

EMS Minutes: Volume 1: pages 295 to 303

1915-16: Thirty fourth session

Session 1915-16

Thirty - Fourth Session.

12.11.15

Minutes of meeting held on Friday, 12th Nov 1915, in the University, Edinburgh, Professor Whittaker, president in the chair. The following papers were read: -

1. The solution of difference equations by continued fractions by Professor J. A. Strang, communicated by Mr Arch Milne.
 2. (a) A suggested measure of relationship
(b) The equation $x^3 + y^3 + z^3 + u^3 = 0$, when x, y, z, u are rational by Professor J. E. A. Steggall.
 3. Notes on a triangle by G. E. Crawford, communicated by Mr T. A. Brown.
 4. Easy geometrical proof of a theorem of Chasles, by Lieut Edward Press, communicated by Mr J. Mackenzie.
- Mr Russell, Hon Treasurer, read his report which showed that there was a total balance to the credit of the society of £97-16-6. On the motion of the President the report was adopted & Mr Russell thanked for his services.

Meeting: 12th November 1915

The secretary read the Hon Librarian's report which showed that 26 periodicals had been received in exchange for the society's Proceedings and 14 books and pamphlets had been presented to the society by their authors. The report was adopted & Mr Gibb thanked for his services.

The following office-bearers were elected for session 1915-1916.

President	Alex D. Russell, B.Sc., F.R.S.E., F.R.A.S.
Vice President	Neil McArthur, M.A., B.Sc.
Hon. Secretary	Peter Courie, M.A., B.Sc., F.R.S.E.
Hon. Treasurer	E. M. Horsburgh, M.A., B.Sc., Assoc. M. Inst. C.E.
Editors of Proceedings	R. J. T. Bell, M.A., D.Sc. Archibald Wilson, M.A., B.Sc., F.R.S.E.
Editor of Mathematical Notes	G. D. G. Stokes, M.A., D.Sc.
Library Committee	David Gibb, M.A., B.Sc., F.R.S.E. Glenny Smeal B.Sc. Hon. Secretary.
Committee	Professor E. T. Whittaker, Sc.D., F.R.S. George Philip, M.A., D.Sc. T. M. MacRobert, M.A., B.Sc. Peter Ramsay, M.A., B.Sc., F.R.S.E.

Messrs Adams & Covey and Messrs Barnum were elected members of the society.

The following were candidates for membership

1. S. Brodetsky D.Sc.
Lecturer on Mathematics, The University, Bristol
2. T. A. Brown M.A., B.Sc., 141 Craighlea Drive, Edinburgh
3. James W. Dippy, 33 Popes Grove, Twickenham.

The secretary on behalf of the committee moved that a life membership be instituted at a fee of £5-5/. This was approved of & it was remitted to the committee to consider what reduction, if any, might be granted to those who had been for many years members of the society.

Mr. D. Russell.

10.12.15 Minutes of meeting held on Friday 10th December, 1915 in the University, Glasgow
Mr Russell, president in the chair. The following papers were read.

1. Real Linear Substitutions with Equimodular Multipliers by D. G. Taylor, communicated by T. M. MacRobert.
2. On the Linear Differential Equation of the Second Order by S. Brodetsky, communicated by H. Levy.

Meeting: 10th December 1915

3. Fourier's Integral by T. A. Brown.

Dr Brodetsky + Messrs Brown and Dippy
were elected ordinary members

The following were candidates for membership

1. Professor J. A. Strang, Banmij College, Lucknow.

2. H. Dotta, B.Sc. Math Department, University, Edinburgh.

3. Gas Chemist M.A., B.Sc. " " , University, Glasgow

The society, on the recommendation of the
committee agreed that the payment of five
guineas for life membership should be
subject to a reduction of one guinea for each
period of ten years' membership of the society.

On the motion of the president Professor + Mrs
Gibson were thanked for their hospitality to the
members of the society.

Alex. D. Russell.

14.1.16

Minutes of meeting held on Friday, 14th January 1916 in the University, Edinburgh, Mr Russell, President in the chair. The following papers were read:-

1. On the continued fractions of Chebichev and Laguerre by H. Datta.
2. The conformal representation of the quotient of two Bessel functions by Arch Irvine.

Professor Strang & Messrs Datta and Phemister were elected ordinary members.

The following were candidates for membership:-

1. Professor K. K. Bose, Reid Christian College, Lucknow
2. Ralph W. Barton, A.B., Lombard College, Galesburg, Illinois. U. S. A.
3. Albert H. Amor, M.E., A.M.I.C.E., F.G.S.,
2 Edrone Terrace, Blackrock, co Dublin.
4. John F. Tinto, M.A., D.Sc., Lyndhurst, Milton St., Carlisle.

Alex. D. Russell

11.2.16

Minutes of meeting held on Friday, 11th Feb, 1916 in the University, Edinburgh, Mr Russell, President in the chair. The following papers were read:-

Meetings: 14th January 11th February 1916

1. On the continued fractions associated with the Hypergeometric Equation by E. Lindsay Ince, communicated by Glenny Smeal.
 2. Note on the Peano-Baker method of solving linear differential equations by Arch. McAule.
 3. On integral relations connected with the Confluent Hypergeometric Function by David Gibb.
 4. A simple form of Integrability by E. M. Horsburgh.
- Professor Bose, Messrs Barton, Amor, & Tinto were elected members of the Society.

Alex. D. Russell.

