Prof. Richardson Guest Speaker in Radio Series Talk

'Electricity and Therapy' Topic of Speech

of last Saturday's radio talk over WCFL it would seem that electrocutions are merely beneficial doses of nected with the business world. electricity applied with the theory that if a little is good, why then, more is better.

It is not to be implied, however, that Associate Professor D. E. Richardson of the Electrical Engineering Department, holds this view. As guest scientist of the program, however, he pointed out that electricity has been applied to the human body in many ways with beneficial results, so much ing of men and how to control them. so, that the field warrants its own classification of electrotherapy. There are many subdivisions which Professor Richardson mentioned and explained to some extent which give some indication of the degree to which the art has progressed.

Has Many Advantages

For example, one can cut flesh with always regret it. the broad side of a small needle or with a wire loop. Practically no pressure is required, the only necessity being guidance. The principle of the radio or high frequency knife is comparatively simple—where the metal contacts the tissue, there is high concentration of electric current sufficient to raise the local temperature of the flesh to the boiling point. The action brings about an explosion of cells along the fine edge of contact and the consequent rupture of tissue to form the cut."

No Sharp Edge

Then too Professor Richardson discussed the advantages of such a less surgery in which the electric cur- Trucks." rent coagulates the blood about the cut.

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Seniors Hear Millar On 'Human Relations'

"To be an executive, an engineer must know materials, the fundamentals of science, and above all he must know men," according to Mr. John H. Millar, who talked before Armour Tech seniors on "Human Relations," last Tuesday, Feb. 22. The By exaggerating the implications talk came as the first in a series of four or five to be given for the and orchestra. benefit of the seniors by people con-

Discussing engineering as a profession that has changed from ar analytic science, in its early days, to a synthetic one in its modern form, he pictured Caesar as one of our best and earliest engineers. He pictured Caesar as having those qualities that make a good executive, placing special emphasis on his ability to lead and on his remarkable understand-

Carrying the idea of influencing people's minds to a conclusion, Mr. Millar gave some hints on that most important phase of their career, getting the job. He stressed the idea that the job hunter must first thoroughly acquaint himself with the industry in which he expects to be employed, so that when he is interview-A very interesting explanation of ed he can give reasons for his posthe operation of the radio knife was sible employment that will enable him given by Professor Richardson. In his to convince the employer that he is words: "This device is called a knife just the man to hire, and that if the but it does not have a sharp edge. employer passes this chance he will

Sipp, Neuert Present First of Competive Talks to A. S. M. E.

At a meeting of the American Society of Mechanical Engineers on Friday, the first two of a series of member-speakers gave their talks. The speakers are competing in the competition to decide who should represent the A.S.M.E. at the convention to be held in Milwaukee on the 18th and 19th of April.

Edmund Sipp addressed the group on the subject, "Critical Speeds", and he was followed by Paul Neuert, knife and pointed out its use in blood- who talked about "Refrigerated

The delegates sent to Milwaukee will compete with other delegates for Professor Richardson is well known various prizes. The convention on and needs no introduction to sopho- most other occasions was held here at more electrical students of Armour. Armour, but for other reasons it

Musical Clubs' Concert Plays to Near Capacity Audience

Under the expert guidance of Mr. Gordon Erickson, the musical clubs gave their annual Goodman Theater concert last Thursday night. The house was filled almost to capacity by the families, friends, and professors of the members of the glee club

Color was added to the program by the fine performance of the soloists, R. Vandekieft, A. Rune, H. Doolittle, G. Danforth, T. Yeakle, P. Woods and E. Ratzel.

A unique feature of the program was a "gay 90's" quartet composed of R. Winblad, H. Bodnar, R. Vandekieft, and R. Conger. The quartet rendered their own version of "The Bulldog on the Bank" and "Sweet Genevieve."

Following the concert, pictures of the glee club and orchestra were taken. While waiting for the photographers to get set up, the orchestra indulged in an impromptu swing ses-

Berger and Bodnar Discuss 'Vacuum Distillation' Jointly

Members of the A.I.Ch.E. at their 10:30 meeting last Friday morning in the Physics Lecture Room heard a discussion on "Vacuum Distillation" by H. Bodnar and E. Berger, senior chemical students. Bodnar described the use and operation of vacuum distillation in the laboratory and industry, and stressed the need of such methods when high temperatures cause decomposition. By distilling under low pressure the operation may be carried on at a lower temperature.

Berger described this process as used in the glycerin industry, where other methods are more expensive or impractical due to the decomposition of glycerin at high temperature. An open discussion among the members followed the lecture. It was brought out that this will be an important operation in the vitamin field.

