

**TRANSACTIONS OF THE  
EDINBURGH OBSTETRICAL  
SOCIETY. VOL. XXVIII**

Published @ 2017 Trieste Publishing Pty Ltd

ISBN 9780649723881

Transactions of the Edinburgh Obstetrical Society. Vol. XXVIII by Edinburgh Obstetrical Society

Except for use in any review, the reproduction or utilisation of this work in whole or in part in any form by any electronic, mechanical or other means, now known or hereafter invented, including xerography, photocopying and recording, or in any information storage or retrieval system, is forbidden without the permission of the publisher, Trieste Publishing Pty Ltd, PO Box 1576 Collingwood, Victoria 3066 Australia.

All rights reserved.

Edited by Trieste Publishing Pty Ltd.  
Cover @ 2017

This book is sold subject to the condition that it shall not, by way of trade or otherwise, be lent, re-sold, hired out, or otherwise circulated without the publisher's prior consent in any form or binding or cover other than that in which it is published and without a similar condition including this condition being imposed on the subsequent purchaser.

[www.triestepublishing.com](http://www.triestepublishing.com)

**EDINBURGH OBSTETRICAL SOCIETY**

**TRANSACTIONS OF THE  
EDINBURGH OBSTETRICAL  
SOCIETY. VOL. XXVIII**



---

THE TRANSACTIONS  
OF THE  
EDINBURGH OBSTETRICAL SOCIETY.

VOL XXVIII.

SESSION 1902-1903.

EDINBURGH: OLIVER AND BOYD  
PUBLISHERS TO THE SOCIETY.  
1903.

---

## P R E F A C E.

---

THIS, the twenty-eighth volume of the Society's Transactions, contains a record of its proceedings during the Session 1902-1903.

In it, as in former volumes, the views brought forward in the Papers are to be considered as those of the writers themselves, and not as those of the Society as a body.

THE EDITOR.

*October 1903.*

# EDINBURGH OBSTETRICAL SOCIETY.

---

## OFFICE-BEARERS FOR SESSION 1902-1903.

---

### President.

JAMES RITCHIE, M.D., F.R.C.S. Ed., F.R.C.P. Ed.

### Vice-Presidents.

JAMES HAIG FERGUSON, M.D., F.R.C.P. Ed., F.R.C.S. Ed., M.R.C.S. Eng.  
PROFESSOR ALEXANDER RUSSELL SIMPSON, M.D., F.R.C.P. Ed.

### Treasurer.

WILLIAM CRAIG, M.D., F.R.C.S. Ed., 71 Bruntsfield Place.

### Secretaries.

WILLIAM FORDYCE, M.D., F.R.C.P. Ed., 20 Charlotte Square.  
JAMES LAMOND LACKIE, M.D., F.R.C.P. Ed., 1 Randolph Crescent.

### Librarian.

FRANCIS WILLIAM NICOL HAULTAIN, M.D., F.R.C.P. Ed., 17 Rutland St.

### Editor of Transactions.

JAMES LAMOND LACKIE, M.D., F.R.C.P. Ed., 1 Randolph Crescent.

### Members of Council.

DAVID BERRY HART, M.D., F.R.C.P. Ed.  
ROBERT MILNE MURRAY, M.B., F.R.C.P. Ed.  
NATHANIEL THOMAS BREWIS, M.D., F.R.C.P. Ed., F.R.C.S. Ed.  
ROBERT COCHRANE BUIST, M.D., C.M., Dundee.  
SIR JOHN HALLIDAY CROOM, M.D., F.R.C.S. Ed., F.R.C.P. Ed.  
GEORGE MATHESON CULLEN, M.D., C.M.  
MICHAEL DEWAR, M.D., C.M.  
JAMES ERNEST MOORHOUSE, M.D., C.M., Stirling.

