

REPORT

OF THE

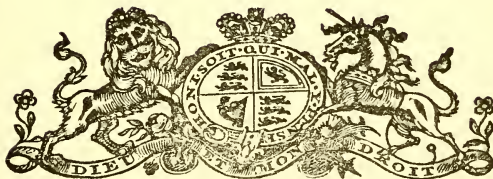
ROYAL SOCIETY

OF

TASMANIA

FOR THE YEAR

1881.



Tasmania:

WILLIAM THOMAS STRUTT, GOVERNMENT PRINTER, HOBART.

1882.



# ROYAL SOCIETY OF TASMANIA.

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## Patron :

HER MAJESTY THE QUEEN.

## President :

HIS EXCELLENCY MAJOR SIR GEORGE CUMINE STRAHAN,  
R.A., K.C.M.G.

## Vice-Presidents :

HON. J. W. AGNEW, M.D., M.L.C.  
JAMES BARNARD, ESQ.  
HIS HONOR MR. JUSTICE DOBSON.  
THOMAS STEPHENS, ESQ., M.A., F.G.S.

## Council :

\* THE RIGHT REV. BISHOP BROMBY, D.D.  
\* JOHN SWAN, ESQ.  
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\* A. G. WEBSTER, ESQ.  
C. T. BELSTEAD, ESQ.  
T. STEPHENS, ESQ., M.A., F.G.S.  
H. J. BUCKLAND, ESQ.  
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HIS HONOR MR. JUSTICE DOBSON.  
C. H. GRANT, ESQ.  
RUSSELL YOUNG, ESQ.  
HON. J. W. AGNEW, M.D.

## Treasurer :

C. J. BARCLAY, ESQ.

## Hon. Secretary :

JAMES BARNARD, ESQ.

## Auditors of Annual Accounts :

F. BUTLER, ESQ.  
JOHN MACFARLANE, ESQ.

## Auditors of Monthly Accounts :

H. J. BUCKLAND, ESQ.  
C. T. BELSTEAD, ESQ.

## Curator of Museum :

MR. T. ROBLIN.

## Superintendent of Gardens :

MR. F. ABBOTT, JUN.

\* Members who retire next in rotation.



## Honorary Member:

Mrs. Meredith, Launceston.

## Corresponding Members:

\* Members who have contributed Papers which have been published in the Society's Transactions.

W. H. Archer, Esq., Sydney, New South Wales.

Sir Joseph Dalton Hooker, C.B., K.C.S.I., &c., &c., London.

\*Baron F. Von Mueller K.C.M.G., M.D., F.R.S., F.L.S., &c., Government Botanist, Melbourne, Victoria.

C. Tomlinson, Esq., F.R.S., F.C.S., &c., Highgate, near London.

\*G. Bennett, Esq., M.D., F.Z.S., Sydney, New South Wales.  
Professor G. Neumayer, Munich.

\*Rev. J. E. Tenison-Woods, F.L.S., F.G.S., F.R.G.S.

Dr. W. O. Sonder, Foreign Hon. Sec. Society of Naturalists, Hamburg.

Rev. J. J. Bleasdale, D.D., F.G.S.

\*Captain W. V. Legge, R.A., F.Z.S., M.R.A.S., England.

Professor John Agardh, M.D., University of Lund, Sweden.

Dr. Julius Haast, F.R.S., Director of Museum, Christchurch, New Zealand.

Archibald Liversidge, Esq., F.G.S., Professor of Geology and Mineralogy in the Sydney University.

Professor W. Harkness, U.S.N., United States Naval Observatory, Washington.

Henry Haylin Hayter, Esq., Government Statist, Melbourne.

\*Frederick M. Bailey, Esq., Brisbane, Queensland.

\*Ralph Tate, Esq., Assoc. Lin. Soc., F.G.S., Professor of Natural History, University of Adelaide.

\*John Brazier, Esq., C.M.Z.S., Sydney.

\*Richard Schomburg, Ph.D., C.M.Z.S., Director of Botanic Gardens, Adelaide.

Professor G. F. H. Ulrich, F.G.S., Melbourne.

Alexander Wallace, Esq., Secretary Board of Agriculture, Victoria.

\*F. W. Hutton, Esq., F.G.S., C.M.Z.S., Professor of Biology, Canterbury College, Christchurch, New Zealand.

Rev. George Brown, C.M.Z.S., Sydney.

Professor F. M'Coy, F.G.S., University, Melbourne.

R. J. L. Ellery, Esq., F.R.S., F.R.A.S., Government Astronomer, Melbourne.

**Mons. J. N. Verschaffelt, Ghent, Belgium.**

**Robert Etheridge, jun., F.G.S., British Museum.**

**James Hector, M.D., C.M.G., F.R.S., F.G.S., Director  
Geological Survey of New Zealand, Wellington.**

**Rev. Charles Rogers, LL.D., Secretary Royal Historical  
Society, London.**

**E. P. Ramsay, F.L.S., Curator of Australian Museum,  
Sydney.**

**Hon. W. M'Leay, F.L.S., Sydney.**

**William Tompson Bednall, Adelaide, South Australia.**



## List of Fellows and Members.

\* Fellows who have contributed Papers which have been published in the Society's Transactions. † Denotes Life Membership.

- \*Abbott, Francis, F.R.S., F.R.M.S., Hobart.
- \*Abbott, F., jun., ditto.
- Adams, G. P., ditto.
- \*Agnew, Hon. J. W., M.D., M.L.C., Fellow of the Linnean Society of New South Wales, ditto.
- Aikenhead, Hon. J., M.L.C., Launceston.
- Adams, R. P., Solicitor-General, Hobart.
- Aubin, Mrs. F., ditto.
- Allport, Morton John Cecil, ditto.
- Atkins, Charles J., ditto.
  
- Bilton, H., Glenorchy.
- \*Barnard, James, Hobart.
- Butler, Francis, ditto.
- \*Bromby, Right Rev. C. H., D.D., Lord Bishop of Tasmania, Hobart.
- Bright, R.S., M.R.C.S., Eng., ditto.
- Butler, Henry, F.R.C.S., Eng., ditto.
- Buckland, H. J., ditto.
- Browne, Justin M'C., ditto.
- Barclay, C. J., ditto.
- Bedford, W., Anstey Barton.
- Belstead, C. T., Hobart.
- Belbin, W., M.H.A., ditto.
- Benjafield, H., M.B., ditto.
- Brown, Hon. N. J., M.H.A., Meadow Banks, Glenora.
- Bidencope, J., Hobart.
- Butler, E. H., ditto.
- Bailey, Rev. J. H. Brooke, ditto.
- Barnard, C. E., M.D., New South Wales.
- Brock, H. J., Campania.
- Beddome, C. E., Hillgrove, Brown's River Road.
- Burgess, W. H., Hobart.
- Bethune, John C., Dunrobin.
- Barnes, William, Trevallyn, Launceston.
  
