

WULFING SPEAKS TO MEMBERS AT A.I.E.E. MEETING

Members of the A. I. E. E. were presented with the opportunity of getting first hand information on the conversion from dc. to ac. distribution in Chicago's loop system in a talk given by Mr. Wulfing, assistant to the chief development engineer of the Edison company. Mr. Wulfing has been working on this phase of electrical distribution for the past fifteen years and was able to present detailed information on the subject as only one who is intimately familiar with facts can present them.

One of the interesting highlights of his talk was an explanation of the economic and engineering factors which decided that the Marshall Field Estate Building be equipped in the unique way that has been put into effect. There the height and distribution of facilities is such that a direct current system would cost about forty thousand dollars more in copper alone. The alternating current installation, however, solves the problem of uniform voltage at a lower cost simply by utilizing ac. risers and transformers at the point of heaviest load. There are three such transformer vaults in the building and the power is measured on the customer side of buses. The speaker made a prediction to the effect that our young engineers would see the day when all the facilities in the loop would be handled in the alternating current system.

REVIEWS

"PAST YEARS" the Autobiography of Sir Oliver Lodge

From out of that maze of equations, laws, and discoveries by which we know science there is little of a human element. There is probably no kind of endeavor in which the personality of its maker is so intimately identified with its results as in that broad field known as science. That is what makes the autobiography of a great scientist doubly interesting.

Everyone knows something of Sir Oliver Lodge. He was one of the world's leading physicists during that fruitful period which began with Maxwell about 1864 and has continued up to this day. Lodge investigated and formulated principles which played a leading part in the final discovery by Hertz of the electro-magnetic waves that are the foundation of radio theory today.

Then too, most of us have, at one time or another, read the name of Lodge in connection with psychic phenomena — popularly "Spiritualism." Unless we knew better we might have passed that off as the mere quaintness of a second-rate scientific man. However, Lodge is not to be considered a second-rater in his chosen field, and to doubt his sincerity in his beliefs would be simple blindness in anyone who has read his autobiography.

Lodge does not prove the existence of a spiritual world to any degree that would remain completely unanswerable to objectors. What the unprejudiced reader does feel is that there are certain things—no more specific word would be justifiable—that are yet to be explained in a thoroughly scientific and rational manner.

The arguments for the case of spiritualism are not presented in such dogmatic or persuasive manner that the reader need feel upset about answering the entire question or changing his beliefs. In fact Lodge uses the tones of the humble scientist who is never quiet sure that he has driven the truth to its last position and extracted from it the final story.

These discussions do not occupy the entire contents of the book. The history of his career from early boyhood offers enough material to make it an interesting personal narrative. Much of the scientific work in which he was engaged is presented with enough of the technique included to make it of interest to students of science such as the Armour men are.

Lodge's family was of middle-class origin and engaged in the manufacture of clay ware. Young Lodge worked arduously for his father during the day and studied, mostly

OTHER CAMPUSES

Officials at the University of Denver are aiding fraternities this fall by preventing the graduation of any seniors who are in debt to their chapters.

A professor of English at Ohio State University recommends that college students read more fairy tales.

Thirteen freshmen at Stanford University face expulsion for entering the women's dormitory after a student rally. It has been a tradition for men students of the university to attempt this, but for the first time in sixty years the attempt was successful.

Because of opposition received from the student body, the faculty of Ohio Northern University lifted the ban on dancing. Its most recent dance was the first since 1871.

At Georgia Tech a senior took the same course twice in the same room under the same teacher, receiving the same grade both times, and didn't discover his error until recently.

In an effort to curtail the popular fad of masculine attire for women, the dean of women at the University of Oklahoma issued the order forbidding practice of the same.

University of Oklahoma students, having become frightened by the threats toward headless, rushed to the banks and deposited a total of \$2.50 in the yellow coin.

Among the commandments for freshmen in the Utah Chronicle is: "Thou shalt not keep thyself in the presence of women for it is not good."

Results of a survey at the University of Washington prove that the average student carries more money in his pocket than the average professor, also that the professor's secretary carries more money than both of them combined.

Michigan College of Mining and Technology has as its president, W. O. Hochstim. Armour Tech's executive is W. B. Hochstim. Pretty close!

College boys are listed in an exchange college publication in this manner:

FRESHMAN

- Green hats
- Chewing gum
- Himself

SOPHOMORE

- Hot dogs
- Bluffing
- Himself

JUNIOR

- Knowledge (?)
- Flattery
- Himself

SENIOR

- Himself
- Himself
- Himself

Warmhearted undergraduates of McGill University took pity upon the

unabbed, in the evenings what chemistry, physics and mathematics material he could find. His only formal training in the early years consisted of lectures, for popular consumption only, of the great scientists of the day. Later he managed to pass examinations that admitted him to college, and his progress was more satisfactory.

Although these difficulties were apparently great, he lived in an atmosphere of security. He never had to worry about his success as physicist for his bread and butter; he could always fall back on his business interests for a livelihood. A result of this background is reflected in his philosophy of life. One finds him a simple, trusting, and idealistic person. Yet he reveals himself to the reader in such manner that one cannot help liking the old gent.

