

# EMS Minutes: Volume 1: pages 333 to 339

## 1920-21: Thirty ninth session

Session 1920-21.

### Thirty - Ninth Session.

12.11.20.

Minutes of meeting held on Friday, 12<sup>th</sup> Nov. 1920 in the University, Edinburgh, Mr McArthur, President, in the chair. The following papers were read:-

1. On Inverse Probability, by W. L. Thomson;
2. A Problem in engineering Geology, by F. W. Moon, communicated by W. L. Thomson.

Dr Horsburgh, the honorary treasurer, submitted his annual report, which showed balances in favour of the Society of £129.15.8 on the Capital Account and £55.13.9 on the Cash Account.

Mr Gibb submitted his report as librarian, showing that during the past session the current numbers of 33 periodicals had been obtained by exchange, and 22 pamphlets had been presented by their authors. The card catalogue of the library was up to date.

On the motion of the Chairman these reports were adopted, and Dr Horsburgh and Mr Gibb were thanked for their services.

The following office-bearers were elected for

Meeting: 12th November 1920

session 1920-21 :-

President, David Gibb, M.A., B.Sc., F.R.S.E.

Vice-President, T.M. MacRobert, M.A., D.Sc.

Hon. Secretary, Peter Ramsay, M.A., B.Sc., F.R.S.E.

Hon. Treasurer, E.M. Horsburgh, M.A., D.Sc., A.M.I.C.E.

Editors of Proceedings { Arch. Milne, M.A., D.Sc., F.R.S.E.  
G.D.C. Stokes, M.A., D.Sc.

Committee - Neil McArthur, M.A., B.Sc.

Professor C.J. Whittaker, Sc.D., F.R.S.

Glenny Smeal, B.Sc.

Margaret P. White, M.A., B.Sc.

Marta A. Dallas, M.A.

J. D. Fulton, M.A., B.Sc.

Library Committee - Mr Gibb (Convener), Mr Smeal  
and Miss White.

Mr Charles A. Lee and Mr Robert R. Stewart  
were elected ordinary members of the Society.

The following were nominated for membership -

Mr Bevan B. Baker, M.A., B.Sc.,

Mathematical Department, Edinburgh University.

Mr John T. Brown, M.A., B.Sc., Allan Glen's School, Glasgow.

Mr David Jack, M.A., B.Sc., Natural Philosophy Depart-  
-ment, Edinburgh University.

Mr J. B. Lockhart, M.A., Edinburgh Academy.

Mr Roderick McCallum, M.A., B.Sc., Edinburgh Ladies' College.

Mr Edward L. Milne, M.A., B.Sc., Alloa Academy.

Mr George Robinson, Mathematical Department, Edinburgh University.

Mr Thomas Wylie, M.A., George Watson's College, Edin.

Thomas M MacRobert

Vice-President

10-12-20. Minutes of meeting held on Friday 10<sup>th</sup> December 1920 in the University, Glasgow, Dr MacRobert, Vice-President, in the chair. The following papers were read :-

1. Analytical Treatment of the Cam problem, by Dr Stokes.
2. Multiply perspective polygons inscribed in a plane cubic curve, by Dr Taylor, communicated by Mr McArthur.
3. Converse of the Le Roy - Lindelöf Theorem, by T. A. Brown.

Messrs. Baker, Brown, Jack, Lockhart, McCallum, Milne, Robinson and Wylie were elected ordinary members of the society.

The following were nominated for membership -  
Miss Janet F. Rodger, M.A., 1 Royal Terrace, Springburn, Glasgow.

Meeting: 10th December 1920

Miss Ann S. Haig, M.A., Borroughmuir School, Edinburgh  
Mr J. Marshall, M.A., B.Sc., Broughton School, Edinburgh.  
Mr Rob<sup>t</sup> D. McIlroy, M.A., Hillhead High School, Glasgow.

On the motion of the chairman, Professor and  
Mrs Gibson were thanked for their hospitality to  
members of the society.

David Gibb  
President.

14.1.20.

Minutes of meeting held on Friday, 14<sup>th</sup> January  
1921 in the University, Edinburgh, Mr Gibb, President,  
in the Chair. The following papers were read:-

1. Some Extensions of Pincherle's Polynomials, by  
P. Humbert, communicated by Professor Whittaker;
2. Asymptotic Expressions for the Bessel Functions  
and the Fourier-Bessel Expansions, by Dr MacRobert;
3. On the Average Value of a Variant Magnitude, by  
H. Todd, communicated by the Secretary.

Misses Rodger and Haig and Messrs. Marshall  
and McIlroy were elected ordinary members of the society

The following were nominated for membership -

Miss G. M. Pagan, Mathematical Department, Edinburgh  
University,  
and Mr John D. Mackie, M.A., B.Sc., 19 Berriford Avenue, Leith.

C. T. Whittaker  
1921 p. 11.

Meeting: 14th January 1921

11.2.21.

Minutes of meeting held on Friday, 11<sup>th</sup> February, 1921 in the University, Edinburgh, Professor Whittaker in the Chair. A paper by Dr D.G. Taylor, entitled "Addition of a Third of a Period to the Argument of the Elliptic Function", was communicated by Dr MacRobert. Notes on Analytical Geometry were contributed by Messrs Arthur and McArthur. Miss Pagan and Mr Mackie were elected ordinary members of the Society.

David Gibb  
President

11.3.21.

Minutes of meeting held on Friday, 11<sup>th</sup> March 1921, in the University, Edinburgh, Mr James Archibald in the Chair. "A Problem in Dynamics" was the title of a paper submitted by Professor E.B. Ross and Mr Bevan B. Baker jointly. Mr Baker gave an account of the Function Theory involved, while Professor Ross dealt with the calculation and showed graphical abaci which had taken much labour in construction and which summarised the results of the investigation.

