

the Central Hall. The several sections of the Congress are concerned with various phases of chemical engineering, as follows: (a) ferrous metals in chemical plant construction; (b) refractories, rubber, plastics, and other materials in chemical plant construction; (c) separation; (d) size reduction, grading and mixing; electrolysis, etc.; (e) destructive distillation; (f) treatment and disposal of effluents and waste materials; lubrication; (g) high-pressure reactions and high vacua; (h) heat exchange; (j) education and training; (k) statistics; administration; safety and welfare; (l) trend of development; (m) general aspects. Papers are being presented from Great Britain, Holland, the United States of America, Canada, Japan, Sweden, Austria, Germany, Poland, Russia, Denmark, Hungary and Switzerland; about one hundred and twenty titles are given in the provisional time table. The president is Viscount Leverhulme. Chairmen of committees are as follows: organising, Sir David Milne-Watson; technical, Mr. W. A. S. Calder; hospitality, Sir Alexander Gibb; finance, Mr. J. Davidson Pratt; publicity, Dr. E. W. Smith. The general secretary is Mr. M. W. Burt, and the international secretary is Mr. C. H. Gray. Communications from Great Britain should be addressed to the Congress Office, 56 Victoria Street, London, S.W.1, and those from other countries should be addressed to the Office of the International Secretary, 36 Kingsway, London, W.C.2. Further announcements will be made in due course.

Tracing the Dawn of Life

IN 1917, there was inaugurated at the Cawthron Institute of Scientific Research, Nelson, New Zealand, an annual lecture to commemorate the generosity and foresight of the founder of the Institute, Thomas Cawthron. Each year since then, with the exception of 1931, the Cawthron Lecture has given a distinguished investigator an opportunity of setting before the public the results of progress in some particular branch of knowledge. The lecturer of 1935 was Dr. R. J. Tillyard, his subject "Tracing the Dawn of Life Further Backwards". In following the conditions of life in geological epochs from the present to the earliest times, he discussed briefly the outstanding products of each age. The climax of his story was the statement that in Pre-Cambrian rocks, belonging to the Middle Proterozoic series of Tree Gully near Adelaide, the late Prof. David and he had discovered remains which he had described (in a paper shortly to be published) as belonging to a new class of Arthropods, differing from all other arthropods in having the segments of the head freely articulated.

The Warburg Institute

IN May 1934 the Warburg Society was formed with the object of establishing the Warburg Institute, formerly of Hamburg, in England. The first annual report since this movement took place shows that the transference has been successfully accomplished, and that in its new rooms in Thames House, London, the Institute has been able to resume most of its old activities and to feel its way towards new ones. The

Institute has three links with the public—its library, its series of lectures, and its publications. The transference of the first was completed on June 28, 1934, and since then the number of serious and research readers has steadily increased. Several lecture courses on various aspects of the history of art were given by English, German and French scholars, including a three-weeks' course on palaeography by Prof. R. Salomon of Hamburg. The report makes grateful acknowledgment of the help given by English patrons.

Congress of Refrigeration

THE seventh International Congress of Refrigeration will be held at The Hague and Amsterdam on June 16–27. The Congress will be divided into four sections: (1) Scientific (physics, chemistry, thermodynamics, units, biology and medicine); (2) Refrigerating Machines and Materials (air-conditioning, insulating materials, refrigerating plants and testing methods); (3) General Applications of Refrigeration (food and perishable products, agricultural industries, ice industries, chemical and rare gas industries, low temperatures); (4) Refrigerated Transport, etc. (land and water transport, legislation, education and propaganda, general economics and statistics). Among the visits arranged is one to the Kamerlingh Onnes Laboratory at Leyden, where lectures and demonstrations of cryogenic work will be given by Prof. H. W. Keesom and Prof. W. J. de Haas. Further information can be obtained from the Organisation Office, 107 Stolbergloan, The Hague.

Announcements

THE following medals will be awarded at the annual corporate meeting of the Institution of Chemical Engineers on March 6: Moulton Medal, for the paper on "The Evaporation of Water from Plane and Cylindrical Surfaces", to R. W. Powell and Dr. Ezer Griffiths; Osborne Reynolds Medal, for meritorious service in the advancement of the Institution, to F. A. Greene; and the William Macnab Medal (first award), for the best set of answers submitted in the associate-membership examination in 1935, to D. K. Moore.

LORD RAYLEIGH has been elected chairman of the governing body of the Imperial College of Science and Technology in succession to the Marquess of Linlithgow, who has resigned on taking up his appointment as Viceroy of India.

AT a meeting of the executive of the Parliamentary Science Committee held on February 6 at the House of Commons, under the chairmanship of Sir Arnold Wilson, Mr. Alan Chorlton, M.P. for Bury, was re-elected deputy-chairman of the Committee; and Lord Melchett, Prof. Graham Kerr and Mr. Andrew McLaren were elected as additional parliamentary members of the executive.

