ANNUAL REPORT

The Royal Society of Tasmania
1919

Patron:
HIS MAJESTY THE KING.

President:
HIS EXCELLENCY SIR FRANCIS NEWDEGATE, K.C.M.G.,
GOVERNOR OF TASMANIA.

Vice-Presidents:
E. L. PISSSE, B.SC., LL.B.
L. RODWAY, C.M.G.

Council:
(Elected March, 1919).

A. H. CLARKE, M.R.C.S., L.R.C.P.
(Chairman)
W. H. CLEMES, B.A., B.Sc.
W. E. L. CROWTHER, D.S.O., M.B.
(elected August, 1919)
L. DECHAINEUX
T. W. FOWLER

J. L. GLASSON, M.A., D.Sc.
J. A. JOHNSON, M.A.
L. H. LINDON, M.A. (resigned, July, 1919)
L. RODWAY, C.M.G.
C. C. THOROLD, M.A.

Hon. Treasurer:
L. RODWAY.

Auditor:
R. A. BLACK.

Secretary and Librarian:
CLIVE E. LORD
LIST OF MEMBERS.

Honorary Members:
David, T. W. Edgeworth, C.M.G., B.A., F.R.S., F.G.S.
Professor of Geology and Physical Geography in the University of Sydney. The University, Sydney.
Shackleton, Sir Ernest H., Kt., C.V.O., F.R.G.S., F.R.A.S.

Ordinary, Life, and Corresponding Members:
"C," Corresponding Member.
"L," Member who has compounded subscriptions for life.
* Member who has contributed a Paper read before the Society.
† Member who has been elected a member of the Council.

Year of
Election.

1916 Ansell, M. M., B.A. The Registrar. The University, Hobart.
1918 L Avery, J. Electrolytic Zinc Co. Risdon.
1908 L Baker, Henry D. Co American Consulate, Hobart.
1887 Barclay, David. 143 Hampden Road, Hobart.
1890 *Beattie, J. W. 1 Mount Stuart Road, Hobart.
1918 Bellamy, Herbert. City Engineer. Town Hall, Hobart.
1901 C Benham, W. B., M.A., D.Sc., F.R.S., F.Z.S.
Professor of Biology. University of Otago. Dunedin, New Zealand.
1900 Bennison, Thomas. 29 Cromwell Street, Hobart.
1918 Bennison, E. A. Napoleon Street, Battery Point.
1918 Bisdee, E. O. Lovely Banks, Melton Mowbray.
1912 *Black, R. A. Chief Clerk. Department of Agriculture. 50 High Street, Queenborough.
1909 *Blackman, A. E. Franklin.
1892 C Bragg, W. H., M.A., F.R.S. Professor of Physics in University College, London.
LIST OF MEMBERS.

Year of Election.

1917  Brettingham-Mooie, Dr E., M.B., Ch.M. Macquarie-street, Hobart.
1911  Brooks, G. V. Director of Education. Education Department, Hobart.
1907  Brownell, F. L. "Leura," Main Road, Moonah.
1918  Bryer, J. R. Taroona.
1919  Burbury, T. J. "Park Farm," Jericho.
1917  Butters, J. H. Chief Engineer and Manager State Hydro-Electric Department, Hobart.
1919  Chapman, A. D. 105 Macquarie Street.
1912  Chapman, J. R. Holebrook Place, Hobart.
1901  Chapman, R. W., M.A., B.C.E. Elder Professor of Mathematics and Mechanics in the University of Adelaide. The University, Adelaide.
1913  Chepmell, C. H. D. Clerk of the Legislative Council. 23 Swan Street, Hobart.
1896  †Clarke, A. H., M.R.C.S. L.R.C.P. Macquarie Street, Hobart.
1918  Clarke, T. W. H. Quorn Hall, Campbell Town.
1887  †Clemes, Samuel. Principal of Leslie House School. Clare Street, New Town.
1918  Conlon, A. Agricultural Department, Hobart.
1917  Copland, D. B., M. A. Lecturer in History and Economics, the University, Hobart.
1919  Crawford, R. N. Secretary for Education. Education Department, Hobart.
1917  Cullen, Rev. John. Macquarie Street, Hobart.
1918  *Cummins, W. H., A.I.A.C. Greenlands Avenue, Sandy Bay.
1919  †Crowther, W. L., D.S.O., M.B. Macquarie Street, Hobart.
LIST OF MEMBERS.

