

REPORT

16 M

OF THE

ROYAL SOCIETY

OF

TASMANIA

FOR THE YEAR

1890.



Tasmania:

WILLIAM THOMAS STRUTT, GOVERNMENT PRINTER, HOBART.

1891.

Honorary Members.

- * Baron F. von Müller, K.C.M.G., M.D., F.R.S., F.L.S., &c., Government Botanist, Melbourne, Victoria.
- Mrs. Charles Meredith, Hobart.
- * Hon. W. Macleay, M.I.C., F.L.S., Sydney.
- Dr. Edward Pierson Ramsay, Esq., LL.D., F.R.S.E., F.L.S., &c., Curator Australian Museum, Sydney, N.S.W.

Corresponding Members.

- * Members who have contributed Papers which have been published in the Society's Transactions.
- Professor John Agardh, M.D., University of Lund, Sweden.
- W. H. Archer, Esq., Melbourne.
- * Frederick M. Bayley, F.L.S., Brisbane, Queensland.
- * G. Bennett, Esq., M.D., F.Z.S., Sydney, New South Wales.
- William Thompson Bednall, Esq., Adelaide, South Australia.
- John Brazier, Esq., C.M.Z.S., Sydney.
- Rev. George Brown, C.M.Z.S., Sydney.
- * B. Carrington, Esq., M.D., Eccles, Manchester, England.
- R. J. L. Ellery, Esq., F.R.S., F.R.A.S., Government Astronomer, Melbourne.
- * Robert Etheridge, jun., Esq., F.G.S., Australian Museum, Sydney.
- Professor W. Harkness, U.S.N., United States Naval Observatory, Washington.
- H. H. Hayter, Esq., C.M.G., Government Statist, Melbourne.
- Sir Joseph Dalton Hooker, C.B., K.C.S.I., &c., London.
- * F. W. Hutton, Esq., F.G.S., C.M.Z.S., Professor of Biology, Canterbury College, Christchurch, New Zealand.
- James Hector, Esq., M.D., C.M.G., F.R.S., F.G.S., Director Geological Survey of New Zealand, Wellington.
- R. L. Jack, Esq., Government Geologist of Queensland.
- Archibald Liversidge, Esq., F.R.S., F.C.S., F.G.S., F.L.S., F.R.G.S., &c., &c., Professor of Chemistry and Mineralogy, University of Sydney.
- * G. M'Intyre, Esq., Christchurch, New Zealand.
- Professor F. M'Coy, F.R.S., F.G.S., Melbourne University.
- Professor G. Neumayer, Munich.
- * W. H. Pearson, Esq., Manchester, England.
- The Right Rev. D. F. Sandford, LL.D., England.
- G. S. Perrin, Esq., F.L.S., Conservator of Forests, Victoria.
- J. S. Sterling, Esq., F.L.S., F.C.S., Assistant Government Geologist, Victoria.
- * W. Saville Kent, Esq., F.L.S., Brisbane, Queensland.

Turnbull, T.
Triffit, J. T., Ouse.
* Travers, S. Smith.

Walch, Chas. E.
Walch, James H. B.
* Walker, James Backhouse.
Wallack, E.
* Ward, W. F.
Waterhouse, George Wilson, B.A., Launceston.
* Webster, Alex. G.
Weymouth, W. A.
Wilson, Edward P.
Wise, Fred. H.
* Woollnough, Rev. J. B. Williams, M.A.
Wright, Howard.

Young, Russell.
Young, F. J., B.A.
Young, F.M.

**MINUTES of the Annual General Meeting of the
ROYAL SOCIETY OF TASMANIA, held at the Museum on
Friday evening, 12th March, 1891,—Mr. JAMES
BARNARD, Vice-President, in the Chair.**

NEW MEMBERS.

Mr. J. J. Walker, R.N., Chief Engineer of the *Penguin*, was elected a Corresponding Member.

Captain P. R. H. Parker, R.N., and Messrs. E. Watchorn, John Brown, and Montague Jones were elected Fellows.

