1905-06: Twenty fourth session

Session 1905-1906.

Twenty-Fourth Session

10:XI:05 Minutes of meeting held on Friday, 10th Nov., 1905, in the Edinburgh Institution — Mr. W. L. Thomson, President, in the chair.

The following papers were read :-

1. On the number of Independent Conditions involved in the vanishing of a Rectangular Array by Dr. D. M. Y. Somerville

2. On certain series of Basic Bessel Coefficients by Rev. F. H. Jackson (communicated by Mr. A. G. Burgess).

3. On a Trigonometric Dial (a Teaching Appliance) by Mr. I. A. McBride

Mr. Archibald, Hon. Treas., submitted the Treasurer's Report for Session 1904-5, which showed that the expense of the Index-Volume prepared by Dr. Mackay had been defrayed by donations from members, with the exception of 17/6. 172 Annual Subscriptions were received. There was a Balance of £22 "14 "5 on the Capital Account and £19 " 2 · 9½ on the Cash Account, making a Total Balance of £41 "17 "2½. Mr. Archibald, on resigning the Treasurership, received, on the

Meeting: 10th November 1905

motion of the Chairman, the grateful thanks of the society for his long and valuable services.

The following Office-Bearers were elected for the session

President — Mr D. C. McIntosh, M.A., F.R.S.E.

Vice-President — Mr James Archibald, M.A.

Hon. Secretary — Mr P. Pinkerton, M.A.

Hon. Treasurer — Mr John Turner, M.A., B.Sc.

Editors of "Proceedings" — Mr W. A. Lindsay, M.A., B.Sc.
Mr D. K. Picken, M.A.

Committee — Mr W. L. Thomson, M.A.
Mr A. G. Burgess, M.A., F.R.S.E.
Mr Arch. Milne, M.A., B.Sc., F.R.S.E.
Mr J. H. Maclagan-Wedderburn, M.A.
Mr A. D. Russell, B.Sc.

For ordinary membership
Mr Wm Finlayson, 84 Pilrig St., Edinburgh
was proposed by Mr P. Pinkerton & seconded by Mr A.G.Burgess

D. C. McIntosh

8:12:05   Minutes of Meeting held on Friday, 8th Dec., 1905, in the Edinburgh Institution — Mr D. C. McIntosh, President, in the chair.

The following papers were read:

1. A problem of Lewis Carroll's and the Rational Solutions by a Diophantine Cubic by Mr C. Tweedie.

2. The Solution of a Numerical Cubic Equation by Mr E. Collignon (communicated by Mr G. Philp).

3. On the teaching of Geometry by Mr J. Turner

Mr W. Finlayson was elected an Ordinary Member.

Mr W. G. Fraser, M. A., H. M. I. S., 22 Duke St., Edinburgh, proposed by Dr Morgan & seconded by Mr Alison, and Mr John Graham Thomson, 34 London St., Edinburgh, proposed by Mr W. L. Thomson & seconded by Mr A. G. Burgess, were candidates for Ordinary Membership.

D. C. McIntosh.

12:1:06   Minutes of Meeting held on Friday, 12th Jan., 1906 in the Edinburgh Institution — Mr D. C. McIntosh, President, in the chair.

The following papers were read:

1. On the Reduction of $\int (Lx+M)\,dx / (Ax^2+2Bx+C)\sqrt{ax^2+2bx+c}$ by Mr D. K. Picken. $(AC > B^2)$

Meeting: 8th December 1905/12th January 1906

2. On the Determination of the centre of gravity of a circular arc by reference to a principle in Dynamics by Mr G. E. Crawford (communicated by Mr A. D. Russell)

3. On a Nine-point Conic, etc., and on the Parabolic Path of a Projectile by Mr P. Pinkerton

Messrs. W. G. Fraser and J. G. Thomson were elected ordinary members.

D. C. McIntosh

Minutes of Meeting held on Friday, 9th Feb. 1906, in the Edinburgh Institution, 8 Queen Street; Mr D. C. McIntosh, President, in the chair.

The following papers were read :—

1. On Pascal's Hexagram by Professor John Jack

2. On Newton's Theorem in the Calculus of variation by Mr J. H. Maclagan-Wedderburn

3. On the relations of certain conics to a triangle by Mr W. G. Fraser.

A sub-committee, appointed by the committee, received the sanction of the meeting to make arrangements for housing the Library of the Society in the Mathematical Department of

Meeting: 9th February 1906

4

Edinburgh University.

9:3:06 Minutes of meeting held on Friday, 9th March, 1906, in the Technical College, Glasgow; Mr D. C. McIntosh, President, in the chair.

The following papers were read :—

1. On the conditions for the reality of the roots of an n-ic, by Dr Peddie, communicated by Mr J. H. Maclagan Wedderburn.

2. On ....

3. Note on Tortuous Curves, by Mr John Miller.

4. On a simple theodolite suitable for use in schools, by Mr London Arnail.

John W. Butters

11:5:06 Minutes of meeting held on Friday, 11th May, 1906 in the Edinburgh Institution, 8 Queen Street, Mr J. W. Butters ex-President, in the chair.

The following papers were read :—

1. On a proof that the locus of mid-points of parallel chords of a conic is a straight line by

Meeting: 9th March/11th May 1906

Professor J. Jack, communicated by Mr A. Milne

2. Notes on the Apollonian Problem and the allied Theory by Mr John Dougall

Mr E. M. Horsburgh M.A.B.Sc, was proposed for ordinary membership by Mr John Turner & seconded by Mr D. K. Picken

Jas. Archibald

8:6:06   Minutes of meeting held on Friday, 8th June, 1906, in the Edinburgh Institution, 8 Queen Street, Mr Jas. Archibald, Vice-President, in the chair.

The following papers were read :

1. Quantitative Proof of Certain Algebraic Inequalities by Mr John Dougall (communicated by Dr Muirhead). (Reading of this paper was deferred from previous meeting).

2. A symbolic method in Geometrical optics by Mr E. B. Ross, communicated by Dr Peddie.

3. Theorems connected with Simson's Line by Mr A.G. Burgess

Mr E.M. Horsburgh was elected an ordinary member of the Society.

D.C. McIntosh

Meeting: 8th June 1906

6