## List of Presidents, Vice-Presidents, Treasurers, Secretaries, and Librarians of the Society.

### PRESIDENTS.

	Year.		Year.
Dr William Bellby, . . . . .	1840-41	Dr Angus Macdonald, . . . . .	1880-81
Sir James Y. Simpson, Bart., . . . . .	1842-57	Professor A. R. Simpson, . . . . .	1882-83
Dr John Moir, . . . . .	1858-59	Dr John Connel, . . . . .	1884-85
Dr Alex. Keiller, . . . . .	1860-61	Sir J. Halliday Croom, . . . . .	1888-87
Dr T. H. Pattison, . . . . .	1862-63	Dr C. E. Underhill, . . . . .	1888-89
Dr T. Graham Weir, . . . . .	1864-65	Dr D. Barry Hart, . . . . .	1890-91
Sir James Y. Simpson, Bart., . . . . .	1868-67	Professor A. R. Simpson, . . . . .	1892-93
Dr John Burn, . . . . .	1868-69	Dr A. H. Fresland Barbour, . . . . .	1894-95
Dr Charles Bell, . . . . .	1870-71	Dr Alexander Ballantyne, . . . . .	1896-97
Dr L. R. Thomson, . . . . .	1872-73	Sir J. Halliday Croom, . . . . .	1898-99
Dr Matthews Duncan, . . . . .	1874-75	Dr R. Milne Murray, . . . . .	1900-01
Professor A. R. Simpson, . . . . .	1876-77	Dr James Ritchie, . . . . .	1903
Dr David Wilson, . . . . .	1878-79		

### VICE-PRESIDENTS.

	Year.		Year.
Sir J. Y. Simpson, Bart., . . . . .	1840-41	Dr Angus Macdonald, . . . . .	1874-75
Dr Alex. Ziegler, . . . . .	1840-41	Dr R. Peel Ritchie, . . . . .	1874-75
Dr J. Cowan, B.N., . . . . .	1842	Dr James Young, . . . . .	1876-77
Dr Fairbairn, . . . . .	1842	Dr Alex. Milne, . . . . .	1876-77
Dr Charles Ransford, . . . . .	1843	Dr R. Peel Ritchie, . . . . .	1878-79
Dr R. B. Malcolm, . . . . .	1843	Dr Angus Macdonald, . . . . .	1878-79
Dr Charles Bell, . . . . .	1844	Professor A. R. Simpson, . . . . .	1880-81
John Kennedy, Esq., . . . . .	1844	Dr Robert Bruce, . . . . .	1880-81
Dr John Moir, . . . . .	1845-47	Dr James Carmichael, . . . . .	1882-83
Dr T. H. Pattison, . . . . .	1845-47	Sir J. Halliday Croom, . . . . .	1882-83
Dr Bellby, . . . . .	1845	Dr Angus Macdonald, . . . . .	1884
Dr T. Graham Weir, . . . . .	1845	Dr Charles E. Underhill, . . . . .	1884-85
Dr R. B. Malcolm, . . . . .	1848-63	Dr William Ziegler, . . . . .	1885
Dr John Moir, . . . . .	1849-68	Professor A. R. Simpson, . . . . .	1886-87
Dr T. Graham Weir, . . . . .	1854-65	Dr Leith Napier, . . . . .	1886
Dr John Moir, . . . . .	1854-65	Dr D. Barry Hart, . . . . .	1887-88
Dr W. Cumming, . . . . .	1856-67	Dr James Foulis, . . . . .	1888-89
Dr A. Thomson, . . . . .	1856-67	Dr A. J. Sinclair, . . . . .	1889
Dr T. H. Pattison, . . . . .	1858-69	Professor A. R. Simpson, . . . . .	1890
Dr David Wilson, . . . . .	1858-69	Dr Peter A. Young, . . . . .	1890-91
Dr T. Graham Weir, . . . . .	1860-61	Dr John Playfair, . . . . .	1891-92
Dr George S. Keith, . . . . .	1860-61	Dr Fresland Barbour, . . . . .	1892-93
Dr T. Graham Weir, . . . . .	1862-63	Dr A. Ballantyne, . . . . .	1893-94
Dr Alex. Keiller, . . . . .	1862-63	Dr James Ritchie, . . . . .	1894-95
Dr T. H. Pattison, . . . . .	1864-65	Sir J. Halliday Croom, . . . . .	1895-96
W. S. Carmichael, Esq., . . . . .	1864-65	Professor A. R. Simpson, . . . . .	1896-97
Dr John Burn, . . . . .	1866-67	Dr R. Milne Murray, . . . . .	1897-98
Dr Charles Bell, . . . . .	1866-67	Dr N. T. Brewis, . . . . .	1898-99
Dr William Bryce, . . . . .	1868-69	Dr J. W. Ballantyne, . . . . .	1899-1900
Dr J. A. Sidey, . . . . .	1868-69	Dr Samuel Macvie, . . . . .	1900-1901
Dr William Menzies, . . . . .	1870-71	Dr F. W. N. Haultain, . . . . .	1901-1902
Dr L. R. Thomson, . . . . .	1870-71	Dr J. Haig Ferguson, . . . . .	1902-1903
Professor A. R. Simpson, . . . . .	1872-73	Professor A. R. Simpson, . . . . .	1903
Dr J. Matthews Duncan, . . . . .	1872-73		

