

PROCEEDINGS OF THE TWENTY-NINTH MEETING.

HELD in the Metallurgical Lecture Room, Applied Science Department, The University, St. George's Square, Sheffield, on Wednesday, November 19th, at 3 p.m. Dr. M. W. TRAVERS, F.R.S., Vice-President, in the chair.

The CHAIRMAN announced that in order to economise time at meetings and to give members an opportunity of scanning the list of applications for membership, the Council had decided that a printed list of applications would be issued prior to each meeting. Objection to the application of any firm or person could then be made either in writing or at the outset of the meeting when the list was put up for approval by the President or Chairman.

The CHAIRMAN, on behalf of the Society, welcomed Dr. Turner and Mr. Connolly on their return from America. Dr. TURNER and Mr. CONNOLLY, in replying, paid a tribute to the kindness they had received everywhere they had been in America. They strongly recommended members to join in the excursion planned for 1920.

Prof. COBB, C.B.E., B.Sc., F.I.C., then read a paper entitled, "The Reversible Expansion of Refractory Materials," by H. J. Hodsman, M.Sc., F.I.C., and himself. The paper was illustrated by lantern slides. Messrs. W. J. Rees, J. H. Davidson, W. J. Gardner, J. Holland, and the Chairman took part in the discussion that followed.

A paper entitled, "A Proposed Standard Formula for a Glass for Lampworkers," by F. W. Branson, F.I.C., and F. H. Branson, A.I.C., was then read by the former. The paper was illustrated by lantern slides and by specimens of glass. A discussion followed, to which Dr. Turner, Mr. F. W. Hodkin, and the Chairman contributed.

A vote of thanks was passed to the Committee of the Applied Science Department of the University, Sheffield, for its kindness in providing accommodation for the meeting.

The following members were elected:—

Collective Members.

Stein & Atkinson, Messrs., Ltd. 47, Victoria Street, Westminster, London,
S.W. 1.

Taylor F. H. & Sons, Messrs. 131, Seven Sisters Road, London, N.

Ordinary Members.

Archer, Clodien	Directeur des Verreries de l'Établissement de St. Galmier, Veauche, Loire, France.
Atkinson, James Stanley	66, Ashley Gardens, Westminster, London, S.W. 1.
Barton, Geo. E., B.Sc., M.Sc.	227, Pine Street, Millville, N.J., U.S.A.
Bliss, Edwin C.	Cumberland Glass Manufacturing Co., Bridgeton, N.J., U.S.A.
Chandorkar, R. D.	c/o Paisa Fund Glass Works, Talegaon (Dabhada), India.
Flint, Francis C., B.S.	331, So. Main Street, Washington, U.S.A.
Gleason, Marshall W.	864, Park Place, Brooklyn, N.Y., U.S.A.
Graham, Samuel	c/o Mrs. Collens, 23, Hatfield Street, Belfast.
Heuisler, Philip I., B.A., M.S.	Catonsville, Maryland, U.S.A.
Holland, J.	The Gables, Grindleford, nr. Sheffield.
Horsburgh, J. M.	139, Langsett Road, Sheffield.
Koering, Eustachius W., C.E.	Crystal Avenue, Vineland, N.J., U.S.A.
Koering, Louis	Durand-Koering Glass Co., Vineland, N.J., U.S.A.
Kopp, Nicholas	1529, Shady Avenue, Pittsburgh, Pa., U.S.A.
Martin, Edward Butler	Milford House, Brockley Grove, Brockley, London, S.E. 4.
Ogale, Gurunath P., L.M.E.	Department of Glass Technology, The University, Sheffield, and c/o Ogale Glass Works, Ogalewadi, India.
Payne, Arthur Raymond, B.S., M.S.	Hazel Atlas Glass Co., Clarksburg, W. Va., U.S.A.
Richardson, Elwood A.	Glass Technology Dept., National Lamp Works of General Electric Co., 1133, East 152 Street, Cleveland, Ohio, U.S.A.
Ross, F. T.	Woolware Road, Burraneer Bay, <i>via</i> Sutherland, N.S.W., Australia.
Stokes, Lewis L.	The Cumberland Glass Manufacturing Co., Bridgeton, N.J., U.S.A.
Tiebout, Cornelius H., A.M.	Glass Manufacturer, 921, Lincoln Place, Brooklyn, N.Y., U.S.A.
Varshnoi, B. D., L.T.C.	Department of Glass Technology, The University, Sheffield, and United Provinces Glass Works, India.
Williams, J. Harvey	Cumberland Glass Manufacturing Co., N.J., U.S.A.