

The single Notice is a long one by M. G. Bigourdan, "Les méthodes d'examen des miroirs et des objectifs." As is often the case in these appendices, both the older and the more modern methods are described, their mathematical bases are explained and applications to various instruments are made, so that the article practically constitutes a treatise on the subject in a form which can be read and understood without serious difficulty.

E. W. BROWN.

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NOTES.

AT the meeting of the London mathematical society on March 11 the following papers were read: By E. W. HOBSON: "Some theorems in the theory of series of orthogonal functions"; by P. A. MACMAHON: "Investigations in the theory of the partition of numbers by a new method of partial fractions"; by R. L. HIPPISEY: "Reciprocal and parallelogram linkages"; by J. R. WILSON: "A pseudo-sphere the equation of which is expressible in terms of elliptic functions"; by T. C. LEWIS: "Circles, spheres, etc., associated with a triangle, orthocentric tetrahedron, etc."

THE fifth ordinary meeting of the Edinburgh mathematical society for the session was held at the University of Glasgow on March 12. The following papers were read: By A. W. H. THOMPSON: "Solid geometry"; by G. D. C. STOKES: "A simple link apparatus for the mechanical solution of quadratic equations"; by F. TAVANI: "New formulae about the theory of the series of alternate sign."

BEGINNING with the April number, the staff of associate editors of the *Transactions of the American Mathematical Society* will include Professors A. B. COBLE and W. A. HURWITZ in place of Professors J. I. HUTCHINSON and MAX MASON, who have served since 1902 and 1911 respectively.

THE March number of the *Proceedings of the National Academy of Sciences* contains the following mathematical papers: "A note on functions of lines," by G. A. BLISS; "A classification of quadratic vector functions," by F. L. HITCHCOCK. The April number of the *Proceedings* contains: