EDWIN DUNKIN, F.R.S., President, in the Chair.

Charles Michie Smith, B.Sc., F.R.S.E., Professor of Physical Science, Madras Christian College; and
Arthur Stanley Williams, Walsingham House, West Brighton;
were balloted for and duly elected Fellows of the Society.

The Observations of the Moon made at the Radcliffe Observatory during the Year 1883, and a Comparison of the Results with the Tabular Places from Hansen's Lunar Tables. By E. J. Stone, M.A., F.R.S.

The present paper contains the Right Ascensions and North Polar Distances of the Moon as deduced from the observations made at the Radcliffe Observatory during the year 1883. I have compared these results with those deduced from Hansen's Lunar Tables on two suppositions:
1. That the mean times, found in the usual way from the sidereal times at mean noon given in the Nautical Almanac, were not changed in 1864;
2. That the mean times were changed in 1864 in accordance with the views which I have explained in Papers already communicated to the Society.

The corrections which I have applied to the mean times are computed from the expression

\[ +0^\circ.55 + 24^h \times \frac{0^\circ.60216}{1296027618184} \times \text{days from 1864 Jan. 1}, \]

and are added to the adopted sidereal times at each mean noon since 1864. Here \( +0^\circ.55 \) is a constant, but the second term is a variable one, and soon becomes important. The necessity for such a correction, after the adopted value of the Sun's mean