

WATER POWER IS THE SUBJECT OF ALDRED LECTURE

Financing and Designing of
Water Power Project
Described

"WATER HAS BIG FUTURE
AS A SOURCE OF POWER"

Apprenticeship Very Essential
to Men Starting Out in
Engineering

By Charles Rich '26

"The development of water power is going to extend. It has become today one of the great branches of engineering work," said J. C. Smith, Vice President and General Manager of the Shawinigan Water & Power Co. in the second Aldred lecture, delivered Friday afternoon in room 10-250. Vice President Smith gave in detail all the steps in "The Development of a Water Power," and particularly emphasized the opportunities for investigation in the field of conversion and storage of water.

"I shall try to avoid technicalities," he said in beginning, "but I shall assume I am addressing students of engineering who understand without explanation the phraseology required to describe engineering structures.

Experience Good Teacher
"You are learning the science of engineering here," he continued, "and you must have that to proceed. You cannot get out of textbooks the 'Art of Engineering,' by that I mean the application of common sense, courage or restraint, as conditions may warrant. Only natural endowment or more likely 'bitter experience' will develop these characteristics.

"In developing a waterpower, the first step, after the idea of developing a location is conceived is to make a pre-

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GIVE SECOND LECTURE ON PERSONAL HYGIENE

Matches Furnish Illumination
When Lights Go Out

The second lecture in Personal Hygiene was given in room 10-250 at 4 o'clock last Friday by Dr. Sibley. The subject of the lecture was "First Aid." Dr. Sibley's talk included the care of wounds, the making of tourniquets and methods of bandaging, the way to bind a broken bone, the treatment of shock, of sunstroke, and of heat prostration, and how to induce artificial respiration.

The accident to the power plant occurred while the lecture was in progress, and since the curtains in room 10-250 are operated by electricity the only light in the room for ten minutes came from matches which some hardy souls persisted in lighting despite frequent cries of "Put it out!" When the lights finally came on again, numerous gentlemen in the back of the room revealed the purpose of the matches—clouds of cigarette smoke were rising to the ceiling.

MASONIC CLUB DANCE HELD FRIDAY NIGHT

100 Couples Have Enjoyable
Evening in Walker

One of the most successful dances of the season, from the standpoint of those present was held by the Masonic Club in main hall, Walker, last Friday evening. The dance, an informal program affair drew a fair-sized crowd of 100 couples which filled the hall comfortably for dancing.

From 8 o'clock in the evening until 12 when the dance stopped, everybody seemed to enjoy themselves. The music furnished by the Touraine orchestra which regularly plays at the Touraine Hotel, Boston, was full of pep.

There were more upperclassmen at the dance than underclassmen. Several of the faculty and a few of the officers of the Military Science were also present. The patrons and patronesses of the dance were Prof. and Mrs. W. H. Timbie, Mr. and Mrs. H. S. Ford and Mr. and Mrs. W. H. Ross.

T. C. A. HEIR TO ODD COLLECTION OF JUNK

The T. C. A. last week received from the office of the Superintendent of Buildings and Power a basketful of miscellaneous lost articles, valuable articles such as fraternity pins or fountain pens, were not included. Books, old caps and hats, and a raincoat made up the motley collection. The hats were particularly disreputable, some of them looking as if they had served their time and had been discarded rather than lost.

The books have been placed on sale shelves of the T. C. A. book exchange. Nothing has been decided definitely as to what will be done with the clothing, but it is expected that it will be given to some organization that distributes clothing to the poor.

INSTITUTE DARK AS FUSE BLOWS

Result of Accident in Starting
Motor Located in
Building 21

The Institute was suddenly plunged in darkness last Friday afternoon about 4:30 o'clock when the power system ceased to function. The temporary disability of the plant was caused by an accident in the starting of a motor in Building 21. For reasons that are unknown at present, the high tension fuses blew in that building when the current was turned on to start the motor.

The voltage across the terminals of the fuse was so great that the fuse box pulled off its stays on the wall. The main circuit breakers in the power house gave way and as a result the Institute was encircled in darkness for a few moments until the circuit breakers could be replaced.

Work By Gas Light
Due to the suddenness with which the lights were extinguished, there was considerable excitement in the recitation rooms and in the lecture halls. As it was just growing dusk at the time, all manner of lights appeared in the buildings and in the laboratories the students were obliged to conduct their experiments by the light of gas burners.

The confusion was especially great in room 10-250 where the freshman hygiene lecture was in progress because of the fact that the window shades are operated by electricity.

