

Arx News

The Chicago Bridge and Iron Works announce a competition for the designing of an Elevated Tank. There is to be a first prize of \$2,000, a second prize of \$1,000, a third prize of \$500 and five other prizes of \$100 each.

Further information pertaining to the competition may be gained from the December issue of the magazine, "Architecture."

The American Institute of Steel Construction intends to celebrate the 50th anniversary of the birth of the skyscraper in 1934. Chicago is credited with being the home of the first building framed in steel in which the walls were supported by the steel framework.

The Chicago Sunday Tribune is running a series of photographs beginning with the issue of December 7th, called "Chicago's Century of Architectural Progress." The first was prepared by Mr. E. H. Reed, Jr. as a member of the committee on public information of the Chicago Chapter of the A. I. A.

These photographs may be viewed in the Burnham Library of the Art Institute.

At the December meeting of the Chicago Chapter of the A. I. A., among the other speakers of the evening were Franke H. Bosworth, Jr. and Roy Childs Jones whose subject was, "Architectural Schools, Present and Future."

These gentlemen were appointed by the Association of Collegiate Schools of Architecture for a preliminary survey of architectural education.

Civils Inspect Huge Tunnel Under Lake

The Armour branch of the W. S. E. made an inspection trip last Saturday afternoon to the new Chicago Avenue Water Tunnel in conjunction with the down-town chapter of the society. As the trip was made out of school hours it was not compulsory. The trip was made possible through the courtesy of Mr. L. D. Gayton, city engineer and member of the W. S. E.

The start was made from the shaft house located at Chicago Avenue and the lake front, the men being taken down through the hoist to the tunnel, two hundred feet below the surface, as rapidly as sufficient numbers arrived.

NEW BOOKS

NON-TECHNICAL
Short Stories in Science
J. G. Crowther

Wonders of Engineering
Ellison Hawk

Antarctic Adventures and Research
Griffith Taylor

TECHNICAL

Diesel Engine Operation
C. H. Bushnell

Radio Law
W. J. Davis

Encyclopedia of Ceramic Industries
A. B. Searle

Wind Bracing
H. V. Spurr

Photo Cells and their Applications
V. Zworykin & E. D. Wilson

Starting this week, the News will print an abridged list of books received during the past week in the library of the Institute. This list is not merely the best books received, but a representative choice, and should serve to show just what new books may be found. Miss Steele will give more detailed information at any time.

A.C.S. Will Meet At The City Club Friday

The meeting of the American Chemical Society for December will be held at the City Club, this Friday, December 19, 1930. The subject, however, to be presented to the main group at this meeting is one that may prove of little interest to Armour's Engineers. It is "The Self-Selected Diet of Infants and Children" to be presented by Clara M. Davis, M. D. The group meetings should be the only portion of this month's meeting that will be of any particular interest to the Chemikers.

Mr. H. Penn Presents Talk Before W.S.E.

"Scheduling in Construction Work" was the subject of an illustrated lecture given at the W.S.E. meeting last Friday morning at 11:30 in Science Hall by Mr. Henry Penn, former professor in the civil department at Armour.

Most of the time was devoted to a motion picture which illustrated and was the basis of two or three short talks by Mr. Penn.

ARMOUR RECEIVES EQUIPMENT FROM A. T. & T. COMPANY

Gift To Help Juniors Study Power Lines

PLAN NEW TESTS

The Electrical Engineering Department has received a gift from the American Telephone and Telegraph Co. apparatus which will enable a thorough study of telephone and power transmission lines. The apparatus received consists of the following items, a Type 13-A Oscillator, Type D-79017 Voltmeter-Milliammeter, a Type 1-B Impedance Bridge, an Artificial Line and auxiliary apparatus.

The 13-A Oscillator is a vacuum tube generator of alternating currents adjusted to any single frequency from 20 cycles to at least 9500 cycles per second. It is designed especially for use with transmission testing apparatus. The principle involved in its construction is the well known heterodyning two high frequencies, one of which is constant and the other variable.

Accurate Measurement

As alternating current meters are less sensitive than direct current meters, measurements of alternating voltages and currents of magnitudes and frequencies found in transmission work cannot be made with a simple meter such as employed in direct current work. The D-79017 Voltmeter-Milliammeter will measure effective voltages from .001 to 3.16 volts, and amperes from .02 to 3.16 milliamperes for frequencies of 100 to 5000 cycles per second.

The Impedance Bridge is designed primarily for making impedance measurements in the voice frequency range (100 to 3000 cycles). It has an inductance range of from +500 to -560 milli-henries and a resistance range of from zero to 11110 ohms. This bridge will be used with the 13-A Oscillator described before.

Has Artificial Line

The most interesting part of the equipment received is the Artificial Line which is a combination of inductances, capacities and resistances which very closely approximates a transmission line whether it be a telephone or a power line. The parts included in the Artificial Line will make up a line 200 miles long. In addition to the described apparatus there was included repeaters, receivers, retardation coils, etc., which will be used in conjunction.

