ELECTRONICS SHOW FEATURES UNUSUAL LIGHT APPLIANCES

Photo-Electric Cell Used To Check Labels, Feel, Smell, and Count

LECTURES AT 8 P. M.

Flashing lights, clicking relays, and glowing tubes afforded a World's Fair atmosphere to the Electronics show, now going on at the Chicago Lighting Institute, located on the thirty-sixth floor of the Chicago Chicago Civic Opera building. This interesting exhibition will continue for the rest of the week, and will be open from ten until nine o'clock. A lecture and demonstration will take place at eight P. M. The A. S. M. E. will assist in the demonstration.

At the lecture last Friday evening Mr. A. J. Germain, electronics expert of Westinghouse Electric comprior to the demonstration.

Better Than Human

Many processes depending on human care are now done more accurately by use of the photo-electric cell. and other like processes are now be- uncleanly. ing done by the untiring photo-electric tube.

the electric eye, the grid-glow tube at the seashore, but on golf courses may be called the electric feeler. This tube is so sensitive that it can detect the presence of a human body three feet away. Merely breathing on a plate connected to the tube can controls unlimited power. The tube is now extensively used lor a burglar alarm.

The second part of the demonstration was on the subject of illumination and included a display of the most modern lighting equipment available. Mr. C.W. Zersen, assistant manager of the Chicago Lighting Institute, was the speaker. After giving a short explanation of the psychological effect of colored lighting, he gave a demonstration bearing out his point.

Use Sodium Vapor Lamps

It was then demonstrated that decoration by colored lights was one of the most effective means. A sodium vapor lamp giving three times as much light as a mazda lamp of the same wattage was then shown. Because of its brilliant yellow hue, the light is restricted in its uses. The light is being used at present for economical highway illumination. A mercury vapor lamp of similar efficiency, but also hampered by its blue green color, was then shown. This light gave a brilliant white beam.

Ultra-violet demonstrations were then given, under which glass eyes sparkled, teeth shone, painted fingernails glowed, and false teeth gave off a delicate pink hue.

Senior Fire Protects See Furniture Plant

The Storkline Furniture Corporation of 4400 W. 26th Street, a large manufacturer of baby furniture, was inspected by the senior Fire Protect class a week ago last Friday afternoon.

The inspection trip, which is one of a series conducted during the semester, was the most interesting of those taken thus far. The officials, who conducted the group through the factory, planned this trip in such a manner that the entire factory was inspected in a systematic fashion.

Fencers Negotiating For Tennis Grounds

Professor Hanns Fischer, sponsor of the Fencing Club, is making arrangements for the use of the tennis courts as a practice grounds for the fencing team.

The popularity of this sport is rising as is seen from the fact that six new students and two faculty members have joined the club. Instructions in the use of the epee and the light saber are given; in addition, the use of the broadsword will be taught as soon as the equipment is purchased.

STUDENT MUSINGS

Fresh air is air which is not contaminated with carbon dioxide, sewer gas, cuss words, gossip, or tobacco smoke. It consists of the highest quality of oxygen and nitrogen with a little ozone thrown in to give it tone and is the very finest article used for

breathing purposes. Out in the mountains, far from the haunts of man, the air is fresher than country butter. After a man has Dam to Los Angeles. These transbreathed in a few million cubic feet | mission towers have a crossbar of it he can eat an ox, hoofs and all, and thinks nothing of taking a small sized bear across his knees and spank- 32 feet apart. The experimental laing him severely. But the air in a | boratory of the company was also large city is of a much inferior qual- taken in on the trip. ity. It has been used so much and has been mixed with so many kinds | company, gave some very interestof odors and gases and has had to mingle with so many sex plays in the They were conducted through the theaters and so much politics outside, plant under the direction of Mr. F that it is no better for breathing purposes than so much tar. After a baby mour, '09. has spent a few months in a one-room tenement breathing the air after six or eight older people have been using it and the sun has been frying it until pany, gave a talk on the commercial it has addled like an egg, the said applications of electronics. A simple baby usually gives up in disgust and explanation of the action of the goes to a country where harp music photo-electric cell was presented is used in place of oxygen to sustain

By long practice some people can inure themselves to air which has not been changed for weeks. However, the same people can usually find com-Matching medicines, checking labels, fort in a shirt which hasn't been sorting boxes, wrapping packages changed for a year. Both habits are

Americans are very fond of fresh air and consume enormous quantities Just as the photronic tube is called of it, not only at baseball games and

Electricals Inspect Largest Switches

The senior electricals last Friday visited the Delta Star Manufacturing Company on their latest inspection trip. The trip was under the direction of Professor Nash, and consisted of the inspection of the world's largest electrical switches.