### TREASURERS.\*

	Year.		Year.
Dr Ransford, . . . . .	1840 to 1842	Dr J. A. Sidey, . . . . .	1869 to 1867
Dr G. Paterson, . . . . .	1842 to 1847	Dr James Young, . . . . .	1867 to 1875
Dr Cumming, . . . . .	1847 to 1854	Dr William Craig, . . . . .	1875
Dr Keiller, . . . . .	1854 to 1859		

\* Previous to 1861 the office of Treasurer was conjoined with that of Senior Secretary.



## SECRETARIES.

Year.		Year.	
Dr Ransford, . . .	1840 to 1842	Dr James Andrew, . . .	1871 to 1875
Dr G. Paterson, . . .	1840 to 1847	Dr Alexander Milne, . . .	1873 to 1875
Dr Dunamore, . . .	1842 to 1847	Dr C. E. Underhill, . . .	1875 to 1879
Dr Cumming, . . .	1847 to 1854	Dr James Carmichael, . . .	1875 to 1881
Dr Keith, . . .	1847 to 1849	Dr D. Berry Hart, . . .	1879 to 1883
Dr J. M. Duncau, . . .	1849 to 1852	Dr A. H. Freeland Barbour, . . .	1881 to 1886
Dr Keiler, . . .	1852 to 1859	Dr R. Milne Murray, . . .	1883 to 1889
Dr J. A. Sibley, . . .	1854 to 1861	Dr N. T. Brewis, . . .	1886 to 1893
Dr A. R. Simpson, . . .	1859 to 1865	Dr J. W. Ballantyne, . . .	1889 to 1896
Dr Peter Young, . . .	1861 to 1863	Dr F. W. N. Haultain, . . .	1893 to 1897
Dr W. Stephenson, . . .	1863 to 1867	Dr J. Haig Ferguson, . . .	1896 to 1901
Dr R. Peel Ritchie, . . .	1865 to 1873	Dr William Fordyce, . . .	1897
Dr G. Stevenson Smith, . . .	1867 to 1871	Dr Lamond Lackie . . .	1901

## LIBRARIANS.

Year.		Year.	
Dr J. Jamieson, . . .	1875 to 1879	Dr R. Milne Murray, . . .	1889 to 1899
Dr C. E. Underhill, . . .	1879 to 1883	Dr F. W. N. Haultain, . . .	1899
Dr Peter Young, . . .	1883 to 1889		

## EDITORS OF TRANSACTIONS.

Dr J. W. Ballantyne . . .	1896 to 1899	Dr J. Lamond Lackie, . . .	1901
Dr N. T. Brewis, . . .	1899 to 1901		

