

PROCEEDINGS OF THE FIFTY-FOURTH MEETING.

HELD in the Applied Science Department, the University, St. George's Square, Sheffield, on Wednesday, June 21st, 1922, at 2.45 p.m., the President, Prof. W. E. S. TURNER, D.Sc., in the Chair.

The PRESIDENT announced that a cable had been received from Dr. E. W. Tillotson, to the effect that the American Ceramic Society had decided to postpone the visit to England which had been planned to take place this year. The decision was received with great regret and the following Resolutions were passed unanimously :—

A.—That the Council be authorised to renew its invitation to the American Ceramic Society to visit this country during 1923.

B.—That the co-operation of the Ceramic Society be invited so that the renewed invitation may, if possible, be sent jointly by the Ceramic Society and the Society of Glass Technology.

A vote of thanks was accorded to the authorities of Sheffield University for their courtesy in providing accommodation so readily for the meetings of the Society.

The PRESIDENT intimated that they hoped to hold the next meeting, in October, in York, so that members might have an opportunity of accepting the kind invitation given to them by the Dean of York at the April meeting to inspect the stained glass windows of York Minster.

A paper, entitled, "On the Devitrification caused upon the Surface of Sheet Glass by Heat," by Y. AMENOMIYA was read by Prof. W. E. S. Turner in the absence of the author.

A paper, entitled, "Note on the Effect of Alumina in Retarding the Devitrification of Glass," by K. KAMITA and Prof. W. E. S. TURNER, D.Sc., was read by Mr. Kamita after the subject had been introduced by Prof. Turner. The paper was illustrated by lantern slides. A discussion followed to which there contributed Dr. R. D. Bain, Messrs H. W. Howes, W. J. Rees, and P. J. Haller. Prof. Turner replied.

The third paper presented to the meeting was entitled: "The Swelling of Sand on Absorption of Moisture and its Effect on

Batch Mixing," by L. E. NORTON and Prof. W. E. S. TURNER, D.Sc. This paper was read by Mr. Norton, and illustrated by lantern slides.

In the discussion that followed there took part, Messrs. W. J. Rees, R. S. Smith, J. H. Davidson, Dr. R. D. Bain, H. W. Howes, F. J. Boam, G. Simpson, W. Butterworth, jun., W. C. Snowdon, and P. J. Haller. Prof. Turner and Mr. Norton replied.

A paper, entitled, "The Mixing of Batch," by Miss V. DIMBLEBY, B.Sc., A. W. DICKENSON, and Prof. W. E. S. TURNER, D.Sc., was given by the latter and illustrated by lantern slides.

Messrs. J. H. Davidson, M. Parkin, G. Simpson, and H. W. Howes contributed to the discussion that followed. Prof. Turner replied.

In order that members might have the opportunity of having tea together, the reading of the last paper on the agenda was postponed, namely, "The Composition of Lime suitable for Various Purposes in Glass Making," by Miss V. DIMBLEBY, B.Sc., and Prof. W. E. S. TURNER, D.Sc.

During the forenoon a party of members visited the new premises and laboratories of the Department of Glass Technology, The University, at Darnall Road, Sheffield.

The following were elected members :—

(a) *Collective Members.*

Messrs. Société Anonyme des Cristalleries du Val St. Lambert, Belgium.

(b) *Ordinary Members.*

Roger Francis Bacon.	c/o Messrs. Wm. Cory & Son, Ltd., 52, Mark Lane, London, E.C. 3.
John William Farmer.	c/o Messrs. Rockware Glass Syndicate, Ltd., Greenford, Middlesex.
R. D. Mailey, B.S.	<i>Factory Manager and Chief Engineer</i> , c/o Messrs. Cooper Hewitt Electrical Co., Hoboken, New Jersey, U.S.A.
Alexander Scott Russell, B.A., F.C.S.	<i>Research Chemist</i> , c/o Messrs. United Glass Bottle Manufacturers (Charlton), Ltd., Charlton, London, S.E. 7.
James Plummer Weaver, B.Sc.	<i>Factory Chemist</i> , c/o Messrs. Libbey-Owens Sheet Glass Co., Charleston, W.Va., U.S.A.