

density and temperature in fluids. An earlier interest in colour vision became dominant after about 1930 and culminated in two ingenious theoretical papers (*Phil. Mag.*, 1943 and 1946); but during the same period Shaxby was also much occupied with the physiology of hearing, and in particular with phenomena at the threshold of audition, and with the binaural localization of sounds. During 1932-35 he undertook long-range reception of gun-fire noises for the Air Ministry, and in 1937 he became interested in geomagnetic surveying, for which he invented a device for varying the sensitivity of the magnetometer.

This sketch by no means exhausts Shaxby's many interests even in the field of science. As a man, he was a most lovable and loyal colleague with whom it was a pleasure and a privilege to work.

T. GRAHAM BROWN

WE regret to announce the following deaths:

Dr. S. C. Bradford, until 1938 chief librarian of the Science Library, South Kensington, and founder, with the late Prof. A. F. C. Pollard, of the British Society for International Bibliography, on November 13, aged seventy.

Mr. R. Elmhirst, director of the Scottish Marine Biological Laboratory at Millport, whose forthcoming retirement was announced in *Nature* of October 30, p. 688, on November 13, aged sixty-four.

Prof. Karel Kavina, director of the Botanical Institute of the Prague Technical University for many years and known for his "Atlas of Fungi" (1927), a second enlarged edition of which appeared this year, aged fifty-eight.

Mr. E. Platt, geologist and leader of the Falkland Islands Dependencies Survey at Admiralty Bay, King George Island, South Shetlands, on November 9.

NEWS and VIEWS

Royal Society: Medal Awards

H.M. THE KING has been graciously pleased to approve the following recommendations made by the Council of the Royal Society for the award of the two Royal Medals for 1948:

Prof. Harold Jeffreys, for his distinguished work in geophysics and his important contributions to the astronomy of the solar system;

Prof. James Gray, for his distinguished researches in cytology, ciliary movement and particularly his anatomical and experimental studies of animal posture and locomotion.

The following awards of medals have been made by the president and council of the Royal Society:

Copley Medal to Prof. A. V. Hill, for his distinguished researches on myothermal problems and on biophysical phenomena in nerve and other tissues.

Rumford Medal to Prof. F. E. Simon, for his outstanding contributions to the attainment of low temperatures and to the study of the properties of substances at temperatures near the absolute zero.

Davy Medal to Prof. E. L. Hirst, for his outstanding work in the determination of the structure of sugars, starches, plant gums and especially of vitamin C.

Darwin Medal to Prof. R. A. Fisher, for his distinguished contributions to the theory of natural selection, the concept of the gene complex and the evolution of dominance.

Hughes Medal to Sir Robert Watson-Watt, for his distinguished work in atmospheric physics and in the development of radar.

British Astronomical Association:

Dr. J. G. Porter

MR. F. M. HOLBORN retired from the presidency of the British Astronomical Association on October 27 and was succeeded by Dr. J. G. Porter. Dr. Porter is well known in astronomical circles, not only in connexion with his broadcast talks, but also for his work for the Computing Section of the Association, of which he has been director for many years. He has also carried out investigations on the speeds of meteors and has shown that these bodies are members of the solar system, none of the cases that he has dealt with showing hyperbolic velocities; this

would seem to dispose of the results of the Harvard College Observatory Expedition to Arizona some sixteen years ago.

Los Angeles State and County Arboretum:

Dr. Frans Verdoorn

DR. FRANS VERDOORN, managing editor of *Chronica Botanica*, has been appointed director of the Los Angeles State and County Arboretum at Arcadia, California. He will assume the directorship of this new arboretum in the immediate future. It is planned to develop a modern arboretum and botanical garden at Arcadia with various educational and research departments. Dr. Verdoorn will continue to edit *Chronica Botanica* and other journals. Some of these will be published in the future by the Los Angeles State and County Arboretum, while others will be transferred to a commercial publisher.

Dr. Verdoorn, a native of the Netherlands, went to the United States in 1940. Formerly known for his work in cryptogamic botany, he has lately been occupied chiefly with historical studies and international relations work. He was an assistant at the Buitenzorg Botanic Gardens, Java, in the 1930's and has been a research fellow at Harvard University since 1940. During the war years he did much work on Latin America and South East Asia for various government agencies. He received the first Mary Soper Pope Medal in 1946, and has just been appointed chairman of the International Phytohistorical Committee.

Control of Nationalized Industries

IN an address on "The Consumer in Relation to Non-Competitive Industry", delivered at the fifty-second Oxford Management Conference of the British Institute of Management held at Scarborough on October 16, Mr. Herbert Morrison said that increasing use of economists is being made in the work of government; but his address was chiefly concerned with the administrative policy pursued to protect the consumer in industries where full competition does not operate—a field which is not coterminous with that of public ownership. While under the competitive system the threat of withdrawal of custom could be a spur to efficiency, the corresponding safeguard with socialized industries should be their sensitiveness to

public complaint. The consumer, he said, is entitled to demand that such industries avoid extravagant administration, attain a high degree of efficiency, pass to the consumer a substantial share of the results of higher productivity and have sufficient regard to the legitimate wishes of the consumer in matters of quality and variety.

