will consist of student work of all classes, sketch problems, projects, etc., sent by the various schools as examples of the work. This traveling exhibition is a yearly event, being sent for about a period of one week to each of the schools represented.

Trackmen to Run Twice This Week

The Tech track team will compete in two track meets this week. Both are to be held at Bartlett Gymnasium, University of Chicago. The first is to be held at 3:00 p. m. this afternoon with Crane Junior College; the other, a triangular meet with Sears-Roebuck Y. M. C. A. and Chicago Normal College will be held at 3:00 p. m. Saturday afternoon.

Armour has a well balanced team this year and has come through the indoor season undefeated thus far. The two meets this week, however, will put the team to some severe tests.

Armour defeated Chicago Normal last year in a dual meet by 45 to 32. Crane was met only once last year in the quadrangular meet held at Chicago Normal College. Crane came through in first place, while Armour had to be content with

Make Last Call for Baseball Candidates

The last call for infield and outfield prospects for the 1930 baseball team is made today. All who expect to try out for the squad this season must report at once if they expect any consideration later. The team will go into training in the gymnasium at once. This ruling is essential because of the inevitable loss of time that occurs when men report after practice has begun.

The four-day practice has been extended to five days in anticipation of the outdoor work which will get under way in the near future. At present the field is not in shape for such work, the backstop netting has been broken in several places. The field is in poor condition due to the action of the snow and ice, but will be taken care of by raking and rolling.

The men who report for practice should bring a glove, a sweat shirt and tennis shoes. When outdoor work begins spike shoes will be required.

R. C. Linnell, '29, is working as an assistant chemist with the Illinois Paint Works Company. He has been attending Professor Freeman's evening school class of Engineering Economics at the W. S. E. rooms.

The 1930 Memorial Endowment Fund drive of the University of Syracuse ended recently with 87 per cent of the graduating class having subscribed and promised a \$5,500 gift annually.

third. Sears-Roebuck has a very formidable team this year and should offer much competition in Saturday's meet.

Frosh Archs Initiated; Deans Attend Banquet

(Continued from page 1)

tion with and his great admiration for Louis Sullivan, one of the former leaders in architecture in the city. He spoke of his great genius and of his unfortunate circumstances at the time of his death. It devolved on his friends and admirers to take care of his last rites. Thus he emphasized his point that sometimes you only break even.

He strove to emphasize the points that you only get out of a thing what you put into it. He advocated simplicity; the less complicated the idea was made, the better it would get across.

Mr. Rubori quoted personal experiences to prove his point that when the students went out into the practical business world they should know the men with whom they are dealing. He drove home the idea that was the basic principle of Lincoln's life. "If you know you're right; go straight ahead." Mr. Rubori's talk was received with the utmost of appreciation.

Dean Palmer followed with a short talk on the value of friendship among men and the important part it played. Dean Penn spoke on the extraordinary comradeship among the architects. He spoke of the feeling of cooperation that was springing up between the architects and engineers.

Dodson, Novy and Ransell gave several vocal selections and then had to give an encore. The prize which Armour won for having the

best architectural exhibit at the recent exhibition held by the Architectural Sketch Club of Chicago was presented. It was an etching, "A Rainy Night in Chicago," by Peschereh. It was a representation of the Palmolive Building. The exhibition, at which Armour placed first, will next be shown in Fort Wayne, Ind.

After the speeches, everyone went up to the drafting room where an orchestra consisting of Walter Anderson, Jed Risner, Charles Sommers, Ralph Scarfuri, Martin Myer and under the direction of Dave Balkin furnished music. Carl Schurze gave the vocal accompaniment. Various members of the classes had little skits to put on, and Mr. Rubori furnished another story before he left. The affair was pronounced to be a complete success and one of the best ever given.

Eighteen is the ideal age for university matriculation, according to a survey conducted at the University of Syracuse. Students at that institution believe that matriculation at the earlier age keeps men from activities and prevents them from enjoying college.