10.3.16

Minutes of meeting held on Friday, 10th March, 1916 in the University of Glasgow, Mr Russell, President, in the chair. The following papers were read:-

1. Transformations founded on the space cubic and its chord system by Dr John F. Tinto.
 2. Elliptic Cylindrical Harmonics by Dr John Dougall.
- Professor Tsuruichi Hagashi, Tohoku Imperial University, Sendai, Japan was proposed for membership of the Society.

Alex. D. Russell.

Meeting: 10th March 1916

12.5.16

minutes of meeting held on Friday, 12th May, 1916 in the University, Edinburgh, Mr Russell, president, in the chair. The following papers were read :-

1. The Linear Differential Equation of the Second Order by Dr. S. Brodetsky, communicated by Mr Horsburgh.
2. A new homogram for the Cubic Equation by Prof D. M. Y. Sommerville, communicated by Professor Whittaker.
3. On a Group of Parabolas associated with the Triangle by Dr G. Philip.
4. Birationally related Cubics by F. G Taylor, communicated by Mr Burgess. Professor Hayashi was elected an ordinary member.
Alex. D. Russell.

9.6.16

minutes of meeting held on Friday, 9th June, 1916 in the University, Edinburgh, Mr Russell, president, in the chair. The following papers were read :-

1. on the solution of Riccati's Equation by continued fractions by Prof E. T. Whittaker.
2. on Symmetric Determinants and Pfaffians by H. Batta.

Meetings: 12th May 9th June 1916

3. (a) The Polars of the Hessian of a cubic curve
(b) Determinantal systems of points
by Dr W. P. Milne, communicated by P. Ramsay
4. An involutive pencil of whole-plane
birationally related cubics by F. G. Taylor
communicated by A. G. Burgess.

On the motion of the president Professor &
Mrs Whitaker were thanked for their hospitality
to the members of the society during the session

Alex. D. Russell.

Edinburgh Mathematical Society.

THIRTY-FOURTH SESSION, 1915-16.

THE SECOND ORDINARY MEETING for the Session will be held on *Friday, 10th December, at 7 p.m.*, in the MATHEMATICAL CLASSROOM, THE UNIVERSITY, GLASGOW.

BUSINESS.

1. Real Linear Substitutions with Equimodular Multipliers Dr D. G. TAYLOR.
(To be communicated by T. M. MACROBERT).
2. On the Linear Differential Equation of the Second Order - - - - - Dr S. BRODETSKY.
(To be communicated by H. LEVY).
3. Fourier's Integral - - - - - T. A. BROWN.

Professor and Mrs Gibson "At Home," to The University, Glasgow, from 5.30 to 7 p.m.

Office-Bearers for Session 1915-16.

President - - - ALEX. D. RUSSELL, B.Sc., F.R.S.E., F.R.A.S.
Vice-President - - - NEIL M'ARTHUR, M.A., B.Sc.
Hon. Secretary - - - PETER COMRIE, M.A., B.Sc., F.R.S.E.
Hon. Treasurer - - - E. M. HORSBURGH, M.A., B.Sc., Assoc. M. Inst. C.E.
Editors of Proceedings - { R. J. T. BELL, M.A., D.Sc.
ARCHIBALD MILNE, M.A., B.Sc., F.R.S.E.
Editor of Mathematical Notes, G. D. C. STOKES, M.A., D.Sc.

Library Committee.

DAVID GIBB, M.A., B.Sc., F.R.S.E.
GLENNY SMEAL, B.Sc.
HON. SECRETARY.

Committee.

Professor E. T. WHITTAKER, Sc.D., F.R.S.
GEORGE PHILIP, M.A., D.Sc.
T. M. MACROBERT, M.A., B.Sc.
PETER RAMSAY, M.A., B.Sc., F.R.S.E.

Subscriptions are payable to the *Hon. Treas.*,
E. M. HORSBURGH, M.A., B.Sc., Assoc. M. Inst. C.E.,
11 GRANVILLE TERRACE, EDINBURGH.

PETER COMRIE, *Hon. Sec.*,
19 CRAIGHOUSE TERRACE.

Committee Meeting at 6.50.

FINANCIAL STATEMENT FOR SESSION 1914-15.

INCOME.		CAPITAL ACCOUNT.	EXPENDITURE.	
1914.			1915.	
Nov.	Balance - - - -	£125 15 10	Nov.	Contribution to Cash Account (Life Members) - - -
1915.				£3 7 6
Nov.	Sale of <i>Proceedings</i> - - -	4 16 9		Special Contribution to Cash Account - - - - -
	Sale of <i>Mathematical Notes</i> - - -	0 15 0		25 0 0
				Bookbinder's Account - - -
				5 3 7
				Balance - - - - -
				97 16 6
		<u>£131 7 7</u>		<u>£131 7 7</u>

CASH ACCOUNT.				
1915.			1914.	
Nov.	190 Annual Subscriptions - -	£71 5 0	Nov.	Balance - - - - -
	Two Part Subscriptions - -	0 11 1		£12 16 6
	Contribution from Capital Account	3 7 6	1915.	
	Special Contribution from Capital Account - - - - -	25 0 0	Nov.	Printer's Account - - - -
	Bank Interest - - - - -	3 1 11		80 10 0
				Bookbinder's Account - - -
				4 10 9
				Insurance Premium - - - -
				0 5 0
				Rooms and Janitors' Fees - -
				1 11 0
				Bank Charges - - - - -
				0 4 0
				Stationery - - - - -
				1 2 6
				Postages and Sundry Expenses -
				2 5 9
		<u>£103 5 6</u>		<u>£103 5 6</u>

Balance in favour of Society, £97 16s. 6d.

ROBT. J. T. BELL, }
GEORGE PHILIP, } *Auditors.*

ALEX. D. RUSSELL, *Hon. Treasurer.*