

## RAILWAY E.E.'S IN ANNUAL CONCLAVE AT HOTEL SHERMAN

### Sixty Eight Manufacturers Display New Creations at Exhibit

The Nineteenth Annual Convention of the Association of Railway Electrical Engineers ends tomorrow at 5 p. m. after a four-day conclave at the Hotel Sherman. Sixty-eight exhibits are on display, representing manufacturers from all over the country.

#### Perpetual Motion Shown

The E. A. Lundy Company, of Pittsburgh, Pa., has the same "Andy Gump Perpetual Motion Machine" that was on exhibition in the booth of the Coyne Electrical School at the recent Radio Show at the Coliseum. The deception still remains unexplained.

#### High Frequency Phenomena

The exhibit of the General Electric Company consisted of several demonstrations of high frequency phenomena. A neon tube held in the hand glowed when the apparatus for the radio transmission of current was turned on. By means of the color change, the stress in material, which was being bent, was made visible.

#### Motor Bearing Exhibited

The Westinghouse Electric and Manufacturing Company was for the first time exhibiting the sealed sleeve motor bearing, which allows no dust to get in either the bearing or the motor. A grid glow tube operated a relay when a hand was placed close to it. This is the first year that Westinghouse Servicing is exhibiting.

The Allen-Bradley Company is exhibiting automatic starters. Their latest improvement is a starter using both a transformer and a condenser instead of either alone. It is claimed that this gives advantages that neither type alone possesses. Another type of starter is one in a sealed box for use in flour mills or places having explosive dust in large quantities. There is a water-proof type of control button having a layer of pigskin between the buttons and the outer case, for use in dairies.

#### Fairbanks-Morse Has Display

Fairbanks-Morse and Company are exhibiting a new type of motor, having a double wound rotor. The rotor contains iron pins which move as the motor gains speed, thereby changing the current flowing through the rotor. It is claimed that this form of construction gives high resistance and high starting torque.

The Bulldog Electric Company display a type of switch panel which took seven years to produce. It is approved by the United States Bureau of Standards and presents a great safety factor to persons working on it.

The Vapor Car Heating Company present an automatic heating system for passenger cars. This system will satisfactorily heat different parts of the same car. As it is a vapor system, the valves are under no pressure other than atmospheric. Various types of thermostatic controls are used depending upon the installation. One of the greatest advantages of the system is that cars in the yards are automatically lowered in temperature, thereby effecting a saving in heating costs.

The Gould Kathanode involves the first improvement in storage batteries during the last twenty years. It uses a plate of spun glass on each side of a paste battery plate, resulting in a much lighter and more compact battery. Twenty submarines of the U. S. Navy are at present equipped with these units.

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## The Inquiring Reporter

Question: Now that the seniors have jackets, do you think that the freshmen should wear green caps?

R. Steinert, '31, CH. E.: Yes, I think they should wear them. They should be green because that is the color of fresh, young, growing things.

L. J. Weseli, '32, M. E.: No, I don't. I don't think you should put that sort of a distinguishing feature on a freshman. You should be more democratic.

H. W. Montgomery, '30, F. P. E.: Yes, I think it would be a good idea. I formerly attended a state teachers' college with an enrollment about the size of Armour, and the freshmen wore green caps. This feature, I think, added greatly to the social activity of the campus. I believe it would have the same effect here.

E. J. Stehno, '31, E. E.: They shouldn't wear them because they might be inductive to hazing. They might make the freshmen targets of the upper classmen. The way it is now, the freshmen aren't distinguished from the others when a bunch of the students get together.

E. L. Cordes, '32, C. E.: No. The Senior's jacket is an honor, while a freshman's cap would lower the social standing of the freshman.

Clifford Romine, '30, M. E.: Yes, I do. I think it would put a little more spirit in the idea of their being freshmen.

C. H. Johnson, '30, E. E.: I think it might be a good idea so that you could tell the freshmen from the upper classmen.

Fred Rasmussen, '30, C. E.: There has never been any way of distinguishing the freshmen except by their lost expressions, so it would be very fitting to have green caps as a kind of tradition.

## Fire Drill Successful

The fire drill conducted by the district fire commissioner last Thursday was a considerable improvement over that held last semester. According to the rules of the fire department, buildings should be emptied in less than two minutes after the sounding of the alarm. Fire drills are conducted twice per year by the department. The most praiseworthy feature of the drill noticed by the commissioner was the manner in which the students cleared the entrance.

In the near future gongs are to be installed in Chapin Hall and in the Armour Mission, both of these buildings at the present time having no alarm system.

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## EX-C.E. STUDENT SWALLOWS POISON

Melvin Swenson, ex-'29, died early Sunday morning, October 20, from the effects of poison which he swallowed the evening before, which he took from despondency over the after-effects of a nervous breakdown which he suffered several years ago.

Saturday evening the father, Swen W. Swenson, who is head of the collateral department of the Central Trust Co., and Melvin played their customary game of chess. Melvin won the contest, and then, with a smile, left the room. He returned fifteen minutes later.

"Dad, I've done for myself," he said. "I just swallowed poison."

