

his house looked out over the waters of the great loch with the panorama of mountains beyond. Here he indulged his wide interests in reading and in open-air life, and from here frequently set out on foreign travel with his wife, who had predeceased him only by a few weeks. He retained to the end his fine presence and vigorous manhood. His memory will long be cherished by his pupils, who recognized his commanding place as a teacher.

P. F. Frankland was elected president of the Institute of Chemistry in 1906, and of the Chemical Society in 1911. His two presidential addresses to the latter Society, in 1912 and 1913, on stereochemistry are still of vital interest and importance in this field of study. He leaves an only son, Edward Percy Frankland, who was for some time a lecturer in chemistry in the University of Birmingham.

W. N. HAWORTH

We regret to announce the following deaths:

Prof. J. Shaw Bolton, emeritus professor of mental diseases, University of Leeds, on November 12, aged seventy-nine.

Dr. Dorothy Jordan Lloyd, since 1927 director of the British Leather Manufacturers' Research Association, on November 21, aged fifty-seven.

Mr. W. H. Roberts, recently city analyst at Liverpool and associate professor of public health chemistry in the University of Liverpool, on November 16, aged sixty-eight.

Mr. Charles Rodgers, O.B.E., deputy director of the British Electrical and Allied Manufacturers' Association and chairman in 1942-43 of the British Electrical and Allied Industries' Research Association, on November 5, aged seventy-one.

NEWS and VIEWS

Royal Society:

Medal Awards

HIS MAJESTY THE KING has been graciously pleased to approve the recommendations made by the Council of the Royal Society for the award of the two Royal Medals for the current year as follows: Sir Lawrence Bragg, for his distinguished researches in the sciences of X-ray structure analysis and X-ray spectroscopy; Dr. C. D. Darlington, for his distinguished researches in cytology and genetics.

The following awards of medals have been made by the President and Council of the Royal Society: Copley Medal to Prof. E. D. Adrian, for his distinguished researches on the fundamental nature of nervous activity, and recently on the localization of certain nervous functions; Rumford Medal to Sir Alfred Egerton, for his leading part in the application of modern physical chemistry to many technological problems of pressing importance; Davy Medal to Prof. C. K. Ingold, for his distinguished work in applying physical methods to problems in organic chemistry; Darwin Medal to Sir D'Arcy Thompson, for his outstanding contributions to the development of biology; Sylvester Medal to Prof. G. N. Watson, for his distinguished contributions to pure mathematics in the field of mathematical analysis, and in particular for his work on asymptotic expansion and on general transforms; Hughes Medal to Prof. J. T. Randall, for his distinguished researches into fluorescent materials and into the production of high-frequency electromagnetic radiation.

Special Election

UNDER the Statute of the Royal Society which provides for the election of persons who either have rendered conspicuous service to the cause of science or are such that their election would be of signal benefit to the Society, Dr. C. J. Mackenzie, president of the National Research Council of Canada, has been elected a fellow of the Society.

National Coal Board: Director-General of Research

DR. W. IDRIS JONES, in accepting the post of director-general of research for the National Coal Board, becomes the chief executive officer of Sir Charles Ellis, the scientific member. The Board is

composed of functional members responsible respectively for production, marketing, labour, finance and scientific work. The scientific member's responsibility embraces problems ranging from day-to-day investigations connected with quality control to long-term research. Dr. W. Idris Jones, who is forty-six years of age, has wide scientific and technical experience to help him in this important appointment. He graduated at the University College of Wales, Aberystwyth. He was a Rhondda and Frank Smart research student of Gonville and Caius College, Cambridge, and took his Ph.D. (Cantab.) degree in 1925. After leaving Cambridge, he joined the research staff of Messrs. Synthetic Ammonia and Nitrates, Ltd. (later I.C.I. (F. and S.P.), Ltd.), at Billingham-on-Tees, and was later appointed a group manager in the Oil Division, where he was concerned with the development of the coal hydrogenation process. He was appointed director of research of the Powell Duffryn Co. in April 1933, an appointment which he has held until now.

One of the advantages of unified management of all the British coal mines is the opportunity it gives of tackling the major problems of the industry on a national scale. Dr. Idris Jones will find no lack of important objectives; on the contrary, in the early stages, the difficulty will be to arrange them in order of precedence. The problem of fuel preparation, whether in washing and grading, or in carbonization and briquetting, or in the degree of refinement of by-products, will doubtless have prominence. On the other hand, the problems of the human element, such as the whole study of working environment, as well as occupational diseases, will engage a large proportion of the Board's research interest. Dr. Idris Jones has an immense field before him; one that calls for the exercise of wise scientific judgment.

Mathematics at Leeds: Retirement of Prof. W. P. Milne

PROF. W. P. MILNE, head of the Mathematics Department of the University of Leeds since 1919, has retired and been appointed professor emeritus. After studying at the University of Aberdeen, where he obtained a doctorate, Milne took his mathematical degree at Cambridge as fourth wrangler, and received honourable mention in the Smith's Prize examina-