Bizarre Costumes Feature Architect's Poverty Party

The Rogers Building was temporarily turned into a poor house last Friday night when the Architectural Society staged its first dance of the year. As advertised, the music began at 8:30, and the few couples that were there began the excitement lasting throughout the evening.

The Exhibition Room was decorated as some tenement back yard might be, for clothes lines stretched everywhere, and from them were suspended above the heads of the poverty-stricken crowd, all the rags, glad and otherwise, known to both male and female of the species. Someone very kindly said that the designer of the various bits of apparel must have a sister. As yet, the only thing that we know for certain is that the artist who wielded the shears promised to cut anything that his assistant could draw, and the result brought to light the assistant's astounding knowledge of feminine attire.

Bob Sawyer Plays
However, be that as it may, the effect of the vari-colored paper garments and the passionate-tinted lights, coupled with the syncopated harmony of Bob Sawyer and his orchestra, presented a background that was second only to the movable human scenery in costume.

There was a temporary lull in the performance when Miss Baxter and Hugh Perrin 'G arrived—subsequently winning the best costume prize—but the lull was immediately followed by cheers of welcome and approbation, for if ever abject poverty does descend upon the Architects, there is little doubt that those two will be the first to be pitted.

Miss Baxter wore a modish chapeau adorning a stylish arrangement of the

CHRISTMAS WEEK CHOSEN TIME FOR T.C.A. CONVENTION

Will Discuss Christianity and
Religion as Applied
to Students

INDIANAPOLIS SCENE
OF ANNUAL GATHERING

At a recent meeting of T. C. A. it was decided to send delegates to the Student Volunteer Convention to be held at Indianapolis, Indiana, from December 28 to January 1. A committee consisting of H. R. Greatwood '24, chairman, Harrison Browning '25, and A. R. Gruenberg '24, was chosen to determine ways and means.

The Student Volunteer Convention is a get together movement of the "Student Volunteer Movement" and its purpose is "To emphasize the solidarity of mankind and the interdependence of all nations and races."

Large Number of Colleges to Attend

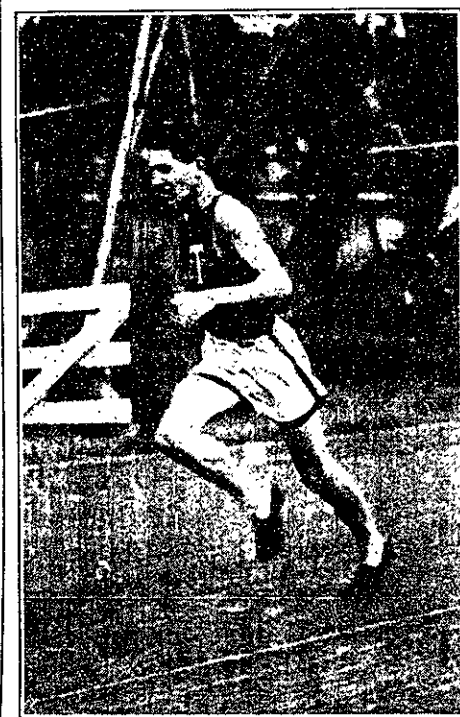
The last and eighth convention to be held before the one of this year was at Des Moines during the Christmas vacation of 1920, and had an attendance of 7000, but due to the convention being too unwieldy, it has been decided to cut the number to 4500. At the convention in Des Moines, Technology's quota was 31, besides a faculty member and T. C. A.'s secretary, W. M. Ross. This has been reduced to 19 this year.

Practically all the large colleges of the country are sending delegates. Brown, Dartmouth and Yale are sending their full quotas and Harvard expects to have 25 men present.

Not a Wild Party
Delegates are needed to represent Technology and all men who are interested should get in touch with a member of the committee or see someone in the T. C. A. office for more information. As yet it is not definitely known whether the delegates will be required to pay their expenses or not, but at any rate they will be given reduced rates and the expenses will not exceed \$75 against those of \$125 of the last convention.

This convention is not to be a "good time" but is for people who are fundamentally interested in Christian things, and they will be fully repaid for the time spent, as speakers consisting of missionaries and men prominent in Christian work will be there from America, Japan, China, Africa and India.

MANY COLLEGES ENTERED FOR HARRIER TITLE RUN SLATED THIS AFTERNOON



CAPTAIN GUBBY HOLT
of Beaver Team

MUSICAL CLUBS WELL RECEIVED

Feagin and Greaves Star in
Performance Given at
Plymouth

With the violin solos by B. L. Feagin '24 and the specialty solo on the balalaika by A. V. Greaves '24 as feature numbers, the Musical Clubs' Concert held in the Town Hall, Plymouth, last Friday evening under the auspices of the Teachers' Club of Plymouth, was on the whole quite well received. The program of vocal and instrumental numbers by the various clubs was made up of classical and popular selections as well as several old favorites and ended with the playing of the "Stein Song" by the combined clubs.