- Chapman, Hon. T. D., M.L.C., New Town.
- Cook, Henry, Hobart.
- Clark, J. M., ditto.
- Creswell, C. F., ditto.
- \*Cotton, Francis, Swanport.
- Crawford, Lieut.-Colonel, Hamilton-on-Forth.

Clarke, J. K., New South Wales.  
 Cruttenden, Thomas, Woodsden, Buckland.  
 Coote, Audley, Sandy Bay.  
 Cowle, Miss, Hobart.  
 Crowther, A. B., M.R.C.S., Eng., ditto.  
 Crosby, R., ditto.  
 Crowther, E. L., M.D., ditto.  
 Crouch, E. J., M.R.C.S., Eng., ditto.  
 Crosby, William, jun., ditto.

\*Dobson, His Honor Mr. Justice, ditto.  
 Dobson, H., ditto.  
 Dowdell, C., ditto.  
 Davies, R. L., ditto.  
 Dodds, the Hon. J. S., M.H.A., ditto.  
 Dobson, Hon. Alfred, M.H.A., ditto. -

Elliston, C. H., ditto.  
 Evans, T. M., ditto.

Fysh, Hon. P. O., ditto.  
 Freeman, E. J., ditto

†Gellibrand, Hon. W. A. B., M.L.C., Hon. Member Leeds  
 Institute, River Ouse.  
 Grant, C. H., Hobart.  
 Gray, Rev. John, Glenorchy.  
 Grahame, W. H., Hobart.  
 Giblin, Edward O., M.D., ditto.  
 Grant, James, ditto.  
 Gawne, E. B., Bellerive.

\*Hall, E. Swarbreck, M.R.C.S., Eng., Hobart.  
 Harris, Rev. R. D. P., ditto.  
 Hunter, Henry, ditto.  
 Huybers, A., ditto.  
 Howell, F. G., ditto.  
 Holden, L. A., M.R.C.S., Eng., ditto.  
 Hookey, Vernon W., ditto.  
 Henry, Robert, junr., ditto.  
 Hamilton, Jno., Hobart.  
 Hull, H. M., ditto.

\*Johnston, R. M., ditto.

Kennerley, Hon. Alfred, ditto.



Kermode, W. A., Mona Vale.

Lewis, Hon. David, M.H.A., Hobart.

Lucas, R. J., ditto.

Latham, G. H., ditto.

Lovett, W., Colonial Auditor, ditto.

Maclanachan, Hon. James, Ballochmyle.

Macfarlane, James, Hobart.

Macfarlane, John, ditto.

Mather, J. B., ditto.

Maxwell, C. M., ditto.

\*† Milligan, Joseph, F.L.S., England.

Marsh, H. J., ditto.

† Mace, G., Spring Bay.

Morris, W. V., Hobart.

Murphy, Most Rev. D., Bishop of Hobart.

Macmichael, John C., Hobart.

Maddox, Wm. Gordon, M.R.C.S., Eng., Launceston.

Mason, Wm., M.R.C.S., Eng., ditto.

Mace, F., Buckland.

Macfarlane, W. H., M.B., New Norfolk.

Napier, G. R., Hobart.

\* Nowell, E. C., ditto.

Nairn, C. C., New Town.

Nicholas, Wm., Nant, Bothwell.

Nicholas, Geo. C., Mill Brook, Ouse.

Pillinger, J., Antill Ponds.

Perkins, H. A., M.D., M.R.C.S., Eng., Hobart.

Parsons, Cecil J., New Town.

Petterd, W. F., C.M.Z.S., Launceston.

Roberts, H. L., Hobart.

Read, R. Cartwright, Redlands, New Norfolk.

Riddoch, A., M.H.A., New Norfolk.

Roblin, T., Curator of Museum, Hobart.

Reynolds, W. J. J., ditto.

Richards, Rev. George B., President of Horton College,  
Ross.

Seal, M., Hobart.

Smith, His Honor Sir Francis, Chief Justice, ditto.

† Solomon, Joseph, Hobart.

\* Stephens, T., M.A., F.G.S., Inspector of Schools, ditto.

- Story, Dr. G. F., Swanport.  
 Salier, F. J., Hobart.  
 \* Swan, John, ditto.  
 \* Shoobridge, W. E., New Norfolk.  
 Shoobridge, E., ditto.  
 \* Simson, A., Launceston.  
 Scott, Hopton, Hobart.  
 Swan, E. D., ditto.  
 Sharp, J., ditto.  
 Shoobridge, R. W. G., New Norfolk.  
 Smith, C. H., Launceston.  
 Stone, T., Hobart.  
 Stanley, Captain, R.N., Hobart.  
 Shaw, Bernard, Launceston.  
 Simmons, Rev. J. Wilkes, Hobart.  
 \* Travers, S. Smith, New Town.  
 Walch, James H. B., Hobart.  
 Weaver, W. G., ditto.  
 Whyte, Hon. James, ditto.  
 Wilson, George, Mount Seymour.  
 Wise, F. H., Hobart.  
 Webster, A. G., ditto.  
 Wright, Stephen P. H., Glenorchy.  
 Westbrook, G. C., Hobart.  
 Woodgate, E. W., Launceston.  
 Walker, James Backhouse, Hobart.  
 Wagenknecht, Albert, George's Bay.  
 Wintle, S. H., F.L.S., ditto.  
 Young, Russell, Hobart.
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## Obituary.

GOULD, JOHN, F.R.S., F.L.S., F.Z.S., the eminent Ornithologist.—For many years a Corresponding Member of the Society. Died in London, 3rd February.

WHITCOMB, GEORGE.—Elected a Fellow of the Society in 1851. Died 19th February.

GUNN, RONALD CAMPBELL, F.R.S., F.L.S.—One of the founders of the Society. Died at Launceston, 23rd March.

HALL, EDWARD SWARBRECK, M.R.C.S., Eng.—A Fellow of the Society since 1854. Died at Hobart, 30th July.



