

## PROCEEDINGS OF THE THIRTY-SECOND MEETING.

HELD in the Mappin Hall, Applied Science Department, The University, St. George's Square, Sheffield, on Wednesday, February 18th, 1920, at 3 p.m., Dr. M. W. TRAVERS, F.R.S., Vice-President, in the Chair.

The CHAIRMAN referred to the establishment of the Wood Prize. It was, he said, to commemorate the distinguished services rendered by Mr. Frank Wood, of Barnsley, in assisting in the founding of the Society, of which he was its first President.

Dr. Travers, on behalf of the Society, then handed to Sir W. H. Hadow, Vice-Chancellor of Sheffield University, a cheque for £105 8s. 6d., to be invested for the purpose of providing for the award of an annual "Wood Medal and Prize" in glass technology.

Sir HENRY HADOW, in accepting the gift, said he was led to believe that Sheffield University was the only one in the country that had a Glass Technology Department. It was a distinction to the city, and one of which the University was proud. The co-operation between academic bodies and large industrial bodies could only be of the greatest service to both. Each had something to learn from the other. The academic side of any scientific work, and especially of any applied science, needed to be tempered, corrected, and corroborated by practical experience from outside. He therefore cordially welcomed the co-operation between the Society and the University. The latter would do everything in its power to develop and encourage that co-operation. He hoped the foundation of the prize would set on the first steps of a career more than one member of the University who would do memorable service to the glass industry.

The CHAIRMAN then referred to the recent presentation in London to Dr. W. E. S. Turner, O.B.E., in appreciation of his services to the Society as Secretary and as Editor of the JOURNAL. He said there was a small balance remaining, and he had pleasure in handing Dr. Turner a cheque for the amount.

Dr. Turner referred to the trip to America which the Society was arranging for August and September, 1920. He said that

already nearly twenty members had signified their intention of going, but he would be glad to have the names of any others who proposed to join the excursion. He reported that, without any request from him, a committee of welcome had been spontaneously set up in Pittsburgh to arrange for the comfort and entertainment of those who joined the excursion.

A vote of thanks was accorded to the University authorities for so kindly providing accommodation for the meeting. Sir W. H. Hadow replied.

The following paper was then read:—"The Preservation of Glass Furnace Refractories by Water Cooling," by E. B. Christmas, A.M.I.Mech.E. This paper was illustrated by numerous lantern-slides, and elicited a discussion, in which there took part the Chairman, Dr. Turner, and Mr. J. Connolly.

Mr. J. CONNOLLY took the Chair while Dr. M. W. Travers gave his paper, entitled "A Glass Furnace embodying a New Principle of Gas Firing." Three coloured diagrams were exhibited. A discussion followed, in which there took part Messrs. W. P. Johnson and C. J. Peddle.

A kinematograph film was then exhibited by Messrs. Ingersoll-Rand Company, London, showing "The O'Neill Bottle Machine in Operation." The various processes shown in the film were explained by Mr. W. L. Van Meter. Great interest was shown in the exhibition, which attracted a discussion, in which Mr. F. O'Neill took part. Others who spoke were Dr. Turner, Mr. J. Connolly, and the Chairman.

The following members were elected:—

#### *Collective Members.*

Powell & Ricketts, Ltd., Messrs.	Phoenix Glass Bottle Works, Bristol.
Webb's Crystal Glass Co., Ltd., Messrs.	26, Hatton Garden, London, E.C. 1.

#### *Ordinary Members.*

Bartlett, Edward E.	Glass Manufacturer, 502, South Division Street, Sapulpa, Oklahoma, U.S.A.
Brown, Noel Alfred	Assistant Secretary, Messrs. Claudius Ash, Sons & Co., Ltd., Anglers' Lane, London, and "Overstrand," 80, North Road, Highgate, London, N. 6.
Burgess, M. L.	Secretary-Treasurer, Messrs. Marietta Manufacturing Co., Indianapolis, and 989, E. Drive, Woodruff Place Indianapolis, Ind., U.S.A.

Carder, George John	Principal, Art and Technical Institute, Wordsley, and Whinsfield, Brettell Lane, Stourbridge.
Grint, William Horace	Designer of Glassworks Plant, 2, Central Buildings, Westminster, London, and 11, Evershot Road Tollington Park, London, N. 4.
Handley, Bernard	Cut Glass Manufacturer, Sidney Street, Sheffield, and 308, Granville Road, Sheffield.
Söderhielm, Captain Ragnar	Glassworks Director, Drattninggatan 66, Stockholm, Sweden.
Walters, Arnold	Member Jun. Inst. Eng., Mechanical Engineer, Prudential Buildings, Sheffield, and "Rock Lea," Hathersage, via Sheffield.
De, Kunjabehari, B.A., B.Sc.	Engineer, The Allahabad Glass Works, Naini, United Provinces, India.
Hobbie, Edward Humphreys	Glass Manufacturer, The Mississippi Wire Glass Co., 220, 5th Avenue, New York, N.Y., U.S.A.
Mitchell, Percy José, M.I.Mech.E.	Consulting Engineer, 2, Central Buildings, Westminster, London, and 37, Avenue Road, London, N.W.
Vieweg, George Bowers	Assistant Manager, The Mississippi Glass Company, Morgantown, W.Va., U.S.A.
Winship, William W.	Manager, The Thermal Syndicate, Ltd., 5, East 41st Street, New York, U.S.A.