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PROCEEDINGS

OF THE

SOCIETY OF GLASS TECHNOLOGY

PROCEEDINGS OF THE FORTY-NINTH MEETING.

HELD in the Metallurgical Department, Applied Science Department, the University, St. George's Square, Sheffield, on Wednesday, January 18th, 1922, at 2.30 p.m., the President, DR. MORRIS W. TRAVERS, F.R.S., in the Chair.

The PRESIDENT intimated that a party of members of the American Ceramic Society would visit this country about the end of August or the beginning of September of this year. Members of the Society of Glass Technology who visited America in 1920 were treated with the greatest courtesy and hospitality, and he was sure that an equally warm welcome would be extended to their American friends on their arrival in this country. A Committee had been formed to deal with the reception arrangements. Meantime, any suggestions concerning visits to works, or other matters likely to be of interest to their American friends, would be welcomed.

The proceedings then took the form of a general discussion on THE DURABILITY OF GLASS, several papers being presented in illustration of various aspects of the problem.

The first paper was entitled "An Examination and Extension of Zulkowski's Theory of the Relation between the Composition and Durability of Glasses," by W. L. BAILLIE, A.I.C. In the absence of Mr. Baillie an Abstract of his paper was given by Prof. W. E. S. Turner, D.Sc. The President and Mr. J. R. Clarke, M.Sc., took part in the discussion that followed, Prof. Turner replying.

A paper entitled "The Effects of Magnesia on the Durability of Glass," by Miss C. M. M. MUIRHEAD, B.Sc., and Prof. W. E. S. TURNER, D.Sc., was given by the latter, and illustrated by lantern

slides. There contributed to the discussion that followed, the President, Messrs. F. G. Clark, and J. R. Clarke, M.Sc. Prof. Turner replied.

Prof. W. E. S. TURNER, D.Sc., also presented a paper entitled "A Critical Note on the Methods of Determining the Durability of Glass." In the discussion that followed there took part, the President, Messrs. J. R. Clarke, A. Bunce, W. J. Rees, E. A. Hailwood, and F. W. Adams. Prof. Turner replied.

The fourth paper on the agenda, "The Action of Various Reagents on the Surface of Chemical Glassware," by Prof. W. E. S. TURNER, D.Sc., and T. E. WILSON, B.Sc., was presented but not read, owing to lack of time.

Hearty votes of thanks were accorded to the authors of the papers presented.

The PRESIDENT intimated that the next meeting would be held in Manchester, on February 15th, at which part of the time would be devoted to considering questions submitted by members.

The following were elected Ordinary Members :—

1. Howard Cornell Herger *Analytical Chemist*, Messrs. Pierce Glass Co., 663, Main Street, Buffalo, N.Y., U.S.A.
2. William Tibbits Honiss, B.S. *Mechanical Engineer*, Messrs. Hartford-Fairmont Co., Hartford, Conn., U.S.A.