Fifth Meeting, March 11th, 1898.

Dr MORGAN, Vice-President, in the Chair.

An Analysis of all the Inconclusive Votes possible with 15 Electors and 3 Candidates.

By Professor STEGGALL.

A Suggestion for a Shortened Table of Five-Figure Logarithms.

By Professor STEGGALL.

Note on the Centre of Gravity of a Circular Arc.

By JOHN DOUGALL, M.A.

Mr Crawford's note on this subject, read at a recent meeting, reminds me of a method I gave to a class four or five years ago.

FIGURE 14.

Let AMB be an arc subtending an angle $2a$ at the centre O of a circle of radius a. The centre of gravity G_1 lies, from symmetry, on OM the line from O to the mid-point of the arc.

Let G_2 be the C.G. of an adjacent arc BNC of angle 2β.

If G be the C.G. of the whole arc AMBNC, the angle AOG is $a + \beta$.

Thus $\angle G_1 OG = \beta$ and $\angle G_2 OG = a$.
Also $G_1 G G_2$ is a straight line.