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IN CHARGE THIS ISSUE

Fultz A. Hooper... H. W. Dexter, Jr.

MONDAY, MARCH 22, 1921

BETTER SERVICE IN THE MACHINE SHOP

Not long ago the pleasant news appeared in the columns of this paper that the Faculty was to cooperate with the students and aid in the celebration of Junior Week by scheduling all condition examinations for the first three days of the recess. There were some among us so fortunate as to have clear records for the first term behind us, and these were looking forward to a full week of vacation, undisturbed by thoughts of the grim duties of the Institute. Little did these thoughtless dreamers reckon that they might start the celebration of the festivities with two or three days in the Machine Tool Laboratory, finishing the term's work there.

It would hardly seem that the fault lay altogether with the students, nor that all had neglected their work during the term, for during the three days hardly a lathe was idle. If one of the unfortunates should be asked the reason for his short but bitter sojourn in the laboratory during the care-free days of vacation, his answer would, in a curt and definite manner, indicate that long and frequent periods of waiting at the tool room, at which he spent about one quarter of each period, were responsible for so much of his work remaining undone at the end of the term.

It is the consensus of opinion of those who took the course in Machine Tool Work in the term just past, that the tool room service is quite inadequate, and the complaints are many. If there is any justice in these complaints, steps should be taken to relieve the present assistant attendants of their present onerous duties either by replacement or by an addition to the number of attendants.

ART BROUGHT TO OUR VERY DOORS

NO longer will the Technology student have to give up his movies on Saturday night in order to satisfy his conscience by educating the musical side of his nature at Symphony Hall for the Technology Christian Association through its Social Department is supplying the students with a high grade recital. The support given to the musicale by the Dartmouth undergraduates indicates the interest that was shown at Dartmouth. With the same artists coming to the Institute to present the identical program as that given at Dartmouth, the hour which the Institute undergraduate spends at the musicale will not be wasted.

COSMOPOLITAN CLUB HAS PLANS FOR NEXT TERM

These Include Two Meetings and a Unique Dance

Two meetings and a dance have already been planned by the Cosmopolitan Club for this term. The first meeting will be a smoker on March 25, at which men from various nations will talk. The second meeting will be in the form of a supper for the student hospitality committee on April 30. A dance will be given on May 6.

The smoker on March 25 will be held in the faculty dining room of Walker and will be illustrated by lantern slides. Four members, all from different countries, will give short talks, between which it is hoped to have the Siamese twins and King, the Chinese flute player, perform. Members of the faculty will be invited, and refreshments will be served. The supper meeting on April 30 will be in the north hall and there will be outside speakers for the occasion.

The dance will be somewhat of a departure from what has been the custom of the club in the past, for

part of the Chinese play, which was given recently in Boston for the famine fund, will be given before the dancing, and probably will last about an hour.

ELECTIVE COURSE OFFERED

Professor Blanchard will give an elective course in Theories of Atomic Structure. The course will consist of six lectures Tuesday and Thursday mornings at eight o'clock, beginning Tuesday, April 5, 1921, Room 10-275.

The treatment of the subject will be elementary and essentially non-mathematical, and the course is open to all students who have completed Chemistry 501 and 502.

The topics to be given follow: 1. Faraday's Law. Electrochemical equivalents; metallic and electrolytic conduction. 2. Electrons. Cathode Rays; Alpha and beta rays of radioactive substances; X and gamma rays; methods of counting ions. 3. Atomic numbers and atomic nuclei. 4. The Planetary electrons. Bohr's and Langmuir's theories of their arrangement. 5. Langmuir's theory. Valence, cohesion, absorption, secondary valence. 6. Isotopes. Radioactive transformations.

Alumni Notes

DAVID KAUFMAN '23 ALUMNI EDITOR

REMODELS CHINESE CANAL

John R. Freeman '76, has recently returned from China, where he has been working for the Chinese government on the plans for the remodeling of the Grand Canal of China, the great Chinese artificial waterway, the first parts of which were built some 500 years before our era.

He is now working on the proposed new method of controlling the floods of the Huai river. This will reclaim thousands of acres of land for agriculture. He is also engaged in designing a method for confining the waters of the great Yellow river, the cause of much destruction in China, in a new straight narrow course. This will deepen the channel and force the river to carry its sediment out to sea, instead of depositing it at its mouth.

Mr. Freeman received his degree from the Institute in 1786 in civil engineering and was later honored by Brown and Tufts with a D. Sc. Since 1886 he has been a consulting engineer on water power and mill construction to various manufacturing companies of the country. He has been consulting engineer on the water supply of New York City and California, on the Canadian Government Conservation since 1910, and consulting engineer for the Chinese government since 1917.