*MINUTES of the Annual General Meeting of the ROYAL SOCIETY OF TASMANIA, held at the Museum, Macquarie-street, at half-past Seven P.M. on Thursday, 26th January, 1882; JUSTIN M'CARTY BROWNE, Esq., in the Chair.*

THE advertisement by which the meeting had been convened having been read, the Chairman called upon the Secretary to read the Annual Report.

The Report for 1881 was then read.

Mr. C. H. Grant, in moving the adoption of the Report, and that it be printed and distributed among the Fellows, said that it was a very satisfactory statement, especially so far as it related to financial affairs. They had commenced the year with a debit balance, and had concluded with money to their credit, which, although not of a great amount, was yet very satisfactory, showing that their worthy Secretary had carefully managed the finances of the Society. The work during the past year, although showing no great results, still made evident the fact that the Society had laboured successfully. Visitors to the Gardens during the year had been much delighted with them; and many of those from the neighbouring Colonies, and even from England, had spoken highly of the grounds, and of the orderly state in which they were kept. In the Library there had been a steady increase to the number of its volumes. It also had received eulogy from visitors, being undoubtedly, as a scientific Library, one of the best in the Colonies. He hoped that in the future the work of the Society would progress as satisfactorily as it had done in the past.

Mr. R. Henry seconded the motion, which was then put and carried.

The Hon. Secretary, Mr. Barnard, reported that the retiring Members of Council were Mr. Justice Dobson, Dr. Agnew, Messrs. C. H. Grant and Russell Young; that these names had been posted in the Library, agreeably to Rule 32; and that no other nominations had been received.

It was resolved that the retiring Members of Council be re-elected.

Messrs. F. Butler and John Macfarlane were again elected Auditors of Annual Accounts.

Mr. Wm. Nicholas, Nant, Bothwell, and Mr. Geo. Clarence Nicholas, Millbrook, Ouse, were elected Fellows of the Society.

Dr. Perkins moved a vote of thanks to Mr. Barnard, their worthy Secretary. He was sure he had given a great deal of time to the work of the Society. He had been most indefatigable in endeavouring to follow closely the footsteps of Dr. Agnew, who had left the Society as a foster child in his hands.

Mr. Stephens seconded the motion. It was fortunate for the Society that it had a gentleman with some measure of spare time on his hands, and willing, as was not in all cases the rule, to devote that time to a Society such as theirs. He thought he expressed the sentiments of all when he said they were grateful to Mr. Barnard for his assistance to the Society in the capacity of Hon. Secretary.

The motion was then put, and carried unanimously.

Mr. Barnard, in acknowledging the vote, said that he was but too happy to aid the Society, and found the employment given to him most congenial. It had been fortunate that when last year he retired from the office which he had held for many years, he had found an opportunity to thus occupy his leisure time. It had been his desire, wish, and hope that the office of Hon. Secretary should suffer no discredit whilst in his hands. He had endeavoured to promote the objects of the Society in every way possible, and he thanked them for the support he had met with in his efforts. All would welcome the return of Dr. Agnew; and he hoped that when he came back he (Mr. Barnard) would be able to hand over the office of Secretary to him without it having suffered any detriment. He desired to acknowledge the assistance he had received from the co-operation of the Curator, Mr. Roblin, whose services were of a most valuable nature to the institution, and worthy of far higher pecuniary recognition than they received. The Society and public were much indebted to that gentleman; and he felt that he could not say too much regarding the services Mr. Roblin had rendered the Society. Although Curator of the Museum, his labours were not confined to that branch of the Society; and he (Mr. Barnard) hoped that some means would be devised for making the office a more remunerative one than at present.

A vote of thanks to the Chairman concluded the business.

## R E P O R T.

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THE session of 1881 was opened on April 12, with an inaugural address by His Excellency Sir J. H. Lefroy, K.C.M.G., C.B., F.R.S., as President of the Society. This was followed by a paper read by Mr. R. M. Johnston, F.L.S., entitled "Notes showing that the estuary of the Derwent was occupied by a Freshwater Lake during the Tertiary period." The following papers were brought forward at the various subsequent meetings:—"Notes on two new Marine Shells (*Delphinula Johnstoni* and *Leda Lefroyi*)," dredged off Three Hut Point, D'Entrecasteaux Channel, by Lieut. C. E. Beddome, I.N.—"Suggestions for an extended elucidation of the Plants of Tasmania," by Baron F. Von Müeller, K.C.M.G., M.D., F.R.S.—"Notes on a species of Eucalyptus (*E. hamastoma*)," not hitherto recorded in the Flora of Tasmania, by T. Stephens, Esq., M.A., F.G.S.—"On Auriferous Country and Gold-bearing Rocks," by Charles E. Barnard, M.D., F.L.S.—"On Type Species of Tasmanian Shells unrecorded in 'Census of Tasmanian Shells,'" by Professor R. Tate, Assoc. Linn. Soc. F.G.S.—"Notes on a species of *Zieria* (*Z. veronica*)," by Augustus Simson, F.L.S.—"On the Queen's Domain, Hobart, with suggestions for its improvement," by E. J. Crouch, M.R.C.S., Eng.—"Remarks on the Abstracts of the Meteorological Observations taken at the Lighthouses and other Coast Stations in Tasmania during the years 1871, 1872, 1873, 1874, and 1875," by E. C. Nowell, Government Statistician.—"On the question of establishing a 'Botanical Class-Ground' in the Society's Gardens," by T. Stephens, M.A., F.G.S.—"On the Magnetic Variation at Hobart, and its change in amount since last determined," by His Excellency Sir J. H. Lefroy, K.C.M.G., C.B., F.R.S., President of the Society.—"On the Scamander Gold Field," by S. H. Wintle, F.L.S.—"Notes on *Leontopodium catipes*," by Baron F. Von Müeller, K.C.M.G., M.D., F.R.S.

The Council have to record the loss sustained during the year by the death of Mr. Ronald Campbell Gunn, F.R.S.,

F.L.S., a distinguished botanist and man of science, and who had been associated with the earliest history of the Society; and also of Mr. John Gould, F.R.S., the eminent ornithologist, whose publications are of world-wide celebrity. One of the original Members of the Society, the late William Henty, deserves mention from his uniform support to the interests of horticulture and botany during his lengthened residence in Tasmania. The list would be incomplete without a reference to Dr. E. S. Hall, whose labours in the cause of sanitary science in conjunction with meteorology and vital statistics were so well known and highly appreciated both at home and abroad. Seventeen new Members were elected into the Society during the year, and there was but one resignation.