At the beginning of the meeting Prof. McCormack presented a certificate award to E. J. Loutzenheiser, Jr., from the A.I.Ch.E. for having the highest average among the sophomore chemical students.

Junior Formal Given at Palmer Liouse Saturday

Soundless Sound Movies Feature A.I.E.E. Meeting

Imagine, if you will, sound movies without the sound. This was the unique situation met by the A.I.E.E. at their meeting last week when the sound amplifier of their sound projector failed to function. Nevertheless the show went on, for there were gathered some forty impatient electricals who just would not be disappointed. Lightning flashed unaccompanied by the customary crash of thunder, and lips moved, but spoke not a word. Witty remarks were passed which helped to relieve the monotony of the situation.

The films were entitled "A Modern Zeus" and "The Volt Comes Into Its Own." Lightning research was the theme of the former film.

Gay Claridge's Band to Furnish Music

"The best at last" is the slogan of the Junior formal dinner dance to be held in the Grand Ballroom of the Palmer House, Saturday, March 5th, at 8:30 p.m.

Atmosphere in the sophisticated mode of a formal event, food in the superb manner that the Palmer House prepares, and music in the sweet, swing style of Gay Claridge and his orchestra are the features which will. the juniors assure, make the event an epic in Armour social affairs. The junior social committee has spent many weeks of hard work in completing to perfection, even the smallest details in the dance arrangements, and now is ready to show the school the results of their work.

Make Early Reservations

Reservations should be made for the affair at the earliest possible date in order that tables of favorable location may be obtained. Tables, seating ten people, will be placed in three rows across the width of the ballroom at each end. The center of the ballroom will supply ample space for dancing which will furnish entertainment between courses and later in the evening. There are still a few tables that may be reserved which will afford easy access to the dance floor and a good view of the proceedings.

The Palmer House will furnish food of unusual quality in an unusual style. Service will be the best ever seen at an Armour function. Each table will have its own waiter, and the dinner will consequently be served with more rapidity. Salads, desserts, and the side dishes will be served as artistic delicacies. The tables will be set and decorated so as to add to the appeal that food will have for the eye and taste. Harmonizing with the eye and taste appeal of the dishes, will be the music that Gay Claridge will furnish during the dinner hour. Special arrangements of soft music will add to the effect and furnish the necessary syncopation for dancing between courses. Bids on Sale in Lobby

Bids will be on sale at almost all hours of the day all next week in the main lobby of the school. The price is \$5.50 and includes all tips and other charges. As no bids will be sold at the door, reservations MUST be made early in order that table spaces will be properly arranged.

Distinguished guests of the evening will be Dean Heald, Dean Tibbals, Professor Schommer, and Treasurer G. A. Allison.

The social committee members for the affair, who are in complete charge are: B. G. Anderson, Chairman; D. W. Jacobsen; E. C. Mitchell; and I. M. Footlik.

