

formed within the ice-sheets, and now represent pseudomorphs of the original glacial structures, was not readily accepted by many workers when it was first proposed. In recent years, however, the hypothesis has been viewed in a much more favourable light. The evidence that he used to support his ideas was gathered from widely scattered sources: East Anglia, Wallasey, the Isle of Man, Møens Klint and Lønstrup (Denmark), Mud Buttes and Tit Hills (Alberta), drumlins near Toronto, the Rhône Glacier, and South Africa. Much of this material was collected for his D.Sc. thesis, but unfortunately his most remarkable work is, and probably will remain,

unpublished. This is his detailed measured profile along the Cromer Cliffs, plotted on a scale of 1 in. to 100 ft. (1 : 1,200). The sections, mounted together to form a continuous strip many feet in length, are now housed in the Geological Survey Library.

Those of us who were privileged to know and work with George Slater will remember him for his kindness and the sympathetic assistance he was always prepared to give. He was a first-class instructor, especially to those who were taking geology for the first time, and many recognize the debt they owe him for his encouragement.

GILBERT WILSON

## NEWS and VIEWS

### Chemical Engineering at Manchester :

Prof. F. Morton

THE honours degree course in chemical engineering in the Department of Applied Chemistry of the College of Technology, Manchester, has been in existence since 1933, when the Chemical Engineering Section was started under Mr. W. Cowan, and since that time the Section has grown in importance both as an undergraduate and postgraduate school. With the recent expansion of the College the opportunity has been taken to raise it to the status of a separate Department of Chemical Engineering, and Prof. Frank Morton, at present professor of chemical engineering in the University of Birmingham, has been appointed to the newly created chair of chemical engineering in the University of Manchester and in the College. The Department will include fuel technology and metallurgy, and it is hoped later to include courses in nuclear engineering and corrosion engineering.

Prof. Morton graduated in applied chemistry from the Manchester College of Technology in 1930, and for a period was a member of the teaching staff of that Department, before entering industry in 1936 as research chemist to Trinidad Leaseholds, Ltd., of Trinidad. After being successively superintendent of research and development and chief chemist in the Company, he was appointed in 1948 to a readership in chemical engineering in the University of Birmingham, and in the following year became professor of chemical engineering there. Prof. Morton's research work has been concerned with the constitution of petroleum, with methods of separation of hydrocarbons, particularly in the middle-distillate boiling range, and with the mechanism of oxidation and combustion of hydrocarbons in a diesel engine. While at Birmingham he extended his investigations to the constituents of coal tar and, in particular, to a study of liquid-liquid extraction methods for the separation of tar acids and bases. He is a vice-president of the Institute of Petroleum and chairman of the Research Committee. In this latter connexion he has been concerned with co-operative research sponsored by the petroleum industry at a number of universities and with the work on the biological activity of petroleum sponsored jointly by the Institute of Petroleum and the Medical Research Council.

### Linen Industry Research Association :

Dr. A. J. Turner, C.B.E.

DR. A. J. TURNER, who is retiring from the post of director of research of the Linen Industry Research

Association at the age of sixty-seven, has had a most distinguished career. A graduate of the Universities of London and Cambridge, his first research was done under Sir William Pope. Afterwards, working on aircraft and airship materials at the National Physical Laboratory, he was appointed in 1915 head of the Fabrics Research Section of the Royal Aircraft Factory (later Establishment). Immediately after the First World War, he became the first professor of textile technology in Manchester, holding this post until 1923, when he went to India to become director of research for the Indian Central Cotton Committee. Dr. Turner was personally largely responsible for the planning of the Committee's Bombay laboratories, and for the valuable technological reports which flowed from them in succeeding years. He returned to England to become head of the Spinning Department at the Shirley Institute, Manchester, in 1931, and remained there until he accepted in 1940 the post he is now vacating. During Dr. Turner's tenure of the directorship, the scope and volume of the work of the Linen Industry Research Association have increased enormously, and through his devoted service it has come to be accepted as the research centre of almost the whole linen industry and trade. As director, he has also represented the Association on numerous government committees. Dr. Turner's well-earned honours include the presidency of the Textile Institute (1952-54), an honorary associateship of the Manchester College of Technology (1951) and various offices of the Worshipful Company of Weavers; in 1950 he was appointed C.B.E.

Mr. D. A. Derrett-Smith

MR. D. A. DERRETT-SMITH, who succeeds Dr. Turner, has been a member of staff of the Linen Industry Research Association since 1928, head of the Chemistry Department since 1938, and has had additional duties as deputy director for the past four years. He received his early training under Prof. G. T. Morgan at the City and Guilds Technical College, Finsbury, and afterwards graduated in The Queen's University, Belfast, with first-class honours in chemical technology. During his long period of service with the Linen Industry Research Association, he has made notable contributions to the chemistry of linen processing, which have been incorporated in the modern practice of bleaching, dyeing and finishing. Mr. Derrett-Smith is well known in textile circles, and will have the good wishes of all in his responsible new post.