Most of Mr. Morrison's address was devoted to an outline of the general organisation of the various public boards controlling certain industries in Britain, in which he stressed particularly the safeguards provided for the interest of the consumer. We have to rely on the various boards, Mr. Morrison said, to hold the balance fairly between consumer and worker, and he concluded that the consumer would be primarily dependent for a fair and reasonable level of price on the efficiency of the boards and their ability to keep both management and workers 'on their toes'. Such public boards should provide a reasonable safeguard against gross discrimination between consumers, but the address contained little evidence that the conditions Mr. Morrison specified are, in fact, being observed. It cannot now be seriously contended that even the Post Office passes on to the public the advantages in speed and efficiency which technical improvements have made possible, and the difficulties experienced in raising questions in the House of Commons regarding the public boards suggests that new means must be sought of making them sensitive to public opinion.

Australian Council for Scientific and Industrial Research

DESPITE grave misrepresentation of its motives, the Executive Committee of the Australian Council for Scientific and Industrial Research appears to have convinced the Commonwealth Government that scientific work for war purposes should be conducted under the Ministry of Supply or the Ministry of Defence rather than under the Council. The contention is that the conditions of secrecy and military security essential nowadays for war-work will require an atmosphere in which the normal activities of the Council on behalf of primary and secondary industry simply cannot flourish. The Council has for twenty-two years operated under an Act, originated by Viscount Bruce, giving it a high degree of freedom and independence; for many reasons it is believed that, in existing conditions, the two contrasting lines of work cannot be effectively controlled by the one body.

In providing for the transfer to another Commonwealth agency, under public service board control, of the small amount of work bearing on defence at present conducted in the laboratories of the Council for Scientific and Industrial Research, a Bill now before Parliament unfortunately goes further and opens the way for subjecting any or all of the Council's activities to public service board procedure and regulations. Strong exception is being taken by scientific men and societies in Australia to this action, which is regarded as a serious threat to the spirit and successful working which have characterized the Council for Scientific and Industrial Research in the past.

Australian Journal of Scientific Research

A NEW periodical of high standard, the *Australian Journal of Scientific Research*, has recently been launched by the Australian Council of Scientific and Industrial Research, Melbourne, in collaboration

with the Australian National Research Council (see *Nature*, August 7, 1948, p. 210). It is being issued quarterly in two series, Series A (Physical Sciences) and Series B (Biological Sciences), the price of each being 7s. 6d. The editor and chairman of the editorial board is Dr. N. S. Noble, and the other members of the board are Profs. W. J. Dakin, E. J. Hartung, L. H. Martin and J. G. Wood.

The first number (March 1948) of Series A contains seven papers on physical, chemical, metallurgical and meteorological subjects, indicating the variety of researches undertaken or sponsored by the Australian Council of Scientific and Industrial Research. These include: an analytical treatment, by G. H. Godfrey, of the distribution of light intensity in the Fraunhofer diffraction pattern of continuous light sources, in which attention is directed to certain diffraction effects which have not been previously recorded but which are in agreement with the theory; a study, by V. D. Hopper and A. M. Grant, of the effect of a horizontal wall on the motion of oil drops, of radii 5–15 μ , falling in air, in order that the corrections to be applied in the precise determination of the electronic charge by the oil-drop method may be accurately made; observations on a strong variable source of radio frequency energy in the constellation of Cygnus; a microscopic and X-ray examination of the deformation or recrystallization of a duplex brass; and the testing of molecular layers of the silicones on various metal surfaces for their boundary lubricating properties.

German Scientific and Technical Periodicals

THE Foreign Office of Great Britain has recently compiled a list of more than three hundred German scientific and technical periodicals which have resumed publication. The list is divided into the following sections: agriculture and forestry; mathematics, physics and chemistry; medicine; natural science; and technology and industry. Very short notes, including the price where listed, are given with each periodical. Inquiries regarding the list should be made to the Foreign Office (German Section), Room 211, King Charles Street, London, S.W.1.

Financial Aid for Delegates at Conferences

THE British Council has a small fund for the assistance of overseas delegates wishing to attend national or international conferences held in the United Kingdom on scientific subjects including agriculture, engineering and medicine. Except in special circumstances, fares to and from the United Kingdom will not be paid, and the grants are mainly designed to cover subsistence of the delegate for the duration of the conference up to a period of two weeks. Conveners of conferences to be held during the period April 1, 1949–March 31, 1950, should apply to the Director, Visitors Department, British Council, 3 Hanover Street, London, W.1, giving full details including the number of delegates requiring assistance and their nationalities. Such information should be lodged preferably not later than January 15, and replies will be made by the end of February.

World Federation for Mental Health

THE World Federation for Mental Health, formed at the time of the international congress in London last August, has now been officially recognized for consultative purposes by the two United Nations