1908 †Dechaineux, Lucien. Principal of Technical School, Hobart.
1892 C Dendy, A., D.Sc., F.R.S., F.L.S. Professor of Zoology in the University of London (King's College). "Vale Lodge," Hampstead, London, N.W.
1916 Downie, W. A. Headmaster, Central School, Hobart.
1919 Elliott, E. A., M.B. Macquarie Street.
1918 Ellis, F. Education Department, Hobart.
1919 Erwin, H. D., B.A. Christ's College, Hobart.
1918 Evans, L. Acting Director of Agriculture, Hobart.
1902 Finlay, W. A. 11 Secheron Road, Hobart.
1918 Finlay, G. W. "Baskerville," Campbell Town.
1918 Fletcher, C. E. Education Department, Hobart.
1909 †*Flynn, T. Thomson, B.Sc. Ralston Professor of Biology in the University of Tasmania.
1890 L Foster, H. D. 137 Hampden Road, Hobart.
1905 L Foster, J. D. "Fairfield," Epping.
1913 †Fowler, T. W., M.Inst.C.E. Clare Street, New Town.
1918 Gatenby, R. L. Campbell Town.
1913 †*Glasson, J. L., M.A., D.Sc. Lecturer in Physics in the University of Tasmania. The University, Hobart.
1907 Gould, Robert. Longford.
1918 Gould, J. W. Tramway Department, Hobart.
1905 L Grant, C. W. "High Peak," Huon Road.
1913 †Hardy, G. H. Hurlstene. C/o Australian Museum, Sydney.
1918 Harrap, Lieut-Colonel G. E. Launceston.
1898 Harrison, M. W. Glenorchy.
<table>
<thead>
<tr>
<th>Year of Election</th>
<th>Name</th>
<th>Address</th>
</tr>
</thead>
<tbody>
<tr>
<td>1893</td>
<td>Harvey, W. A., M.B.</td>
<td>154 Macquarie Street, Hobart</td>
</tr>
<tr>
<td>1902</td>
<td>Haswell, William, M.A., D.Sc., F.R.S., F.L.S.</td>
<td>Challis Professor of Biology in the University of Sydney. The University, Sydney.</td>
</tr>
<tr>
<td>1913</td>
<td>Hawson, Edward. “Remine,”</td>
<td>174 Argyle Street, Hobart</td>
</tr>
<tr>
<td>1915</td>
<td>Hickman, V. V., B.Sc.</td>
<td>Garden Road, Albert Park, Moonah.</td>
</tr>
<tr>
<td>1913</td>
<td>Higgins, Dr. P.</td>
<td>Campbell Town.</td>
</tr>
<tr>
<td>1914</td>
<td>Hitchcock, W. E.</td>
<td>Moina.</td>
</tr>
<tr>
<td>1908</td>
<td>Hogg, G. H., M.D., C.M.</td>
<td>37 Brisbane Street, Launceston.</td>
</tr>
<tr>
<td>1909</td>
<td>*Hutchison, H. R.</td>
<td>1 Barrack Street, Hobart</td>
</tr>
<tr>
<td>1913</td>
<td>*Ireland, E. W. J., M.B., C.M.</td>
<td>Launceston General Hospital.</td>
</tr>
<tr>
<td>1918</td>
<td>Innes, H. S.</td>
<td>71 Davey Street, Hobart</td>
</tr>
<tr>
<td>1919</td>
<td>Jackson, Geo. A.</td>
<td>Tregear’s Building, Collins Street.</td>
</tr>
<tr>
<td>1911</td>
<td>Keene, E. H. D.</td>
<td>Tantallon, Tarleton (A.I.F)</td>
</tr>
<tr>
<td>1905</td>
<td>Kerr, George.</td>
<td>165 Campbell Street, Hobart</td>
</tr>
<tr>
<td>1913</td>
<td>Knight, J. C. E.</td>
<td>“Windermere,” Claremont.</td>
</tr>
<tr>
<td>1918</td>
<td>Knight, C. E. L., B.Sc.</td>
<td>Claremont.</td>
</tr>
<tr>
<td>1919</td>
<td>Knight, H. W.</td>
<td>National Mutual Buildings, Macquarie Street.</td>
</tr>
<tr>
<td>1919</td>
<td>Leahy, F. T.</td>
<td>Electrolytic Zinc Company, Risdon.</td>
</tr>
</tbody>
</table>
LIST OF MEMBERS.

1912  †Lindon, L. H., M.A. "The Lodge," Park Street, Hobart.


1912  McAlister, Miss M. K. Rosetta.

1893  *McAulay, Alexander, M.A. Professor of Mathematics in the University of Tasmania. The University, Hobart.