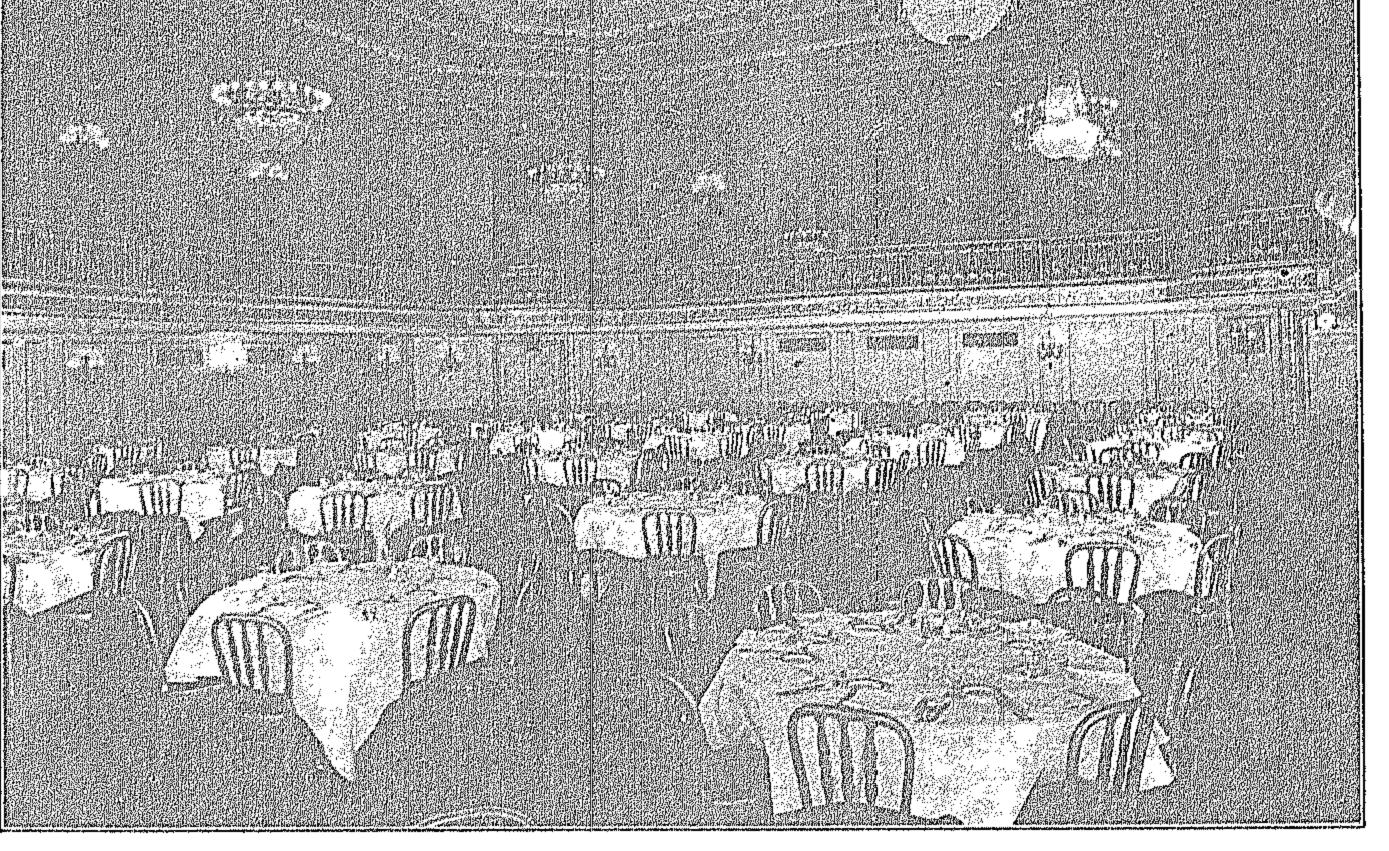
"No details have been overlooked in making arrangements for this event," says B. G. Anderson, "and I hope we have some real support from

C. Harris to Present Slide Rule Lectures

In response to numerous requests, Professor Harris will deliver the first of a series of lectures on the use of the slide rule next Friday at 10:30 in Science Hall. This is the third time Mr. Harris has been called on to pass on to the students the intricacies of the "slipstick."

The lectures will be given on alternate Fridays, progressing in sequence from the fundamental to the more advanced scales. A large model of a slide rule will be utilized air. When heated the air expands in the demonstrations, thus eliminating the necessity of owning an instru-

The lectures will be so divided that each will completely cover one or more scales. The material to be discussed will be posted on the bulbe regulated to the conditions pre- letin board enabling the more advailing in the building where the in- vanced students to participate in only the phases in which they are inter-In closing the lecture Mr. Crandall ested. All freshmen and sophomores



Grand Ballroom of the Palmer House

W. Fuller Discusses Commercial Aviation at W. S. E. Meeting

"Engineering Problems in Commercial Aviation" was the subject of a talk given last Friday in C Mission by Mr. W. E. Fuller, member of the engineering division of the American Airlines, Inc. Mr. Fuller is associated with the test department of this organization.

First, Mr. Fuller expressed the relation of engineering in a modern airway to the other activities such as operation, maintenance, communications, treasury, and sales. He stressed the fact that engineering plans should give consideration to these, as well as to the purely technical matters. Some functions of the aeronautical engineer are determining airplane loading and schedule charts, designing instruments, instructing employees, and doing test work.

Mention was then made of some of the work being done in the test department. Modern airplane engines need gasoline of such high octane value that Anilol is being mixed with the regular gas right at the carburetor. A "feathering propellor" has been developed that changes its pitch to 89 degrees in case of motor failure thereby stopping the engine, and at the same time reducing "air drag." Methods of preventing sleet from coating airplane wings, specifications for new aircraft, hangar construction, and routine drafting are other matters that keep the engineer

"A prospective aeronautical engi-Miss Kavanaugh is a graduate of besides me at home. My little broth- neer need not have specialized I training as much as a good basic foundation," advised Mr. Fuller. Only Meanwhile, outside in the Audi- one member of his staff had been Yvonne during the interview, "it was torium a frantic group was trying to specifically trained in this type of engineering.

at Conclave of Four Houses Armour Tech's chapter of Pi Kappa Phi will play host to its frater-

Armour Pi Kapps to Be Host

nity brothers from Illinois, Michigan State, and Purdue this Saturday and Sunday at the International House at the University of Chicago. This will be the third annual conclave of the district composed of the colleges listed above.

