

EMS Minutes: Volume 1: pages 165 to 173

1900-01: Nineteenth session

Nineteenth Session — 1900-1901.

9.11.1900. Minutes of meeting held on Friday, 9th November, 1900 in the Edinburgh Institution — Mr. R. F. Downhead in the Chair.

The following papers were read:—

1. Euclidean Proof of Pascal's Theorem, by Mr. R. F. Davis — communicated by Dr. Madhuj.
2. Note on the expression for the area of a triangle in Cartesian Coordinates, and a general proof of the addition Theorem in Trigonometry connected therewith, by Mr. Chas. Tweedie.

3. A Proof of the Theorem: "If by any change of axes $ax^2 + 2hxy + by^2$ be changed into $a'x'^2 + 2h'x'y' + b'y'^2$, then will

$$\frac{a + b - 2h \cos w}{\sin^2 w} = \frac{a' + b' - 2h' \cos w'}{\sin^2 w'}$$

$$\text{and } \frac{ab - h^2}{\sin^2 w} = \frac{a'b' - h'^2}{\sin^2 w'}$$

where w and w' are the angles of inclination of the two sets of axes", by Prof. Jack, Bombay.

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The following were elected officebearers for the current session.

President... J. W. Butters, M.A., B.Sc., F.R.S.E.
Vice-President... George Duthie, M.A., B.A., F.R.S.E.
Hon. Secretary... D. C. McIntosh, M.A.
Hon. Treasurer... Jas. Archibald, M.A.
Editors of Proceedings: W^m A. Lindsay, M.A. (Convener)
and Ches. Tweedie, M.A., B.Sc., F.R.S.E.
Committee... R. F. Muirhead, M.A., B.Sc.
J. A. Third, M.A., D.Sc.
Jas. Goodwillie, M.A., B.Sc.
W. L. Thomson, M.A.

For election at next meeting

1. Joaquin de Mendizábal y Famborel,
Palma, B, Mexico,
was proposed as a Life Member by Mr.
Butters, and seconded by Mr^s Alison.
2. Mr^s Alex. G. Burgess, M.A.,
Edinburgh Ladies' College, was
proposed by Mr. McIntosh, and seconded
by Mr^s Duthie.
3. Mr^s D. M. Johnstone, M.A., B.Sc.,
Science Master, Spier's School, Beith,
was proposed by Mr^s Third, and seconded by Mr. Butters.

Mr. Archibald submitted the Treasurer's report for Session 1899-1900, which showed a balance in favour of the Society of £9"16"2. After some talk about the amount of the Printer's account [£52.] and as to the advisability of forming a separate fund of the Life-Membership Subscriptions, the accounts were unanimously adopted, and Mr. Archibald thanked for his services.

Mr. George Guthrie intimated a Donation of £1"5 to the Funds of the Society.

J. W. Butters

14.12.1900. Minutes of Meeting held on Friday 14th December in the Edinburgh Institution, Mr. J. W. Butters, President, in the Chair.

The Chairman, after thanking the members for electing him President of the Society, made a sympathetic reference to the death of Dr. McCowan who was President of the Society during Session 1894-95.

Mr. Guthrie communicated to the meeting a paper by Professor Allardice on

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"Four circles touching a common circle", and Dr. Third thereafter gave the main points of a most elaborate paper on "Triangles triply in perspective".

M^r. Joaquin de Anandigálbal y Famborrel, was elected a Life Member of the Society, and M^r. Alex. G. Burgess, and M^r. D. M. Johnston were duly elected Ordinary Members.

In election at next meeting M^r. J. Edwards, M.A., Academy, Ardrossan, was proposed by M^r. Butters, and seconded by M^r. McIntosh.

John W. Butters.

11.1.1901. Minutes of meeting held on Friday, 11th January, in the Edinburgh Institution - M^r. George Duthie, Vice-President in the Chair.

The following papers were read:-

1. On "The Nine-Point Conic" by Professor Allardice.
2. "Tangents to a conic, or to confocal conics, at right angles meet on a circle, by Prof. John Jack - and communicated by M^r. McIntosh.
3. "There can be no relation of the form $a_0 + a_1 p^{\frac{1}{2}} + \dots + a_{n-1} p^{\frac{n-1}{2}} = 0$ where p is the product of factors prime to each other" by M^r. D. B. Main. Communicated by M^r. Macdonald.

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Professor Steppall intimated that the late Dr. McEwan's Mathematical Papers had been handed over to him for examination with a view to their ultimate publication. After some discussion it was agreed to ask Prof. Steppall to consult with Professor Gibson, and the Society expressed the wish that some of Dr. McEwan's papers might first of all find their way into its Proceedings.