These switches are to be used on the transmission lines from Boulder which is sixty-four feet in length carrying three tubular copper cables

Mr. Young, the president of the ing information to the electricals. C. Van Etten, a graduate of Ar-

and sleeping porches. A sleeping porch is now used as a specific for a large number of diseases and if its popularity grows, the carpenters will soon be riding in automobiles of Linworking for fifty cents an hour.

Fresh air strengthens the lungs, purifies the blood, steadies the temup the morals. The air in the home et was raised from 15% lifting the stage.

Welborn Speaks on Label Service

Labeling Improves Quality of Merchandise

Mr. Curtis R. Welborn, Superintendent of Label Service at Underwriters Laboratories, delivered an address last Friday on the Underwriters' Laboratories Label Service. While this service has been set up for the protection of insurance companies to take care of certain hazardous conditions, it also is beneficial to the consumer, because it tends to increase the quality of merchandise put on the mark. This service organization is not a profit-making one, but maintains itself by charges made to manufacturers for labels and the stock insurance companies.

Regulates Cord Industry

A good example of its benefit to industry is shown in the case of flexible electric cord manufacturing. In 1929, only 15% of the total amount of flexible cord but on the market was of good enough quality to stand coin quality and the doctors will be an Underwriters Laboratoreis' test. However, the Label Service was introduced in this industry, and the percentage of first class cord in ratio per, untangles the nerves, and braces to the total amount put on the markshould be changed at least once an | 85%. It also has been stated that hour and the air in the theater should most of the remaining 15% is not be changed immediately after every | sold in this country but is exported. doubtful joke and suggestive song. If | Since the quality of the flexible the audience could be changed, too, cords has been very much improved, it would have a great influence in up- many of the former hazards have been entirely eliminated.

Chess Team Defeats N. U. In State Meet

Last Friday night the Armour Chess team, a member of the Illinois Chess Association, won its first meet of the intrastate chess tournament from Northwestern University by a score of four to three. The results of the match were as follows:

ARMOUR M. Salgo I N. Gerber ... 0 D. Terrill.... 0 B. Wilhelm .. 1 W. Cohn 0 A. Rune 1 R. Bernhard . 1 E. Hurd 0 G. Gulbis ... 1 T. Sherman.. 0 R. Hella 1 C. Hegarty .. 0 B. Griesbach . 0 | R. Wieferich . 1

N. Gerber lost the feature match of the evening to M. Salgo in a game that lasted three and one-quarter hours. This game was closely fought all the way to the end, at which time neither side had any apparent advantage. Northwestern will play a return match at Armour on the first Friday in May.

Inspection Every Three Minutes

During the past six years there have been 50,400 inspections made of various products. If time is deducted Saturdays, etc., this means that during this time there has been an inspector at some manufacturing concern every three minutes to inspect some article.

Label Service Extensive

The average person of modern times very rarely passes through a day unless he touches or operates some article or device which has been | Laboratories.

Tupes Speaks on Engineering Law

At the March 28 meeting of the W. S. E., Mr. Ernest E. Tupes spoke on "Interesting Phases of Engineering Law." Mr. Tupes, a patent and corporation lawyer, related some of the building laws and ordinances by which the engineer must abide.

In building operations, it is the duty of the engineer to supply lateral support for adjoining vacant property to prevent settling of the land. Should the land settle, the engineer is liable to prosecution. If, however, the neighboring property is tenanted, the engineer is not responsible for any damages incurred by adjoining structures, unless he can be proved negligent.

Mr. Tupes further brought out that in the resurveying of property, old surveys have preference to new ones, unless the new surveys supersede the old ones. Should it happen that a building is out of line, the owner of the building must either move his property on line, or buy the excess strip of land at a price fixed by court.

Mr. L. T. Condon, a consulting for Sundays, holidays, half days on engineer, is to be the speaker at the next W. S. E. meeting. So far the subject has not been announced.

> approved by Underwriters' Laboratories. Electric light switches, fire extinguishers, toasters, waffle irons, electric motors, and various parts in the popular makes of automobiles are only a few things which have been inspected by Underwriters'

