

REPORT  
OF THE  
ROYAL SOCIETY  
OF  
TASMANIA,  
FOR THE YEAR  
1872.



TASMANIA :

PRINTED AT THE "MERCURY" STEAM PRESS OFFICE, HOBART TOWN.

—  
1873.



PATRON :

Her



Majesty

The Queen.

# Royal Society of Tasmania.



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†Barry, Sir R. ... ..	Melbourne
Barnard, James ... ..	Hobart Town
Butler, Francis ... ..	"
Butler, J. ... ..	"
Bromby, Right Rev. C. H., Lord Bishop of Tasmania ... ..	"
Bright, R. S., M.R.C.S.L. ... ..	"
Butler, Henry ... ..	"
Buckland, H. J. ... ..	"
Browne, Justin McC. ... ..	"
Baynton, W. E. ... ..	Kingston
Bomford, F. E. ... ..	Rheban, Swansea
Bailey, Rev. Brooke ... ..	St. Leonards
Chapman, T. D., M.H.A. ... ..	New Town
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Clarke, J. M. ... ..	"
Creswell, C. F. ... ..	"
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Crosby, W. ... ..	Hobart Town
Crowther, W. E. ... ..	"

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Dobson, His Honor Mr. Justice	...	...	...	...	"
Dunn, Hon. J. A.	...	...	...	...	"
Du Cane, His Excellency Charles	...	...	...	...	Government House
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Dodds, J. S.	...	...	...	...	"
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Gorringe, Thomas	...	...	...	...	Green Ponds
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Graves, J. W.	...	...	...	...	Hobart Town
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Grant, C. H.	...	...	...	...	Hobart Town
Gatenby, R.	...	...	...	...	Macquarie River
Hall, Dr. E. Swarbreck	...	...	...	...	Hobart Town
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Hunter, Henry	...	...	...	...	"
Huston, G. F.	...	...	...	...	New Norfolk
Huybers, A.	...	...	...	...	Hobart Town
Hopkins, H.	...	...	...	...	"
Hazell, C.	...	...	...	...	Carlton
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Irving, M. H., M. A., &c.	...	...	...	...	Melbourne
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Jamieson, Mr.	...	...	...	...	Hobart Town
†Jeffery, Molesworth	...	...	...	...	Bournbank, Lachlan
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Knight, W. jun.	...	...	...	...	Sandy Bay
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Lewis, David, M.H.A.	...	...	...	...	Hobart Town
Legge, R. V.	...	...	...	...	Cullenswood
Lucas, R. J.	...	...	...	...	Hobart Town
Maclanachan, James	...	...	...	...	Ballochmyle
Macfarlane, James ..	...	...	...	...	Hobart Town
Macfarlane, J.	...	...	...	...	"
Mather, J. B.	...	...	...	...	"
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Meredith, Hon. C., M.H.A.	...	...	...	...	Hobart Town
Morrison, Askin	...	...	...	...	"
Marsh, H. J.	...	...	...	...	"
Mace, J. C. ...	...	...	...	...	Clarence Plains
Mace, G.	...	...	...	...	Spring Bay
Napier, G. R.	...	...	...	...	Hobart Town
Nelson, H.	...	...	...	...	"
Nowell, E. C.	...	...	...	...	"
Officer, Hon. Sir Robert, M.H.A., Speaker	...	...	...	...	New Norfolk
Pillinger, J. ...	...	...	...	...	Antill Ponds
Roberts, H. L.	...	...	...	...	Hobart Town
Read, R. Cartwright	...	...	...	...	{ Redlands, New Norfolk.
Rule, J.	...	...	...	...	Bellerive
Riddoch, A.	...	...	...	...	New Norfolk
Ross, R. J. ...	...	...	...	...	Hobart Town
Salier, G., M.H.A.	...	...	...	...	Hobart Town
Sharland, W. S.	...	...	...	...	New Norfolk
Solomon, Joseph	...	...	...	...	Hobart Town
Stephens, T., M.A., Inspector of Schools	...	...	...	...	"
Story, Dr. J. F.	...	...	...	...	Swanport
Storie, Rev. J.	...	...	...	...	Hobart Town
Susman, L. ...	...	...	...	...	"
Scott, J., M.H.A.	...	...	...	...	Launceston
Scott, J. R., M.H.A.	...	...	...	...	New Town
Salier, F. J. ...	...	...	...	...	Hobart Town
Swan, J., M.H.A.	...	...	...	...	New Town
Smith, P. T. ...	...	...	...	...	Ross



Travers, S. Smith ...	...	...	...	...	New Town
Walch, James ...	...	...	...	...	Hobart Town
Weaver, G. ...	...	...	...	...	„
Whitcomb, G. ...	...	...	...	...	„
Whyte, Hon. James, M.L.C. ...	...	...	...	...	„
Wilson, George jun. ...	...	...	...	...	Mount Seymour
Wilson, Hon. Sir J. M., M.L.C. ...	...	...	...	...	Hobart Town
Wise, F. H. ...	...	...	...	...	„
Wilkins, A. ...	...	...	...	...	England
Webster, A. G. ...	...	...	...	...	Hobart Town
Wright, Stephen P. H. ...	...	...	...	...	„
Wilson, George ...	...	...	...	...	„
Willes, C. J., M.R.C.S. Edin. ...	...	...	...	...	Oatlands
Walker, F. T. ...	...	...	...	...	Rhodes
Westbrook, T. ...	...	...	...	...	Bellerive
Young, Russell ...	...	...	...	...	Hobart Town

MINUTES of the ANNUAL GENERAL MEETING of the ROYAL SOCIETY OF TASMANIA, held at the Museum, Macquarie-street, at 7 o'clock p.m., on the 28th January, 1873: Morton Allport, Esq., F.L.S., F.Z.S., C.M.A.I., &c., Vice-President, in the chair.

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The CHAIRMAN having read the advertisement by which the meeting had been convened, called upon the Secretary to read the Report.

The Report for 1872 was then read.

