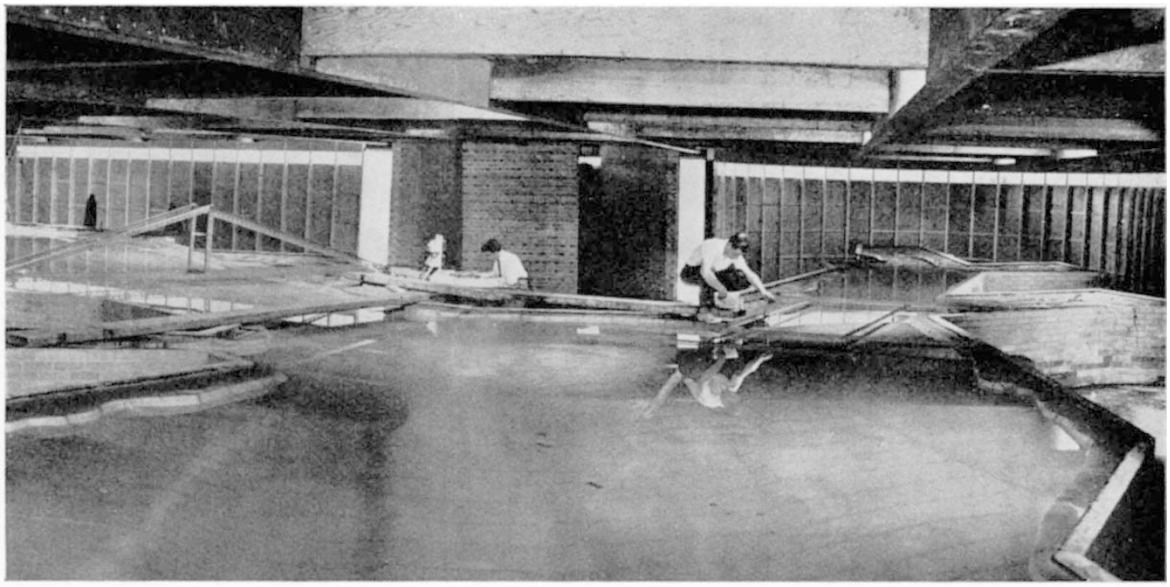

Fig. 2. View of the tidal model of the University of Southampton, looking north-west

hardboard templates made as profiles from charted information and spaced at approximately 1-ft. intervals on the model. A ½-in. mortar screed was placed between the templates and was given a brushed finish, which fortunately seems to have provided almost the correct degree of roughness to the surface. The rivers of the region are included to the extent of their tidal reaches; but it was concluded that none has a significant flow, so that this effect might conveniently be ignored, at least for the time being.

The recording equipment at present used in conjunction with the model includes capacitor-transducer level recorders and a movable integrating current-meter.

The model has already satisfied the Southampton Harbour Board that the proposed dredgings are likely to be stable; and a number of projects concerning changes to the regime have been proposed, for which the model will be used to predict full-scale effects.

The construction of the model was carried out under the direction of Dr. W. Wright (now professor of civil engineering, Trinity College, Dublin) with the assistance of Prof. A. N. Black and his colleagues and Commander D. H. Macmillan, of the Southampton Harbour Board.

NEWS and VIEWS

Pembroke College, Cambridge : Prof. W. V. D. Hodge, F.R.S.

Prof. W. V. D. Hodge, who has been pre-elected master of Pembroke College, Cambridge, will take up his duties there in August. Prof. Hodge, who has held the Lowndean chair of astronomy and geometry in the University of Cambridge since 1936, has achieved an international reputation as a geometer, mainly through his creation and development of the theory of harmonic integrals. The importance of his pioneer work in this field was recognized by the award to him, last year, of a Royal Medal by the Royal Society. He is also the joint author of the important three-volume work, "Methods of Algebraic Geometry", a careful exposition of modern algebraic investigations into the foundations of this subject. In addition to leading a vigorous school of research, he has taken an active part in University administration, having served on the Council of the Senate and on the General Board of the Faculties. Last November he succeeded Sir David Brunt as physical secretary of the Royal Society.

Engineering Structures at the Imperial College : Prof. S. R. Sparkes

Dr. Stanley Robert Sparkes, who has recently been appointed to the new chair of engineering structures in the Department of Civil Engineering in the Imperial College of Science and Technology, London, graduated in the University of Bristol in 1932; he was awarded an industrial bursary by the Royal Commissioners for the Exhibition of 1851 and gained practical experience in the design of steel structures with Messrs. Dorman, Long and Co., Ltd. In 1935 he joined the staff of the Department of Civil Engineering at the Imperial College and has been attached to it ever since. At the outbreak of the Second World War he was seconded to the Ministry of Supply for duty in connexion with air-raid precautions in building structures, and in 1942 he spent some months in India as structural precautions adviser to the Government of India. In 1944 he returned to the Imperial College, where he was appointed reader in civil engineering in 1947.