Meteorological Returns have, as usual, been received from the various Lighthouses, through the Marine Board; and Mr. W. E. Shoobridge has furnished the results of his observations taken at New Norfolk during the past year. An Abstract for the five years ending in 1880, of the Lighthouse Tables, is in the press. No observations have, as yet, been resumed at Hobart, but steps are in progress to effect this desirable object early in 1882. In connection with this subject, the Council has to acknowledge the presentation to the Society by the late President, Sir J. H. Lefroy, of ten Rain Gauges, for the purpose of instituting a systematic enquiry into the local distribution of rain in Tasmania,—an act of thoughtful kindness and liberality which well deserves acknowledgment.

The movement, initiated at an evening meeting of the Society, for the improvement of the Queen's Domain, has received the sanction of the Government, who have placed a sum of money at the disposal of the Committee which has been formed for the purpose of carrying out the work.

#### COUNCIL.

A vacancy in the Council has occurred during the year, occasioned by the retirement of Mr. Francis Abbott, F.R.A.S., which has been filled up by the re-election of the Right Rev. Bishop Bromby. The list of retiring

Members has been posted in the Library for the last three days, agreeably to Rule 33.

#### FINANCE.

The income from all sources was as follows:—Government grant in aid to Museum, £200; ditto to Gardens, £600; annual subscriptions, £166; special donation from Sir J. H. Lefroy, £5; from Marine Board, £20; sale of plants, &c. at Gardens, £70 4s. 10d., giving a total of £1061 4s. 10d. The expenditure amounted to £1046 4s. 4d., thus leaving a balance to credit in the Commercial Bank of £15 0s. 6d. The outstanding liabilities will probably amount to not more than £20, against which must be placed £30 12s. in the hands of Mr. Abbott for weekly payment of wages at Gardens, and arrears of subscriptions estimated at £20.

#### GARDENS.

About 300 new plants have been added to the collection, many of which, when fully developed, will doubtless prove of an ornamental character. From Mons. J. Linden, of Ghent, was received a collection of Camellias and Azaleas, packed in an ordinary case, and sent in the hold of one of the Orient steamers. The plants arrived in excellent condition, the Camellias especially, not having lost a leaf. The experiment will prove of interest to persons introducing plants of this description. It may be worthy of note that the American Cranberry (*Vaccinium macrocarpon*), introduced into the Gardens a few years ago, has increased sufficiently to fill a large tub, and is apparently thriving. This plant is valuable for cultivation on wet peat bogs, but suitable for little else. In Canada and the United States it is subjected to regular culture, and is a source of great profit. About ten thousand Norfolk Island Pines have been raised from seed received from Norfolk Island. This is worthy of record, as being the first batch raised from seed in the Colony. The plants will be valuable for effecting exchanges. In the propagating yards various alterations, necessitated by the decay of the old fencing, and additions have been made. A rough



fern house has been erected, and also a large trellis work shelter for pot plants. Progress is being made with the new plant labels. About 1000 have been prepared, and several hundreds of the names printed ready for mounting. This work will be pushed on as expeditiously as possible. Thanks are due to the Directors of the Royal Gardens, Kew, London; the Botanic Gardens, Adelaide and Melbourne; Baron Von. Müeller; the Chamber of Agriculture, Washington, U.S.A.; Messrs. Low of London; Verschaffelt, and Linden, of Ghent, Belgium, and others, for their valuable donations and exchanges during the year; also to the owners and captains of vessels, who have on many occasions gratuitously carried cases of plants, &c. for the Gardens. The Government has rendered its usual assistance, as far as was in its power, in the supply of labour necessary for the performance of the rougher garden operations. The approximate number of visitors to the Gardens during the year was 51,914.

#### MUSEUM.

As stated in the monthly reports of the meetings, many objects of interest have been added to the collection during the year. As deserving special notice may be mentioned a large number of mineral specimens received, through the Tasmanian Commissioners for the Melbourne Exhibition, from the Sandhurst School of Mines; a collection of named casts of fossils, &c. presented by Professor Ward, of Rochester, United States; a collection of bird skins from Singapore, the gift of His Excellency Sir F. A. Weld, K.C.M.G.; a collection of British birds' eggs, from Mr. W. R. Stephens; 2 carved masks, worn by the natives of New Ireland in their dances, from the Rev. George Brown; a specimen of that peculiar fish, the *Ceratodus Forsteri*, from the Burnett River, Queensland, from Mr. R. B. Sheridan, &c. The task of re-naming and cataloguing the collection of birds, comprising several hundred specimens, has been undertaken by Mr. E. D. Swan, who has made considerable progress with the work. The mounted specimens, also, are being thoroughly cleaned and re-arranged under Mr. Swan's supervision; and the best thanks of the Society are due to that gentleman for his unremitting attention to this important matter. A few

specimens have been added to the conchological collection. Mr. Legrand has, as usual, attended to this part of the Museum, and has rendered assistance in various other ways during the year. The very limited amount of assistance available for Museum purposes renders it impossible to make much progress with the collection,—the services of a skilled Taxidermist and Articulator, for whom ample employment could be found, being greatly needed. Additional table cases are required for minerals and fossils; also book cases, or shelving, for the Library. The attendance of visitors to the Museum keeps up well, as will be seen by the following figures; viz.—On weekdays, 9685; on Sundays, 5884,—making a total for the year of 15,569. It is only between the hours of half-past 2 and 5 in the afternoon of Sunday that the Museum is opened; and this arrangement, as will be seen by the number availing themselves of the opportunity, may be pronounced to be no longer an experiment, and to be fully justified by the quiet and orderly demeanour of the visitors.