David Gibb  
President.

Meetings: 11th February 11th March 1921

13.5.21.

Minutes of meeting held on Friday, 13<sup>th</sup> May 1921, in the University, Edinburgh, Mr Gibb, President, in the chair. The following papers were read:-

1. On the relation between Fincherle's Polynomials and the Hypergeometric Functions, by Bevan B. Baker
2. The Inverse Problem of Isoptic Loci, by Professor J. A. Strang, communicated by J. D. Fulton

A note by Professor R. W. Genese on a supplement to Gauss's Theorem on the sum of two squares was communicated by the secretary.

The following were nominated for ordinary membership of the society:-

Mr S. L. Green, M.Sc., East London College, University of London;

Mr. James Hyslop, M.A., Criffel View, Ratchell Park, Dumfries.

Thomas M. MacRobert  
Vice-President

10.6.21

Minutes of meeting held on Friday, 10<sup>th</sup> June 1921, in the University, Glasgow, Mr Gibb, President, in the chair. The following papers were read:-

1. On some Map Projections, including the story of Mercator's Projection - a chapter in the history of

Meetings: 13th May 10th June 1921

- mathematics, by Professor H. S. Carslaw.
2. On Taylor's Theorem and Bernoulli's Theorem,  
by Professor G. A. Gibson.

Messrs S. L. Green and James Hyslop were  
elected ordinary members of the Society.

There were nominated for membership  
Mr John McCaig, M.A., Ardrossan Academy;  
Mr William G. Burrell, M.A., Royal Technical College,  
Glasgow.

On the motion of Dr MacRobert, who had taken  
the Chair on the departure of the President,  
Professor and Mrs Gibson were thanked for  
their hospitality to members of the Society.

David Gubb,  
President

# FINANCIAL STATEMENT FOR THE SESSION 1919-20

## CAPITAL ACCOUNT.

Bond - - - - -	£57 14 4		Interest to Cash Account - - - - -	£3 0 0
Bank Balance (November 1919) - - - - -	21 18 9		Bond - - - - -	60 7 7
Interest - - - - -	3 4 7		Bank Balance (November 1920) - - - - -	69 8 1
Life Membership Fees - - - - -	44 18 0			
Donation - - - - -	5 0 0			
	<u>£132 15 8</u>			<u>£132 15 8</u>

## CASH ACCOUNT.

Bank Balance (November 1919) - - - - -	£1 2 9		Printer's Account - - - - -	£56 14 9
Interest and Discount - - - - -	1 14 8		Janitor and Room - - - - -	1 10 3
Special Appeal Fund - - - - -	1 0 0		Insurance and Bank Charges - - - - -	0 13 8
Contribution to Printing - - - - -	8 17 6		Postages and Sundries - - - - -	2 10 10
Sale of <i>Proceedings</i> - - - - -	13 19 1		Bank Balance (November 1920) - - - - -	55 13 9
Annual Subscriptions - - - - -	87 9 6			
Interest from Capital - - - - -	3 0 0			
	<u>£117 3 6</u>			<u>£117 3 6</u>

15th November 1920.—Audited and found correct.

(Signed)     DAVID GIBB,  
                  GLENNY SMYAL, } *Auditors,*

# EDINBURGH MATHEMATICAL SOCIETY

THIRTY-NINTH SESSION, 1920-21.

THE SECOND ORDINARY MEETING for the Session  
will be held on *Friday, 10th December, at 6.30 p.m.*,  
in the MATHEMATICAL CLASSROOM, THE UNIVERSITY,  
GLASGOW.

## BUSINESS.

1. Analytical Treatment of the Cam Problem . . . . . Dr G. D. C. STOKES.
2. Multiply Perspective Polygons inscribed in a Plane  
Cubic Curve . . . . . Dr. D. G. TAYLOR.  
(To be Communicated by N. M'ARTHUR)
3. Converse of the Le Roy-Lindelöf Theorem . . . . . T. A. BROWN.

Professor and Mrs Gibson "At Home," 10 The University,  
Glasgow, from 5.30 to 6.30

## Office-Bearers for Session 1920-21.

*President* . . . . . DAVID GIBB, M.A., B.Sc., F.R.S.E.  
*Vice-President* . . . . . T. M. MACROBERT, M.A., D.Sc.  
*Hon. Secretary* . . . . . PETER RAMSAY, M.A., B.Sc., F.R.S.E.  
*Hon. Treasurer* . . . . . E. M. HORSBURGH, M.A., D.Sc., A.M.I.C.E.  
*Editors of* ) ARCHIBALD MILNE, M.A., D.Sc., F.R.S.E.  
*Proceedings* ( G. D. C. STOKES, M.A., D.Sc.

## Committee

NEIL M'ARTHUR, M.A., B.Sc.  
Professor E. T. WHITTAKER, Sc.D., F.R.S.  
GLENNY SMEAL, B.Sc.  
MARGARET P. WHITE, M.A., B.Sc.  
MARTA A. DALLAS, M.A.  
J. D. FULTON M.A., B.Sc.

## Library Committee.

Mr GIBB (Convener), Mr SMEAL, and Miss WHITE.

The Subscription of **Ten Shillings** for the current Session is now due, and is payable to the Hon. Treasurer,

E. M. HORSBURGH, M.A., D.Sc., A.M.I.C.E.,  
11 GRANVILLE TERRACE, EDINBURGH.

PETER RAMSAY, *Hon. Sec.*,

63 COMISTON DRIVE, EDINBURGH

Committee Meeting at 6 p.m