1918  Mansell, A. E. Melton Mowbray.

1918  Martin, Colonel W., V.D. Launceston.


1913  Mather, J. F. 1 Mount Stuart Road, Hobart.

1917  Mackay, J. H. Professor of Engineering. The University of Tasmania, Hobart.

1919  Mackay, A. D., B.Sc., M.M.E. 4 Fawkner Street, South Yarra, Victoria.


1909  Millen, J. D. Mount Bischof Mine, Waratah.

1907  Miller, Lindsay S., M.B., Ch.B. 156 Macquarie Street, Hobart.


1913  Mitchell, P. H., B.A. Headmaster of the State High School, Hobart. 2 Ashfield Street, Queenborough.

1911  Montgomery, R. B. Davey Street, New Town.

1918  Murdoch, Thomas. Montpelier Road, Hobart.


1918  Nicholls, Sir Herbert, Kt. Chief Justice of Tasmania. Pillinger Street, Queenborough.

LIST OF MEMBERS.

Year of Election.

1919

1917

1919

1908
Parsons, Miss S. R. 190 Davey Street, Hobart.

1902
†Piesse, E. L., B.Sc., LL.B. 39 Broadway, Camberwell, Victoria.

1910
Pillinger, James. 4 Fitzroy Crescent, Hobart.

1918
Pitt, Frank C. K. "Glen Dhu," The Ouse.

1919
Pitt, C. F. Campbell Town.

1908

1917
Raamsdonk, I. N. Lecturer in Modern Languages, the University, Hobart.

1919
Riggall, Captain A. Hortin, D.S.O. Tunbridge.

1919
Robertson, J. Moore. Sandy Bay.

1918
Robertson, T. W. Box 93, G.P.O., Hobart.

1919
Rowland, E. O. Secretary Public Service Board, Hobart.

1884
†Rodway, Leonard, C.M.G. Government Botanist of Tasmania. Macquarie Street, Hobart.

1913
Ross, Hector. Sheriff of Tasmania. Elphinstone Road, Hobart.

1915

1896
Scott, R. G., M.B., Ch.M. 172 Macquarie Street, Hobart.

1919
Sharland, A. Campbell Town.

1892 C

1901
Shoobridge, Canon G. W. 3 Molle Street, Hobart.

1917

1919
Smith, G. O. Town Hall, Hobart.

1919
Smith, G. O., Mrs.

1901 C

1919
Snowden, Colonel R. E. "Minallo," West Hobart.

1896 L
*Sprott, Gregory, M.D., C.M. Macquarie Street, Hobart.
<table>
<thead>
<tr>
<th>Year of Election</th>
<th>Name</th>
<th>Address</th>
</tr>
</thead>
<tbody>
<tr>
<td>1919</td>
<td>Stevenson, Miss F.</td>
<td>&quot;Leith House,&quot; New Town</td>
</tr>
<tr>
<td>1896</td>
<td>Sticht, Robert, B.Sc., E.M.</td>
<td>Mount Lyell Mining and Railway Co. Ltd., Queen Street, Melbourne.</td>
</tr>
<tr>
<td>1913</td>
<td>Susman, Maurice.</td>
<td>88 Murray Street, Hobart</td>
</tr>
<tr>
<td>1907</td>
<td>Tarleton, J. W.</td>
<td>108 High Street, Queenborough.</td>
</tr>
<tr>
<td>1887</td>
<td>*Taylor, A. J.</td>
<td>Librarian of the Tasmanian Public Library. 28 D'Arcy Street, Hobart.</td>
</tr>
<tr>
<td>1918</td>
<td>Taylor, Walter E.</td>
<td>Elboden Street, Hobart</td>
</tr>
<tr>
<td>1892</td>
<td>*Thomson, G. M., F.L.S.</td>
<td>Dunedin, New Zealand</td>
</tr>
<tr>
<td>1918</td>
<td>Thorold, C. C., M.A.</td>
<td>Hutchins School, Hobart</td>
</tr>
<tr>
<td>1918</td>
<td>Walch, Percy.</td>
<td>King Street, Sandy Bay</td>
</tr>
<tr>
<td>1901</td>
<td>Wall, Arnold, M.A.</td>
<td>Professor of English Language and Literature in Canterbury College, Christchurch, New Zealand.</td>
</tr>
<tr>
<td>1918</td>
<td>Watt, W.</td>
<td>The Observatory. Hobart</td>
</tr>
<tr>
<td>1918</td>
<td>Weber, A. F.</td>
<td>Lands Department, Hobart.</td>
</tr>
<tr>
<td>1901</td>
<td>Wise, H. J.</td>
<td>Lambert Avenue, Sandy Bay</td>
</tr>
</tbody>
</table>

Members are asked to inform the Secretary of any change of address or other necessary correction.
ANNUAL REPORT.

