

# EMS Minutes: Volume 1: pages 80 to 86

## 1889-90: Eighth session

### Eighth Session

minutes of meeting held on 8<sup>th</sup> Nov. 1889 in the Edinburgh Institution - Mr George A. Gibson, president in the chair. Mr Gibson read a paper entitled 'Green's and allied theorems: a historical sketch'; and Dr J. S. Mackay gave a paper on 'Some new properties of the triangle'. Mr A. Y. Fraser vice-president took the chair while the first paper was being read.

The following were proposed for election at next meeting:-

1. Mr Frank H. Jackson, B.A.  
St. Peter's College  
Cambridge.  
Proposed by Mr Allison  
Seconded by Mr R. E. Allardie
2. Mr J. F. McKean, M.A.  
Edinburgh University  
Prop<sup>d</sup> by Mr Allardie  
Sec<sup>d</sup> by Mr Allison
3. Mr Angus McLean, B.Sc., C.E.  
Andersonian College  
Glasgow.

Meeting: 8th November 1889

Proposed by Mr G. A. Gibson  
Seconded by Mr Alison.

4. Mr. James Archibald, M.A.

Warrender Park School

Edinburgh

Proposed by Mr Butters

Seconded by Mr Alison.

The Treasurer submitted the financial statement for the past session which showed a balance of £11-5-6 in favour of the Society.

The following office bearers for the Session were elected:-

President:- Mr A. Y. Fraser, M.A., F.R.S.E.,

Vice-President:- Mr R. E. Allardice, M.A., F.R.S.E.,

Secretary:- Mr John Alison, M.A., F.R.S.E.,

Treasurer:- Rev. John Wilson, M.A., F.R.S.E.,

Committee:- Messrs J. W. Butters, ~~M.A.~~

A. C. Elliott, D.Sc., C.E.

A. C. Mitchell, B.Sc., F.R.S.E.

J. T. Morrison, M.A., B.Sc.

Professor Steggall, M.A., F.R.S.E.

and Mr William Wallace, M.A.

Editor of Proceedings:- Mr R. E. Allardice.

R. E. Allardice.

Minutes of Meeting held on  
13<sup>th</sup> December 1889 in the Edinburgh  
Institution - Mr R. E. Allardice,  
vice-president, in the chair.

Professor Steggall gave a paper  
on 'A Special case of three-bar  
motion', and exhibited an exhaustive  
series of diagrams of the curves  
made by the tracing point.

Mr Allardice (while Mr J. A. Gibson  
took the chair) discussed some  
'Theorems in the Theory of Numbers';  
and Mr K. H. Pinkerton gave a  
'Notice on Normals to Conics'.

The following were elected ordinary  
members:-

Messrs Frank H. Jackson,  
J. F. McKean, Angus McLean, and  
James Archibald.

For election at next meeting

Mr W. G. Walton; 7.7. a.

Scottish Provident Office (6 St Andrew's Sq.)

was proposed by Prof. Steggall  
and seconded by Mr Alison.

George R. Gibson

Meeting: 13th December 1889

minutes of meeting held on 10<sup>th</sup> Janry.  
1890 in the Edinburgh Institution -

Mr George A. Gibson in the Chair.

Mr Allardie read a note on a  
curious operational theorem by Prof. Pait;  
and contributed two papers on A property  
of odd and even polygons and on  
Some Properties of the quadrilateral.

An Apparatus of Prof. Pait's was exhibited  
which gives the same curve as a  
glissette, either of a hyperbola or an  
ellipse.

Mr. W. G. Walton was elected an  
ordinary member.

R. E. Allardie, V.P.

Minutes of meeting held on 28<sup>th</sup>  
Febry. 1890 in the Edinburgh Institu-  
tion - Mr R. E. Allardie, vice-president,  
in the chair. Sir William Thomson  
read a paper on Modulus of Elasticity  
in an elastic solid according to Bos-

Meeting: 10th January/28th February 1890

conic's theory.

R. S. Allardice

Minutes of meeting held on 14<sup>th</sup>  
March 1890 in the Edinburgh  
Institution - Mr R. S. Allardice  
vice-president, in the Chair.

Mr J. B. Sprague gave a paper  
on the possible non-linear arrangements  
of eight men on a chess board.

Mr Allardice read a communication  
from Mr Charles Chree on the equations  
of vortex motion with special  
reference to the use of polar co-ordinates;  
and thereafter discussed a problem  
in permutations.

R. S. Allardice

Minutes of meeting held on  
11<sup>th</sup> April 1890, in the Edinburgh

Meeting: 14th March/11th April 1890

Institution, Mr R. E. Allardice, vice-president in the chair.

Dr A. C. Elliott read two papers  
(1) on a Hydromechanical Theorem, and  
(2) on Rankine's Theory of Earth Pressure.

R. E. Allardice

Minutes of Meeting held on 9<sup>th</sup> May  
1890 in the Edinburgh Institution -  
Mr R. E. Allardice, vice-president,  
in the chair.

Mr John Doyall gave a paper  
and certain expression for a spherical  
Harmonic with some extensions; and  
Mr J. T. Morrison read a paper  
giving some suggestions on the Elementary  
Teaching of Electricity.

R. E. Allardice

Meeting: 9th May 1890

Minutes of meeting held on 13<sup>th</sup>  
June 1890 in the Edinburgh Institution -  
Mr R. E. Allardice, vice-president, in the  
chair. Mr R. E. Allardice read a note  
from a letter by Prof. Cayley on the  
orthomorphic transformation of the  
circle into itself, and contributed  
a note on Menelaus's theorem. Dr  
W<sup>m</sup> Peddie read a paper by Prof. Tait  
entitled 'Quaternion synopsis of Hertz's  
view of the Electrodynamical Equations,  
and Dr J. S. Mackay gave historical  
notes on two geometrical theorems.

For election at next meeting

Mr Alex. C. Mackay

3 Bernard Ter.

was proposed by Mr Alison

and seconded by Mr Allardice.

On the motion of the Chairman a  
hearty vote of thanks was accorded to  
Dr R. M. Ferguson for his kindness in  
granting the Society the use of his  
rooms.

R. E. Allardice

Meeting: 13th June 1890