

March 7, 1872.

GEORGE BIDDELL AIRY, C.B., President, in the Chair.

In accordance with the Statutes, the names of the Candidates for election into the Society were read as follows:—

Andrew Leith Adams, Surgeon-Major.	John Leckenby, F.G.S.
William Grylls Adams, M.A.	Clements R. Markham, Sec. Geog. Soc.
William Aitken, M.D.	William Mayes, Staff-Comm. R.N.
Sir Alexander Armstrong, K.C.B., M.D.	Edmund James Mills, D.Sc.
Edward Middleton Barry, R.A.	Thomas George Montgomerie, Major R.E.
John Beddoe, B.A., M.D.	Robert Stirling Newall, F.R.A.S.
Henry Bowman Brady, F.L.S.	Edward Latham Ormerod, M.D.
Frederick Joseph Bramwell, C.E.	Francis Polkinghorne Pascoe, F.L.S.
James Brunlees, C.E.	Prof. Oliver Pemberton.
Edwin Kilwick Calver, Capt. R.N.	Rev. Stephen Joseph Perry.
Alexander Carte, M.A., M.D.	John Arthur Phillips, F.C.S.
William Chimmo, Commander R.N.	Bedford Clapperton T. Pim, Capt. R.N.
Prof. Arthur Herbert Church, M.A.	William Overend Priestley, M.D.
Frederick Le Gros Clark, F.R.C.S.	Charles Bland Radcliffe, M.D.
Prof. John Cleland, M.D.	Edward John Routh, M.A.
Herbert Davies, M.D.	George West Royston-Pigott, M.D.
Henry Dircks, F.C.S.	William Westcott Rundell.
August Dupré, Ph.D.	William James Russell, Ph.D.
Michael Foster, jun., M.A., M.D.	Osbert Salvin, M.A.
Peter Le Neve Foster, M.A.	Harry Govier Seeley, F.L.S.
Wilson Fox, M.D.	Alfred R. C. Selwyn (Geol. Survey Canada).
Arthur Gamgee, M.D.	Peter Squire, F.L.S.
Prof. Thomas Minchin Goodeve, M.A.	George James Symons, V.P. Met. Soc.
Townshend M. Hall, F.G.S.	Edwin T. Truman, M.R.C.S.
Edmund Thomas Higgins, M.R.C.S.	Wildman Whitehouse, C.E.
Rev. Thomas Hincks, B.A.	Henry Woodward, F.G.S.
Rev. A. Hume, LL.D.	Archibald Henry Plantagenet Stuart Wortley, Lieut.-Col.
Henry Hyde, Lieut.-Col. R.E.	
Prof. William Stanley Jevons, M.A.	
Edmund Charles Johnson, F.R.G.S.	
George Johnson, M.D.	
Prof. Thomas Rupert Jones.	

The following communications were read:—

- I. "Letter from W. DE LA RUE, F.R.S., to Prof. STOKES, Sec. R.S., relative to the Observations taken with the Kew Heliograph."

The Observatory, Cranford, Middlesex, W.,
February 5th, 1872.

MY DEAR SIR,—I beg herewith to hand you a statement of the expenditure of the £200 I received in February 1871 from the Government-Grant Fund for working the Kew heliograph and measuring and reducing the photographic pictures from February 1st, 1871, to January 30, 1872. I enclose the vouchers.

The work which I undertook to superintend during the last ten years has been brought to a close, so far as the observations are concerned. It has, however, been impossible to keep up the measurements of the sun-pictures and their reduction to the day. Indeed it will take eighteen months to bring these to a close; I have agreed with Mrs. Whipple (formerly Miss Beckley) and Mr. Loewy to complete this work for a specific sum (£170). As the funds placed at my disposal are exhausted, I will defray this expense myself.

It may be of interest to the Government-Grant Committee to know that, during the ten years (1862, February, to the end of January 1871), 2778 pictures have been obtained on 1724 days.

Since the Kew instrument was devised and constructed, I have been able, with the aid of Mr. Dalmeyer, to introduce many improvements, both in the mechanical parts and the optical portion of the instrument; but I did not think it desirable to interrupt the sun-work to make any changes in the Kew heliograph. Now that the work is completed, I would recommend that the secondary magnifier should be changed to the form adopted in the instrument made for the Russian Government, under my direction, and now at work at Wilna, by which very much better pictures are obtained than those procured at Kew. The cost of this change would be about £30.

- II. "On the Organization of the Fossil Plants of the Coal-measures. —Part III. *Lycopodiaceæ*." By W. C. WILLIAMSON, F.R.S., Professor of Natural History in Owen's College, Manchester. Received February 29, 1872.

(Abstract.)

An outline of the subject of this memoir has already been published in the Proceedings* in a letter to Dr. Sharpey. In a former memoir the author described the structure of a series of *Lepidodendroid* stems, apparently belonging to different genera and species. He now describes a very similar series, but all of which, there is strong reason for believing, belong

* *Suprà*, p. 95.