

EMS Minutes: Volume 1: pages 62 to 70

1887-88: Sixth session

Sixth Session

Minutes of meeting held on 11th Nov 1887 at 8 pm in the Edinburgh Institute. Mr W. S. Macdonald vice president being in the chair during the public business and Dr Mackay in the chair during the private business.

Dr. Thomson, as retiring president, gave an address in which he discussed chiefly the state of mathematics in secondary schools and universities. Dr. J. S. Mackay gave a paper on the properties of the figure consisting of a triangle and the squares described on its sides; and Mr. Archd. C. Colliest gave a new proof of a theorem regarding the potential of a magnetic shell.

Messrs Hector Mc Macdonald Clare College Cambridge, and Alex Morgan C. of St. Training College Edinburgh were elected ordinary members.

The following gentleman was proposed for membership:

Mr. Charles Macleod M.A. Univ: Aberdeen

Meeting: 11th November 1887

Proposed by Mr A. Y. Frazer

Recorded by Dr. J. S. Mackay

Office bearers for the session were elected as follows:

President Mr W. J. Macdonald M.A., F.R.S.E.
Vice president Mr George A. Gibson M.A.
Secretary Mr A. Y. Frazer M.A., F.R.S.E.
Treasurer Mr John Alison M.A.

Committee: Messrs R. E. Allardice M.A.,
Arch^d C. Elliott B.Sc., J. Grant Gilchrist M.A., B.Sc.,
W^m Peddie B.Sc., F.R.S.E., Dr. Thomson and Rev
John Wilson M.A., F.R.S.E.

~~Dr. Thomson~~ Of the above Messrs Allardice & Peddie were elected to edit the Proceedings.

Dr. Mackay intimated that the Mathematical Society of France was engaged in the preparation of a classified bibliography of periodical mathematical literature, and invited the cooperation of members of the Edinburgh Math. Society.

Minutes of meeting held on 9th Dec 1887
in the Edin^g Institution - Mr W.S. Mac-
donald President in the chair.

Mr R. E. Allardie gave a paper
on A method of transformation in Geo-
metry, and thereafter the members en-
gaged in a conversation on the teaching
of arithmetic. Nine ^{of the} members took part
in the conversation, and at the invitation of
the chairman, two visitors (Baillie Russell
& Mr Gilmore) also spoke. On the motion
of Mr Robert Robertson the conversation which
had lasted an hour & a half was adjourned.

Mr Chas McLeod M.A. assist prof math
Aberdeen University was elected a member.

The following were proposed for mem-
bership:*

1. Mr Peter Bennett

Glasgow & West of Scotland Technical Coll
Andersonian Buildings
Glasgow

Prop^d by Mr Geo A Gibson

Sec^d by Mr A. Y. Fraser

2. Rev R. D. Ritchie B.D.

Meeting: 9th December 1887

because of some
Ayrshire
puff - by Mr. Andrew Thomson
and by Mr. H. Y. Fraser

Minutes of meeting held on the 13th Jan 1888
in the Edin- Institution - Mr. W. D. Mac-
donald president in the chair.

Mr. R. E. Allardie gave a proof
of Stirling's approximation to $\frac{1}{n}$ when
 n is large; and Mr. H. Y. Fraser showed
a mechanical device found in the ana-
lysis of intervals and chords in music.

The conversation on the teaching of arith-
metic was resumed, and after a short
discussion a committee of four viz
Mr. W. D. Macdonald, Dr. Mackay, Mr. Robt.
Robertson and the Secretary - was appointed
to bring together suggestions and report to
the next meeting.

Mr. Peter Bennett and Rev R. J. Ritchie
were elected members.

Meeting: 13th January 1888

Minutes of meeting held on 10th Feb 1888
in the Edinburgh Institution - Mr. W. J. Mac-
donald president in the chair.

Prof Chrystal gave a paper on the
inequality $n x^{n-1} (x-1) \geq x^n - 1 \geq n(x-1)$
and its consequences, and Mr. W. Peddie
exhibited and explained a plaster cast
of the form of the thermodynamic surface
of water substance near the triple point.
The Secretary gave in a report of the Com-
mittee on the Teaching of Gravimetric. He
intimated that the committee had met
and drawn up a series of questions which
it was proposed to submit for the opinion
of members before a definite report
should be drawn up. It was agreed
to issue a circular with these questions.
Mr. Barclay was added to the committee

W. J. Macdonald

Minutes of Meeting held on the
9th March in the Edinburgh Institution - Dr.
Brown in the chair

Meeting: 10th February/9th March 1888

D. J. S. Mackay read a paper by M. Paul Aubert "On the circle which is tangential to one circle and orthogonal to another", and Rev John Wilson gave a new proof of the nine point circle.

The secretary intimated that to the circulation of queries on arithmetic only one reply had been received; and after some conversation several members promised to forward to the committee answers to some of the questions.

Minutes of meeting held on 13th April 1888 in the Edinburgh Institution - 4th Mr. J. Macdonald in the chair

Mr. George A Gibson gave an extension of a theorem of Abel's in summation to integration. D. J. S. Mackay read a paper by Mr. R. E. Allardice on the inscription of a triangle of given shape in a given triangle

Meeting: 13th April 1888

and afterwards gave an account of the treatment of the progressions by the ancients as it has been preserved by Pappus.

Minutes of meeting held on 11th May 1888 in the Edinburgh Institution
Mr W Macdonald in the chair.

Dr W. Peattie gave an account of a paper on Vortices by Mr Charles Cree, and Dr T. S. Mackay gave a paper on Similitude and Inversion

Minutes of meeting held on 8th June 1888 in the Edin^g Institution. Mr W Macdonald, president in the chair

Mr R. S. Mardia gave a construction for the Brocard points, and the secretary announced

Meeting: 11th May/8th June 1888

The report by the committee on the teaching of civiltude. The report after discussion and amendment was adopted. The secretary was instructed to send copies of it to H.M.I.S for Scotland.

It was resolved to invite subscriptions for the printing of Volume II; and that the price to members of Vols II to VI should be 5/-

On the motion of the chairman a vote of thanks to Dr. Ferguson for the use of his rooms was heartily carried.

The following were proposed for election at the next meeting

1. D. F. Lowe M.A., F.R.S.E.
Geo Heriot's Hospital School Edin²
2. Asutosh Mukhopadhyay M.A., F.R.A.S., F.R.S.E.
Bhowanipore, Calcutta
3. W. Wilson M.A.
Geo Heriot's Hospital School Edin²
4. Rev W. A. Reid M.A.
75 Union St Aberdeen
Propd by A. M. Fraser
Secd by D. Mackay

5. A. C. Mitchell MSc

Physics Laboratory Univ. of Edin.

Prop'd by Mr Reddie

Sec'd by Mr R. E. Allardice

It was resolved that Mr. Mukhopadhyay become a life member on payment of $10 \times 7/6$, and that this should not be considered as a precedent.