This equipment, donated by the American Telephone and Telegraph Co., will round out the Junior Electrical Engineering Course and will give the student a better conception of the problems as they are met in the field. New experiments requiring the use of this equipment will be introduced by Professor D. P. Moreton next semester.

FRATERNITY NOTES

PHI KAPPA SIGMA

At the election held Dec. 8, the following men were elected to hold office in the Alpha Epsilon Chapter of Phi Kappa Sigma:

Pres.—R. N. Wilson
Vice Pres.—C. K. Simons
Treas.—M. C. Larkin
Rec. Sec.—H. A. Reich
Corres. Sec.—J. W. Juvinall

The regular semi-annual Alumni Smoker was held at the House last Saturday night. The interest with which the Alumni still regard the Chapter was shown to a marked degree by the large number who were present to enjoy the entertainment of the evening.

TRIANGLE

The seventh annual Snowball Dance will be held at the chapter house Saturday, December 20. The house will be decorated in a fashion befitting the name of the dance, and the Purple Parrots will furnish the music.

Henry Penn, former professor, and brother of John C. Penn, dean of engineering of Armour Institute, was in town for the American Institute of Steel Construction convention and dropped in Friday noon for lunch.

THETA XI

Alpha Gamma, of Theta Xi, takes pleasure in announcing the initiation of the following men:

R. L. Ellis, F. P. E., '33.
C. R. Marsh, M. E., '33.
R. E. Nelson, M. E., '33.

E. A. Scanlon, Jr., F. P. E., '32.

The formal initiation took place Saturday afternoon, Dec. 5, and a dinner was given in honor of the initiates in the evening.

The annual Xmas dinner and dance was held at the Chapter House last Saturday evening. It was a colorful affair and "a wonderful time" was the unanimous vote of all present. Many alumni and all the actives were in attendance.

Kent Parker and Mac Horn, of the class of '28, paid the fellows a visit two weeks ago. Mac and Kent expressed pleasure at being, once again, on the scene of their collegiate careers.

SIGMA KAPPA DELTA

Sigma Kappa Delta was the host of a number of Alumni at a smoker held on Friday, December 5. The hearty cooperation of the alumni, active chapter, and pledges made this occasion a great success.

The annual Christmas Dance is to be held on Saturday, December 20. This dance promises to far surpass those of former years, a fine crowd having already declared their intentions of attending.

REVIEWS

HAY FEVER

Neel Coward

Presented at the Goodman Theater

"Hay Fever" the current production at the Goodman Theater, is truly a play that will appeal to the average college man, for it embodies nonsensical humor with a rapidly moving story. It seems that a serious minded person would find much fault with it, but to the fun loving youth, who seeks a relaxation from the strenuous fares of academic life, it is unique in its class.

The play might be called a satire on the old time melodrama, for through the guise of the character, Judith Bliss, all the hackneyed, stock phrases are utilized, but in such a manner as to merely make them seem more ridiculous than they seem in cold print. Try and depict to yourself four people suddenly all quoting lines from one such play, while four others, not in mutual understanding, bewildered listening to such a flow of oratorical gibberish.

Coward has, besides working in such clever satirical nonsense, exhibited the ability to write clever repartee, and thus the dialogue at all times is sparkling . . . or else humorous through its intentional inanity. Such extreme changes in style only serve to make the play a more hilarious success.

The cast has done much to make the play the success that it is, for the characters portrayed are all somewhat eccentric, and to create this eccentricity without making it seem forced is a deed that the Goodman repertory company can feel proud of having done. Margaret Wycherly, the guest artist, has created the part of the voluble Judith to perfection; one feels that she is most realistic. The work of Harry Mervis was again the same high degree that we have expected of him, and as the perplexed diplomat he plays the role to the overshadowing of some of the others. Katherine Krug has also surprised us by playing a part with more vitality than she has ever seemed to possess in the past.

While the Goodman may present stage plays that cause derogatory comment in some of the large dailies, we hold, as we have in the past, that to the college man they supply a supplementary touch to our technical education; they range from high comedy to serious drama, yet always have an appeal for the thinking man.

A.B.A.

U. of C. Adopts New School Plan

The trustees and faculty of the University of Chicago have decided to discontinue the present graduate school and the present undergraduate courses. The new system about to be adopted is an experiment and calls for five divisions in the non-professional training. Each section is to be headed by a dean. The divisions are: The social sciences division, the physical sciences division, the biological sciences division, the humanities division and the college.

The plan is to be tried out for a period of five years and if at the termination of this period it does not accomplish what is expected, it may be exchanged for a better plan. It is hoped that this new institution will save time for the average student, bring about newer and more satisfactory teaching methods, and afford a wider choice of subjects. The classes in the upper divisions will be much smaller and the teachers in closer contact with the students. The upper classmen will receive the greatest amount of attention and effort.

Students in the upper divisions will be graduated whenever they are able to pass an examination which may consist of a series of questions, an essay, or a laboratory problem.

The equivalent of a B. A. degree will be awarded upon completion of the non-professional work. Professional degrees will be awarded only on the recommendation of the entire section and not one department.