## LIST OF FELLOWS OF THE SOCIETY.

## HONORARY FELLOWS.

1898 Athill, Lombe, M.D., Monkstown Castle, Co. Dublin.	1891 Gasserow, Prof., Charité, Berlin.
1897 Bantock, Dr George Granville, 12 Granville Place, Portman Square, London, W.	1882 Hegar, Professor, Albert Ludwig's University, Freiburg.
1901 Bar, Prof. Paul, M.D., 122 Rue la Boétie, Paris.	1898 Kelly, Prof. Howard A., M.D., Johns Hopkins Hospital, Baltimore, U.S.A.
1882 Barnes, Dr Robert, Bernerstrasse, Eastbourne.	1892 Koebler, Dr Eugene, Strassburg.
1886 Bozeman, Dr Nathan, 296 Fifth Avenue, New York.	1898 Leopold, Prof. G., M.D., Seminar Strasse 25, Dresden.
1891 Bodin, Prof., Rue de la Faisanderie 54, Paris.	1895 Martin, Prof. Dr A., N. Graefswald.
1901 Chrobak, Professor E., University of Vienna.	1903 Moricani, Professor O., San Felice a Piazza Dante 10, Naples.
1898 Coe, Prof. Henry C., M.D., 27 East Sixty-fourth St., New York.	1892 Müller, Professor Peter, Bern, Switzerland.
1898 Cullingworth, Charles J., M.D., D.C.L., 14 Manchester Square, London, W.	1889 Olshausen, Professor, Frauenklinik, Artillerie Strasse 13, Berlin.
1898 Doyen, C., M.D., Rue Piccini 6, Paris.	1901 Ott, Professor D. von, M.D., Professor of Obstetrics, University of St Petersburg.
1882 Emmet, Dr, 93 Madison Avenue, New York.	1899 Pasquali, Professor Ercole, University of Rome, Corso Vittorio Emmanuele 305, Rome.
1903 Engelmann, Dr G. J., A.M., 208 Beacon St., Boston, U.S.A.	1902 Pastalozza, Professor, Via Alfani 60, Florence.
1900 Fehling, Professor Herman, M.D., Kaiser Wilhelm's University, Straasburg.	1895 Pinard, Professor A., 10 Rue Cambacérès, Paris.
1882 Freund, Emeritus Professor, W. Kleiststrasse 5, Berlin.	1898 Pozzi Professor S., M.D., Hôpital Broca, Paris.
1901 Fritsch, Prof. H., University of Bonn.	1903 Schauta, Professor, Kochgasse 16, Vienna.
1902 Garrigues, Prof. H. J., 107 East Seventy-third St., New York.	1882 Schultz, Professor B.S., University, Jena.
	1903 Segond, Dr Paul, Quai d'Orsay, Paris.

- |  |   |
|--|---|
| 1901 Sneguireff, Professor W., University of Moscow.                             | 1897 Williams, Sir John, Bart., M.D., LL.D., Plas Llanstephan, Carmarthenshire. |
| 1882 Tibona, Professor, Turin.   |   |
| 1876 Turner, Principal Sir W., K.C.B., LL.D., D.C.L., 6 Eton Terrace, Edinburgh. | 1882 Winckel, Prof. von, Ludwig-Maximilian's University, Munich.                |