AT a recent meeting, the Council of the Royal Asiatic Society conferred honorary membership upon Prof. Georges Cœdès, of the Ecole Française

D'Extrême Orient, Hanoi, French Indo-China, in recognition of his eminent services to the history, epigraphy and geography of the Malay Peninsula and the Far East; and upon Prof. H. E. Winlock, director of the Metropolitan Museum of Art, New York City, for his distinguished services in the cause of Egyptology.

THE following appointments have recently been made by the Secretary of State for the Colonies: J. H. Gisborne, to be superintendent of agriculture, Nigeria; Miss A. N. Smith, to be curator, Peace Memorial Museum, Zanzibar; L. Starbuck, to be professional assistant, Royal Observatory, Hong-Kong; D. S. Davies (agricultural officer), to be senior agricultural officer, Uganda; Major C. D. V. Georgi (assistant agricultural chemist), to be chemist, Research Branch, Agricultural Department, Straits Settlements and Federated Malay States; G. J. Williams (field geologist, British Guiana), to be assistant geologist, Tanganyika.

A GERMAN Society for Researches in Nutrition was inaugurated on December 16 at the Public Health Office of the Reich in Berlin.

THE work entitled "The Geology of the Argentine" by the recently deceased German geologist Anselm Windhausen, professor of geology at Cordoba, has been awarded the second prize for the best scientific and literary work in the Argentine Republic for the years 1931-32.

THE German Society for Balneology and Climatology will hold its annual meeting at Munich on March 16-17, when the three principal subjects for discussion will be: (1) the south wind in its meteorological and bioclimatic aspects; (2) recent investigations on water and their physiological importance; (3) spa treatment of catarrh and asthma.

THE German Röntgen Congress will be held at Wiesbaden on March 26-28. The meetings on the first day will be held in conjunction with the German Society for Internal Medicine. Further information can be obtained from Prof. Dr. Dietlen, Landeskrankenhaus, Saarfalz, Hamburg.

THE Soviet Government has decided to organise a special Institute for Experimental Physiology and Therapeutics at Pirogoff municipal hospital, and has set aside 500,000 roubles for its equipment. Physiologists, biochemists and other scientific workers will take part in the work at the new institute.

WE are asked by the Trustees of the Percy Sladen Memorial Fund to announce that almost the whole of the income of the Fund for this year and next is already pledged. A small sum has been reserved to meet urgent cases, but no application for any large sum can be considered for at least another eighteen months.

THE position of virus physiologist at the Rothamsted Experimental Station rendered vacant by the appointment of Dr. John Caldwell as lecturer in botany at the University College, Exeter, is to be

filled by Mr. F. C. Bawden, research assistant at the Potato Virus Research Station, School of Agriculture, Cambridge. Mr. Bawden graduated at Cambridge, where he was elected a college scholar at Emmanuel College. He was trained in plant pathology under Mr. F. T. Brooks, and since June 1930 has worked at virus disease in plants under Dr. R. N. Salaman at the Potato Virus Research Station, Cambridge.

THE Institute of Metals is arranging a special meeting on March 10, in connexion with the Institute's annual general meeting, to discuss the subject of "Metallic Wear". The discussion will be opened by Dr. H. W. Brownsdon. Members of other institutions, including the Institution of Mechanical Engineers, the Institution of Naval Architects, the Institution of Automobile Engineers, the Iron and Steel Institute and the Royal Aeronautical Society, have been invited to take part in the discussion. Cards of invitation may be obtained from Mr. G. Shaw Scott, Secretary, The Institute of Metals, 36 Victoria Street, London, S.W.1.

ERRATUM.—The eleventh Annual Conference of the Electrical Association for Women will be held on May 13-15, not March 13-15 as announced in NATURE of February 1, p. 184.

APPLICATIONS are invited for the following appointments, on or before the dates mentioned:

A metallurgist to the British Non-Ferrous Metals Research Association—The Secretary, Regnart Buildings, Euston Street, N.W.1 (Feb. 17).

A teacher of engineering in Norwich Technical College—The Director of Education, 41 St. Giles Street, Norwich (Feb. 17).

A civilian technical officer (thermodynamics) in the Department of Scientific Research and Experiment, Admiralty—The Secretary of the Admiralty (C.E. Branch), Whitehall, London, S.W.1 (Feb. 21).

Assistants (Grades I, II and III) in chemistry at the Royal Aircraft Establishment, South Farnborough, Hants—The Chief Superintendent (Feb. 22).

A tutor and lecturer (woman) in hygiene and methods of teaching biology, and a tutor and lecturer (man or woman) in methods of teaching mathematics in the Institute of Education, Southampton Row, W.C.1—The Secretary (Feb. 26).

A lecturer in the Engineering Department, Leicester College of Technology—The Registrar (Feb. 29).

A Grade II (c) lecturer in mechanical engineering in the University of Birmingham—The Secretary (March 2).

A woman lecturer in geography and nature study in the Glamorgan Training College, Barry—The Director of Education, County Hall, Cardiff (March 2).

A vice-principal of the Blackpool Technical College—The Director of Education, Education Office, 51 Cookson Street, Blackpool.

Chemists for the R.N. Cordite Factory—The Secretary of the Admiralty (C.E. Branch), London, S.W.1.