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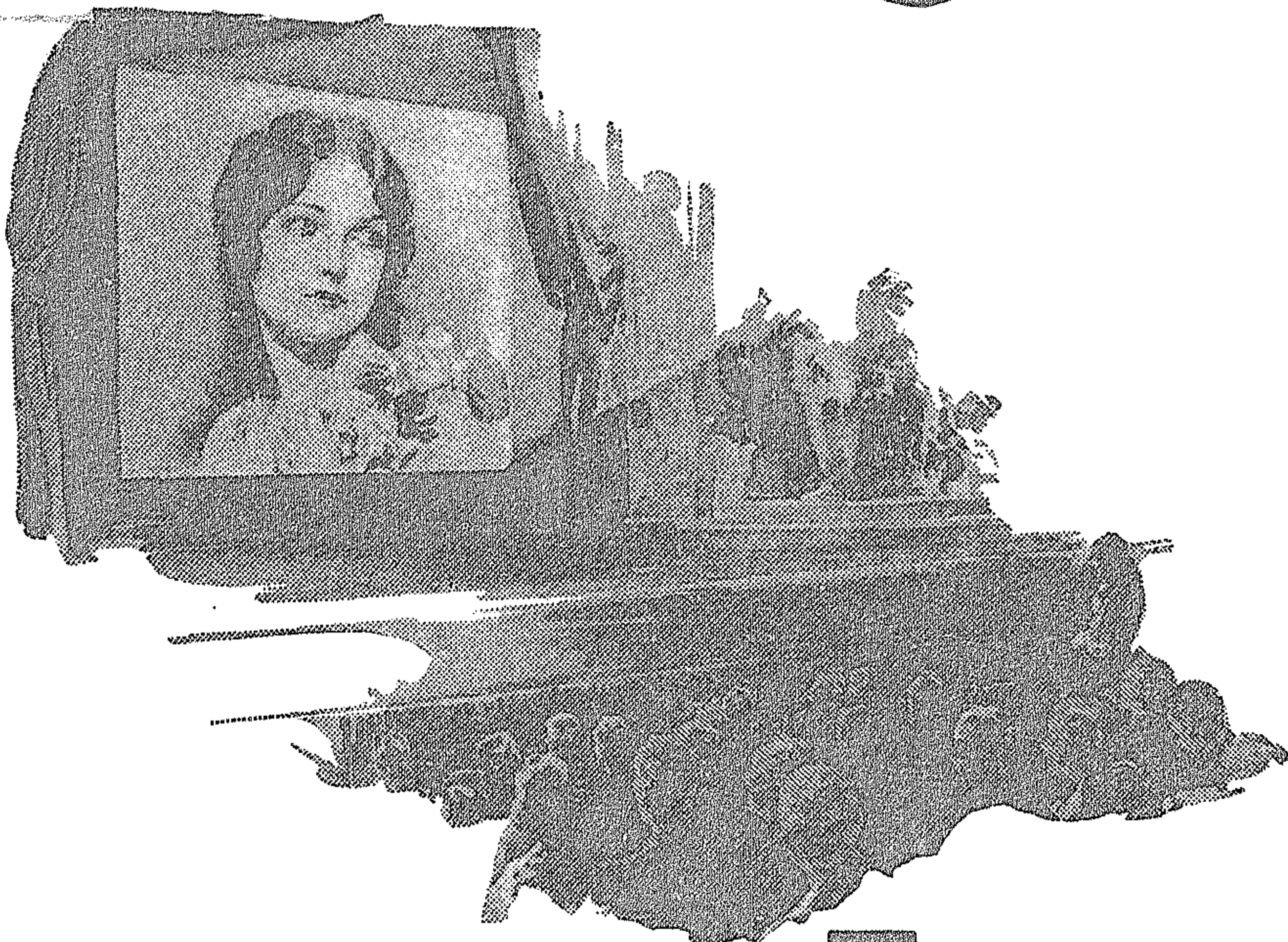
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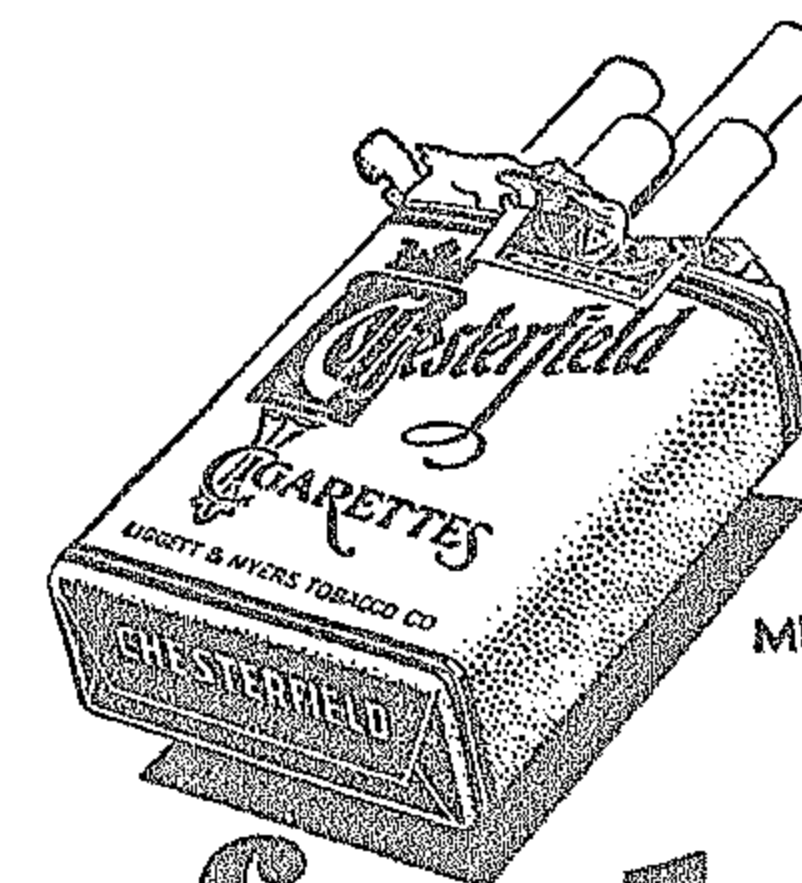