## CORRESPONDING FELLOWS.

- |  |  |
|--|--|
| 1884 Arnott, Brig. Surg.-Lieut.-Col. Jas., Holland House, Murrayfield. | 1849 Lawrence, Dr Samuel, Montrose.                |
| 1887 Baumgartner, Dr H. S., Newcastle-on-Tyne.                         | 1887 Limont, Dr J., Newcastle-on-Tyne.             |
| 1892 Beilby, Dr J. H., Bromsgrove.                                     | 1887 Lord, Dr Richard, London.                     |
| 1868 Belgrave, Dr, Sydney.   | 1859 Macdonald, Dr F. R., Inveraray.               |
| 1888 Bentley, Dr Arthur J., Cairo.                                     | 1878 Macdougall, Dr John A., Cannes.               |
| 1880 Bosch, Dr Van Den, Liège.   | 1879 Machattie, Dr Thomas A., Australia.           |
| 1880 Brook, Dr W. J., Edinburgh.                                       | 1862 Mackay, Dr M. A., Canada.                     |
| 1863 Brown, Dr R. C., Preston.   | 1870 M'Kendrick, Prof., Glasgow.                   |
| 1887 Chepmell, Dr C. W. J., Ilford.                                    | 1869 M'Millan, Dr T. L., Australia.                |
| 1894 Crustolo, Prof. G. E., Rome.                                      | 1879 Marshall, Dr Thomas, London.                  |
| 1869 Davies, Mr Thos., Whittlesea.                                     | 1866 Martin, Dr Karl, Berlin.                      |
| 1873 Donovan, Mr W., Birmingham.                                       | 1888 Maslovsky, Dr, St Petersburg.                 |
| 1877 Engelmann, Dr G., Kreuznach.                                      | 1860 Milburn, Dr George, London.                   |
| 1896 Eyres, Hugh, Richmond.  | 1888 Mills, Dr B. Langley, India.                  |
| 1864 Finlay, Sir R. B., M.D., LL.D., K.C., M.P., London.               | 1897 Minchin, Dr, Charkow, Russia.                 |
| 1888 Fraser, Dr Dyce, Teddington.                                      | 1861 Mitchell, Sir Arthur, LL.D., Edinburgh.       |
| 1879 Glaister, Prof., Glasgow.   | 1877 Moolman, Dr Henry, South Africa.              |
| 1877 Grassett, Dr F., Toronto.   | 1869 Mossop, Mr Isaac, Bradford.                   |
| 1868 Grenser, Dr Paul W. T., Dresden.                                  | 1859 Myrtle, Dr A. S., Harrogate.                  |
| 1864 Grévé, Dr, Norway.  | 1884 Nava, Dr E. F., Kashmir.                      |
| 1875 Groesbeck, Dr Hermann J., New York.                               | 1848 Norris, Mr H., Petherton.                     |
| 1897 Günsberg, Charkow, Russia.  | 1857 Parker, Dr, Nova Scotia.                      |
| 1853 Hall, Dr D., Montreal.  | 1869 Paton, Dr J. W., Wansford.                    |
| 1870 Haynes, Dr Stanley L., Malvern.                                   | 1840 Peddie, Dr Alexander, Edinburgh.              |
| 1880 Helme, Dr J. M., Carnforth.                                       | 1885 Puckle, Dr S. Hale, Bishop's Castle.          |
| 1885 Helme, Dr T. A., Manchester.                                      | 1880 Reid, Dr James More, Aldershot.               |
| 1865 Henderson, Dr E., China.  | 1878 Serdukoff, Dr A., St Petersburg.              |
| 1898 Howard-Jones, Dr J., Newport.                                     | 1887 Shiels, Dr G. F., San Francisco.              |
| 1887 Hume, Dr T., Surgeon-Major, India.                                | 1865 Skinner, Dr T., London.                       |
| 1881 Hurst, Dr George, Australia.                                      | 1870 Smith, Dr D., Montrose.                       |
| 1882 Husband, Dr H. Aubrey, Manitoaba.                                 | 1890 Smith, Dr William, America.                   |
| 1893 Hutchison, Dr Robert, London.                                     | 1861 Stephenson, Prof. W., Aberdeen.               |
| 1894 Jennings, Dr David D., New York.                                  | 1888 Stevenson, Mr E. Sinclair, Cape of Good Hope. |
| 1871 Johnston, Dr A. C., R.N., Edinburgh.                              | 1854 Storer, Dr H., Boston, U.S.A.                 |
| 1882 Johnston, Surg.-Maj. Wilson, India.                               | 1875 Satugin, Dr V., St Petersburg.                |
| 1845 Keith, Dr George S., Currie.                                      | 1884 Thom, Dr Alexander, Peebles.                  |
| 1867 Kingston, Dr, Montreal.   | 1867 Thomson, Mr W., Wrenbury.                     |
| 1874 Kleinwächter, Prof. L., Grätz.                                    | 1860 Turner, Dr William, Gibraltar.                |
| 1871 Lambert, Dr, Paris.   | 1861 Veale, Dr H. R. L., London.                   |
|  | 1864 Whitford, Dr James, Greenock.                 |
|  | 1886 Whitton, Dr A. B., Aberchirder.               |
|  | 1865 Wollowicz, Dr C., St Petersburg.              |

## ORDINARY FELLOWS.

## ARRANGED CHRONOLOGICALLY.

Note.—Those marked with an asterisk have been Members of Council. Members of Council continue in office two years.