His recreations consisted in playing golf and reading the plays of George Bernard Shaw and Shakespeare. Many of England's most famous men were entertained at the Lodge household.

"Past Years" is well worth your while, because it will demonstrate details of that seemingly incredible phenomena which we call "Spiritualism."

H. J. Monger.

Senior Chemicals Visit Soap Plant

On Friday, March 24, the senior chemical engineers will visit Lever Brothers and the American Maize Products Company.

Lever Brothers, one of the foremost manufacturers of soap are located at Robey, Indiana. Formerly their plants were located in the east but it is now considered desirable to have a unit near Chicago. The plant at Robey is equipped with the most modern machinery for manufacturing soap.

The raw material, vegetable oils, is brought to the factory in tank cars and is pumped into storage tanks. The oil is purified before making the soap, for the color of the soap is dependent upon the purity of the oil. The treatment of the oil with caustic soda yields soap and glycerine.

The American Maize Company is one of the largest companies processing corn. The only raw material they use is shelled corn, which is soaked in sulphurous acid, crushed, and separated into corn oil, starch, and waste products. The corn oil is commonly known as Amalizo Oil. The starch can be converted into corn sugar which is used in bakeries, candy, and in soft drinks. The waste products are used to prepare cattle feed and fertilizer.

statues placed on the campus during a recent cold wave. Venus de Milo, though unsmiled of the weather, was found one morning clad in blue feminine underthings.

Oxford University students are permitted to ask one another for information during examinations.

Administrators of Michigan State College have ruled that all students attending the formal dances may not discuss from 3 p. m. on the day of

Fraternity Notes

DELTA TAU DELTA

Gamma Beta of Delta Tau Delta takes pleasure in announcing the initiation of:

- Charles W. Nelson, '36.
- Harry G. Gragg, '36.
- Leonard H. Mayfield, '36.
- Arthur F. Kagsen, '36.
- John B. Davis, '36.
- Edward W. Olson, '36.
- Earl R. Fenske, '35.

TRIANGLE

Triangle takes pleasure in announcing the initiation into the Fraternity of the following men:

- John J. Bachner, Ch. E., '34.
- Frank W. Schmidt, E. E., '36.
- John Scott, C. E., '36.

Initiation was held Sunday afternoon at the chapter house and was followed by a banquet.

The Alumni smoker and Reunion will be held this Saturday evening at the house. The Kappa Phi Gamma Fraternity at Northwestern have recently petitioned Triangle for the establishment of a Northwestern chapter of Triangle and has been invited to attend this smoker.

Sunday, April 2, has been set aside as Mothers and Fathers day, at this time our Mothers and Fathers will be

the dance, and all classes on the following morning.

Men students of the University of Utah insist that the best girls are taken before they reach college and that the co-ed is uninteresting, unintelligent, and expects nothing but putter.

During a recent fire which destroyed a ninety year old building on the Bethany College campus, students formed around the flames and prevented freshmen from attempting to save the building, singing "Keep the Home Fires Burning."

our guests. They will have an opportunity to see our house and motion pictures taken at various chapters of Triangle.

Who wants a ping pong match?

SIGMA KAPPA DELTA

Sigma Kappa Delta takes pleasure in pledging Henry Koerber, M. E., '35.

At the last meeting it was decided to definitely make our meeting night Tuesday night. William Krause was appointed as the new treasurer. Joseph Stehno was appointed as the manager of the S. K. D. baseball team and Alexander Kulpak as the manager of the S. K. D. track team.

PHI KAPPA SIGMA

A radio dance was held at the chapter house last Saturday night. A very pleasant evening was enjoyed by the members and friends present. Late in the evening, after the usual line of good orchestras signed off, refreshments were served.

BETA PSI

The much discussed date for the next dance has been definitely set for next Saturday evening.

The baseball game between the newly initiated "Yannigans" and the older members is planned for sometime this week. The "Yannigans" have spent considerable time in strenuous practice but the older members have confined themselves to catch.

PHI PI PHI

Brother A. Van Zandt, national secretary of Phi Pi Phi, visited the chapter house last week.

Spring house cleaning has been completed and once more activities at the house are in full swing. Last Saturday the Spring Informal was held at the house and a good time was had by all.

Probation week ended last Friday and the pledges are now recuperating and catching up on lost sleep.

DINE AND DANCE

Thursday Evening Dansants

75c
Per Person

Includes Dancing, Special 4 Course Dinner served in our Main Dining Room, Free Checking, Unlimited Parking.

Every Thursday Evening 9:30 to ? ?
ARMOUR STUDENTS ALWAYS WELCOME

Reservations for 2, 4, 6 or more
phone
C. K. BARBER, MAITRE D'HOTEL

MEDINAH ATHLETIC CLUB
Whitehall 4100

They're Milder and yet They Satisfy



You get what you want, and you don't have to take what you don't want

It's like this: You don't want a strong, rank cigarette; you don't want one that's tasteless. You want one that lets you know that you are smoking, but you don't want one that's bitcy.

Chesterfields are milder . . . and yet They Satisfy.

Chesterfield

the cigarette that's MILDER
the cigarette that TASTES BETTER