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SCHEDULE FOR TUESDAY, MARCH 18

This is the complete schedule for Cycle Group pictures. Students will be dismissed from classes only during the time picture is being taken.

MORNING

- 9:00 Junior Class—Ogden Field.
- 9:30 Sophomore Class—Ogden Field.
- 10:00 Freshman Class—Ogden Field.
- 10:30 A. S. M. E.—Ogden Field.
- 10:35 Junior Marshals (1929)—Main Entrance.
- 10:45 W. S. E.—Ogden Field.
- 11:00 A. I. Ch. E.—Ogden Field.
- 11:05 A. T. A. A. Officers—Main Entrance.
- 11:10 Board of Athletic Control—Main Entrance.
- 11:15 F. P. E. S.—Ogden Field.
- 11:30 A. I. E. E.—Ogden Field.
- 11:30 Cycle Assistants (sophs)—Main Entrance.
- 11:40 Leaders of Musical Organizations—Main Entrance.
- 11:45 Architectural Society—Ogden Field.
- 11:45 Engineer Assistants—Main Entrance.

AFTERNOON

- 1:00 Campus Club—Ogden Field.
- 1:05 Inter-Honorary Council—Main Entrance.
- 1:10 Inter-Fraternity Council—Main Entrance.
- 1:15 Radio Club—Ogden Field.
- 1:20 News Assistants—Ogden Field.
- 1:25 Truss Club—Ogden Field.
- 1:30 Rifle Club—Ogden Field.
- 1:35 "A" Men—Ogden Field.
- 1:40 Honor "A" Society—Ogden Field.
- 2:00 Basketball—Assembly Hall.
- 2:15 Orchestra—Assembly Hall.
- 2:30 Glee Club—Assembly Hall.
- 2:45 Boxing and Wrestling—Assembly Hall.
- 3:00 Tennis and Golf Teams (1929)—Assembly Hall.
- 3:15 Swimming Team—Assembly Hall.