Mr. J. Edward, M.A., was duly elected an Ordinary Member of the Society.

In election at next meeting, Mr. J. Angus McDonald, M.A., B.Sc., Science Master, George Watson's Ladies' College, was proposed by Mr. McIntosh (for Mr. A. S. Russell), and seconded by Mr. Archibald.

Mr. Duthie gave notice of a motion as to the sum to be drawn annually from Life-Membership Subscriptions, and Mr. McIntosh gave notice of a motion as to the amount of Life-Membership Subscriptions.

L.W.B.

8. 2. 1901. Minutes of Meeting held on Friday, 8th February, in the Edinburgh Institution, M^r. J. W. Batters, President, in the Chair.

The following papers were read:-

1. Note on the cooling of a sphere in a finite mass of well stored liquid, by Dr. Peddie.
2. Some inequalities relating to Algebraic Means, by M^r. R. F. Inverhead.

M^r. Duthie proposed "That Life-Membership Subscriptions be drawn on at the rate of 7/6 per annum". This was seconded by M^r. Inverhead, and became the business of the meeting.

M^r. McIntosh's motion as to increasing the amount of Life-Membership Subscriptions was, on the motion of M^r. Alison, seconded by M^r. Clark, remitted to the Committee for consideration.

M^r. McDonald, George Watson ^{Ladies'} College was elected an Ordinary member of the Society, and for election at next meeting.

M^r. Frank Pearson

George Watson College, Edinburgh was proposed by M^r. Alison, and

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seconded by Mr. Clark, while
Professor Robt. J. Aley
Indiana University
Bloomington, Indiana, U.S.A.,
was proposed by Mr. Goodwillie and
seconded by Dr. Morgan.
R.F. Muirhead.

8.3.1901.

Minutes of Meeting held on Friday, 8th March, in the
Edinburgh Institution, Mr. R.F. Muirhead, Ex-President,
in the Chair.

The following papers were read:-

1. 'Some elementary Theorems regarding Surds' by
Professor Chrysal - Communicated by Mr. Tweedie.
2. 'Note on the application of complex integration to
the equation of conduction of heat, with special reference
to Dr. Peddie's Problem' (discussed at last meeting)
by Mr. John Duffall.

Prof. Aley, Indiana University, Bloomington, U.S.A.
and Mr. Frank Pearson, George Watson's College, Edin^g?
were duly elected ordinary members of the Society.

29.3.1901

A special meeting of the Local members took
place on the evening of the last Friday in March
in the Royal Observatory, Blackford Hill, when

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through the courtesy of Professor Copeland, Astronomer-Royal for Scotland, members were afforded an opportunity of examining the instruments in the Observatory. The Professor kindly conducted the party himself, and a most interesting evening was spent.

J. W. Batters

10.5.1901. Minutes of meeting held on Friday, 10th May, in the United Free Church Training College, Glasgow, Mr. J. W. Batters, President, in the Chair.

The following papers were read:-

- 1st The General Equation of a Geodesic on a Surface of Revolution applied to the sphere, by Prof. Crawford, communicated by Dr. Carslaw.
- 2nd On a cubic curve connected with the triangle, by Prof. Allardice, communicated by Mr. Tweedie.
- 3rd On the focal relations of a bicircular quartic, by Mr. R. F. Davis, communicated by Professor Gibson.

Thereafter Dr. Carslaw contributed a short note on the summation of a certain series.

There were thirteen members present.

On the motion of Mr. Nixon, seconded by

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Mr. Archibald, Mr. William Anderson, M.A., Science
Master, Bruntsfield School, Edinburgh was
proposed as an ordinary member of the Society.

John W. Butters

14. 6. 1901. Minutes of meeting held on Friday, 14th June, in
the Edinburgh Institution - Mr. J. W. Butters, President,
in the Chair.

Professor Gibson contributed a note on 'an extension
of Abel's Theorem on the Continuity of a Power Series';
and ~~Dr. Carslaw~~ communicated a paper on "The
Diffraction of Plane Waves incident obliquely on a
semi-infinite Plane" by Dr. Carslaw.

Mr. Wm. Anderson, M.A., Science Master,
Bruntsfield School, Edinburgh, was elected an
Ordinary Member, and for election at next
meeting Mr. John H. McAlpine, Viewfield,
Kilmalcolm was proposed by Mr. Murhead,
and seconded by Professor Gibson.

On the motion of the President, a vote of thanks
to Messrs McNaughton and Turner for the continued
use of the rooms in the Edinburgh Institution was
cordially passed.

John W. Butters.

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