That Leeds, as a busy and successful museum official, did not neglect the claims of scholarship is shown by the many excavations on local sites which he undertook (notably those of the Neolithic causeway and settlement at Abingdon, Berks, the Iron Age camps at Chastleton, Oxon, and Chun Castle, Cornwall, and of the Anglo-Saxon village at Sutton Court-enay, Berks) and by the list of six books and more than ninety smaller papers which appear in the bibliography of his writings in the forthcoming volume of essays entitled "Dark-Age Britain" offered to him by a group of his friends and pupils. His chief work lay in Anglo-Saxon studies. His book, "The Archaeology of the Anglo-Saxon Settlements", published in 1913, can fitly claim to have been epoch-making, as it laid the foundation of all the more recent work on the subject, and showed, once for all, how great a contribution archaeology could make to a study which had previously seemed to be almost solely the prerogative of the historian. He followed this with two more books and numerous papers, which showed how, though his views may have been modified in detail as the years passed, his main arguments stood firm in his own mind and have, indeed, now won general acceptance. Besides his work for Anglo-Saxon studies, Leeds also made major contributions to scholarship in several other fields, notably with his book "Celtic Ornament" (1933), and with his work on numismatics (Roman and Chinese) and his several papers connected with Oxford inns and traders.

Leeds was Fellow, and later honorary Fellow, of Brasenose College, Oxford, and was also elected this year to an honorary fellowship of Magdalene College, Cambridge, where he had been an undergraduate. He was a Fellow of the Society of Antiquaries and a vice-president during 1929-32, and an honorary associate of the Royal Institute of British Architects.

D. B. HARDEN

Prof. Haakon Shetelig

HAAKON SHETELIG, formerly director of the Bergen Museum and professor of archaeology there, who died on July 23 at the age of seventy-eight, was a distinguished authority on Scandinavian prehistory and on the archaeology of the Vikings. He was particularly well known in Britain, both for the admirable account in his "Scandinavian Archaeology" (Oxford, 1937), written in conjunction with the philologist Hjalmar Falk, and for his interest in the archaeological traces of the Vikings in the British Isles, of which he left a permanent memorial in the six parts of "Viking Antiquities in Great Britain and Ireland", published in 1940 (pts. I-IV) and 1954 (pt. VI) on behalf of the Norwegian Scientific Research Fund of 1919. Much of the writing was contributed by British and Norwegian scholars, but Shetelig edited the whole work and himself contributed a masterly introduction to the history of the Vikings in Western Europe.

Shetelig was a genial and hospitable as well as a learned man, and he had an abiding love and respect for Britain. He had a particularly warm place in his heart for the amateur scholar, whom he regarded as the fine flower of our society in the days of its prime. It must have given him peculiar pleasure to be awarded the Gold Medal of the Society of Antiquaries of London, a recognition which came to him in 1939.

GRAHAM CLARK

Dr. C. H. N. Jackson, O.B.E.

DR. C. H. N. JACKSON, chief entomologist of the East African Tsetse Research Organization, died in hospital in England on July 28. His whole career was devoted to research in East Africa, his first appointment being in 1927 as zoologist to the Department of Game Preservation in Tanganyika. C. F. M. Swynnerton was the head of the Department, and Jackson was one of the team of able young men who Swynnerton inspired to work on the tsetse fly which then, as now, was one of the major problems of East Africa. Swynnerton persuaded his Government and the Colonial Office to set up a separate Department of Tsetse Research, and Jackson was appointed as survey entomologist to it in 1932. He became senior entomologist in 1936. In 1948 tsetse research became the responsibility of the East African High Commission, and Jackson was appointed research officer in the Tsetse Research Organization, becoming chief entomologist in 1951. He held the degree of D.Sc. of the University of London, and was appointed O.B.E. in the Queen's Birthday Honours List this year.

Jackson was, like Swynnerton, an excellent field-worker, and spent much of his time almost completely isolated from the amenities of civilization and even from his colleagues. His work, carried out over so many years at Kakoma in Central Tanganyika under difficult and uncomfortable conditions, provides data on the tsetse of continuing value to all concerned with similar problems. But Jackson was not only a field-worker; he combined this with rigorous academic standards, and an ability to keep up to date with theoretical and laboratory work in his own and allied subjects. He will be particularly remembered for his work on natural populations. This applied primarily to the tsetse fly, but is accepted by others as applying much more generally to other ecological problems. A particular contribution was his development of the 'marking' technique, by which tsetse flies were marked with spots of paint in such a way that the date and place of release could be indicated and recaptures could also be recorded. He spent much of his leave analysing his data, and was among the first field-workers to apply the methods of Sir Ronald Fisher to his results. He had a real enthusiasm for his subject which he communicated to those who discussed his work with him either in the laboratory in Britain or in the field in East Africa. His work, though individual, was also part of the work of a team of scientists who have done much to make tsetse control over large areas a possibility.

KENNETH MELLANBY

Mr. R. L. Collett, M.B.E.