In accordance with Rule 39, the Council present a report of the Proceedings of the Society for 1919.

The Council and Officers.

The Annual General Meeting was held on the 10th March. Eleven nominations being received for membership of the Council, an election was held, with the result that the following nine members were elected as the Council for 1919:—Dr. A. H. Clarke, Dr. J. L. Glasson, Messrs. W. H. Clemes, L. Dechaineux, T. W. Fowler, J. A. Johnson, L. H. Lindon, L. Rodway, C. C. Thorold.

The Council at the first meeting elected the following officers:—Dr. Clarke (Chairman), Mr. L. Rodway (Hon. Treasurer), Mr. Clive Lord (Secretary and Librarian).

The Council elected Dr. Clarke, Messrs. Clemes, Dechaineux, Johnson, Lindon, and Rodway, to be trustees of the Tasmanian Museum and Botanical Gardens.

During the year Mr. Lindon resigned, and Dr. W. L. Crowther was elected in his place.

Eleven Council meetings were held during the year, the attendance being as follows:—Mr. Rodway 11, Mr. Johnson 10, Mr. Fowler 9, Mr. Clemes 8, Mr. Thorold 8, Dr. Clarke 7, Dr. Glasson 6, Mr. Dechaineux 6, Mr. Lindon (resigned July) 6, Dr. Crowther (elected August) 3

Meetings.

Eight ordinary meetings and one special meeting were held during the year. The outbreak of pneumonic influenza in September and October interfered with the programme of lectures, but notwithstanding this the session, generally speaking, was a successful one. Many instructive papers were read, and the meetings were well attended.

Membership.

It is satisfactory to record a substantial increase in the membership of the Society. The roll at the end of the year showed that there were four honorary members, eleven corresponding members, seven life members, and one hundred and forty-two ordinary members. A number of the new subscriptions do not become due until next year, but when they are received they will add very materially to the financial strength of the Society.
Library.

The Library of the Society now contains over 13,000 volumes, in addition to a large number of pamphlets and other documents. Many of these are of great value, and the upkeep of the Library is becoming an increasing tax on the Society's resources. An extension of the present Library accommodation is becoming a necessity. Owing to the risks of transportation no books have been purchased for several years past with the money derived from the Morten Allport Memorial Fund, but next year it is proposed to acquire a number of volumes with the income obtained from this fund.

Education Section.

Chairman: L. Dechaineux.

Owing to the Influenza Epidemic only four meetings of this Section were held. The following papers were read and discussed:

"The Training of the Emotions and the Will at the Primary Stage," by L. Dechaineux.

"The Training of the Emotions," by J. A. Johnson, M.A.


Obituary.

It is with regret that the Society has to record the death of the following members during the past year:

H. L. Roberts, of "Beaumaris," Hobart. (Elected a member in 1864.)

W. H. Twelvetrees, of Launceston. Government Geologist of Tasmania. (Elected a member in 1896.)

G. E. Brettingham-Moore, of Hobart. (Elected a member in 1900.)

Donald McKinnon, of "Dalness," Evandale. (Elected a member in 1918.)

John Taylor, of "Winton," Campbell Town. (Elected a member in 1918.)

W. H. Twelvetrees, F.G.S.

W. H. Twelvetrees was born in Bedfordshire, England, in 1848. In 1871 he was employed at the Viskrensensky copper mines and smelting works in Eastern Russia, and remained there for nine years. He was stationed at the
Lidjessie silver mines in Asia Minor from 1882 until 1884. He then became general manager of these mines, and remained in the district until 1891, when he came to Tasmania. He soon began to take an interest in public affairs, and was secretary of the first exhibition at Launceston, which was held in the Albert-hall in 1892. In 1899 he was appointed Government Geologist and Chief Inspector of Mines. He carried out the duties of the combined officers until 1914, when the inspection of mines was made a separate branch of the Mines Department. Since 1914 he held the position of Government Geologist and Director of the Geological Survey of Tasmania, and continued his work practically to the time of his death.

During his regime, the work in his branch of the Department grew in volume and importance. The Geological Gallery, at Launceston, established in connection with the Geological Survey, will always stand as a memorial to his enthusiastic work.

His connection with various scientific societies is well known, and his many valuable contributions in the shape of scientific writings will ever serve to remind geologists and others of his work.

