

FIRST CONVOCATION OF YEAR ON MONDAY

Classes Close at 4 O'clock
to Hear Dr. Takuma Dan
'78, Address Students

JAPANESE INSPECT BUILDINGS

The first convocation of the year will be held in the main hall of Walker Memorial next Monday, November 28, at 4:15 o'clock, when Dr. Takuma Dan '78, will address the student body.

The importance of the convocation is expressed by the faculty in closing all classes at 4 o'clock in order that the student body might attend and hear one of the most important business men in Japan.

Dr. Takuma Dan is the chairman of a party of 23 business men from Japan under the official designation of The Japanese Business Men's Mission to the United States and America. He is the General Managing Director of The Combined Mitsui Interests, Mitsui and Co. (Importing, Exporting, and Shipping) and of the Mitsui Mining Co.-Mitsui Bank. He is President of the Hokkaido Colliery and Steamship Co. and of the Japan Steel Works; a director of the Shibaura Engineering Works; and a special member of the Chamber of Commerce, Tokio. Dr. Dan was the first man outside of the Mitsui family to sit on the board of the Mitsui Interests.

Arrived Thursday Night

Dr. Dan will arrive in Boston Thursday night and will be given a dinner of which Mr. Sawyer, of Stone and Webster, is in charge. On Saturday evening the Class of '78, of which Dr. Dan is a member, will give a dinner in his honor at the University Club. On Sunday night the rest of the party will arrive and on Monday morning they will be given a breakfast by the Boston Chamber of Commerce.

Monday afternoon will be spent in inspecting the buildings of the Institute and at 4 o'clock will be the convocation for all members of the student body, faculty, and alumni.

Dr. Dan will address the student body on a subject which is sure to be worth while. The subject, however, has not been announced as yet. The committee hopes to have the entire student body present.

Serve Tea Afterward

After the convocation tea will be served for the delegation by the Alumni Association and on Monday night there will be another dinner for the party by the Boston Chamber of Commerce and the Algonquin Club. Tuesday evening the delegation will give a return dinner to the Boston hosts.

The object of the visit to the United States by the delegation is to get acquainted with business men and bankers of the United States.

Dr. Dan graduated from the Institute in 1878. He then went back to Japan and took up mining engineering. He is a brother-in-law to Baron Taneko.

Other members of the party consist of Mr. Gijiro Fujiwara, Mr. Katsutaro Inahata, Mr. Takashi Isaka, Mr. Kenjiro Matsumoto, and Baron Kumakichi Nakashima.

DEVELOP PLANS FOR SUMMER CAMP DINNER NOVEMBER 29

Camp Faculty to Be Guests at
Reunion Banquet

Plans for the banquet of those who attended the summer surveying camp at East Machias, Me., last summer are progressing and the committee in charge feels sure that all those who can get around will have a very enjoyable get-together. Nearly all the men that were at the camp are expected to be there. The committee reports that only seven men whom they have seen have definitely stated that it will not be possible for them to attend.

The professors and instructors are to be guests at this dinner. A program of music is being arranged, and most of the speaking is to be impromptu, with "Jeff" Halls '23, as toastmaster.

MECHANICAL ENGINEERING SOCIETY RUNS TRIP

to
Simplex Wire and Cable Co.,
Cambridge

today, and Friday, November 25. Meet in main lobby at 1:30 o'clock. Men wishing to go are asked to sign up on the poster on the Combined Societies' Bulletin Board.

SELL TICKETS TODAY

The remaining tickets for the tea dance for crew to be given Saturday will be put on sale today between 12 and 2 o'clock in the booth in the main lobby. The price will be \$1.50 per couple.

PROFESSOR R. R. LAWRENCE ANNOUNCES ENGAGEMENT

R. R. Lawrence '95, now associate professor of Electrical Engineering at the Institute, and Miss Reba M. Bush, secretary to her brother, Professor Vannevar Bush, also of the Electrical Engineering department, announced their engagement during the past week.