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**STATEMENT of the Funds of the ROYAL SOCIETY OF TASMANIA for the Year 1881.**

	£	s.	d.	£	s.	d.
<b>Receipts.</b>						
Annual Subscriptions from 79 Members	118	10	0			
Ditto, arrears from former years	47	10	0			
Special donation from His Excellency Sir J. H. Leifroy	5	0	0			
From Marine Board for clerical assistance in completing the Light-house Meteorological Tables	20	0	0			
<i>Total Royal Society</i>	191	0	0			
<b>Museum.</b>						
Grant in aid from Treasury	...		200	0	0	
<b>Botanic Gardens.</b>						
Grant in aid from Treasury	600	0	0			
Proceeds of sale of Plants, Fruit, Flowers, &c.	70	4	10	670	4	10
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				103	19	3
<b>Expenditure.</b>						
Jan. 13—Balance overdrawn at Commercial Bank, as per statement for 1880	..			63	6	7
June 30—Interest on overdrawn account	..			1	4	4
<b>Royal Society.</b>						
Meteorological Instruments	2	4	9			
Printing and Advertising	26	13	6			
Postage, Parcels, &c.	3	4	9			
Collector's Commission	4	1	6			
Messenger	0	5	0			
Sundries	1	5	6			
Clerical assistance for Meteorological Tables	20	0	0			
Library Books, Stationery, Binding, &c.	46	4	3			
<i>Total Royal Society</i>	..			103	19	3
<b>Museum.</b>						
Salary of Curator	125	0	0			
Wages of Attendant	52	0	0			
Ditto, for Sunday duty	13	0	0			
Insurance	4	15	8			
Purchase & preparation of Specimens, &c.	9	13	0			
Water Rate	5	13	4			
Sweeping Chimneys	0	10	6			
Fuel and Light	3	16	0			
Sundries and Petty Cash	2	7	2			
Ironmongery, Brushware, &c.	4	19	5			
Freight and carriage of Specimens	1	15	6			
Fittings, Repairs, &c.	8	17	0			

Gardens.

Salary of Superintendent .....	200	0	0
Wages of Labourers .....	304	6	8
Tools and repair of ditto .....	8	3	0
Freight and carriage of Plants .....	11	4	3
Stationery and Stamps .....	3	19	2
Forage .....	7	3	2
Horse Hire .....	5	12	0
Ironmongery, Brushware, &c. ....	30	11	4
Timber, and repair of Buildings .....	11	19	0
Seeds, &c. ....	8	18	3
Sundries .....	30	0	9
Water Rate .....	2	7	6
Flower Pots .....	15	10	0
Fuel .....	2	4	0
Ploughing .....	3	7	6
			<hr/>
<i>Total Gardens</i> .....	645	6	7

1892.	..	645	6	7
Jan. 13—Balance to credit in Com-	..	15	0	6
mercial Bank .....	..	<hr/>	<hr/>	<hr/>
		£1061	4	10

NOTE.

<i>Dr.</i>			
To outstanding accounts, Printing, Bind-	..	20	0
ing, &c., estimated at .....			
<i>Cr.</i>			
By cash in hands of Mr. Abbott for weekly			
payment of Wages at Gardens .....	30	12	0
Balance at Bank .....	15	0	6
			<hr/>
		45	12
			6
			<hr/>
Balance to Credit .....	..	£25	12
			6

Audited and found correct.

FRANCIS BUTLER.  
JOHN MACFARLANE.

26th January, 1892.

*STATEMENT of the MORTON ALLPORT Memorial Fund, 1881.*

	Dr.	£ s. d.	Cr.	£ s. d.
1881.			1881.	
Jan. 1. To balance as per Statement for 1880...		11 0 0	Feb. 1. By Pass Book.....	0 0 6
Feb. 28. Interest .....		0 3 3	Dec. 31. Balance to credit of Fund .....	21 10 9
May 9. Interest .....		0 0 10		
May 9. Cash from A. G. Webster, Esq. ....		10 0 0		
Aug. 31. Interest .....		0 7 2		
		£21 11 3		£21 11 3
		£21 11 3		£21 11 3

Examined and found correct.

FRANCIS BUTLER.  
JOHN MACFARLANE.

26th January, 1882.

*BOOKS and Periodicals purchased and presented during  
1881.*

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[Presentations marked thus \*.]

Agricultural Gazette, The, current numbers.

\* Anthropology, Index to Papers on. From Anthropological Society, London.

Arts, Journal of Society of, current numbers.

Athenæum, The, ditto.

\* Adelaide University Calendar, 1881.

\* Astronomy.—“The Gem Cluster in Argo.” “On a new method of printing Star Maps.” “On the Longitude of Sydney Observatory.” “On some new Double Stars and Binaries.” “Recent changes on the surface of Jupiter.” “Astronomical Results for 1877-8, Sydney. By H. C. Russell, Esq., B.A., Sydney.” From the Author.

\* Academy, American, of Arts and Sciences, Proceedings of, 1877 to 1880. From the Academy.

\* ———, Connecticut, of Arts and Sciences, Transactions, vol. 3, part 2, vol. 4, part 1. From the Academy.

\* Association, American, for advancement of Science, Proceedings, vols. 26 and 27, 1877-8. From the Association.

\* ———, Historical and Archæological of Ireland, Journal of, vol. 5, Nos. 39 to 41. From Dr. Agnew.

\* Botanical Enterprise of the Empire, The. By F. Thiselton Dyer, M.A., B.Sci., F.Z.S., F.R.S. From the Author.

\* ——— Gardens, St. Petersburg. Report, tome 7. From the Director.

\* Catalogue of New Zealand Court, Melbourne Exhibition, 1880. From the Commissioners.

\* ——— Bibliotheca Schimperiana, 1881. From the Author.

Catalogues, British Museum. Coleopter, part 1, 1879. Lepidoptera, parts 3, 4, 5. Birds, part 5.

——— of Library of Royal Colonial Institute, London, 1881.

\* Comet 1, on Orbit elements of, by J. Tebbutt, F.R.A.S. From the Author.

\* Coast Survey, United States, Report of, 1877. From United States Government.

\* Entomologisk tidskrift, Band 1, 1880; Heft 1 and 2, 1880. By Jacob Spanberg. From the Author.

\* Expedition, Norwegian North Polar, 1878, Chemistry of, by B. H. Tornøe; Zoology of, by Robert Collet. From Government of Norway.

\* Essex Institute, Salem, U.S. America; Bulletin of, vols. 10, 11; Historical Collections, vols. 14, 15, 16. From the Institute.

\* Engineers and Shipbuilders in Scotland, Institution of, Transactions of, vol. 23, 1879-80. From the Institution.

Florist and Pomologist, The, current numbers.

Fishes, the Study of, by Dr. Günther.

\* Flora of British India, by Sir J. D. Hooker, part 8. From the India Office.

\* Fern World, The, by F. M. Bailey, F.L.S. From the Author.

Gardener's Chronicle, The, current numbers.

Geological Magazine, The, ditto.

\* Geological and Geographical Survey of the Territories, United States, publications of, vols. 2, 3, 4, 5, 6, bound 4to. Bulletin, vol. 4, Nos. 2, 3, 4; vol. 5, No. 1; vol. 6, No. 1. Survey of Colorado, 1876, Idaho, 1877. Report of Entomological Commission, 1877. Bibliography of North American Invertebrate Palæontology. Catalogue of Publications. Report, vol. 12. From the United States Government, per F. V. Hayden, U.S. Geologist.

\* Geology of Wisconsin, 1 vol. and Maps. From T. C. Chamberlin, Chief Geologist.

\* Geological Survey of India, Memoirs of, vol. 15, part 2; vol. 17, parts 1 and 2. Palæontologia Indica, Series 14, vol. 1, part 1. Series 13, parts 1 and 2; Series 10, vol. 1, parts 4 and 5. Records of Survey, vol. 12, part 4, 1879; vol. 13, parts 1 and 2, 1880.

\* Geology and Mineralogy, vols. 1 and 2 (Bridgewater Treatise), by the Rev. William Buckland, D.D., 1837. From H. J. Buckland, Esq.

\* Geologische Montanistisch Historische Monographie, by Dr. E. Rayer, Berlin. From the Author.

\* Geologique, Internationale Congres de, Report, 1881. From T. Stephens, Esq.

\* Institute, New Zealand, Proceedings of, vol. 13, 1880. From Dr. Hector, C.M.G., F.R.S.

\* ———, Essex, Salem, Mass., U.S.A., Bulletin, vols. 10, 11. Historical Collections, vols. 14, 15, 16. From the Institute.

\* ———, Canadian, Proceedings, vol. 1, part 1. From the Institute.

\* ———, Royal Colonial, Proceedings, vol. 11, 1879-80. From the Institute.

\* Imports and Exports, Special, by J. K. Cross, M.P. From the Cobden Club.

\* Lincei, R. Accademia dei, Transunti, vol. 5., fasc. 1-14, 1881.

\* Longitude of Sydney Observatory, 1880, by J. Tebbutt, F.R.A.S.

Magazine, Country Gentleman's, The, current numbers.

\* Meteorology, Rate of Barometer changes in British Isles, 1880, by G. M. Whipple. From Meteorological Office, London.

\* Meteorology, Report of Kew Committee, 1880. From Meteorological Office, London.

\* ———, Report of International Committee Meeting at Berne, 1880. From Meteorological Office, London.

\* ———, Report on New Zealand, 1880. From Dr. Hector, C.M.G., F.R.S.

\* ———, Note on a Scale for correcting Barometer readings, by H. C. Russell, B.A.



- \* Meteorology, Results of Observations in New South Wales in 1876-7-8-9. Results of Rain and River Observations in N.S. Wales, 1880. Thunder and Hail Storms in N. S. Wales, 1880, by H. C. Russell, B.A. From the Author.
- \* ———, Indian, for 1880, and January 7, February and March, 1881. Memoirs of ditto, vol. 1, part 5, 1881. From the Government of India.
- \* ———, Washington Weather Reports, daily, November and December, 1874, January, 1875, January to May, 1877. Report for 1879. Weather Review, May, 1881. From Government of America.
- \* Meteorological and Magnetical Observations, Bombay, 1871 to 1878.
- \* ——— Observations, Calcutta, July, 1880. From Government of India.
- \* ——— and Magnetic Observations in North America, by Sir J. H. Lefroy. From the Author.
- \* Mollusca, Recent, found at Port Jackson, by J. Brazier, C.M.Z.S., &c. From the Author.
- \* ———, Iles Australiennes, Localités des, des Iles Salomon, et d'autres Iles de la Mer Sud. From the same.
- \* Mining in California, Report on, by G. Thureau, F.G.S. From the Author.
- \* Museum, United States National, Catalogue of, 1879. Nature, current numbers.
- \* Naturhistorischen vereins, Verhandlungen des, 1879-80.
- \* Naturwissenschaftlichen vereins, Verhandlungen des, 1880.
- \* Newspaper, File of a Ms., the first published at Waratah, Mount Bischoff. From His Excellency Sir J. H. Lefroy.
- \* Observatory, United States Naval, Washington—Observations, 1869 to 1871. Appendix 1870, 1872, 1874, 1876. Tables of Transit Observations, 1872. Catalogue of Stars. Researches on Motion of the Moon. The "Lick," Report of Observations on Mount Hamilton, 1880.
- \* Plants, The, of North-western Australia, by Baron F. Von Müller, K.C.M.G., M.D., F.R.S.
- \* Report of Colonial Museum, Wellington, New Zealand, 1880. From Dr. Hector.
- \* ——— Launceston Mechanics' Institute, 1880.
- \* ——— Mining Surveyors, Victoria.
- \* ——— Auckland Institute Museum.
- \* ——— Director of Botanic Gardens, Adelaide.
- \* Reliquiæ Diluvianæ (Organic Remains), by the Rev. W. Buckland, D.D., 1823. From H. J. Buckland, Esq.
- \* Rainfall, British, 1879, by G. J. Symons. From Sir J. H. Lefroy, K.C.M.G.
- \* Reciprocity Craze, The, by G.W. Medley. From the Cobden Club.
- \* ———, The French Treaty and, by Joseph Chamberlain, M.P. From the Cobden Club.
- \* Science Record, The Southern, current numbers. From the Publisher, Melbourne.

- \* Statistics of Victoria, 1879.
- \* ——— New Zealand, 1879.
- \* ——— Tasmania, 1880.
- \* Society, Asiatic, of Japan, Transactions of, vol. 8, parts 3 and 4 ; vol. 9, parts 1 and 2. From the Society.
- \* ———, Royal, Journal of, vol. 11, part 3 ; vol. 12, parts 1, 2, 3 ; vol. 13, part 1. From the Society.
- \* ———, Royal Microscopical, Journal of, vol. 3, parts 6 and 6A ; Series 2, vol. 1, parts 1 to 5 inclusive. From the Society.
- Astronomical, Monthly Notices, vol. 41, Nos. 1 to 9, 1881. Memoirs, vol. 41, 1879 ; vol. 45, 1880. From the Society.
- \* ——— of Victoria, Transactions, vol. 17, 1880. From Society.
- \* ——— of South Australia, Proceedings, vol. 3, 1879-80. From Society.
- \* ——— London, Proceedings, vols. 31, 32, parts 206 to 213 inclusive. From the Society.
- \* ———, Meteorological, Quarterly Journal of, current parts. From Society.
- \* ———, Linnean, of New South Wales, Proceedings of, vol. 5, parts 3, 4 ; vol. 6, parts 1 & 2. From Society.
- \* ———, Acclimatisation of Canterbury, New Zealand, Report, 1880.
- \* ———, Malacological of Belgium, Annals of, 1881. Proces verbaux, tome 8, 9, 1879-80.
- \* ——— Royal of New South Wales, Proceedings, vol 4, 1880.
- \* ——— Historical, Transactions, vol. 9, 1881. From Society.
- \* ——— Geographical, Proceedings, parts 2 to 12, 1880 ; 1 to 3, 1881. Journal of, vol. 49, 1879.
- \* ———, Geological of London, Quarterly Journal of, vol. 26, Nos. 141 to 144 ; vol. 27, No. 145. List of Fellows, 1880. From the Society.
- \* ———, Zoological, London, Proceedings of, part 4, 1879 ; parts 1, 2, 3, 1880, &c. From Society.
- \* ———, Linnean, Journal of, vol. 17, Nos. 103 to 105 ; vol. 18, Nos. 106 to 110 (Botany) ; vol. 15, Nos. 81 to 84 (Zoology).
- \* ———, Statistical, Journal of, vol. 43, No. 4. From Society.
- \* ———, Malacological of Belgium, Annals, vols. 9 to 11, 1874-1876. From the Society.
- \* ———, Leeds Literary and Philosophical, Report of, 1880-1.
- \* Skies, The Southern, a Lecture delivered by His Excellency Sir John Henry Lefroy, K.C.M.G. From the Author.
- \* Tree culture in South Australia, Treatise on, by J. E. Brown, F.L.S. From the Author.
- \* Ditto, Duplicate copy, presented by the Trustees of the Public Library, Hobart.
- \* Trigonometrical Survey of India, Account of, vols. 2 to 5, 1879-81. From the Secretary of State for India.
- \* Uranus and Jupiter, Note on Opposition of, 1880, by John Trebbutt, F.R.A.S. From the Author.

- \* Zoology, Museum of Comparative, Harvard College, Cambridge, U.S.A., Bulletin of, vol. 4; vol. 5, Nos. 2 to 10; vol. 6, Nos. 8 to 11. Memoirs of, vol. 5, part 2; vol. 6, No. 1, parts 1 and 2; vol. 7, No. 2, part 1. From the Museum.
- \* ——— of Norwegian North Atlantic Expedition, part 3, 1881. From Norwegian Government.

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*LIST of Donors to the Museum during 1881.*

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[For particulars of Donations see Lists in Monthly Proceedings.]

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|--|--|
| Aikenhead, W., Esq.                                | Lamb, H., Esq., M.H.A.                     |
| Boon, Captain.                                     | Lodder, Mrs.                               |
| Brown, Rev. George.                                | Lewald, D., Mr.                            |
| Barnard, J., Esq.                                  | Moore, J., Mr.                             |
| Burgess, W. H., Esq., M.H.A.                       | Murray, Mrs. W.                            |
| Brown, Justin M'C., Esq.                           | Macfarlane, Dr.                            |
| Bromfield, T. H., Esq.                             | Murray, W., Esq.                           |
| Chick, Mr. R.                                      | M'Donald, J., Mr.                          |
| Conrad, Mr.  | Nairn, C. C., Esq.                         |
| Carson, Mr.  | Pulleine, Master                           |
| Dyer, Mr. R. B.                                    | Rayner, Mr.                                |
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| Doodie, Mr.  | Stephens, W. R., Esq.                      |
| Exton, Mr.   | Swan, E. D., Esq.                          |
| Exhibition (Melbourne) Commissioners for Tasmania. | Simpson, J., Esq.                          |
| Finlayson, Mr.                                     | Stewart, Master.                           |
| Fitzgerald, Mr. O.                                 | Sheridan, R. B., Esq.                      |
| Glover, C. H.                                      | Stephens, T., Esq., M.A.                   |
| Gellibrand, Hon. W. A. B.                          | Tarleton, W., Esq.                         |
| Gifford, Mrs.                                      | Terry, Mr.                                 |
| Gawne, E. B., Esq.                                 | Taylor, A. J., Mr.                         |
| Henry, R., Esq.                                    | Wright, Mr.                                |
| Ives, Mr., barque <i>Ethel</i> .                   | Weld, His Excellency Sir F.A. (Singapore.) |
| Johnston, R. M., Esq.                              | Wintle, S. H., Esq.                        |
| Johnston, J. W., Mr.                               | Wilkins, Mr. A.                            |
| Jackson, A., Mr.                                   | Ward, Prof. H.A. (Rochester, New York).    |
| Lefroy, His Excellency Sir John H., K.C.M.G., C.B. | Watchorn, Master B.                        |
| Lipscombe, E., Mr.                                 | Weston, Maurice, Esq.                      |
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## EXCHANGES OF PLANTS AND SEEDS DURING THE YEAR 1881.

From Messrs. J. Vietch & Co., London—1 case Pelargoniums.

From Dr. J. H. King, Superintendent Botanic Gardens, Howrah, Calcutta—20 packets seeds.

From Director of the Royal Gardens, Kew, near London—Seeds of new variety Cedar, cuttings Willows.

From Baron Ferd. Von Müeller, Government Botanist, Melbourne—Numerous sendings of seeds, bulbs, &c.

From Chamber Agriculture, Washington, United States—Numerous packets seeds.

From Mr. J. Latham, Liverpool-street, Hobart—Imported seeds and bulbs.

From Mr. C. F. Creswell, Melbourne—Seeds and bulbs.

From Mr. J. Sangwell, Melbourne—Case containing 48 ferns.

From Mr. Wm. Bull, King's Road, London—30 packets seeds.

From Mr. J. F. Duthie, Superintendent Botanic Gardens, Saharunpur, North West Province, India—7 packets seeds.

From Mr. J. Smith, Nurseryman, Riddel's Creek, Victoria—45 fruit trees.

From Horticultural Society's Gardens, Melbourne, Victoria—Collection new fruit scions.

From Rev. R. H. Codrington, Norfolk Island—Seeds N.I. pine.

From Mr. J. B. Mather—Plant *Anthocercis Tasmanicum*.

From Mr. W. R. Guilfoyle, Director Botanic Gardens, Melbourne—Numerous plants and seeds.

