CARNEGIE FOUNDATION REPORT NOW ISSUED

Much Interest Shown in Result of Investigations Carried On.

The Carnegie Foundation has just issued its report on the efficiency of education in the United States. The report is based on a survey of 1000 schools, and it is said to be the most comprehensive study of its kind ever made. The report includes data on the size of schools, the qualifications of teachers, and the methods used in teaching. It also provides information on the effectiveness of different teaching methods and the impact of education on society.

WIRELESS SENDING STATION FOR TECH

Efforts Are Being Made to Secure the Necessary Permission.

The efforts to establish a wireless sending station at the Institute of Technology are continuing. The Institute's friends have been working hard to secure the necessary permission from the government. The station would be used for educational and research purposes, and it would provide a valuable service to the institute.

THERMAL PROPERTIES OF CONCRETE STUDIED

Professor C. L. Norton gives report in Engineering News of Results of Experiments.

The Engineering News of December 29th contains a most interesting article by Professor C. L. Norton on "Some Thermal Properties of Concrete." A series of experiments have been made at the Institute for the past three years, and work is still being done to determine the following physical properties of concrete:

1. Coefficient of linear expansion. 2. Dimension of mechanical strength after heating. 3. Specific heat. 4. Coefficient of thermal conduc-

tivity.

The values of the coefficient of linear expansion, at low temperatures, have been found to agree with the ac-
ccepted value of 0.000055 for expansion per unit of length per degree Fahrenheit, but the coefficient decreases slightly up to 575 degrees, and then drops to a small value at 1000 degrees. The coefficient of linear expansion above this value is slightly negative. A similar variation is noted in the thermal conductivity of concrete. It was found that piston or unvented concrete transmits heat twice as well as a dense mixture, and that cinder concrete is about three times more effective as a dense stone mixture in heat insulation.

ANNUAL PLANT TEST.

Beginning this morning at 8 o'clock, the seniors in the Electrical and Mechanical Engineering classes are divided into parties and will be carried on continuously. The test will be given to the best to work up on.

CALENDAR.

Tuesday, January 3. 1:30—Tuition Committee Meeting—Dean's Office.

Wednesday, January 4. 4:15—Glee Club Practice—Union. 4:15—Girls Tennis Practice—Dome. 4:15—1914 Indoor Track Team—Gym. 4:15—Sorority Indoor Track Team—Gym. 4:30—Orchestra Rehearsal—Union.

Thursday, January 5. 4:30—Basketball Practice—Gym. 5:00—Basketball Practice—Gym. 5:00—1914 Basketball Practice—Gym. 5:30—Basketball Practice—Arenakesey. 5:30—Basketball Practice—Arenakesey. 7:30—Alumni Dinner—Symphony Hall.

New Schedule of Rehearsals For Musical Clubs Announced.

At 8 o'clock P.M., on Wednesday night, the Glee Club, Vocal Quartette and Band of the Institute will give an entertainment in the Churchill House, Providence, before the Kappa Alpha Theta Society of the University. The affair is a private one, and the members of the society will be present. The entertainment will consist of songs and instrumental pieces.

An important rehearsal is to be held on Tuesday at the Union. The arrangement is such that there will be no more than one man of each party, with the exception of the mandolin players.

The Glee Club will go to Providence Wednesday night.

MEMBERS OF FACULTY IN ECONOMIC WORLD

Professor Dewey Made Managing Editor of Paper—Mrs. Rachlin Presides at Final Meeting of Institute Activities.

Professor Davis R. Dewey was appointed managing editor of a new paper, the American Review of Economics, by the Carnegie Foundation for the Advancement of Education. This paper is published quarterly and is devoted to the discussion of economic and social questions. The American Review of Economics is a successor of the "American Economic Journal," which was founded in 1890. The new paper will be edited by Professor Dewey, who is also a member of the Institute of Technology's faculty.

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TECH VS. B. C.

Second Game of Series Will Be Played Tomorrow Evening.

Tomorrow evening Boston College and Tech clash at the Gym in the second basketball game of their season. The first game was played on December 21st, and was won by Tech, with a score of 46 to 35. During the two weeks since then both teams have played games, and the next contest will show better form on both sides. The last game was the opening one of the season for each team, and neither had yet had the chance of perfecting its team work and possession. By Wednesday night, however, both sides will be in the peak of condition and the game will be a sun-bright contest. Parker and Palmer are the star shots of the Institute, and Churchwood is easily Boston College's best man.

ANNOUNCEMENT.

It is with great pleasure that we announce the engagement of Mr. Chester L. Dawes, of Arlington, Mass., to Miss Anna Deeds, a student at Rice. Mr. Dawes was a graduate of the class of 1909, of Technology, and is now an assistant in the Electrical Engineering Department at the Institute. The announcement was a great surprise to her many friends at the Institute, but it has long been expected of those who knew him closely. We extend our most hearty congratulations.

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MECHANICAL ENG.
DEPARTMENT NEWS


TWENTY-SIX MEN ASSIST.
Station Contains Four Units, Two of Compression Type and Two of Absorption Type.

Messrs. E. R. Hall and T. H. Haines, Seniors in Course II, have just completed a test on part of the Richmond Street plant of the Quincy Market Cold Storage and Warehouse Company, in connection with their theses on an Efficiency Test on a Complete Refrigerating Plant.

The system tested was the ammonia compression type, and consisted of a 200 H. P. Harris-Corliss engine, driving a 500-ton compressor of the Boyle type, a battery of four bottle condensers, brine cooling coils, brine pump of 2000-gal. capacity, the brine engine making 60 R. P. M., and the other of 500 tons capacity. The boiler plant contains in all four Stirling boilers and Foster superheaters, and has a total rating of 1200 boiler horse.

IN THE LIMELIGHT.

Bursar Hand is wearing a happy smile. Second term tuition will soon be due.

The daily whist contest was in progress in the Union yesterday as usual. The only new feature was the cap Pease wore.

Over a thousand "Techs" were sold yesterday! Why?

The time for "sore eyes" and being offered a lucrative position is at hand. Better plug!

The Union hit a great pace yesterday. All we need now is some Sorry waitresses and some appropriate music.

Andy Mack gets in another lick on the first of February.

An award of two theatre tickets will be given each week to the men contributing the most articles to this column. They should be snappy and usual. The only new feature was the column. They should be snappy and usual.

One of the professors of Berlin University told an American professor that the American attendance in foreign schools was falling off because they could get the same work at home and did not have to go abroad for it.

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dents are earnestly asked to consult
with their parents and their instruc-
tors at once in order that this pro-
visional choice may be made within the
next two weeks.
WALTER HUMPHREYS,
Registrar.

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The Tech will pay five cents for
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