Professor Lawrence was invited to accept a professorship in the then new Electrical Engineering department upon receiving his degree. With the passing of the years and with his scholarly application to his scientific research he has risen high in the ranks of his profession until today he is acknowledged to be one of the foremost authorities on alternating current machinery in the country.

Professor Lawrence is a member of a number of professional societies, among which are the Society for the Promotion of Engineering Education, the American Institute of Electrical Engineers and the National Electric Light Association. He is 49 years old. The date of the wedding has not yet been announced.

PRESIDENT NICHOLS WAS ACTIVE IN RESEARCH WORK

His Resignation Expected by
Those in Touch with Him

The announcement of President Nichols' resignation, which came as such a surprise to the general public and the undergraduates of Technology, was not unexpected by those who were in closer touch with him. He has been ill for some time and is now under leave of absence from the Institute on account of that fact. At the order of his physicians President Nichols has been in carefully guarded seclusion, during the past two months, trying to regain his health sufficiently to take up his duties at Technology. In the opinion of his doctors, however, he has not rallied enough from his illness to warrant the assumption of such responsibilities either now or in the near future and President Nichols' resignation on the grounds of being physically unable to fill his office was the result.

Active in Research Work

Before coming to Technology Dr. Nichols was a prominent figure in the scientific research work in America. The year before his inauguration he was director of the Research Laboratory of the National Electric Lamp Association in Cleveland, where a staff of the most noted scientists of the country was assembled. During the war he assisted the Bureau of Naval Ordnance, perfecting for it several important optical devices used by the navy overseas.

He has always been active in research work, especially in the fields of radio-activity and magnetism. While studying in Berlin in 1894-6 he discovered the metallic reflection of quartz and its anomalous dispersion in the infra-red spectrum, which promptly led to a wholly new method of spectrum analysis by which a considerable advance in this science was made possible. It was by the knowledge gained from Dr. Nichols' experiments that Rubens, Wood, and Von Bayer were able to extend the known spectrum to the detection of heat waves 1.64th of an inch in length.

A radiometer he has devised is one of the most sensitive instruments for heat measurements that exist. By it the heat of a candle's flame may be measured at a distance of 16 miles.

Dr. Nichols has held the post of professor of physics at Colgate, Columbia and Dartmouth. He was president of Dartmouth from 1909 to 1916, professor at Yale, 1916 to 1920, and with the U. S. Naval Ordnance from 1917 to 1919.

Contributed to Scientific Literature

As well as being an experimental scientist Dr. Nichols has made a number of contributions to scientific literature. He collaborated with the Astrophysical Journal and has written regularly for both American and European scientific papers on radiation and the other subjects of his research. (Continued on Page 4.)

JUNIOR DANCE TICKETS ARE ON SALE IN LOBBY

Dancing from 9:00 to 2:00
O'clock at Annual Junior
Class Affair

GET COPLEY PLAZA ORCHESTRA

Tickets are now on sale in the lobby for the Formal Junior Dance which is to be staged December 9 in the main hall of Walker Memorial. The tickets went very fast yesterday and will be on sale again today and also tomorrow if there are any left. The number of tickets are, however, limited.

Dancing will be in order from 9 to 2 o'clock and there will be preliminary dancing from 8:30 to 9 o'clock. Special permission was granted by Dean Talbot to hold the dance after 12 o'clock. The price of the ticket, \$3.25, includes the supper, which will be served in the balcony and in the faculty dining room, and the formal dance.

The Copley Plaza Orchestra will furnish the music for the occasion.

The committee in charge consists of G. W. Bricker '23, as chairman; J. H. Evans, H. B. Gray, C. H. Tirrell, and R. H. Smith.

Formal programs will be given out at the dance. The decorations will be well suited for the occasion. The matrons have not yet been announced.

WALKER COMMITTEE FIXES DANCE HALL RESERVATIONS

Under a recent ruling of the Walker Memorial Committee the following restrictions will be enforced for the reservations for dances to be held in the main hall: Reservations must be made during the term in which the dance is to be held. No organization can hold more than one dance during each calendar month, nor more than one advance reservation at a time.

These rules, the Walker Committee states, were made only after detailed consideration of the effects of the action and with the end in view of being fair to all concerned.

