health and social reform between the two nations. This influence is exerting its force to-day.

In the years of retirement, Newsholme's facile pen was seldom idle; and he visited many countries, including the U.S.S.R., to study their health conditions and to discuss their problems. His last two books, "Fifty Years in Public Health" and "The Last Thirty Years in Public Health", are not only autobiographical, but also possess scientific and historical value. Tall, handsome and bearded, with many social gifts, Sir Arthur was a popular figure in Great Britain and the United States. He married in 1881 Sara Mansford, and her death in 1933 was a great blow to him. Newsholme's work as administrator and epidemiologist takes high place in the story of British public health.

ARTHUR S. MACNALTY.

WE regret to announce the following deaths:

Dr. W. S. Bayley, who retired in 1931 from the professorship of geology at the University of Illinois, where he was head of the department, on February 14, aged eighty-one.

Mr. Lionel R. Crawshay, at one time a member of the scientific staff of the Marine Biological Association and for many years research officer, Sponge Fishery Investigations, West Indies and British Honduras, on April 24, aged seventy-four.

Prof. Kurt Huber, professor of experimental psychology in the University of Munich, recently executed for "traitorous conspiracy".

Prof. Martin H. Knutsen, professor of bacteriology at the Pennsylvania State College since 1928, on February 6, aged fifty-five.

NEWS and VIEWS

King's Birthday Honours

THE following names of men of science and others associated with scientific development appear in the King's Birthday Honours list:

Baronet: Sir John Fraser, regius professor of clinical surgery, University of Edinburgh.

K.C.B.: Dr. N. K. Johnson, director of the Meteorological Office.

K.B.E.: Sir T. Franklin Sibly, vice-chancellor of the University of Reading, and chairman of the Committee of Vice-Chancellors and Principals.

Knights: Capt. J. P. Black, managing director of the Standard Motor Co., Ltd., and chairman of the Joint Aero-engine Committee; D. A. E. Cabot, chief veterinary officer, Ministry of Agriculture; Dr. H. L. Eason, president of the General Medical Council; Dr. C. S. Fox, director of the Geological Survey, India; Dr. H. Spencer Jones, Astronomer Royal; J. M. Kennedy, deputy chairman of the Electricity Commission; P. M. Kharegat, vice-chairman, Imperial Council of Agricultural Research, India; E. Macfadyen, chairman of the governing body, Imperial College of Tropical Agriculture; Dr. A. D. McNair, vice-chancellor of the University of Liverpool; Prof. J. L. Myres, formerly Wykeham professor of ancient history, University of Oxford, for services to learning; Prof. G. P. Thomson, professor of physics, Imperial College of Science and Technology.

C.H.: E. W. Hives, for services in the design of aero-engines.

C.B.: J. M. Caie, deputy secretary, Department of Agriculture for Scotland; W. S. Farren, director, Royal Aircraft Establishment, Ministry of Aircraft Production.

C.I.E.: H. Trotter, utilization officer, Forest Research Institute, Dehra Dun.

C.B.E.: R. Chadwick, chief designer and director, A. V. Roe and Co., Ltd.; Dr. H. L. Guy, chairman of the Gun Design Committee, Scientific Advisory Council; Prof. J. Jewkes, deputy director-general of statistics and programmes, Ministry of Aircraft Production; Prof. J. N. Mukherjee, professor of chemistry, University of Calcutta; R. K. Pierson, chief designer, Vickers-Armstrong, Ltd. (Aircraft); Major R. W. Sharpe, chairman, Agricultural Executive Committee, Berwickshire; Lieut.-Col. W. W. Zambra, secretary, Imperial Communications Advisory Committee.

Prof. V. M. Goldschmidt, For.Mem.R.S.

PROF. V. M. GOLDSCHMIDT, whose election to foreign membership of the Royal Society has just been announced, has made outstanding contributions in each of the fields of petrology, crystal chemistry and geochemistry. His early studies in rock metamorphism marked a major advance in the correlation of the chemical and mineralogical composition of thermally reconstituted rocks and contained the first successful essay towards a systematic classification of rock-mineral assemblages in the light of the phase rule. The leader of great schools of geochemistry both at Göttingen and Oslo, Goldschmidt has for many years devoted his attention to the discovery of the principles governing the terrestrial distribution of the elements: in this programme his classical researches on the crystal structure of ionic compounds were early achievements and may be regarded as laying the foundation of the science of crystal chemistry. His exhaustive series of investigations on the chemical composition of rocks and minerals has revolutionized our knowledge of the distribution of the minor constituents of the earth's crust, while his similar studies on meteorites have brought a special contribution to the problem of the chemistry of the earth's deep interior. It is in these comprehensive researches, both geochemical and crystallochemical, that Goldschmidt has contributed in such large measure to the present-day picture of the geochemical evolution of matter within the lithosphere.

Prof. B. A. Houssay, For.Mem.R.S.

PROF. BERNARDO ALBERTO HOUSSAY, of Buenos Aires, elected a foreign member of the Royal Society on May 20, is one of the outstanding men of science of Latin America. He has held the chair of physiology in the University of Buenos Aires since 1919, and has made his laboratory a leading centre for endocrine research. His most remarkable discoveries concern the effect of the anterior pituitary body on carbohydrate metabolism; he showed that although the removal of the pancreas alone will cause diabetes, yet if the anterior lobe of the pituitary is removed at the same time the animal has no glycosuria and stays in reasonable health. Further analysis made it clear that the anterior lobe of the pituitary secretes