Mr. Freeman is a Trustee of Technology and a Fellow of the American Academy of Arts Sciences. He was president of the American Society of Civil Engineers and chairman of the National Advisory Commission for Aeronautics during the war.

INVESTIGATE RIVER

George H. Matthes '95, engineer for the Miami Conservancy Company of Ohio, is now stationed at Chattanooga, Tennessee, as assistant engineer for the War Department in charge of an investigation of the water resources of the Tennessee river basin.

The work of Mr. Matthes will cover navigation, floods, water power, mineral resources and other features that have a great bearing on the development of the Tennessee river and the surrounding country. It will take several years to complete the investigation, which is the most comprehensive study of the kind ever undertaken on a large river in the United States.

Mr. Matthes graduated from Course I and for the past few years he has been civil and hydraulic engineer for the Miami Conservancy Company.

FRANK A. PICKERNELL '85

Frank A. Pickernell '85, a prominent member of the engineering staff of the American Telephone and Telegraph Company, died after a long illness at his home in Englewood, N. J.

Mr. Pickernell had been connected with the American Telephone and Telegraph Company since his graduation from the Institute in Course VI. He was responsible for the installation of the long distance telephone lines and for the introduction and development of the composite system of simultaneous telephony and telegraph. He was one of the first members of the American Institute of Electrical Engineers and a member of the Telephone Pioneers of America.

GIVEN FAREWELL DINNER

Gordon M. Fair '16, instructor in Sanitary Engineering at the Harvard Engineering School, was given a farewell dinner at the Colonial Club recently. Mr. Fair has resigned from the University and will soon leave for Geneva, Switzerland, to become associated with the league of Red Cross Societies. He will act as secretary of the new School of Public Health which is being organized in Switzerland.

BECOMES ENGINEER IN CHILE

Francisco Lobos '18, has become assistant engineer of steel and reinforced concrete work for the Braden Copper Company in Rancagua, Chile. Lobos was graduated from Course IV, and while at the Institute was a member of the Cosmopolitan Club and president of the Latin-American Club during his Junior year.

The Episcopal Club will form a Bible study group under the Rev. B. J. Osborne of the Cathedral Church of St. Paul shortly. The hours of meeting have not been arranged.

Why Banks are buying Short Term Notes

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ELECTORAL COMMITTEE MEETS THIS AFTERNOON

Shh! the electoral committee for Technique meets this afternoon. The word is on every lip. Something potent is in the air. Will it mean that the editor-in-chief of Technique will be elected?

Now that the members of the committee have had the undisturbed quietude of a week spent away from the noise of creaky slip sticks and have more or less seen the other side of life, that of pleasure, they will be better able to consider the merits of the candidates, Hall Kirkham and J. C. Wilson. But here is the secret, there is an apparent deadlock on these two men, PERHAPS there will be a dark horse. Who he will be is another question. Something is sure to be done, that is certain.

The members have pretty well rehearsed the merits of the above candidates and, with arrival of the telegrams in answer to those sent to Andover and Exeter, they will be better able to break the deadlock.

ENGAGEMENT ANNOUNCED

Announcement of the engagement of Mr. F. T. Willis '23 to Miss Virginia Patterson of Richmond, Virginia. The formal announcement was made last Saturday night at a dinner given in honor of the betrothed couple at the Hotel Jefferson, Richmond.

Mr. Willis has been for a number of years a prominent member of Richmond society. He prepared for Technology at Richmond College. At present, he is a sophomore in Course X. He is a member of the "Number Six Club" and a very popular undergraduate. His many friends extend their very hearty congratulations.

NOTICES for Undergraduates

SECOND YEAR COURSE VI Elements of Electrical Engineering 600

Professor Bush requests that on Monday, March 21st, all sections meet for a half hour in Room 4-270 at 1.30 p. m. Regular assignments, as posted on the second year Electrical Department bulletin board, will go into effect beginning Tuesday, March 22nd. Walter Humphreys, Registrar.

March 19, 1921.

A Course in Business Law will be given by Mr. Wrightington on Thursdays and Saturdays only at the hours assigned to General Study in Room 3-270.

Mr. Odin Roberts will give lectures in Patent Law, following Mr. Wrightington's Course, during the last two weeks of the third term on Tuesdays, Thursday and Saturday at the hours assigned to General Study in Room 3-270. WALTER HUMPHREYS, Registrar.

March 11, 1921.

The following changes have been made in room assignments for the third term:

Course XIV, Third Year Principles of Electrochemistry 880 Changed from Room 4-132 To Room 4-231

Course VIII, a Fourth Year Principles of Electrochemistry 881 Changed from Monday and Friday 11:00-12:00, Room 4-142 To Tuesday, Thursday and Saturday 10-11, Room 4-231

Walter Humphreys, Registrar.

March 19, 1921.

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