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E. J. STONE, Esq., M.A., F.R.S., President, in the Chair.

Henry George Hollingworth, Esq., F.R.G.S., 319 Vauxhall Bridge Road, S.W. ;

Samuel Okell, Esq., Bowden, near Manchester ;

William Barrett Roué, Esq., M.B., 165 Whiteladies Road, Clifton, Bristol ; and

Hesketh Goddard Williamson, Esq., Shrigley Road, Bollington, near Macclesfield,

were balloted for and duly elected Fellows of the Society.

Discussion of the Observations of γ Draconis, made with the Greenwich Reflex Zenith Tube during the years 1857 to 1875 inclusive. By A. M. W. Downing, Esq., M.A.

In the twenty-ninth volume of the *Memoirs* of this Society there is a paper by Mr. Main containing a discussion of the observations made with the Reflex Zenith Tube during the eight years 1852-1859. The results of this discussion were not altogether satisfactory. The value of the constant of aberration which was deduced was $20''.335$, or more than a tenth of a second smaller than Struve's value, which has been universally received by astronomers with such great confidence. Whilst the annual parallax of γ *Draconis* resulting from the observations was $-0''.242$, a quantity too large to allow us to consider it accidental, and which probably indicated (the author considered) the existence of some periodic error, whether arising from the

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