It was moved by Mr. HOWELL, seconded by Mr. ABBOTT, jun., and carried—"That the Report be adopted, and printed for circulation amongst the Fellows."

Messrs. H. J. Buckland and Justin McC. Browne having been appointed scrutineers, the meeting proceeded to the election of four members of Council, in place of those retiring.

The result of the ballot was the election of the following gentlemen:—

THE VEN. ARCHDEACON DAVIES.

M. ALLPORT, Esq.

J. W. AGNEW, Esq.

THE RIGHT REV. BISHOP BROMBY.

The HON. SECRETARY having reported that Mr. F. Butler was desirous of retiring from the office of Auditor of Annual Accounts, it was resolved that Mr. John Macfarlane should be requested to act as auditor with Mr. Cook for the ensuing year.

Lieut. W. V. LEGGE, R.A., of Ceylon, was elected as a corresponding member of the Society.

Mr. Justin McC. BROWNE proposed a vote of thanks to the Honorary Secretary for the efficient manner in which the affairs of the Society had

been conducted during the year. Mr. J. BARNARD seconded. The vote having been accorded,

Dr. AGNEW expressed his gratification at receiving the thanks of the Fellows. On this occasion he had quite hoped to be able to say the Society was free from debt, but the unforeseen expenditure referred to in the report (the greater portion of which would not occur again) had deprived him of that pleasure. He might mention that we were about to make use, for the first time, of the large building we had recently become 'possessed of. A quantity of unclassified material would soon be removed into it from the large room upstairs, which would be a great boon to the Museum by affording greater space for the exhibition of specimens of the Tasmanian Fauna and Flora. To carry out these arrangements would, of course, be the duty of the Curator, Mr. Roblin, and he (Dr. Agnew) was glad to take this opportunity of expressing his sense of the great value to the Museum of the services of the Curator. Not only was Mr. Roblin well versed in all the duties peculiarly incidental to a Museum, but his accuracy in all the various accounts of the Society and the Public Gardens was well known to, and appreciated by, both the Monthly and Annual Auditors. He only regretted that the Society was not in a position to offer Mr. Roblin a salary at all commensurate with his deserts.

Mr. ALLPORT also bore testimony to the skill, courtesy, and devotion to his duties of the Curator.

The meeting terminated with a vote of thanks to the Chairman.

## REPORT.

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THE Session of 1872 was opened on the 12th March with a paper by F. Abbott, F.R.A.S., F.R.M.S., entitled "Notes on the results of Five Years' Meteorological Observations made at Hobart Town;" and the following papers were read at the various subsequent monthly meetings, which were held without intermission:—"Climate and Vital Statistics of Tasmania," by Dr. E. Swarbreck Hall; "Tasmanian Pisciculture," by Judge Francis; "Political Economy," by E. C. Nowell; "Observations on changes which have taken place in the Nebula surrounding the Star  $\gamma$  Argus," by F. Abbott, F.R.A.S., &c.; "On the existence of large animals, probably Seals, in the upland Lakes of Tasmania," by C. Gould, F.G.S.; "Account of an exploratory tour from Port Esperance to Adamson's Peak, and discovery of a supposed new species of Tree Fern," by J. R. Scott, M.H.A.; "Irregularity in the growth of the Salmon," by M. Allport, F.L.S., F.Z.S.; "Technology of a Beet Sugar Factory," by J. Barnard.

In addition to the above papers the following subjects have been under discussion:—"Mineralogical specimens from the neighbourhood of Oyster Cove (with correspondence)," "Development of Foetal Marsupial," "Mineralogical specimens (Porphyries) from near Black Bluff Mountain, Middlesex Plains," "Manufacture of Iron from Tasmanian Ore," "A Tree Fern lately discovered on the North Coast of Tasmania," "Artificial hatching of Trout Ova," "The economic growth of Angora Wool," "The growth of Sugar Beet in the Colony," &c., &c.

The Meteorological Observations have been

carried on as hitherto at the various stations, and abstracts of the results of five years' registers for Hobart Town have been incorporated with the 25 years' abstract already published, affording, in a condensed form, a meteorological record extending over thirty consecutive years. These latter have, by the permission of Government, been printed at the Government Printing Office, and copies have been forwarded to various Governments, Institutes, Hospitals, Libraries, and individuals of scientific repute throughout the world.

The Society is much indebted to Dr. E. Swarbreck Hall for his very elaborate and valuable paper on "The Climate and Vital Statistics of Tasmania," which is printed with the Meteorological Abstract.

We have, as usual, received many valuable donations of books from learned Societies. In this respect America has been, so far, our largest contributor that the Council, in recognition of such liberality, have determined to set apart a special case in the Library for the exhibition of books from that country.

#### COUNCIL.

"No vacancy has occurred during the year. The required list according to Rule xxxii., as amended at the general meeting of 1868, has been exhibited in the Library for the last fortnight.

#### FINANCE.

The total income from all sources was as follows:—Government Grant to Museum, £200; ditto to the Gardens, £400; subscription, £123; from Marine Board, £20; deducted from salary of Curator on account of repairs to his residence, £10; sale of Plants, &c., at Gardens, £66 4s.; special donation to Garden Funds, £1. This



with £30 12s. in the hands of the Superintendent of the Gardens for payment of wages, £30, which will certainly be realised from the amount of subscriptions in arrear, and £6 in the hands of the Collector, will give a total of £886 16s. The expenditure and liabilities as per balance sheet, amount to £901 17s. 6d. leaving a balance to debit of £15 1s. 6d.

It is much to be regretted that some of the Members are dilatory in paying their subscriptions. Reminders have been regularly sent when payments were due, and had these in all cases been responded to, we should at present have been quite clear of debt.

#### GARDENS.

The portion of the sea wall referred to in last year's Report has been completed, and a continuation of it is now in process of construction.

During the year the line of the Main Railway has been laid out through the lower part of the gardens, and it is probable the work will be carried out to completion without delay. It is not anticipated, however, that any inconvenience will accrue from the work, as the contractors are most desirous of meeting the views of the Society in taking such measures and adopting such precautions as will ensure the safety of visitors.

