"Seacourt", Hayling Island, he organised a control scheme in 1921 after consultations with the late Dr. F. W. Edwards, of the British Museum (Natural History), and the late Colonel S. P. James, of the Ministry of Health. Marshall built, equipped and directed, at his own expense, the British Mosquito Control Institute in the grounds of his house on Hayling Island, which was officially opened by the late Sir Ronald Ross in 1925. This Institute is a centre for both pure and applied research upon mosquitoes, and has been visited by fellow-workers from all over the world.

Although some seventeen species of mosquitoes were recorded by Marshall as occurring on Hayling Island, the species which at times made life on the Island well-nigh unbearable was the brackish-water breeder Aedes detritus and, to a lesser extent, Aedes caspius. It was natural that Marshall should concentrate on a study of these two troublesome species, and his numerous publications show clearly with what meticulous care and accuracy he worked out their With his knowledge of biology and bionomics. mathematics he devoted much time, care and skill to insect photography, and invented a new apparatus for photographing insects, which he described in the Bulletin of Entomological Research. His greatest achievement, however, and the one which will for ever be associated with his name, is his book entitled "British Mosquitoes", which was published by the Trustees of the British Museum (Natural History) in 1938. It was the successor of Dr. W. D. Lang's "Handbook of British Mosquitoes" (1920). Marshall described nine species of mosquitoes not mentioned in Lang's book and also filled in numerous gaps in

our knowledge concerning many species of which, although they were recorded as indigenous, very little was known. He added to our knowledge of their breeding-places, their bionomics and the means of classifying their larve, particularly the early instars. His book contains 172 text figures and twenty-five other drawings or photographs, most of which he did himself with the help of his enthusiastic assistant, Mr. J. Staley, and which bear testimony to the photographic apparatus which he invented. He was awarded the C.B.E. in 1936.

Between 1921 and 1925, I worked with Marshall while the mosquito survey of Hayling Island and the surrounding district was being made. The realization that the control measures necessary for success were both difficult and complicated stimulated Marshall and added an interest to this branch of the work which never flagged.

Marshall married in 1902 Blanche Gray, who survives him. She supported and helped him in all his scientific activities. Their daughter, Joan Grant (Mrs. Charles Beatty), is the talented author of "Winged Pharach" and other widely read literary works.

P. G. Shute

WE regret to announce the following deaths:

Dr. Clifford Dobell, F.R.S., protistologist to the Medical Research Council, on December 23, aged sixty-three.

Prof. W. H. Newton, professor of physiology in the University of Edinburgh, on December 20, aged forty-five.

NEWS and VIEWS

New Year Honours List

The following names of men of science and others associated with scientific work appear in the New Year honours list:

Baron: Dr. L. Haden Guest, M.P., secretary of the Leverhulme Research Fellowship Committee, for political and public services.

K.B.E.: F. Brundrett, chief of the Royal Naval Scientific Service; H. C. Papworth, vice-chancellor of the University of Travancore.

D.B.E.: Prof. Olive Wheeler, professor of education and dean of the Faculty of Education in

University College, Cardiff.

Knights: Prof. A. L. Bowley, during 1919-36 professor of statistics in the University of London; A. M. Bryan, chief inspector of mines, Ministry of Fuel and Power; Philip Hendy, director of the National Gallery; Dr. A. W. Pickard-Cambridge, deputy chairman of the Public Schools' Governing Bodies Association, during 1930-38 vice-chancellor of the University of Sheffield; S. J. Saint, director of agriculture, Barbados; Arthur Sims, for services to medicine and education in the British Commonwealth; Prof. A. G. Tansley, chairman of the Nature Conservancy; Dr. W. W. D. Thomson, professor of medicine, Queen's University, Belfast; Prof. R. L. Turner, director of the School of Oriental and African Studies, University of London.

C.B.: A. H. Gosling, director-general of the Forestry Commission; S. S. Hall, director-general of technical development (air), Ministry of Supply; Dr.

O. H. Wansbrough-Jones, scientific adviser to the Army Council.

C.M.G.: A. B. Killick, director of agriculture, Uganda; W. H. Cocker, of Auckland, New Zealand, for outstanding services in university administration and adult education.

C.B.E.: J. Anderson, chief scientist, H.M. Underwater Detection Establishment, Portland; Mehmed Aziz, executive officer, Anopheles Eradication Scheme, Cyprus; O. G. S. Crawford, archæologist; H. W. Dawes, president of the Royal College of Veterinary Surgeons; A. N. Duckham, agricultural attaché at the British Embassy at Washington; Prof. F. Hardy, professor of chemistry and soil science, Imperial College of Tropical Agriculture, Trinidad; C. Harvey, director of agriculture, Fiji; Dr. Franklin Kidd, director of food investigation, Department of Scientific and Industrial Research; E. C. Lloyd, deputy chief veterinary officer, Ministry of Agriculture; Miss Ida C. Mann, senior surgeon, Royal London Ophthalmic (Moorfields) Hospital; Prof. J. W. Munro, professor of zoology and applied entomology in the Imperial College of Science and Technology, London; F. M. Owner, chief engineer (Engine Division), Bristol Aeroplane Co., Ltd.; Prof. F. G. Soper, professor of chemistry in the University of Otago, for public services; W. J. Spafford, lately director of agriculture, South Australia; K. T. Spencer, deputy director of aircraft research and development (technical), Ministry of Supply; Prof. A. M. Tyndall, chairman of the Executive Committee, National Physical Laboratory.