For five hours a physician strove to combat the poison with an antidote, but at 1 a. m. Melvin died. He was a draftsman with the architectural firm of A. V. Teisen, 4804 No. Kedzie avenue.

While at Armour, he was a student in the Department of Civil Engineering, but left during his sophomore year. He was a member of the wrestling team while here.

L. Statkus, Range Officer of the Armour Tech Rifle Club, has appointed three men to assist him in maintaining supervision of the Range and in instructing inexperienced members. They will be on duty at the 7th Regiment Armory, 34th and Wentworth, on the following days:

Monday, R. A. Hess, 2-5 p. m.  
Tuesday, C. Rambolt, 10:30-12:30 p. m.  
Wednesday, L. Statkus, 1-5 p. m.  
Friday, S. Janiszewski, 3-5 p. m.

After the Chicago-Purdue Game - Oct 27

THERE WILL BE A DANCE IN THE STEVENS GRAND BALLROOM presented by The Order Of Builders music by Fred Hamm And His Collegians also Joe Martinez And His Orchestra

Bids of Lyon-Nealy or from members - 25¢ at the door - 50¢

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## Stanley Billboards Humor in Bookstore

The fountain of humor of Stanley Livingstone, curator of the bookstore and candy-counter, is always gurgling freely, but the other day it bubbled way over when he collected a sheaf of his surplus jokes, pasted them on a card, and tacked them up near the entrance, for the entertainment of the several peanut and candy bar munchers who love to while

away a few minutes of their lunch hour in his domain. Stanley "Dough" contends that all the jokes there pasted have been passed by censor (his wife).

Oh, yes, Stan has also announced the motto of the bookstore, and has given Mac, his partner in conspiracy, strict orders to carry it out to the letter. It is: "Rob the students of all you can during their four years here, because after they get out, they've got all their lives to rob the public!"

## Bird's Paroid Built-up Roof

The White Top Paroid Cap Sheet adds years of wear. It reflects the rays of the sun and seals in the waterproofing materials beneath. Samples and Specifications on request.



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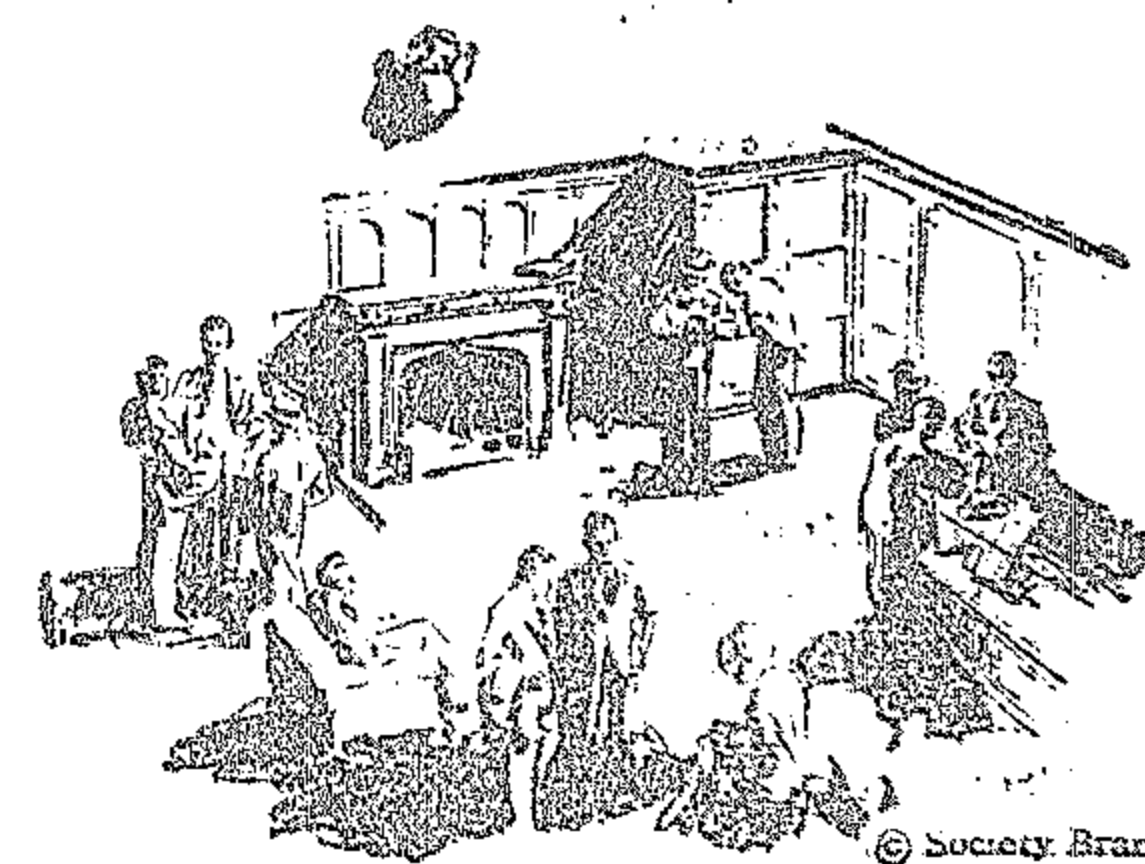
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