Very little progress has been made with the new entrance, but this work will be resumed forthwith.

The expenses for the gardens have, to the detriment of the funds of the Society, exceeded the income by about £13. This unusual outlay has been incurred in part by repairing damages done by the floods, and partly by laying on water. The latter work has long been a great desideratum

for the comfort of visitors, and will also be to some extent reproductive.

New plants, in greater variety than usual, have been introduced, many being of considerable interest. To Dr. J. D. Hooker, of the Royal Gardens, Kew, we are indebted for a very liberal donation (about 600 packets) of seeds, many of which have not hitherto been under cultivation here.

The number of visitors has been estimated at 24,666.

#### MUSEUM.

As will be seen by the list of presentations many objects of interest have been added to the collection. The majority of these have been placed in their appropriate sections, some (chiefly skeletons) are in course of preparation, and others (shells, specimens in spirits, &c.) have been placed in store until proper cases, glass jars, &c., can be procured for their reception and display.

Among the donations to the Museum worthy of special note may be mentioned two complete skeletons of the Dugong (*Halicore dugong*) presented, and very liberally forwarded to Hobart Town free of all charge, by Captain H. O'Reilly, of Brisbane, Queensland.

To H. S. Lewes, Esq., of Geelong, the Society is also indebted for a fine collection of weapons of the Australian Aborigines, procured in various parts of Victoria and New South Wales, especially for this Museum.

R. Gatenby, Esq., of Macquarie River, has presented (and forwarded free of cost) several specimens of our Mammals, Reptiles, &c. Many of these have been added to our collection, and others as a means of effecting exchanges with other Museums, have been of special value. The Native

Tigers (*Thylacinus cynocephalus*) have been particularly useful in this respect, special requests for this animal having been received from Adelaide, and Christchurch, New Zealand.

Correspondence with Dr. Haast, of Christchurch, New Zealand has been entered into for the purpose of enlisting his interest for our acquisition of some perfect skeletons of the Moa.

Specimens of iron ore from various parts of the Colony have been received, and have excited much attention.

The number of Visitors to the Museum was 14,956, being an increase of nearly 4,000 on that of any previous year.



# STATEMENT of the Funds of the ROYAL SOCIETY OF TASMANIA for the Year 1872.

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## RECEIPTS.

Annual subscriptions from 74 members .. ..	111 0 0
Arrears of ditto .. ..	12 0 0
Amount received from Marine Board for completing Meteorological Returns from Lighthouses, as per agreement .. ..	20 0 0
Total Royal Society .. ..	143 0 0
MUSEUM.—Grant-in-aid from Treasury .. ..	200 0 0
Amount deducted from Curator's salary on account of repairs to residence .. ..	10 0 0
Total Museum .. ..	210 0 0
BOTANIC GARDENS.—Grant-in-aid from Treasury .. ..	400 0 0
Proceeds of sale of plants, &c. .. ..	66 4 0
Special subscription to funds .. ..	1 0 0
Total Botanic Gardens .. ..	467 4 0
Jan. 16th.—Balance overdrawn at Commercial Bank ..	65 13 6

£885 17 6

## EXPENDITURE.

Jan. 18th.—Balance overdrawn at Commercial Bank as per statement for 1871 .. ..	37 1 4
Interest on overdrawn account as per Bank Book .. ..	3 18 4
ROYAL SOCIETY.—Meteorological instruments .. ..	2 10 6
Printing and advertising .. ..	38 7 6
Postage, parcels, &c. .. ..	6 1 7
Collector's commission on subscriptions, £123 at 5 per cent. .. ..	6 3 0
Messenger for delivering Proceedings to Members .. ..	1 0 0
Sundries .. ..	2 1 6
Clerical assistance for completing Meteorological Tables from Marine Board .. ..	20 0 0
Library.—Books and Stationery .. ..	54 14 4
Total Royal Society .. ..	125 0 0
MUSEUM.—Salary of Curator .. ..	51 10 0
Wages of Attendant .. ..	6 7 6
Insurance .. ..	6 8 0
Purchase and preparation of specimens .. ..	3 2 8
Water rate .. ..	3 11 4
Fuel and light .. ..	2 0 10
Sundries .. ..	6 6 9
Camphor, spirits of wine, &c. .. ..	6 6 10
Ironmongery .. ..	3 2 0
Freight and carriage of specimens .. ..	20 0 9
Fittings, repairs, &c. .. ..	150 0 0
Total Museum .. ..	244 4 0
BOTANIC GARDENS.—Salary of Superintendent .. ..	5 8 11
Wages of labourers .. ..	11 9 0
Tools and repair of ditto .. ..	1 8 5
Freight and carriage of plants .. ..	14 17 4
Stationery and stamps .. ..	13 15 9
Forage .. ..	15 1 2
Ironmongery .. ..	0 8 0
Repair of buildings .. ..	22 9 4
Seeds .. ..	1 0 10
Sundries .. ..	480 2 9
Water rate .. ..	£885 17 6
Total Botanic Gardens .. ..	

Audited and found correct { HENRY COOK } Auditors.  
FRANCIS BUTLER }

27th January, 1873.

## BOOKS PURCHASED &amp; PRESENTED DURING 1872.

[Presentations marked thus \*]

Arts, Journal of Society of, Vol. 19, Nos. 989 to 992 ; Vol. 20, Nos. 993 to 1,039.

Arts, Transactions of Society of, Vol. 19.

Athenæum, Current numbers.

\*Acclimatisation Society, Victoria, Reports of 1871-2. From the Society.

\*Animals, large, on the existence of, in the upland Lakes of Tasmania.  
By C. Gould, F.G.S. From the Author.

\*Builder, The, Current numbers. From Dr. Agnew.

\*Beet Sugar Factory, The Technology of. By J. Barnard, Esq. From the Author.

\*Catalogue of Plants, Huber, 1872.

\*\_\_\_\_\_ of Books, 3, Quaritch.