RONALD LESLIE COLLETT, who died on August 15, will be remembered for the devoted service he gave to the profession of chemistry as assistant secretary (1925-44) and as registrar (1945-51) of the Institute of Chemistry of Great Britain and Ireland, now the Royal Institute of Chemistry. Throughout that period he was always available for consultation by students and members of the Institute on matters affecting their careers, and there were few who at some time or other did not benefit from his advice and help in resolving professional or personal difficulties. Even those who at first were overawed by the luxuriance of his eyebrows or his somewhat didactic manner soon came to regard him as a

friend and confidant. His obvious sincerity and complete honesty of purpose won for him the esteem and affection, not only of innumerable chemists, but also of many government officials, fellow bird-watchers and members of the Savage Club—and, not least, of those whose opinions he combated most vigorously.

Born in 1886, Collett was educated at St. Paul's School, London, and, after graduating in natural sciences from Trinity College, Cambridge, he specialized in the chemistry of food, drugs and water at King's College, London. He was elected a Fellow of the Institute of Chemistry in 1913. During the First World War he was first commissioned in the Middlesex Regiment, but was later transferred for specialist duties in connexion with water supplies and served for three years in France as a captain in the R.A.M.C. After the War he was successively chemist to a brewery and a member of the scientific staff of the

newly formed British Leather Manufacturers Research Association.

He took a close interest in the work of several scientific societies and had been a vice-president of the Society of Public Analysts, now the Society for Analytical Chemistry. Before his appointment as a salaried officer of the Institute of Chemistry, Collett had been a member of its council and had served as honorary secretary and honorary treasurer of its London Section. During the Second World War he gave valuable assistance to government departments in connexion with the utilization of the services of qualified chemists and was afterwards appointed M.B.E. After his retirement he was attached in an advisory capacity to the Association of University Teachers, and continued to act as a consultant on the engagement and conditions of service of chemists in industry.

H. J. T. ELLINGHAM

NEWS and VIEWS

Chemical Technology at the University of Edinburgh : Prof. K. G. Denbigh

THE first occupant of the recently instituted chair of chemical technology in the University of Edinburgh is to be Dr. K. G. Denbigh, who will take up his duties there in October. Dr. Denbigh is at present a University lecturer in the Department of Chemical Engineering, Cambridge. He is forty-four years of age, and was educated at Queen Elizabeth's Grammar School, Wakefield, and at the University of Leeds, where he graduated with first-class honours in chemistry in 1932. He continued his studies by research on the fluorides of sulphur and was awarded the degree of Ph.D. His old University has recently recognized his distinguished contributions to a wide field of scientific subjects by conferring upon him the degree of D.Sc. Dr. Denbigh's career has been almost equally divided between chemical industry and university teaching. He has held appointments with Imperial Chemical Industries, Ltd., and with the Ministry of Supply Royal Ordnance Factories and was for a time a lecturer in the University of Southampton. In 1948 he was appointed to a University lectureship in the then newly-established Department of Chemical Engineering at Cambridge, and from the start he has been largely responsible for the teaching of chemical thermodynamics and associated subjects. His researches have been mainly concerned with the kinetics of reactions between gases and liquids and between gases and solids, and he has published a number of papers on these topics and in the general field of chemical kinetics and thermodynamics. His monograph "The Thermodynamics of the Steady State" (Methuen, 1951) has become very well known, and a text-book, "The Principles of Chemical Equilibrium", has been announced by the Cambridge University Press for the autumn. Dr. Denbigh is a Fellow of the Royal Institute of Chemistry and a member of the Institution of Chemical Engineers, and he is a member of the Education Committee of the latter organization.

The Animal Health Trust : Dr. K. C. Sellers

THE Animal Health Trust has appointed Dr. Kenneth Charles Sellers to be director of its new

Farm Livestock Research Station at Stock, Essex. Dr. Sellers, who is thirty-nine, is at present in the service of the Ministry of Agriculture as veterinary investigation officer in Yorkshire. He was trained at the Royal Veterinary College, London, and then went to the University of Cambridge, after which he was appointed to the staff of the Institute of Animal Pathology at Cambridge. He remained at the Institute, with the exception of war service, until joining the Ministry of Agriculture. Dr. Sellers has already contributed some thirty papers on widely varying aspects of disease problems, including a survey of losses during pregnancy and parturition in sheep, vitamin deficiencies in livestock, bovine mastitis, ketosis in pregnant ewes, and various nutritional problems. Pending completion towards the end of the year of a new range of laboratories at the Farm Livestock Research Station at Stock, temporary laboratory accommodation has been provided at Lilystone Hall, where alterations have been made to meet library, lecture hall and reception room requirements and for provision of residential flats for various members of the staff. The nucleus staff from the old Farm Livestock Station at Houghton Grange in Huntingdonshire have moved to Stock.

Perkin Centenary Celebration in 1956

IN 1856, William Henry Perkin, then aged eighteen, discovered the first synthetic dyestuff, later called 'mauve', and from this discovery have developed the modern dyestuffs industry and the greater part of the world's organic chemical industries. It is planned to celebrate in London, during May next year, the centenary of this discovery, and six bodies are co-operating in making the arrangements: the Royal Society; Chemical Society; Society of Chemical Industry; Society of Dyers and Colourists; Royal Institute of Chemistry; and the Association of British Chemical Manufacturers. Under the patronage of H.R.H. the Duke of Edinburgh, the president of the celebration is the president of the Royal Society, with the presidents of the sponsoring societies as vice-presidents. An organizing committee has been set up under the chairmanship of Sir Robert Robinson, and four sub-committees have been formed to deal with the following aspects: technical and