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PAPERS TO BE READ ON TUESDAY,

SEPTEMBER 2ND, 1884.

**Section A.—Mathematical and Physical Science.**

*SUB-SECTION OF MATHEMATICS.*

[IN THE COMMITTEE-ROOM OF THE SECTION, MORRICE HALL.]

1. *Professor J. C. Adams.*—Note on Newton's Theory of Astronomical Refraction, and on his explanation of the motion of the Moon's Apogee.
2. *Rev. Dr. C. Taylor.*—A Historical Note on Continuity.
3. *Professor R. S. Ball.*—On a Model of the Cyliindroid, showing the nodal line.
4. *Professor G. P. Young.*—On Solvable Irreducible Equations of prime degree.
5. *Professor Lindemann.*—On the tact-invariant of a Cubic Curve and a Conic Section.
6. *Professor W. Dyck.*—On the "Analysis Situs" of three-dimensional spaces.
7. *Professor W. M. Hicks.*—On the Expression of the Co-ordinate of a point in terms of the potential and line of force at the point.
8. *Professor W. M. Hicks.*—On the pressure at a point inside a vortex-ring of uniform vorticity.
9. *Professor A. W. Phillips.*—Transformation of the stereographic equatorial projection of a sphere by means of a certain form of the Peaucellier cell.
10. *R. F. Davis.*—A Geometrical Theorem in connection with the three-cusped Hypocycloid.