\*\_\_\_\_\_ of Parliamentary Library, Tasmania.

\*\_\_\_\_\_ of Agricultural Exhibition, New South Wales.

Conchologia Iconica. Parts 290, 295.

\*Census of Victoria. Parts 1 and 2. From the Registrar-General, Victoria.

\*Currents and surface temperature of North Atlantic Ocean, 1872. From the Meteorological Office, Board of Trade, London.

\*Coast Survey, United States, Report of, 1868. From U.S. Government.

\*Climate and Vital Statistics of Tasmania. By Dr. E. S. Hall. From the Author.

\*Discursos sobre su inauguracion, Observatorio Astronomico Argentino.  
From Professor B. A. Gould.

\*Echinodermata of New Zealand. By F. W. Hutton, F.G.S., C.M.Z.S. From the Author.

Florist and Pomologist, Nos. 47 to 58 (Nov. 1871 to October 1872.)

Fishes of New Zealand. By F. W. Hatton, F.G.S., &c. From Dr. J. Hector, F.R.S.

Gardeners' Chronicle, The, current numbers.

\*Intelligencer, Literary, Walch's Monthly Numbers. From Messrs. Walch & Sons.

Journal of Science and Art, Silliman's American, Vol. 2, Nos. 11 and 12 ; Vol. 3, Nos. 13 to 18 ; Vol. 4, Nos. 19 to 21.

Journal, Quarterly of Science, current numbers.

Journal of Agricultural Society of New South Wales, current numbers.

\*Journey to Musardu, Appendix. By B. Anderson, New York. From the Author.

Magazine, Country Gentleman's, Vol. 7, Nos. 40 to 46 ; Vol. 8, Nos. 47 to 52.

\*Medical and Surgical Pamphlets (30) by Dr. Amussat, Paris. From the Author.

\*Meteorological and Magnetical Observations, made at Batavia, 1870.  
From the Government of Netherlands, India.

\*Meteorological Reports, Quarterly, 1870. From Meteorological Office, Board of Trade, London.

\*Meteorological Observations, made at Radcliffe Observatory, Oxford, 1871, Results of. From F. Abbott, Esq.

\*Meteorological Returns for New Zealand, 1870. From the Government.  
\_\_\_\_\_ Sydney, 1872, monthly. From the Govern-  
ment Observer.

\*\_\_\_\_\_ Melbourne. From R. J. L. Ellery, Esq.  
1872, monthly.

\*\_\_\_\_\_ Monthly, for Hobart Town. From F. Abbott, Esq., F.R.M.S.

- \*Meteorological Returns, Monthly, for Swansea. From Dr. Story.  
 \*————, Ditto, for Port Arthur. From A. H. Boyd, Esq.  
 \*————, Ditto, for Westbury. From F. Belstead, Esq.  
 \*————, Ditto, Tamar Heads. From R. Henry, Esq.  
 \*———— Observations, Results of 30 years', for Hobart Town. By F. Abbott, F.R.M.S.  
 Nature, Current Numbers.  
 Natural History, Annals and Magazine of, Vol. 8, Nos. 47-8 ; Vol. 9, Nos. 49 to 55 ; Vol. 10, Nos. 55 to 58.  
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 \*Patents, Abstracts of, Victoria, Parts 1 and 2, 1871 ; Indexes, 1870. From W. H. Archer, Esq.  
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 \*Political Economy. By E. C. Nowell. From the Author.  
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 \*————, Smithsonian for 1869, 1870. From the Smithsonian Institution, Washington.  
 \*————, of Department of Agriculture, Washington, 1869-70. From the Department.  
 \*———— on the Water of the State of Maine. From U. S. Government.  
 \*———— of Commissioners of Fisheries, State of Maine. From Ditto.  
 \*————, Annual of Philosophical and Literary Society, Leeds.  
 \*———— of Mining Surveyors and Registrars of Victoria. From Victorian Government.  
 \*———— of Colonial Museum, Wellington, N. Zealand, for 1870. From J. Hector, Esq., M.D., F.R.S.  
 \*———— of British Association, 1870. From the Association.  
 \*———— of American Patent Office, 1868, vols. 1, 2, 3, 4. From the U. S. Commissioner of Patents.  
 \*———— Report of Board of Public Education, 1870. From the Board of Education, Philadelphia, U. S. A.  
 \*———— Annual of Museum of Comparative Zoology, Harvard College, Cambridge, U. S. America. From Director of the Museum.  
 \*Statistics of New Zealand, 1870-71. From J. B. Bennett, Esq., Registrar-General, New Zealand.  
 \*———— of Victoria, 1870. From W. H. Archer, Esq., Registrar-General.  
 \*———— of Tasmania for 1871. From E. C. Nowell, Esq., Government Statistician.  
 \*Society, Royal Astronomical.—Monthly Notices of vols. 28 to 31 inclusive. Index to first 29 volumes.  
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- \*Society, Royal Geographical, Proceedings of, Vol. 15, Nos. 1 and 5;  
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- \*———, Journal of, Vol. 40. From the Society.
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- \*———, Vol. 11, Nos. 51 to 54. Zoology.
- \*———, Proceedings of, Session 1871-2.
- \*———, Geological, Quarterly Journal of, Vol. 27, Nos. 106-108; Vol.  
28, No. 109.
- \*———, List of, November 1st, 1871.
- \*———, Zoological, Proceedings of, Parts 1, 2, 3, 1870; Part 1, 1871.  
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- , Ray, The, Volume for 1869.
- \*Smithsonian Contributions to Knowledge, Vol. 17. From the Smith-  
sonian Institution.
- \*Salmon, Irregularity in the growth of. From the Author, M. Allport,  
Esq., F.Z.S., F.L.S., C.M.A.J., &c.
- \*Transactions of Connecticut Academy of Arts and Sciences. Vol. 1,  
Part 2; Vol. 2, Part 1. From the Academy.
- New Zealand Institute, 1871. From Dr. J. Hector,  
F.R.S.
- Institution of Engineers and Shipbuilders in Scotland.  
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- \*Tour from Port Esperance to Adamson's Peak, Account of. By the  
Hon. J. R. Scott, Esq., M.L.C.

## PRESENTATIONS TO MUSEUM DURING 1872, WITH NAMES OF DONORS.

- Allen, Mr. P., Hobart Town.—An Almond Tumbler Pigeon.
- Allport, Master C.—An Irish Farthing, 1806.
- Atkinson, Rev. H. D., Three Hut Point.—Porphyry from Trial Bay.  
Carboniferous Limestone from Arch Head. Iron Ore from Three  
Hut Point. Two Echini from deep water.
- Aldred, Mr.—Specimen of a curious Fungus from Watchorn's Hill.
- Abbott, Mr. F., jun.—A Blue Mountain Parrot (*Trichoglossus multicolor*).
- Burgess, Miss, Hobart Town.—Tanned Skin of a very large Bengal  
Tiger (*Felis tigris*).
- Blythe, Mr. J. B., Honeywood.—Skin of Black Snake (*Hoplocephalus  
curtus*). Specimen of *Antechinus swainsonii* and young.
- Barnard, J., Esq., Hobart Town.—Six specimens of auriferous Con-  
glomerate from Rouse's Paddock Diggings, Mudgee, N. S. Wales.  
Two Species of Sandstone, with Dendrites from ditto. Gum of  
an indigenous Forest Tree of N. S. Wales.
- Bidencope, Mr. J.—6 samples of Tin Ore from New England, N. S. Wales,  
2 specimens of Stanniferous Quartz from ditto. 2 Topazes from  
ditto. 1 specimen Hartley Shale. Rock specimen from Blue  
Mountains, N. S. Wales. 1 specimen Iron Ore from the Leven,  
Tasmania.
- Bayley, Captain, New Town.—An Albino Pheasant, from New Zealand.
- Bromfield, Mr., Hobart Town.—A Beaver Rat (*Hydromys chrysogaster*.)
- Butler, F., Esq., Director of Public Works.—A block of Red Granite  
from Gabo Island.
- Chichester, C. M. S., Esq., Private Secretary.—Specimen of *Voluta  
elliotti* from Western Australia.

- Clinch, J., Capt.—A Bow, 19 large and 27 small poisoned Arrows, a Neck Ornament, and Head-dress of a New Guinea Chief.
- Cearns, Mr., Hobart Town.—A fac-simile of the letter, addressed to Lord Monteagle, which occasioned the discovery of the Gunpowder Plot.
- Degraves, C., Esq.—Sample of Tin Ore, and Tin smelted from the same. From Queensland.
- Dry, Lady.—Specimen of the Superb Fruit Pigeon (*Lamprotreron superbus*) shot at Quamby after a heavy northern gale.
- Davies, Mr., Hobart Town.—A brass weight 5dwts. 6grs. (Weight of Guinea of 1772.)
- Elwell, Mr., Hobart Town.—Piece of Copper Ore, partially smelted in a blast furnace, probably from Adelaide.
- Everett, Mr. G., Cape Barren Island.—Large abnormal growth of Horse's Hoof, from Preservation Island, Bass' Straits.
- Emmett, Mr. Sketton, Circular Head.—A young Tree Fern (*Cyathea affinis*.)
- Fisher, Captain, brig "Wild Wave."—A Boa (*Python sp.*) found alive in the cabin of the vessel nine days after leaving Sourabaya, Java, supposed to have been taken on board in a bag of clothes belonging to a passenger.
- Giblin, Mrs. T.—Two operculæ of a species of Turbo, from Fiji.
- Gatenby, R., Esq., Macquarie River.—A small "Tiger" snake (*Hoplocephalus curtus*.) A "Grass" snake, probably a very young specimen of *H. curtus*. 48 eggs taken out of a black snake. Eggs of so-called "Iguana" (*Cyclodus nigroluteus*.) 2 Rock Lizards. 1 Lizard. 1 Gecko from Ballarat. Ascaris sp. from Kangaroo. Deformed Kitten. Centipedes, Scorpions, &c., &c. A Native Devil (*Sarcophilus ursinus*.) 2 Native Tigers (*Thylacinus cynocephalus*.)
- Graves, J. W., Esq., Hobart Town.—A Freshwater Crayfish (*Astacus sp.*) from Gordon River. Cast of face of Timmy, a Tasmanian Aborigine. Cast representing an interview between G. A. Robinson and a party of Tasmanian Aborigines. Photographic Copy of Portrait of G. A. Robertson, Protector of the Aborigines.
- Gellibrand, W. A. B., Esq.—Gravid uterus of Forester Kangaroo Rat. (*Bettongia cuniculus*.) Ditto of Wallaby (*Halmaturus billardieri*.)
- Groom, Mr., Hobart Town.—A Bronze Portuguese Coin 1814.
- Hood, Master E.—3 Eggs (probably of a species of Petrel) from Bird Island.
- Hull, Master.—Nest of White Eye (*Zosterops dorsalis*.)
- Hebblewhite, Mrs.—Portrait of Leichardt, framed and glazed.
- Hedberg, Mr. O. H.—Atlas of Sperm Whale.
- Huston, Dr., New Norfolk.—2 Paradise Ducks (*Casarca variegata*) of New Zealand.
- Hodgson, W., Esq., M.H.A.—Specimen of Native Bread (*Mylitta australis*) from Sorell.
- Hissey, Mr. W.—A Cape Barren Goose (*Cereopsis nove hollandiæ*.)
- Just, T. C., Esq., Launceston.—A small bar of malleable iron manufactured from Tasmanian Ore.
- Kreskel, Mr. J. G.—A Brazilian Silver Coin (*Mille rei*.)
- Legrand, Mr. W.—Sponge from Recherche Bay. A specimen of rare Irish Slug (*Geomalcus maculosus*.)
- Littlechild, Mr. H., Lindisferne.—4 Spine-tailed Swifts (*Chaetura caudacuta*.)
- Lucas, Mr. R. J.—Specimen of Fish (*Cheironectes politus*.)
- Luckman, Mr., Sorell.—2 Shoveller Ducks (*Spatula rhynchotis*.)