For a number of years various colleges and universities have been experimenting with new educational systems and ideas. Dr. Meiklejohn at the University of Wisconsin has done much to stimulate this new trend.

A recently adopted election plan at Williams calls for the election of as many officers from each class as that class has representatives on the Student Council.

Tests made at the New Jersey college for women indicated that sophomores are less liable to believe untruths than juniors are.



CHRISTMAS

with its joy and good will—why not extend its spirit over the whole year? The fund from the sale of Christmas seals in December will carry help and education against tuberculosis throughout all 1931.

The National, State & Local Tuberculosis Associations of the United States

Buy Christmas Seals
Fight Tuberculosis

ANNUAL CHRISTMAS CONCERT PROGRAM

Thursday, December 18, 1930

ARRANGED BY THE ARMOUR TECH MUSICAL CLUBS ORCHESTRA

Directed by R. R. Eddy

Golden Sceptre Overture.....Schlegel
Beneath the Holly.....Medley

GLEE CLUB

Directed by Dr. Daniel Protheroe

God Rest Ye Merry Gentlemen.....Traditional Melody
Silent Night, Holy Night.....German Folk Song
Winter Song.....Hovey and Bullard

Oboe Solo.....Tom Filas

Vocal Solos by George Burhop

The World Is Waiting For The Sunrise.....E. Seitz
The Old Road.....John Prindle Scott
The Pilot.....Daniel Protheroe

STRESSES AND STRAINS

Directed by Frank O'Connor

Sweet Jennie Lee.....Walter Donaldson
My Bluebird Was Caught In The Rain.....Max Rich
I'll Be Blue, Just Thinking Of You.....Pete Wendling

GLEE CLUB

On The Road To Mandalay.....Oley Speaks
Prayer Perfect.....Stenson and Riley
Passing By.....Purcell and Protheroe
Organ Solo.....H. Chandler

ORCHESTRA

Hungarian Dance No. V.....Brahms

Student Lunches

The Motorists Cafe
Michigan Ave. at 33rd

THE BOULEVARD CAFETERIA

31st Street and Mich. Ave.

Dining and Dancing from 3 P. M. to Midnight
No Cover Charge

Try the New Barber Shop

at the

MOTORIST'S ASSN. CLUB

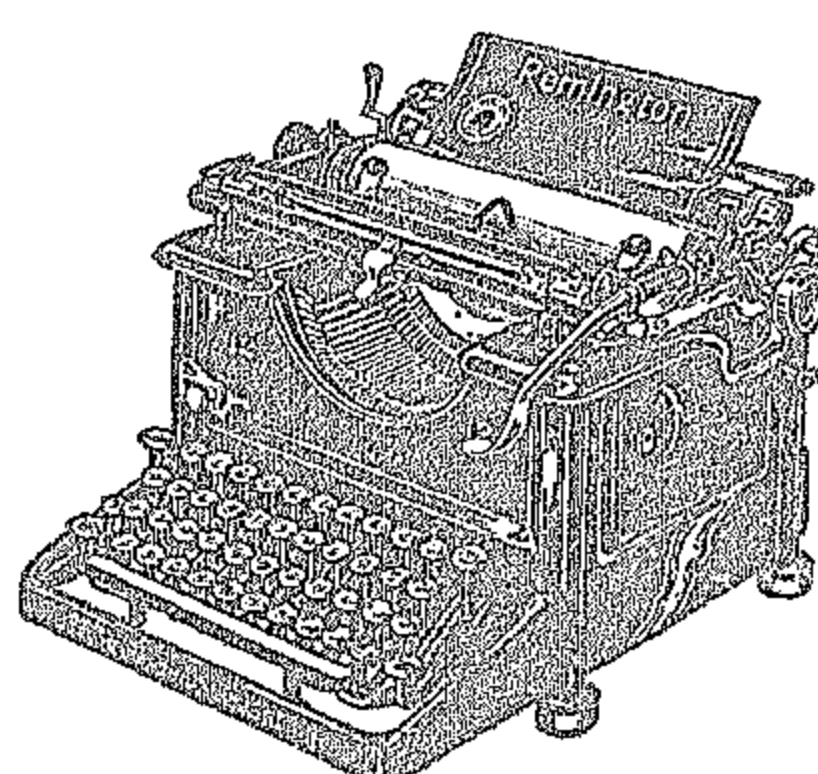
Thirty-third and Michigan

J. Edelstein, Mgr.

ALICE RESTAURANT

3117 WENTWORTH AVENUE

WHERE QUALITY AND SERVICE REIGN SUPREME
HOME COOKING



SPECIAL STUDENT RATE
4 MONTHS for \$7.50
for all standard makes.
Remington No. 6 Noiseless 3 mo. \$7.50
Remington Portable 3 mo. \$7.50

AMERICAN WRITING MACHINE CO., Inc.
(Established 1880)

Free delivery. Satisfaction guaranteed.
177 North Dearborn Street
Telephone Central 2653

OFFICIAL PHOTOGRAPHER TO ARMOUR INSTITUTE of TECHNOLOGY

SPECIAL RATES TO STUDENTS

Label
Chicago