

Such a board would naturally administer the scheme of the Privy Council committee, as well as take over certain functions of existing departments and boards.

The functions of the board would be much the same as regards the promotion of scientific and industrial research and training, the co-operation of universities with industries through trade associations, and the maintenance of a record of scientific and technical experts, as outlined in the report on "British Trade after the War," by a subcommittee of the Board of Trade.

II. In all departments of state in which scientific work is carried on, adequate provision should be made for the periodical publication and wide distribution of bulletins, leaflets and reports, so that increased public interest and attention may be encouraged in the results.

III. Every industrial undertaking, subsidized or otherwise assisted by the state, should have upon its board of directors men who possess expert scientific knowledge of the business in which they are engaged.

IV. In order to develop industries which especially require the services of scientific workers, adequate remuneration and improved prospects should be offered by the government, by municipal corporations, and by manufacturers to men who have received an effective scientific training. Means should be found of compensating and rewarding persons whose researches have proved of decided national or public advantage without being profitable to themselves.

V. A knowledge of science should be regarded as an essential qualification for future appointments in the departments of the public service concerned with industrial, scientific and technical developments. The Royal Commission on the Civil Service recommended in 1914 that a committee should be appointed to consider the present syllabus of subjects of examination for clerkships (Class I.). This committee should be constituted without delay, and science as well as other branches of modern learning should be adequately represented upon it, and upon the Civil Service Commission itself.

VI. Measures should be taken to revise the educational courses now followed in the public schools and the universities of Oxford and Cambridge.

VII. In elementary and secondary schools

supervised by the Board of Education, more attention should be given to scientific method, observation and experiment, and to educational handwork.

NEW YORK MEETING OF THE AMERICAN CHEMICAL SOCIETY

OFFICIAL announcement of the meeting of the American Chemical Society, to be held in New York September 25 to 30, in conjunction with the Second National Exposition of Chemical Industries, was issued to the members by Dr. Charles L. Parsons, secretary, on August 15. Dr. Charles H. Herty, of the University of North Carolina, president of the American Chemical Society, will open the exposition on Monday, September 25, at 2 o'clock in the afternoon, with an address reviewing the history of chemistry and the chemical industries in this country, and outlining developments since the outbreak of war in Europe. The presidents of cooperating societies, such as the American Electrochemical Society, the American Institute of Mining Engineers, and the American Paper and Pulp Association, will follow Dr. Herty with speeches of welcome and reviewing the progress made in the industries represented by them.

The first general session of the American Chemical Society will open at Columbia University on Tuesday morning, September 26, and arrangements are being perfected for a public meeting in the large hall of the College of the City of New York on Tuesday afternoon, when addresses will be made of general public interest pertaining to the interesting developments in the field of applied chemistry during recent years.

The program of the week's meetings will provide for general conferences on subjects in which the chemists of the country are now interested, and it is intended that the lecture hall of the Grand Central Palace and Rumford Hall in the Chemists' Club building will be occupied each afternoon at the same time by one or other of the different divisions of the society for the discussion of such industrial topics as the production of dyestuffs, medicinal chemicals, industrial alcohol, the manufacture

of paper pulp and by-products, oils and motor fuels, glassware and porcelain, steel alloy metals, new developments in chemical industries, etc.

On Wednesday and Thursday mornings a general symposium on colloids will be held, theoretical considerations being discussed on the first day and the industrial applications of colloid chemistry on the second day.

The American Electrochemical Society has planned a series of interesting meetings. The electrochemical group will open its meeting later in the week, on Thursday, September 28, with a technical session devoted to a review of American progress in the electrochemical industry. A complimentary smoker will be held on Thursday evening, and on Friday evening there will be a joint banquet at the Waldorf-Astoria of the members of the American Chemical Society, the American Electrochemical Society, and the Technical Association of the Pulp and Paper Industry.

SCIENTIFIC NOTES AND NEWS

THE funeral of Sir William Ramsay took place at Hazlemere, High Wycombe, on Wednesday, July 26, in the presence of representatives of the Royal Society, the Chemical Society, University College, London, and many other societies and institutions.

GENERAL WILLIAM C. GORGAS, U. S. A., head of the yellow fever commission of the International Health Board of the Rockefeller Foundation, arrived at Bogota, Colombia, from Panama, on August 9. General Gorgas will consult with the Colombian government on sanitary conditions of ports in that country.

PART of the Canadian Arctic expedition, which is led by Vilhjalmur Stefansson, has returned to Nome, Alaska, after spending three years in investigations on the north coast of Canada. Dr. Anderson, of the southern party, reports that Stefansson may not return until some time in 1918. He planned to start from winter quarters in May last to continue his explorations of the new land west of Prince Patrick Island.

THE Astley Cooper prize for the present year, for a treatise on "The Physiology and

Pathology of the Pituitary Body," has been awarded to Dr. W. Blair Bell, of Liverpool.

MR. JAMES MOONEY, of the Bureau of American Ethnology has been in North Carolina to continue his researches among the Cherokee Indians.

DR. LEO J. FRACHTENBERG, who has been in the field for the Bureau of American Ethnology for the past year, has changed his headquarters to Portland, Oregon.

MR. C. B. WILLIAMS has been appointed by the Board of Agriculture, Trinidad, to study the parasites of the sugar-cane froghopper in that island.

M. C. WHITAKER, professor of chemical engineering, Columbia University, has been granted leave of absence for the first term of the academic year, 1916-17.

PROFESSOR W. S. MILLER, of the department of anatomy at the University of Wisconsin, has been giving a series of illustrated lectures before the Robert Koch Society for the Study of Tuberculosis, at Chicago, on "The Lymphatics and Lymphoid Tissue of the Lung and their Relation to Disease Processes," and an illustrated lecture before the Cincinnati Research Society on "The Anatomy of the Lungs with special reference to the Lymphatics."

THE Eugenics Education Society of Chicago holds its meetings once a month. Special speakers at these meetings during the current year have been Professor James A. Field, Professor John M. Coulter, Professor Frank R. Lillie, Professor Frederick Starr, Dr. Albert J. Ochsner, Alexander Johnson and Professor Judson Herrick.

WE learn from *Nature* that on Wednesday, July 26, the memorial to Sir William White, promoted by the Institution of Naval Architects, was formally handed over to the council of the Institution of Civil Engineers. The presentation was made by Admiral Sir Reginald Custance and Earl Brassey, who stated that £3,000 had been collected. The money is to be allotted to the foundation of a research scholarship fund, the provision of a memorial medallion to be placed in the hall of