- Lewes, H.S., Esq., Geelong.—A collection of Weapons, &c., of Aborigines of Australia. 2 Stone Tomahawks. Basket made by women. One Shield. 4 Waddies. 4 Clubs, and one Boomerang.
- Legge, Lieut. W. V., R.A., Ceylon.—2 Nests of Weaver Bird, and a collection of Ceylon Reptiles.
- Montgomerie, Mr., Hobart Town.—A prize Belgian Canary.
- MacLanachan, Hon. J., Esq.—A Green Leek Parrakeet (*Polytelis barrabandi*) from New South Wales. A Hen Pheasant (*Phasianus colchicus*.)
- Meredith, J., Esq., Swansea.—A Musk Duck (*Biziura lobata*.)
- Manion, Mr. P.—Copper Pyrites from Adelaide.
- Maning, Mr. A. H.—A Butterfly Gurnard.
- McArthur, Captain G.—Lower Jaw of square-headed Grampus, ditto of Cestracion, 24 Land Shells (*Bulinus sp.*) from Howes Island.
- Nichols, Mr. F. E., Gould's Country.—Two Pieces of Chain cut with a pocket knife from solid wood.
- Owen, Mr. H.—A Japanese Coin.
- O'Reilly, Captain, Brisbane.—2 Skeletons of the Dugong (*Halicore dugong*.)
- Peacock, Mr. W., Sorell.—A Pelican (*Pelecanus conspicillatus*.)
- Paul, Mr. G.—A mass of drift conglomerate from near Bridgewater.
- Page, J., Esq., Lemon Springs.—Specimen of Native Bread (*Mytilus australis*.) The skin of a very large domestic cat.
- Pearce, Master H., New Town. A Tippet Grebe (*Podiceps australis*.)
- Roblin, Mr. T., Curator of Museum.—Echini and Haliotis from East Coast of Tasmania.
- Ross, T. R. J., Esq., Huon.—A plumed bronze wing Pigeon (*Ocyphaps lophotes*) from Australia. Two Indian Boas (*Python tigris*) from Ceylon.
- Robinson, Mrs., Cascades.—Tin Ore from N. S. Wales.
- Rayner, Mr., River Styx.—A Hawk with curiously coloured plumage.
- Simpson, Mr.—Sample of Flax grown at the Huon.
- Solomon, Mr. N. C. F., ship "Eugenie."—Five Danish Coins. A fossil Eclimus from Denmark. A Flint Arrow Head from ditto.
- Seidelin, Mr. Conrad.—251 Silver and Copper Danish Coins. A Bronze Medal of Peter the Great of Russia.
- Stuart, Mr. R. W., Table Cape.—11 Specimens of Garnets from that locality.
- Salier, F. J., Esq.—A War Canoe, with Paddles, &c., from the Solomons Island Group, South Pacific. A "Frigate" or "Man of War" Bird.
- Sale, Mr. H.—A Brazilian Copper Coin.
- Scott, Jas., Esq., M.H.A.—16 Stone Implements of Tasmanian Aborigines, from Mount Morriston.
- Sprent, Mr. C., Table Cape.—12 Mineralogical Specimens from the neighbourhood of Mt. Bischoff.
- Stokell, Mrs. W., Hobart Town.—A piece of "Tapa" cloth from South Seas.
- Stephens, T., Esq., M.A.—Specimen of Bituminous Shale from Piper's River, Tasmania.
- Taylor, Mr. G., Valleyfield.—A White Hawk (*Leucospiza nove hollandia*.)
- Thorne, Mr. S.—An Egret (*Herodias alba*.)
- Thorne, Mr., Hobart Town.—A Brazilian Parakeet.
- Williams, Captain, "Kestrel."—Shells from the East Coast of Tasmania. A Bittern (*Botaurus australis*.) Skin of Avocet.
- Williamson, Mr., Hobart Town.—Sandstone Boulder from Anderson's Quarry.

- Whitehead, J., Esq., M.H.A.—An Egret (*Herodias alba*.)  
 Watson, Mr. J., Muddy Plains.—Two White-eyed Ducks (*Nyroca australis*.)  
 Wickborg, Mr.—Skin of a Toucan from Brazil.  
 Wilson, G., Esq.—Tin Sand from the Ovens, Victoria.  
 Willett, Mrs., New Town.—A young Viper and a small Snake from Cape of Good Hope.

PLANTS AND SEEDS RECEIVED AT THE ROYAL SOCIETY'S  
 GARDENS DURING THE YEAR 1872.

PRINCIPALLY FROM FOREIGN PARTS.

- January.—From Mons. J. Linden, Brussels.—Two cases containing 71 Plants, 46 alive, 25 dead.  
 March 1st.—From Mr. F. Salier.—One case of Plants from Lord Howe's Island.  
 April.—From the Royal Gardens.—Kew Seeds of *Cedrus atlantica*.  
 April 15th.—From Dr. Schomburgh, Botanic Gardens, Adelaide.—35 species Bulbs.  
 May 10th.—From Mr. C. Hollinsdale.—60 packets imported Seeds.  
 May 18th.—From the Melbourne Botanic Gardens.—Two cases containing 100 Plants of utility for distribution.  
 June 3rd.—From Ch. Huber, France.—Seeds of *Pterocarya caucasica*.  
 July 6th.—From the Melbourne Botanic Gardens.—50 Plants *Eucalyptus rostrata*.  
 July 6th.—From W. G. Brumming, St. Kilda.—30 Plants, 30 varieties *Gladioli*.  
 August 2nd.—From the Melbourne Botanic Gardens.—31 Plants, principally *Eucalypti*.  
 August 2nd.—From Mr. J. Bailey.—32 Imported Plants of *Ilex*, &c.  
 August 23rd.—From Mr. William Bull.—New Plant, Merchant, London; 141 packets seeds.  
 August 28th.—From Jean Kerschaffett, Ghent, Belgium.—200 Plants, all dead from salt water.  
 September 28th.—From the Royal Gardens, Kew.—511 packets of Seeds.  
 October 2nd.—From Ch. Huber, France.—Nine varieties Chinese *Primrose*.  
 August 19th.—From the Royal Gardens, Kew.—19 species *Aconitum* Seeds.  
 November 4th.—From C. Gould, Esq.—Four Plants *Aralia bidwilli*; Cuttings of *Bougainvillea* species.  
 November 23rd.—From the Royal Gardens, Kew.—60 packets seeds.  
 November 23rd.—From Mr. C. F. Cresswell.—100 named *Hyacinths* (Imported.)  
 December 9th.—From Mr. C. Hollinsdale.—28 varieties of Bulbs.  
 December 24th.—From Mons. Verschaffett.—160 varieties Dutch Bulbs.  
 December 27th.—From D. Manning, Sydney.—Seeding Norfolk Island Pine.  
 December 28th.—From the Chamber of Agriculture, Smithsonian Institute.—36 packets Vegetable Seeds.