The Committee further states that the financial report from each dance must be in at least one week after the dance is held.

These regulations, it is expected, will prevent the monopoly of the dance hall by a few organizations by a large number of advance reservations.

VOO DOO CIRCULATION 4000

Voo Doo has attained a high mark in its circulation for the last issue. The humorous publication of the Institute is only a little over three and a half years old but has made rapid strides during that period so that now its circulation is 4000 copies per issue.

The managing board of Voo Doo announces that the next number to be published by Phosphorus will be a burlesque, namely The Physical Culture number. The Voo Doo board expect a good deal of original material from the more intelligent class of Institute would-be engineers who have a slight literary or anti-literary leaning. The staff hope that those other than themselves and candidates will take an active interest in making the coming number an excellent one. Any one who is humorously inclined is asked by the Voo Doo staff to leave or to mail contributions at once to the office, room 309, Walker.

The advertising department requests that all advertising contracts be in its hands before November 26.

RESUME WEEKLY MOVIES

After having been omitted for the past three weeks, due to Field Day and Armistice Day and last week's senior trip to Gray and Davis Co., the weekly movies run under the auspices of Corporation will be resumed this week Friday, when they will be shown in room 5-330 at 3 o'clock.

The pictures show how, when and where the Ford is assembled, and possess many delineations of solutions of problems that are of particular interest to members of Corporation XV who are studying factory management and allied industrial problems.

RIFLE TEAM

Candidates for the Rifle Team, and freshman and Sophomore assistant managers, report at range any afternoon this week between 3 and 5 o'clock.

AIM TO STANDARDIZE ACTIVITIES' FINANCES

Institute Committee Makes New
Rules for Reports

The Finance Committee is trying to standardize all financial matters here at the Institute. Forms are being prepared for monthly reports of all routine matters. All minor activities will use a standard method of bookkeeping, and the books of these activities will be kept in the office of the Finance Committee at all times.

Two meetings have been held this year. Motions were passed that: All reports shall be in by the eighth of every month; all lateness or absence from meetings will incur a one dollar fine. These motions have been passed by the Institute Committee.

Plans are being made to standardize activity tickets. This will include dances, athletic events, etc.

During the next two weeks conferences will be arranged with each treasurer. At these conferences the methods to be followed in keeping the books, etc., will be discussed.

Some Reports Unsatisfactory

Several of the class reports that have been submitted were not satisfactory, so an entire new set of reports will be required. One or two of these reports were late, and the men who submitted them will be fined one dollar apiece.

Arrangements have been made to have the picture of the Finance Committee taken for Technique. The members of the committee will be notified by mail of the time of the appointment. Another meeting of the committee will be held the first part of next month.

Persons wishing to get in touch with the Finance Committee will usually find the chairman in the office between 5 o'clock and 6 o'clock. If he is not there, the chairman of the Institute Committee can be found in the office of the T. A. C. after five.

ARCHITECTURAL SOCIETY HOLD DANCE IN ROGERS

Thursday evening, Rogers building was the scene of the Thanksgiving dance given by members of the Architectural Society. Our long-haired architects put aside smocks and pens and joined in an unusually enjoyable affair.

In a word, the party was a success. The musicians of the society are to be congratulated upon their spirited endeavors. Their efforts are appreciated by members and guests alike. The refreshments consisted of brick ice cream and wafers. Janitor "Bill," in charge of the punch-bowl, was a drawing card.

The Commons Room, with its dimly-lighted tapers and log fire, was a general rendezvous.

There was a prevalent and contagious spirit of a jolly good time. The guests were received and welcomed by Professor and Mrs. Emerson, Professor and Mrs. Gardner.

Those in charge of the evening party, W. F. Ferguson '22, and G. S. Holderness '22, president of the society, deserve the hearty thanks of its members. May there be frequent repetitions of this enjoyable soiree.

SURVEYING MEN WILL HAVE OPPORTUNITY TO VISIT PLANT

All men who are taking surveying courses in the Institute are welcomed to inspect the manufacture of surveying instruments in the plant of C. L. Berger Company. The trip is run under the auspices of the Civil Engineering Society, and will take place on next Tuesday, November 29, the party leaving from Building 1 at 1 o'clock.