Owing to his death the State has lost a valuable servant, this Society a prominent member, and many of the remaining members have lost a personal friend. Mr. Twelvetrees's kindly nature led him to be honoured and respected by all classes of people, and his loss will be felt far beyond the realm of the scientific world.
# ROYAL SOCIETY OF TASMANIA

## RECEIPTS AND EXPENDITURE, 1919.

### GENERAL ACCOUNT.

<table>
<thead>
<tr>
<th>RECEIPTS</th>
<th>£</th>
<th>s</th>
<th>d</th>
</tr>
</thead>
<tbody>
<tr>
<td>Balance brought forward</td>
<td>20</td>
<td>5</td>
<td>4</td>
</tr>
<tr>
<td>Subscriptions:</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Current, 83 at £1/1/-</td>
<td>87</td>
<td>3</td>
<td>0</td>
</tr>
<tr>
<td>Arrears, 1 at £1/1/-</td>
<td>1</td>
<td>1</td>
<td>0</td>
</tr>
<tr>
<td>Advance, 1 at £1/1/-</td>
<td>1</td>
<td>1</td>
<td>0</td>
</tr>
<tr>
<td>Government Grant in aid of Printing</td>
<td>100</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>Miscellaneous</td>
<td>19</td>
<td>4</td>
<td>9</td>
</tr>
<tr>
<td>Total</td>
<td>£228</td>
<td>15</td>
<td>1</td>
</tr>
<tr>
<td>Dr. Balance, 1919</td>
<td>50</td>
<td>18</td>
<td>5</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td><strong>£279</strong></td>
<td><strong>13</strong></td>
<td><strong>6</strong></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>PAYMENTS</th>
<th>£</th>
<th>s</th>
<th>d</th>
</tr>
</thead>
<tbody>
<tr>
<td>Salaries</td>
<td>33</td>
<td>5</td>
<td>0</td>
</tr>
<tr>
<td>Papers and Proceedings:</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>1918 (Part)</td>
<td>61</td>
<td>16</td>
<td>0</td>
</tr>
<tr>
<td>1919 (Part)</td>
<td>105</td>
<td>13</td>
<td>4</td>
</tr>
<tr>
<td>Total</td>
<td>167</td>
<td>9</td>
<td>4</td>
</tr>
<tr>
<td>Expenses of Meetings</td>
<td>26</td>
<td>5</td>
<td>2</td>
</tr>
<tr>
<td>Library</td>
<td>19</td>
<td>10</td>
<td>11</td>
</tr>
<tr>
<td>Light and Fuel</td>
<td>1</td>
<td>14</td>
<td>0</td>
</tr>
<tr>
<td>Lantern and Operator</td>
<td>2</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>Postages and Petty Cash</td>
<td>8</td>
<td>5</td>
<td>10</td>
</tr>
<tr>
<td>Miscellaneous</td>
<td>18</td>
<td>9</td>
<td>0</td>
</tr>
<tr>
<td>Bank Charges, etc.</td>
<td>2</td>
<td>14</td>
<td>3</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td><strong>£279</strong></td>
<td><strong>13</strong></td>
<td><strong>6</strong></td>
</tr>
</tbody>
</table>

## MORTON ALLPORT MEMORIAL FUND ACCOUNT,* 1919.

<table>
<thead>
<tr>
<th>RECEIPTS</th>
<th>£</th>
<th>s</th>
<th>d</th>
</tr>
</thead>
<tbody>
<tr>
<td>Balance brought forward 1st Jan., 1919</td>
<td>39</td>
<td>19</td>
<td>3</td>
</tr>
<tr>
<td>Interest received from Perpetual Trustee Co.-</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>5 per cent. on £200 War Loan</td>
<td>10</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>Less Trustee Co. Commission</td>
<td>0</td>
<td>5</td>
<td>0</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td><strong>£49</strong></td>
<td><strong>14</strong></td>
<td><strong>3</strong></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>PAYMENTS</th>
<th>£</th>
<th>s</th>
<th>d</th>
</tr>
</thead>
<tbody>
<tr>
<td>Balance to 1920</td>
<td>49</td>
<td>14</td>
<td>3</td>
</tr>
</tbody>
</table>

---

*£200 was raised by Public Subscription in 1878 to establish a Memorial to the late Morton Allport. The Fund was invested in the name of the Perpetual Trustees, Executors, and Agency Co. of Tasmania Ltd., and the income is used for the purchase of Books for the Library of the Society.

---

Audited and found correct,

R. A. BLACK, Hon. Auditor.
15th Jan., 1920.

L. RODWAY, Hon. Treasurer.
CLIVE LORD, Secretary.
January 7th, 1920.