THIRTY-EIGHTH SESSION, 1919-20.

First Meeting, Friday, 14th November 1919.

1. A New Basis for Graduation . . Prof. E. T. WHITTAKER.
2. A Geometrical Proof of Morley's Extension of Feuerbach's Theorem . H. W. RICHMOND.

Second Meeting, Friday, 12th December 1919.

1. A Proof of the Binomial Theorem, with some Applications . . . Prof. GIBSON.
2. Extension of Frenet's Formula to n Dimensions . . . . Dr R. F. MUIRHEAD.
3. Version of Hagen's Proof of the Law of Error . . . . Dr R. F. MUIRHEAD.

Third Meeting, Friday, 16th January 1920.

1. Note on the Polynomials which satisfy the Differential Equation
$$x\frac{d^2y}{dx^2}+(\gamma-x)\frac{dy}{dx}-\alpha y=0.$$
NEIL MACARTHUR.
2. The Slip Surface and Failure of Metal in Tension . . . . Dr E. M. HORSBURGH.
3. Geometrical Note on the Orthopole . Dr R. F. DAVIS.

Fourth Meeting, Friday, 13th February 1920.

1. On the Modified Bessel Function $K_n(z)$ Dr T. M MACROBERT.
2. A Radial Transparent Scale for use with an Abacus Dr E. M. HORSBURGH.
3. Nomograms for Financial Formulae . W. A. BARCLAY.

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Fifth Meeting, Friday, 12th March 1920.

1. The Life of James Stirling, the Jacobite Mathematician, with exhibition of autograph letters by N. Bernouilli, Clairaut, Cramer, Euler, Maclaurin and Stirling . . . . C. TWEEDIE.

2. On the Arrangement of the Signs of the Terms in a certain Double Series given by Arndt , . . J. MITCHELL.

Sixth Meeting, Friday, 14th May 1920.

1. Some Developments in Curve-fitting and the Calculus of Differences . Prof. E. T. WHITTAKER.

2. Robert Hooke on Molecular Interplay. Dr C. G. KNOTT.

Seventh Meeting, Friday, 11th June 1920.

1. On Direct and Inverse Interpolation by Divided Differences . . G. SMEAL.

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