

Professor Hector J. Hughes, chairman of the administrative board of the engineering school, has made the following statement:

One of the first problems which the staff of the new engineering school set itself to solve was to find an effective way of getting the new school and its students into closer relations with industrial and engineering work before they graduate. The need for such relations has been increasingly evident in the past few years. The object of such coordination is manifold: to stimulate interest in the classroom work; to keep the teaching staff well-informed of the needs of industry and how to train engineers to meet them; to give the students some intimate knowledge of the great problems of labor and industry which they have to meet after they graduate, and thus to anticipate to some extent the period of initiation which all students must go through and better to fit them to begin their careers; to give them an opportunity to discover how intricate and interesting the basic industries are and to what extent scientific knowledge may be used in work which is too frequently looked upon as non-technical; in other words, to find out how many kinds of careers are open to technically trained men and how wide is the opportunity for such men. Another object of the new plan is to stimulate the interest of the industries themselves in the adaptation to their special needs of education in engineering.

The most promising solution of this problem seemed to the staff to lie along the lines of the highly developed and successful plan of industrial cooperation which was initiated by Dean Schneider at the University of Cincinnati and has been carried on there so successfully for many years, and has been applied in a modified form at the University of Pittsburgh also. This plan has been modified still further to meet the different conditions and needs at Harvard. It is significant that other universities are now moving in the same direction, and within only a few days a large movement has been inaugurated to put such a plan ultimately into effect in most of the large technical schools.

After a thorough study of the situation, the staff came to the conclusion that it would be highly desirable to offer our students an opportunity to get some industrial experience and engineering practise while undergraduates but without sacrifice of classroom instruction and without depriving them of the many advantages which attach to residence and study under teachers interested in other subjects

than science, and among students of widely differing interests. In other words, we feel that our students should have as many as possible of the benefits which we know will come from connection with the college, while they are at the same time carrying on their engineering studies. For this reason, and because it does not seem desirable to lengthen the period required for a first degree beyond four years, we shall be limited at the outset to less industrial experience than perhaps would be desirable. The amount offered, however, should be looked upon as a minimum and we have no doubt that many of our students will be glad to avail themselves of the opportunity to take more of this work after the plan is in operation.

Mr. H. V. Drufner, of the University of Cincinnati, has been secured to take active charge of the technical work of putting the new plan into operation.

THE FOREST CLUB CONVENTION IN NEW HAVEN

THE fourth annual convention of the Intercollegiate Association of Forestry Clubs was held in New Haven on Friday and Saturday, February 27-28, under the auspices of Yale, the present president club. There were twelve delegates present of whom two were from the Pacific coast. The meeting was in every way a distinct success and the sessions were well attended. Owing to the number of Yale alumni present the occasion partook of the nature of a reunion.

Among the business transacted at the meeting was the adoption of insignia for the association, the provision for a quarterly publication to be issued by the president club, and the election of the University of California as president for the coming year. The next convention will accordingly be held in Berkeley.

The following is the list of speakers and the subjects of their papers:

February 27

- The profession of forestry:* PROFESSOR H. H. CHAPMAN, New Haven, Conn.
How can the forester help the lumberman? T. L. BRISTOL, Ansonia, Conn.
The work of the consulting forester: J. T. ROTHERY, New York City.

Speakers at the Banquet

Dean Toumey, Colonel Woolsey, Major Marston, E. C. Hirst and Mr. Rogers, of the Indian Forest Service.

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The undergraduate student of forestry: J. H. BRISCOE, Orono, Maine.

The student of forestry and state service: E. C. HIRST, Concord, N. H.

The student of forestry and research: S. T. DANA, Washington, D. C.

MEETING OF THE INTERNATIONAL EUGENICS CONGRESS IN NEW YORK CITY

THE National Research Council has appointed a committee on eugenics, under the division of biology and agriculture, consisting of the following members: L. F. Barker, A. G. Bell, E. A. Hooton, Daniel W. LaRue, Stewart Paton, Raymond Pearl, R. M. Yerkes, H. S. Jennings and C. B. Davenport, chairman. The committee met on March 20 and voted to hold the Second International Eugenics Congress in New York City, September 22 to September 28, 1921, inclusive. The invitation of the American Museum of Natural History to hold the meetings of the Congress was gratefully accepted. Dr. Alexander Graham Bell was elected honorary president and Dr. Henry F. Osborn, president. Madison Grant is treasurer and Mrs. Sybil Gotto, secretary of the Eugenics Education Society, in view of her activity in organizing the First Eugenics Congress, was named as honorary secretary of the Second Eugenics Congress. The nucleus of a general committee for the Second International Congress was elected. This general committee is to meet in New York on Saturday, April 10. To this general committee are entrusted the details of organizing the congress, of arranging the program of the meeting, of providing for the entertainment of guests and the raising the necessary funds. The national consultative eugenics bodies in the various allied and associated countries will be informed of the action of the eugenics committee of the National Research Council and invited to send representatives. A general invitation will be sent to universities in

different American countries and in various countries of Europe.

SCIENTIFIC NOTES AND NEWS

THE American Institute of Electrical Engineers will confer the Edison Medal, awarded each year for the most noteworthy advance in electrical engineering, on Mr. William Leroy Emmet, consulting engineer of the General Electric Company, for his work on the electric propulsion of ships.

DR. E. W. BROWN, professor of mathematics in Yale University, received the Bruce Medal of the Astronomical Society of the Pacific, at a meeting in San Francisco on March 26.

THE University of Dublin has conferred the degree of doctor of science on Professor R. A. Millikan, of the University of Chicago.

DR. J. M. T. FINNEY, Johns Hopkins University, and Dr. Charles H. Mayo, Rochester, Minn., have been elected honorary fellows of the Royal College of Surgeons. It is hoped that they may be able to attend the meeting of the council in July for the presentation of diplomas.

SIR JAMES DEWAR has been elected a corresponding member of the French Academy of Sciences in the section of general physics in succession to the late Professor P. Blaserna.

PROFESSOR HORACE LAMB, Sir Thomas L. Heath, Professor W. H. Bragg and Dr. Henry Head have been elected honorary fellows of Trinity College, Cambridge.

DR. BRADFORD KNAPP, chief of extension work in the South, States Relations Service, U. S. Department of Agriculture, since 1911, has been appointed dean of the college of agriculture, of the University of Arkansas and director of the experimental station, and chief of the department of rural economics. Martin Nelson has been appointed vice-dean and vice-director and chief of the department of agronomy.

DR. J. STANLEY GARDINER, F.R.S., professor of zoology in the University of Cambridge, has, at the request of the deputy minister of fisheries, undertaken temporarily the direction of