PLANTS AND SEEDS SENT FROM THE ROYAL SOCIETY'S  
GARDENS DURING THE YEAR 1872,

PRINCIPALLY TO FOREIGN PARTS.

- March 1st.—To the Botanic Gardens, Adelaide.—2 cases containing 66 Plants.  
 March 5th.—To Mr. McGinn, Botanic Gardens, Cape Town.—25 packets Seeds.  
 March 5th.—To Mr. Wilson, St. George's Park, Port Elizabeth, South Africa.—25 packets of Seeds.  
 March 25th.—To the Royal Gardens, Kew.—60 packets of Seeds.  
 May 31st.—To Mons. J. Verschaffett, Ghent, Belgium.—6 Tree Ferns, 6 and 8 feet.  
 June 18th.—To the Royal Gardens, Kew.—100 packets of Seeds.  
 July 24th.—To the Melbourne Botanic Gardens.—30 packets of Seeds.  
 July 24th.—To Mr. G. Brunning, Nurseryman, St. Kilda, near Melbourne.—32 Plants, 50 packets of Seeds.  
 October 2nd.—To D. Manning, Sydney.—24 Plants.  
 December 2nd.—Per "Ethel," to Mons. Jean Verschaffet, Ghent, Belgium.—3 Tree Ferns, each about 12 feet in length.

PLANTS SUPPLIED FOR THE DECORATION OF PUBLIC  
PLACES, DURING 1872.

- May 7th.—H.M. Gaol, Campbell-street.—68 Plants.  
 May 22nd.—The Longford Church Grounds.—70 Plants.  
 May 22nd.—The High School Grounds, Hobart Town.—64 Plants.  
 May 22nd.—Campbell Town Church Grounds.—83 Plants.  
 May 22nd.—Jew's Synagogue, Hobart Town.—64 Plants.  
 May 30th.—Church of England Grounds, Broadmarsh.—84 Plants.  
 May 31st.—Church of England Grounds, Avoca.—55 Plants.  
 June 6th.—The Public Offices, Launceston.—21 Plants.  
 June 10th.—Public School, Bagdad.—60 Plants.  
 July 6th.—Hobart Town City Council for Castray Esplanade.—17 Elms.  
 July 16th.—For Town Hall Grounds.—100 Plants.  
 July 30th.—The Cemetery Grounds, New Town.—286 Plants.

F. ABBOTT, JUN.



# LIST OF PLANTS INTRODUCED INTO THE ROYAL SOCIETY'S GARDENS DURING 1872.

<i>Acer Tataricum</i>	<i>Eucalyptus colosseae</i>
<i>Alnus macrophylla</i>	„ <i>elliptica</i>
<i>Amaranthus atropurpureus</i>	„ <i>eugenoides</i>
<i>Amelanchier montana</i>	„ <i>gonyocalyx</i>
<i>Ampelopsis japonica</i>	„ <i>gunni</i>
<i>Anona cherimolia de loxa</i>	„ <i>hemiphleia</i>
<i>Antigonon leptopus</i>	„ <i>lencoxylon</i>
<i>Arabis aremosa</i>	„ <i>madrorthyncha</i>
<i>Arbutus andrachne</i>	„ <i>megacarpa</i>
<i>Betula lutea</i>	„ <i>nutans</i>
<i>Bontelona curtispindula</i>	„ <i>pilularis</i>
<i>Brabia egregia</i>	„ <i>polyanthem</i>
<i>Calodendron capense</i>	„ <i>punctata</i>
<i>Campanula altidiifolia</i>	„ <i>resinifera</i>
„ <i>medium roseum</i>	„ <i>siderophleia</i>
<i>Carica gracilis</i>	„ <i>stricta</i>
<i>Centaurea candidissima</i>	<i>Fagus nigra</i>
<i>Ceroxylon niveum</i>	<i>Gaillardia admiration</i>
<i>Chamærops stauracantha</i>	„ <i>loisellii</i>
„ <i>tomentosa</i>	<i>Galasine azurea</i>
<i>Chamædorea Ernest Augusti</i>	<i>Genista radiata</i>
<i>Chrysophyllum carinito</i>	<i>Glaziova insignis</i>
<i>Cinnamomeum cericeum</i>	<i>Hæmanthus insignis</i>
<i>Citrus limoton</i>	<i>Hedera canariensis maculata</i>
<i>Clivia miniata</i>	„ <i>helix marmorata</i>
<i>Cocos australis</i>	<i>Hyacinthus candicans</i>
„ <i>flexuosa</i>	<i>Iberis linifolia</i>
„ <i>wallisi</i>	<i>Ilex hodginsi</i>
„ <i>yurumaguas</i>	„ <i>laurifolia</i>
<i>Coreopsis aristosa</i>	„ <i>myrtifolia</i>
<i>Cotoneaster acuminata</i>	„ <i>scottica</i>
„ <i>boxlearia</i>	„ <i>shepherdii</i>
„ <i>granatensis</i>	<i>Jubaea torallis</i>
„ <i>rotundifolia</i>	<i>Juglans granatensis</i>
„ <i>vulgaris</i>	<i>Kyllingia triceps</i>
<i>Cratægus fructo lutea</i>	<i>Lachenalia rosea</i>
„ <i>oxycantha flava</i>	„ <i>superba</i>
„ „ <i>lutescens</i>	<i>Lantana sellowii</i>
<i>Cupressus Lawsoniana argenta</i>	<i>Lecythis ollaria</i>
„ „ <i>erecta</i>	<i>Lilium thompsonianum</i>
„ „ <i>gracilis</i>	„ <i>thunbergianum</i>
<i>Cyclobothria pendula</i>	<i>Livistonia rotundifolia</i>
<i>Cyperus cylindrostachys</i>	<i>Lupinus mutabilis</i>
<i>Datura gigantea</i>	„ <i>subcarnosus</i>
<i>Delphinium nudicaule</i>	„ <i>venustus</i>
„ <i>regninii</i>	<i>Lychnis lagascai</i>
<i>Deutzia crenulata variegata</i>	<i>Lycium arnosum</i>
<i>Ebenus criticus</i>	„ <i>chinense</i>
<i>Echeveria secunda</i>	<i>Machirerium firmum</i>
<i>Erigeron glabellum</i>	<i>Mahortica speciosa</i>
<i>Eschscholtzia rosea</i>	<i>Martinezia lindeniana</i>
<i>Eucalyptus alpina</i>	<i>Mathiola tricuspidata</i>
„ <i>behryana</i>	<i>Morenia lindenii</i>
„ <i>corymbosa</i>	<i>Myosotis dissitiflora</i>