Judging by the applause and by the encores called for, the violin solos by B. L. Feagin, who was accompanied by Bradshaw, were the crowning feature of the performance. Feagin has had ten years of experience with the violin, although this is his first appearance with the Musical Clubs. He played for two years in the National Symphony Orchestra. He also was a member of the Glee Club of Vanderbilt University, from which institution he transferred last year. It is expected that Feagin will perform at the fall concert of the Musical Clubs.

The novelty of A. V. Greaves' balalaika solo was appreciated by the audience. The instrument, which is a great favorite among the Russian people, is a modification of the mandolin, having a sound box of triangular shape and three wire strings. The player, who was born in Russia, came to Technology in his Sophomore year. He was accompanied on the piano by M. C. Wagner '24.

TECHNOLOGY REVIEW TO GO ON SALE TOMORROW

The December issue of the Technology Review goes on sale tomorrow. It contains several feature articles among which is a story of the "Situation in Oklahoma," written by R. G. Tyler '10 of the department of Sanitary Engineering at the Institute. Professor Tyler was formerly a member of the faculty at the Oklahoma Agricultural and Mechanical College, which was attacked by Gov. Walton of Oklahoma.

There is also an article by Gerard Swope '95, president of the General Electric Company, on "The engineer's Place in Society." This article will be based on the lecture which Mr. Swope delivered at Technology on November 9.

Issue Profusely Illustrated
The Review will contain an account of the eclipse expedition which was conducted by former Dean Burton. There will be the usual departments and the undergraduate division is particular thorough.

DARTMOUTH HAS BEST CHANCE TO WIN TITLE RACE

Syracuse Looms as Another
Strong Contender for
First Place

CORNELL, MAINE, BATES
AND TECHNOLOGY STRONG

The best cross country runners in the east will strive for honors this afternoon over the six mile Van Cortlandt Park course when the starter's pistol sets off the greatest number of entries that have ever competed in an I. C. A. A. A. championship run. With an addition of nine colleges over the number entered last fall, the struggle for team and individual honors will be of the hardest kind.

Yale, Columbia, Bates, Maine, and Technology will all be represented by well balanced combinations that will fight every inch of the way, so the leaders will have no easy time of it to take away the honors. Bates and Maine did their stuff in the New England a week ago when they secured the leading positions. The Beavers didn't show up so well then but with a level course their chances are much better.

Because of her recent achievement in beating Cornell, Columbia and the University of Pennsylvania in their annual quadrangular meet, Dartmouth seems to be the favorite in today's race, but the Hanover harriers are by no means the favorites by any large margin, as Syracuse, last year's title winner, is conceded to have practically as good a chance to be crowned the victors as the Green team. A host of strong teams will fight for the second and third places and it is by no means improbable that one of these teams may come through with the championship, as Syracuse did so unexpectedly last year.

PRES. STRATTON WILL ADDRESS MATH CLUB

F. W. Cunningham '25 Will Talk
on Properties of Light

President Stratton will address the Math Club at a meeting to be held in north hall of Walker Memorial tomorrow evening. The subject of his address is not definitely known but it is expected that it will include the mathematical operations of the Bureau of Standards of which he was the head before accepting the presidency of the Institute.

Cunningham to Talk
In addition to the president's talk there will be a lecture by F. W. Cunningham '25 on "Light in a Rotating Field." It is probable that lantern slides will be shown to illustrate his subject.

Members of the faculty and of the student body are invited to attend regardless whether they belong to the club or not. The officers of the club are particularly desirous that the faculty will attend this meeting and are anxious to get them interested in the affairs of the club.

CALENDAR

Monday, November 26
4:00—Oxygen Movies, room 5-350.
5:00—Chem. Soc. Exec. Comm., Comb. Prof. Soc. office.
6:30—Corporation XV smoker, Faculty dining room, Walker.
7:30—Choral Society rehearsal, room 5-330.
Tuesday, November 27
1:45—Chemical Society trip, leaving from Walker lobby.
4:00-5:00—Tech Show chorus tryouts, north hall, Walker.
4:00-6:00—Tech Show cast rehearsal, room 2-190.
Wednesday, November 28
7:30—VI-A smoker, north hall, Walker.
Saturday, December 1
2:15—S. A. M. E. trip, leaving from Army Base.
Monday, December 3
8:00—Menorah meeting and smoker, Faculty and alumni room, Walker.