THE ANNUAL REPORT.

The Secretary (Mr. A. Morton) read the Annual Report.

Sir Lambert Dobson moved—That the Report now read be adopted, printed, and circulated among the Fellows of the Society. He said that the Report really spoke for itself; but in the slight reference he would make to it he would like to say one word in reference to the great interest taken in the progress of the Society by His Excellency the Governor. He thought that, in the absence of Sir Robert Hamilton, they might very fairly pay a tribute to the generous and warm interest he had taken in the Society. His Excellency had hardly ever failed to be present, and he had not only manifested a personal interest, but had given the Society, as a present, a very valuable work. They were also indebted to those gentlemen whose names appeared as having read papers at the meeting of the Society, their only regret being that they had not a larger number of contributors, and the work distributed over more shoulders. He thought that they had reason for congratulation at the progress of the Society, both numerically and financially, and he had no doubt but that much of that success was due to the Secretary. He mentioned that gentleman specially because he had worked hard, and done good work for the Society. He believed that there was much to be done in the walks of science here. A naturalist on board H.M.S. *Penguin* had discovered many species of new insects since the ship had been in the harbour, and doubtless many more might be discovered if there were in our midst those who followed such pursuits.

Mr. F. Jacobs seconded, and the motion was passed.

Mr. E. D. Swan moved—That the Hon. J. W. Agnew, M.D., His Honor Sir Lambert Dobson, Messrs. Russell Young, and C. H. Grant, the retiring Members of the Council,

be re-elected; also that Messrs. Francis Butler and John Macfarlane be re-elected as Annual Auditors.

Mr. F. Abbott seconded, and the motion was passed.

Mr. Francis Abbott moved—That a vote of thanks be accorded to Messrs. Butler and Macfarlane for their kindness in acting as Auditors during the year.

Mr. A. W. Gosnell seconded, and the motion was agreed to.

Mr. C. H. Grant moved—That a vote of thanks be accorded to the Press for their valuable services in publishing such full and accurate notes of the Society's proceedings.

Dr. Bingham Crowther seconded, and the motion was agreed to.

This finished the business.

R E P O R T.

THE Council of the Royal Society of Tasmania have much pleasure in submitting the following Report for 1890 :—

The first monthly meeting took place on April 22nd, when the President, His Excellency Sir R. G. C. Hamilton, K.C.B., occupied the chair. The attendance of Fellows, including several ladies, was large. Mr. James Barnard gave an account of the visit of the Representatives of this Society to the Melbourne meeting of the Australasian Association for the Advancement of Science. Mr. J. B. Walker read an interesting paper on the "Discovery and Occupation of Port Dalrymple." Mr. R. M. Johnston presented a joint report from himself and Mr. A. Morton on a ganoid fish from the lower mesozoic sandstones near Tinder Box Bay; and Mr. A. Durrand, F.R.M.S. London, exhibited a series of fine microscopical preparations of foraminifera and other minute organisms dredged from depths of from five fathoms to two miles, near the coasts of the Hawaiian Group, Java, the Channel Islands, Ireland, &c. The number of papers read during the session was twenty-three. The subjects were :—

By Mr. J. B. Walker.

1. "The Discovery and Occupation of Port Dalrymple."
2. "An Account of the last Antarctic Expedition."
3. "Notes on the localities mentioned in the Journal of Tasman's discovery of Tasmania."

By Mr. R. M. Johnston, F.L.S.

4. "Description of a second Ganoid Fish from the mesozoic sandstones near Tinder Box Bay."

5. "Further observations upon the Fishes and Fishing Industries of Tasmania, together with a revised list of indigenous species."
6. "Root matters in Social and Economic Problems."
7. "Provisional aid to the study of the Tasmanian Mollusca."
8. "Notes on a Fern new to Tasmania (*Blechnum cartaligenum*)."
9. "Observations on the influence of Strikes upon Real Wages."
10. "A rejoinder to Mr. A. J. Ogilvy's paper, entitled 'Can the toiling masses really improve their condition by Strikes?'"