		Date of Admission.
*****	Professor Alexander Russell Simpson, M.D., F.R.C.P. Ed., . . . . .	1858
	*Peter Young, M.D., F.R.C.P. Ed., . . . . .	1859
	James Watt Black, M.D., F.R.C.P. Lond., London, . . . . .	1863
	John Linton, M.D., F.R.C.P. Ed., . . . . .	1863
5	*James Jamieson, M.D., F.R.C.S. Ed., . . . . .	1866
	Thomas John Fordyce Messer, M.D., F.F.P. & S. Glasg., <i>Helenburgh,</i> . . . . .	1866
	John Charles Ogilvie Will, M.D., C.M., <i>Aberdeen,</i> . . . . .	1867
	William Spalding, M.D., M.R.C.S. Eng., <i>Gorebridge,</i> . . . . .	1867
	George Dickson, M.D., F.R.C.S. Ed., . . . . .	1867
10	*James Andrew, M.D., F.R.C.P. Ed., . . . . .	1868
	*William Taylor, M.D., F.R.C.P. Ed., . . . . .	1868
	James Ormiston Affleck, M.D., F.R.C.S. Ed., F.R.C.P. Ed., . . . . .	1869
	Andrew M. Thomson Rattray, M.D., <i>Portobello,</i> . . . . .	1869
	William Craig, M.D., F.R.C.S. Ed., . . . . .	1870
15	Thomas Hardie, M.D., F.R.C.P. Ed., <i>Leith,</i> . . . . .	1870
****	Sir John Halliday Croom, M.D., P.R.C.S. Ed., F.R.C.P. Ed., . . . . .	1870
	*Alexander Ballantyne, M.D., F.R.C.P. Ed., <i>Dalkeith,</i> . . . . .	1870
	William Borwick Robertson, M.D., L.R.C.S. Ed., London, . . . . .	1870
	*Robert Lucas, M.D., F.R.C.P. Ed., <i>Dalkeith,</i> . . . . .	1871
20	*James Carmichael, M.D., F.R.C.P. Ed., . . . . .	1871
	*Peter Alexander Young, M.D., F.R.C.P. Ed., . . . . .	1871
	*Charles Edward Underhill, M.B., F.R.C.P. Ed., F.R.C.S. Ed., . . . . .	1872
	***John Playfair, M.D., F.R.C.P. Ed., . . . . .	1873
	**Henry Macdonald Church, M.D., F.R.C.P. Ed., . . . . .	1875
25	James Lindsay Howison Herbert Porteous, M.D., F.R.C.S. Ed., M.R.C.P. Ed., <i>New York,</i> . . . . .	1875
	Archibald Blalock, M.B., Sc.D., . . . . .	1876
	Joshua John Cox, M.D., F.R.C.S. Ed., <i>Eccles, Manchester,</i> . . . . .	1876
	James Dunamure, M.D., LL.D., F.R.C.S. Ed., . . . . .	1876
	*Thomas Rutherford Donaldson, M.B., F.R.C.P. Ed., . . . . .	1876
30	Charles H. Thatcher, F.R.C.S. Ed., . . . . .	1876
	*John Brown Buist, M.D., F.R.C.P. Ed., . . . . .	1877
	George Herbert Buntley, L.R.C.P. & S. Ed., <i>Kirkliston,</i> . . . . .	1877
	Andrew Douglas Ramsay Thomson, F.R.C.P. Ed., <i>Musselburgh,</i> . . . . .	1877
	James Stitt Thomson, M.D., F.R.C.P. Ed., F.R.C.S. Ed., <i>Lincoln,</i> . . . . .	1877
35	John Archibald, M.D., F.R.C.S. Ed., <i>Bournemouth,</i> . . . . .	1877
****	David Berry Hart, M.D., F.R.C.P. Ed., . . . . .	1877
	*Andrew Balfour, M.D., C.M., <i>Portobello,</i> . . . . .	1877
	*David Menzies, M.B., F.R.C.S. Ed., . . . . .	1877
	Donald Roderick Morrison Murray, M.B., C.M., <i>Leith,</i> . . . . .	1878
40	Robert Spence, M.B., C.M., <i>Burntisland,</i> . . . . .	1878
	George Mackay, M.B., F.R.C.S. Ed., . . . . .	1878
	James Henry Oroudace, L.R.C.P. & S. Ed., <i>Stafford,</i> . . . . .	1878
	Robert Bell, M.D., F.F.P. & S. Glasg., <i>Glasgow,</i> . . . . .	1878
	Alexander Dinsev Leith Napier, M.D., M.R.C.P.L., <i>Australia,</i> . . . . .	1878
45	John M'Watt M.B., C.M., <i>Duns,</i> . . . . .	1879
	*William Nicol Elder, M.D., L.R.C.P. & S. Ed., . . . . .	1879
	Henry Hay, M.B., C.M., . . . . .	1879
	Abraham Wallace, M.D., F.F.P. & S. Glasg., London, . . . . .	1879
	*John Rogerson Hamilton, M.D., C.M., <i>Hawick,</i> . . . . .	1879
50	George Rothwell Adam, M.B., C.M., <i>Melbourne,</i> . . . . .	1879