

time lord president of the privy council, received a deputation of the board of scientific societies on December 1 last, at which he outlined the policy of the government in regard to industrial research. He announced their intention to ask parliament to place a large fund—a million sterling—at the disposal of the department to enable it to cooperate with the industries of the country in the foundation and maintenance of approved associations for research during the next five years or so. After these initial years it is expected that the larger industries, at any rate, will be able and willing to carry on the work of the associations without assistance. The intention of the government is to make a contribution to the assured income of such associations from the subscriptions of their members, varying in amount according to circumstances, and with a normal maximum of pound for pound, though in very exceptional cases this limit may be exceeded. Lord Crewe also announced that the board of inland revenue would be prepared to instruct surveyors of taxes to allow as a working expense for income-tax purposes the contributions by traders to industrial associations formed for the purpose of scientific research for the benefit of the various trades. The allowance would be subject to certain conditions; that is to say, the association must be under government supervision and the trader's contribution must be "an out and out payment, made from his trade profits and giving him no proprietary interest in the property of the association." Since this decision includes war profits and excess profits taxes, it offers a considerable inducement to firms affected by these taxes to act promptly.

A TRIBUTE TO PROFESSOR CHURCH

THE College of Civil Engineering of Cornell University paid a tribute of affection and respect to the emeritus professor of applied mechanics and hydraulics, Irving Porter Church, '73, on November 9. Alumni of the college presented to the university a portrait of Professor Church and the sum of \$2,500 in Liberty Bonds to form the Irving P. Church Fund, the income of which is to be devoted to the purchase of additions to the library of the college.

According to the *Cornell Alumni News*, a simple ceremony of presentation took place at noon in the auditorium of Goldwin Smith Hall. Among the persons assembled were Mr. White and Professors Law, Hewett, Com-

stock, and Gage—men whose terms of service in the faculty are comparable in length to that of Professor Church; Mrs. Crandall; the members of the faculty of civil engineering, and a number of other professors.

On the rostrum, veiled, was the portrait lately completed by J. Campbell Phillips. Dean Haskell expressed the pleasure of the faculty of civil engineering in taking part in this tribute to a beloved teacher, and introduced William D. Kelley, '80, the representative of the alumni committee which the Cornell Society of Civil Engineers had appointed to provide the double memorial. Mr. Kelley gracefully expressed the affection of the old students for Professor Church and their sense of his great services to the college and to engineering science during so many years. The contributions to this testimonial, he said, had come from Cornell engineers in all parts of the world. He unveiled the portrait and presented it to the university. Then he took from his pocket the Liberty Bonds constituting the Church Fund and handed them to President Schurman.

The President accepted the gifts in behalf of the university. He congratulated the alumni of the College of Civil Engineering on the value of their testimonial and still more on the propriety of their gift. What other offering, he asked, could be more grateful to a teacher than this double memorial? The whole university, he said, would be forever in debt to Professor Church's character and scholarship.

Everybody arose as Professor Church advanced to the front of the platform. He apologized for his presence there. What need for him to talk, he said, when a speaking likeness was there to represent him. He accepted gratefully the tribute of his old students, and spoke for a few minutes of his reminiscences of the forty-eight years he had spent at Cornell.

The board of trustees next day adopted this resolution: "First, that the communication of Mr. F. W. Scheidenhelm, chairman of the committee, be spread on the minutes of this board; secondly, that the sincere

thanks of the Trustees be tendered to the committee in charge and to all the Cornell men who have contributed to the gift for this admirable and appropriate tribute to Professor Church; and, thirdly, that it be referred to the dean of the college of civil engineering to hang the portrait in a suitable place."

SCIENTIFIC NOTES AND NEWS

DR. FRANKLIN P. MALL, professor of anatomy in the Johns Hopkins University and director of the department of embryology of the Carnegie Institution of Washington, died in Baltimore on November 17.

THE anniversary address of the New York Academy of Medicine was delivered on November 15 by Dr. Henry Fairfield Osborn, L.L.D., president of the American Museum of Natural History, on "The origin and nature of life."

At its meeting held November 14 the Rumford Committee of the American Academy of Arts and Sciences voted the following appropriations: To Professor Raymond T. Birge, of Syracuse University, \$150 in aid of his research on the Structure of Series Spectra; to Professor Theodore W. Richards, of Harvard University, \$250 in aid of the publication of Marie's Tables of Physico-Chemical Data; to Professor Ancel St. John, \$500 for the purchase of a refrigerating machine and accessories to be the property of the committee and loaned to Dr. St. John for use in connection with his researches on crystal structure by means of X-Rays.

PROFESSOR J. F. KEMP, for many years head of the department of geology in Columbia University, has become associated temporarily with the firm of Hager Bates and Lewis of Tulsa, Oklahoma, during the absence of Whitney Lewis in France.

GUSTAVE R. TUSKA, consulting engineer, New York City, formerly chief engineer of the Panama Railroad Company and lecturer in engineering at Columbia University, has

been commissioned as major in the Engineer Section of the Officers' Reserve Corps of the United States Army.

MAJOR JOHN M. T. FINNEY, M. R. C., U. S. Army, has been appointed director of general surgery with the American Expeditionary Forces in France; Major Hugh H. Young, M. R. C., director of venereal skin and genito-urinary surgery, and Lieutenant-Colonel Joseph Eiler, M. C., U. S. Army, director of the laboratory service.

It is announced that Dr. Hugh Cabot of British Base Hospital No. 22 has been made lieutenant colonel of the Royal English Medical Corps. He has succeeded Lieutenant-Colonel Sir Allan Perry as commanding officer of the hospital. This is in addition to being chief surgeon, which position he has held for some months.

DR. A. B. CORDLEY, dean of agriculture and director of the Oregon Experiment Station, has been elected chairman of the State Lime Committee, authorized by the state legislature to build and operate a state-owned lime plant for providing cheap agricultural lime.

DR. CAROLINE RUMBOLD, formerly collaborator in forest pathology, Bureau of Plant Industry, has been appointed assistant pathologist in the Office of Sugar Plant Investigations, Bureau of Plant Industry.

THE sulphur committee of the War Industries Board has recently visited Texas. The committee consists of J. Parke Channing, J. W. Malcolmson, A. B. W. Hodges, P. S. Smith, of the U. S. Geological Survey, and W. O. Hotchkiss of the University of Wisconsin.

THE course of popular scientific lectures of the California Academy of Sciences, Golden Gate Park, is being continued on Sunday afternoons in the Auditorium of the Museum in Golden Gate Park, as follows:

November 18. Professor G. A. Louderback, geology department, University of California, "A geological expedition into the interior of China." (Illustrated.)

November 25. Professor E. C. Franklin, chem-