On Saturday afternoon, a series of speeches will be presented by representatives of the different chapters. This will be followed by a banquet at which Professor S. F. Bibb will preside. Dean C. A. Tibbals and C. Dunbar will give talks at this affair.

Sunday's program will consist of a banquet at 1 p. m. at which H. Perlet, in charge of arrangements for the conclave, will act as toastmaster. After dinner entertainment will be a talk by A. W. Meisel, of New York, national president of Pi Kappa Phi greetings from chapter representatives, and an address by H. T. Heald, acting president of Armour Tech.

Evening Division of Student Association Holds Election

Continuing the vigorous activity with which it was begun, the Evening Division of the Student Assocation held their election of officers last Saturday. The meeting was held under the direction of the temporary Executive Committee at 3 p.m. in the Assembly Hall.

The meeting was held on Saturday afternoon, because at this time the greatest number could attend. Despite the hardship entailed in coming down just for the election, a large number of students took part in the selections of officers. The positions to be filled were those of the permanent Officers and Standing Committees.

Movies of Improved Automatic Equipment Shown to F. P. E. S.

Judging by those present, the F.P.E.S. meeting held last Friday was one of the most interesting sessions that has been held in many months. Mr. Barry, Mr. Crandall, and Mr. Quandee of the Rockwood Sprinkler Company showed moving pictures of the Rockwood Company's most ingenius fire protection device. This new equipment, known as the "H.A. D." unit, is almost magical in its abilities to do things automatically. is claimed that any mechanical action which can be started or stopped by human beings can be operated by the H.A.D.

The films showed several interest- the other classes." ing applications, among which were the closing of fire doors and windows, operating of a water curtain for reducing exposure from other buildings, and the operation of sprinkler systems.

All of those present were deeply impressed by the elaborate precautions taken to prevent any tampering with the mechanism. If any part of the system is broken an alarm immediately indicates the trouble and usually its location as well.

The pictures explained very clearly just how this simple device works. A small metal cell is filled with against a diaphragm. This phragm is coupled to a tripping de- ment to participate in the meetings. vice which releases a weight. In falling the weight can be made to do a large variety of mechanical things. By a simple adjustment the unit can

stallation is made. added a few explanatory remarks. | should attend.

Miss Yvonne Kavanaugh Steals Play from the Two Males in Cast

Cornell. Supporting her in minor bit with my questioning. parts, were, noticed only by the most observant Armour theatre-goers, John Keane and Jorma Leskinen. Keane hit the heights in the opening scene when his rich young baritone sang out that famous Russian classic, "Ah-Yi-Yuch-Yem." It was so realistic and Russianish that one could just vision the borscht bubbling in Keane's gullet. Leskinen was good, too, only he isn't quite familiar with his anatomy. Your side is not where you

Plows Through Crowd

sit on.

bowed his way through a group of ity. "Goetz, that's a familiar name," crowding, amorous stag-door John-she pouted. "Oh, of course, he's our nies, notably Jim Sheehan and Ed new neighbor. He's the one that Berger, to Miss Kavanaugh's dress- never shovels his sidewalk." At this ing room for his interview. There, point Miss Kavanaugh remembered still in her very becoming costume, a previous appointment and thought he was greeted by his beaming, radi- it time to stop. "Why not come out ant hostess. After slamming and to my home tonight and we'll finish,' barring the door to keep out the mass she suggested. After deep meditaof milling humanity, the interview be- tion I accepted, but fired one last | busy.

the Wilson School of Music and er, but he has the chicken pox." Drama and is a teacher of dramatic immediately left. art. "Oh, the audience," sighed so kind and friendly. Never have I

By Zazn Let an old-timer tell his juniors | performed for so gracious an audithe secret of that thrilling perform- ence. Tom and Jorma must be wellance of "Marriage Proposal," given known. The oh's and ah's the audiby the Armour Players last Tuesday. ence gave when they saw them. I That pulsating young actress, Yvonne am so happy that the presence of a (pronounced Yvonne) Kavanaugh, female in the cast wasn't resented portrayed Natalia in a fashion remi- by all those dear boys." After asniscent of Cornelia Otis Skinner, suring her that she was not resented Helen Hayes and even Katherine by those DEAR BOYS, I proceeded

No Chance, Boys! Miss Kavanaugh is a marvelous cook and is equally adept at sewing. She is not engaged but has many boyfriends. "Yes, I have many boyfriends," stated the young actress, "but I plan never to marry. I wil devote my entire life to the legitimate stage."

Her favorite role was that of Meg in "Little Women," given recently at the Woman's Theatre. Learning that Yvonne came from Homswood, Ill. brought to my mind that our own After the play, this reporter el- Prof. Goetz resides in that communquery at her. "Oh, there's only one

(Continued on page four)