*Narcissus monophyllus*  
*Nerine corusca*  
*Nigella hispanica atropurpurea*  
*Orbignia dubia*  
*Oxalis andrieuxii*  
     " *articulata*  
     " *bipunctata*  
     " *deppei*  
     " *filifolia*  
     " *flava*  
     " *grandiflora*  
     "     " *alba*  
     "     " *rosea*  
     " *lactiflora*  
     " *lasiopectala*  
     " *monophylla*  
     " *multiflora*  
     " *obtusata*  
     " *pentaphylla*  
     " *rosacea*  
     " *rubella*  
     " *rutilans*  
     " *tetraphylla*  
*Pectis angustifolia*  
*Persia frigida*  
*Phoenix tenuis*  
*Pinus tongiana*  
*Piper fucudosuro*  
*Pittosporum ralphii*  
*Platystemon californicum*  
*Plumbago rosea*  
*Populus angulata*  
     " *betulaefolia*  
     " *græca*  
     " *macrophylla*  
*Prunus candicans*  
     " *orientalis*  
     " *padus*  
     " *semperflorens*  
*Pterocarya caucasica*  
*Pyrus aurantiaca*  
     " *baccata macrocarpa*  
     " *communis nivalis*  
     " *hyemalis*  
     " *pinnatifida*  
*Quercus serrata*  
*Rhapis flabelliformis variegata*  
*Rhopala granatensis*  
*Rosa arvensis andersoni*  
     " *barkeri*  
     " *cinamonica*  
     " *hailstoni*  
     " *lucida*  
     " *microphylla*  
     " *mollissima*  
     " *rubiginosa latifolia*  
     "     " *major*  
     " *spinosissima*

*Rosa spinosissima astiflora*  
     "     " *pusilla*  
     "     " *rubra*  
     "     " *variegata*  
     "     " *vulgaris*  
*Sabal princeps*  
*Salix alba*  
     " *americana pendula*  
     " *conifera*  
     " *lambertiana*  
     " *napoleana*  
     " *rosmarinifolia*  
     " *russelliana*  
*Salvia camphorata*  
     " *pischeri*  
     " *russelliana*  
*Sedum maximoniczii*  
*Senecio centropappus*  
*Spiræa chamaedrifolia*  
     " *cratægifolia*  
     " *grandiflora*  
     " *indica*  
     " *nutans rhamnifolia*  
     " *salicifolia paniculata*  
     " *tomentosa*  
     " *vacciniæfolia*  
*Spondias pleiogyne*  
*Swainsonia splendens*  
*Syringa emodi*  
     " *vallettiana*  
     " *virginalis*  
*Theophrasta imperialis*  
*Thermopsis fabacea*  
*Thuja orientalis sieboldtii*  
     "     " *elegantissima*  
*Tilia grandiflora*  
     " *pubescens*  
*Triconema rosea*  
*Tripsacum monastachyum*  
*Vitis hypoglauca*  
*Weigela lavallii*  
*Zea Cuzco*

## ROSES.

Abbé Girandiere  
 Alphonse Fontaine  
 Berthe Baron  
 Christine Neilson  
 Climbing Victor Verdier  
 Grand Duchesse Marie  
 General de la Martiniere  
 Louis Van Houtte  
 Madame Alice Dereau  
 Madame Decour  
     " *Eugenie Verdier*  
     " *Hippolyte Jamin*

Madame Tauffe  
 „ William Paul  
 Marquis de Castellane  
 Paul Neron  
 Princess Christian

## FUCHSIAS.

Angelena Braemt  
 Angelic  
 Avalanche  
 Blanchette  
 Catherine Parr  
 Gazelle  
 Herald  
 Inimitable  
 Jolly  
 Lady Dumbello  
 Lustre  
 Model  
 Purple Prince  
 Tower of London  
 Vainquer de Puebla  
 Warrior Queen  
 White Eagle

## DOUBLE GERANIUM.

Andrew Henderson  
 Camelliæflora  
 Consul  
 Crown Prince  
 Memmon  
 Pink Perfection  
 Victor Lemoin  
 Ville de Nancy

## ZONAL GERANIUM.

Dr. Meuret  
 Lavinia

Hyacinths, 100 named varieties  
 Tulips, 30 named varieties  
 Crocus, 12 named varieties  
 Gladiolus, 30 named varieties

F. ABBOTT, JUN.