The C. L. Berger Company specializes in the manufacture of high precision surveying instruments. There is no limit to the number of men who may go. K. Robbins '22 is in charge of the trip.

INSTITUTE CHINESE CLUB HAS LARGEST MEMBERSHIP

The Technology Chinese Club has a greater membership than any other Chinese students' club in the vicinity of Boston. The total number is now 64. This includes several students who are not attending the Institute. Among these are two girls from the New England Conservatory of Music, one from the Emerson School of Oratory, and one from Radcliffe.

CORNELL WINS IN CROSS-COUNTRY RUN

Institute Harriers and frosh
Both Come in Sixth

FLANDERS FIRST BEAVER IN

BY DON R. WAUGH

Special to THE TECH

NEW YORK, November 22.—Cornell's cross country team decisively took first honors in the Thirteenth Annual Intercollegiate Run, held over the New Van Cortlandt Park Course here yesterday afternoon. When the judges had finally calculated the team scores last night it was found that the Ithaca boys had established a new intercollegiate team record of eighteen points. Six men of the first eight finishers wore the Red and White. R. E. Brown barely nosed out his team mate, N. P. Brown, who is not his brother, as many suppose, for first honors in the good time of 32:20 5/10. This time is just one second slower than that which it took Ritola to win the National A. A. U. Championship over the same course the previous week.

The first Technology man to finish was "Art" Flanders, who crossed the line in fourteenth position. "Bob" Hendrie was not far behind, scoring eighteenth. The Technology representatives finished sixth in a field of thirteen starters and completely outclassed the Maine aggregation, which won the New England's this year.

Princeton turned in the second best team score, 87 counters, while Syracuse was third and Yale fourth. Technology's score was 145, thirteen points behind Penn State, which was the fifth team in the final rating.

Freshman Race Goes To Yale

The Cardinal and Gray yearling combination tied with the Princeton representatives for sixth place in the freshman race, which was three miles in length and was run off just previous to the six-mile Varsity test. Yale took first honors here although the first two men to finish wore the Red and Blue of the University of Pennsylvania. Bemis, in twelfth position, was the first Technology harrier to score, Gardner being the second, with nineteen credits against him.

Moakley's Cornell team went right out ahead when the gun was fired in the Varsity run, and maintained positions near the front throughout the race. R. E. Brown, two-mile intercollegiate champion, was leading at the one-mile mark and he held this position throughout the remainder of the run. Fifty yards from the finish N. P. Brown challenged him but lacked the necessary sprint and finished a yard to the rear. Crawford, the sole Lafayette entry, who ran with the hope of securing individual honors, was well in the front early in the race, crossed the half-way mark in second position and finished sixth. His place was not counted in the team score, however, because Lafayette had failed to enter a complete team.

Flanders ran a strong race for Technology but held back a little too late (Continued on Page 3.)

FACULTY CLUB ACTIVE

The Faculty Club is making an effort to increase their activities this year. Among other things, they are planning to have two dances during the season, the first of which was held Tuesday night in the Walker Memorial, and which was attended by the members of the club and their guests. It has been planned to have at least one meeting every month. The program will include illustrated talks on travels and addresses on live questions of the day. There will also be several informal luncheons which will include talks from men invited from outside the Institute. All members of the Instructing Staff are eligible for membership in the club.

CALENDAR

Saturday, November 26
3:00—Tea Dance, benefit of crew, main hall, Walker.
Monday, November 28
6:30—Alumni Council dinner, Faculty dining room, Walker.
Tuesday, November 29
6:30—Summer Surveying Camp dinner, north hall, Walker.
7:30—Tech Show smoker, main hall, Walker.
Wednesday, November 30
6:00—Catholic Club dinner, north hall, Walker.
7:30—Menorah Society Meeting, Faculty dining room, Walker.
Thursday, December 1
7:30—Aeronautical Engineering Society smoker, main hall, Walker.
Friday, December 2
8:30—Class of 1923 dance, main hall, Walker.