By Mr. E. C. Nowell.

11. "Do the changes of the moon affect the rainfall?"

By Captain Shortt, R.N.

12. "A rejoinder to Mr. Nowell's paper."

By Mr. A. Morton, F.L.S.

13. "Notes on a recent dredging trip in the Derwent."
14. "What Science and Commerce may gain from an Antarctic Expedition."
15. "A complete list of Ferns found in Tasmania, with full descriptions of the genera and species."

By Mr. A. J. Taylor.

16. "On the coco-de-mer (*Lodoicea seychellarum*)."
17. "Notes on the Native Hop (*Daviesa latifolia*) as a cure for Hydatids."

By Wm. Montgomery, M.A., Government Geologist.

18. "Notes of some geological observations on the West Coast."

By Mr. A. T. Urquhart, Corresponding Member.

19. "Description of some new Tasmanian Spiders."

By Mr. James Andrew.

20. "Notes on Ostrich Farming."

By Mr. A. J. Ogilvy.

21. "Can the toiling masses really improve their condition by these incessant and unhappy Strikes, or are they only beating their hands against the iron bars of inexorable economic law?"

By C. E. Barnard, M.D.

22. "Actinomycosis and Tuberculosis."

By Baron Mueller.

23. "Notes on a new Tasmanian plant of the order Burmanniaceæ."

It will thus appear that original work of a valuable character, especially in reference to the Natural History of Tasmania, has been done during the session ; and it is satisfactory to report that the annual volume will very soon be ready for distribution.

COUNCIL.

No change has taken place during the session.

LIBRARY.

The most noteworthy circumstance in connection with the Library has been the very liberal donation by His Excellency of the recent (9th) edition of the "Encyclopaedia Britannica," 24 vols. Dr. Agnew also presented the Report of the scientific results of the voyage of H.M.S. *Challenger* during the years 1873-6, in three volumes.

FELLOWS.

Seventeen Fellows and two Corresponding Members have been elected ; nine have resigned.

FINANCE.

The income has been—Subscriptions to Royal Society, £189 ; fixed deposit, £323 8s. 9d. ; interest, £5 15s. ; total, £518 3s. 9d. Expenditure, £244 2s. 9d.

STATEMENT of the Funds of the ROYAL SOCIETY for the Year 1890.

Receipts.	£	s.	d.	Expenditure.	£	s.	d.
Fixed Deposits	323	8	9	Balance.....	37	9	0
Subscriptions	189	0	0	Salary of Secretary	50	0	0
Fixed Deposit (Interest)	5	15	0	Ditto Attendant	6	0	0
				Petty Cash	1	4	3
				Printing, Stationery, and Periodicals.....	151	19	6
				Interest due to Museum	15	8	9
				Insurance.....	1	5	0
				Cheque Book	0	8	4
				Collector's Commission	7	10	0
				Gas and Fuel	9	4	11
				Legal Expenses	1	2	0
				Balance per Bank Book	£29	13	0
				Cheque paid into Bank 14th Jan.,			
				1889	1	1	0
					28	12	0
				Fixed Deposit	208	0	0
					£518	3	9

Examined and found correct.

JOHN MACFARLANE.
FRANCIS BUTLER.

11th March, 1891.

STATEMENT of the Funds of the MORTON ALLPORT MEMORIAL FUND for the Year 1890.

1890.	Dr.	£	s.	d.	Cr.	£	s.	d.
Balance as per statement for 1890		50	5	9	Balance in Savings Bank to credit of Fund	68	1	4
Interest.....		17	15	7				
		<hr/>	<hr/>	<hr/>		<hr/>	<hr/>	<hr/>
		£68	1	4		£68	1	4
		<hr/>	<hr/>	<hr/>		<hr/>	<hr/>	<hr/>

Examined with Savings Bank Book, and found to be correct.

JOHN MACFARLANE.
FRANCIS BUTLER.

11th March, 1891.

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WILLIAM THOMAS STRUTT,
GOVERNMENT PRINTER, TASMANIA.