From Mr. G. Brunning, Nurseryman, near Melbourne—40 rose plants.

From Miss Solly, Hobart—5 packets seeds.

From Messrs. Shepherd & Co., Nurserymen, Sydney—case plants.

From Captain Fisher, Hobart—12 New Zealand ferns.

From Monsieur J. Verschaffelt, Ghent, Belgium—Case *Rhododendrons*.

From Mr. S. Purchase, Nurseryman, Sydney—Case Norfolk Island pines.

From Messrs. Hugh Low, Nurserymen, London—case plants.

From Dr. R. Schomburgk, Director Botanic Gardens, Adelaide—case plants.

From Monsieur J. Linden, Ghent, Belgium—Case *camellia* and *azalea*.

To Hugh Low & Co., London—Plants *araucaria* and tree ferns.

To Monsieur J. Verschaffelt, Ghent, Belgium—6 tree ferns.

To Dr. Schomburgk, Botanical Gardens, Adelaide—Seeds and sphagnum moss.

To the Botanical Gardens, Melbourne—Seeds, plants, and moss.

To the Royal Gardens, Kew, London—Seeds *eucalypti*.

To Messrs. Vilmorin, Andrieux, Paris—Seeds.

To Baron Ferd. Von. Müeller—Seeds, various.

To Messrs. Veitch & Sons, London—6 tree ferns.

To the Botanic Gardens, Sydney—Sphagnum moss.

- To Monsieur J. Bourdil, Paris—Seeds, hardy eucalypti.  
 To Sir A. Stepney, South Wales—Seeds, hardy eucalypti.  
 To Mr. J. Smith, Melbourne—Seeds, plants, and sphagnum  
 moss.  
 To Mr. G. Brunning, Melbourne—Plants, seeds, and moss.  
 To Messrs. Shepherd & Co., Sydney—Plants and seeds.  
 To Mr. C. F. Creswell, Melbourne—Plants and seeds.  
 To the Horticultural Society, Melbourne—Plants and bulbs.  
 To the Commander H.I.J.M.S. Riujio—75 packets seeds.  
 To Mr. S. Purchase, Sydney—Bulbs and seeds.  
 To Mr. J. Sangwell, Melbourne—Plants and seeds.  
 To Messrs. Ch. Huber Cie., Paris—Seeds, eucalypti.  
 To Mr. E. B. Heyne, Adelaide—Seeds and bulbs.

F. ABBOTT, *Superintendent.*

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PLANTS INTRODUCED INTO THE ROYAL SOCIETY'S  
 GARDENS DURING 1881.

Acacia concinna	Aster oblongifolia
Actinomeris squarrosa	„ puniceus
Adiantum amabile	„ viminea
„ Ghiesbrachtii	Berberis Fremonti
„ Henslowianum	Blechnum Braziliense
„ nobile	„ lævigatum
„ scutum	Bracteolaria racemosa
„ tinctum	Brunsvigia Guilfoylei
„ villosum	Calodendron capense
„ Williamsi	Cheilanthes tomentosa
Albizia Saman	Chrysopus mariana
Aleurites Mexicana	Cimicifuga racemosa
Allomanda violacea	Clematis coccinea
Amaryllis blanda	Cornus capitata
Ampelopsis indivisa	„ florida
Amphicarpum Purshii	„ sericea
Anenome cylindrica	Cotoneaster affinis
Ansonia tabernemontana	Crinum uniflorum
Aphelandra fascinata	„ mauritanicum
Aralia edulis	Cyathea Boylei
Araucaria elegans	„ princeps
Asclepias cornuti	Dahlia Maximillana
Ascyrium, stans	Davallia canariense
Aspidium Sieboldii	Desmodium acanthifolium
Asplenium Sieboldii	Dioscorea villosa
Asplenium Goringianum	Dipladenia Boliviensis
„ diversicolor	Diplazium Shepherdii
„ Yeylanicum	Doris scandens

- Doryopteris nobilis  
 Eranthemum roseum  
 Eriocaulon decangulare  
 Eryngium Yuccæfolia  
 Erythrina caffra  
 Eucalyptus acmenioides  
   " botryoides  
   " cineria  
   " diversicolor  
   " dumosa  
   " eugenoides  
   " hæmastoma  
   " incrassata  
   " leucoxyton (white)  
   " leucoxyton (red)  
   " marginata  
   " occidentalis  
   " patens  
   " plattypus  
   " rudis  
 Eugenia eucalyptoides  
 Ficus macrophylla alba  
 Flamingia semialata  
 Goldfussia calyptrata  
 Goniopteris pennigera  
 Gymnogramma Pearcei  
 Hebenaria tridentata  
 Hedera arborea aurea  
 Hodginsonia ovalifolia  
 Hovenia dulcis  
 Hypolepis Dicksonioides  
   " millifolium  
 Ilex, Golden Queen  
   " Madariensis  
   " Shepherdi  
 Iris versicolor  
 Ixia grandiflora  
   " secunda patens  
 Jacaranda alba  
 Juniperus japonica aurea  
 Lastrea felix-mas recurva  
 Lepachis pinnata  
 Lespedeza violacea  
 Leucadendron glabrum  
 Lixtris pycnostachya  
   " scariosa  
 Ligustrum tricolor  
 Littonia modesta  
 Lomaria diversicolor bipinna-  
   tiseeta  
 Lomaria Fraseri  
   " Gibbosa  
 Lycopodium glabellatum  
 Melaleuca armillaris  
   " laterita  
 Mikania Guaco  
 Myrica Californica  
   " rubra  
 Myrsine bifaria  
   " chatamica  
 Nephelium leucocarpum  
 Nephrodiuim glabellum  
   " melanocaulon  
   " molly corymbiferum  
   " palmatum  
 Nephrolepis davallioides  
 Nerium alba pleno  
 Nothochlæna crysophila  
   " nivea  
 Osmorrhiza trivistylis  
 Pentstemom digitale  
 Petalostemon candidum  
 Phaseolus helvelus  
 Picea nobilis  
 Pilea grandis  
 Platyloina atropurpurea  
 Polypodium pennigerum  
   " vacillans  
 Pothos aurea  
 Pteris geraniifolia  
   " hastata  
   " longifolia  
   " longifolia cristata  
   " mucilenta  
   " scaberula  
   " semi-pinnata  
   " serrulata Applebyana  
 Quercus elegantissima  
   " new variegated evergreen  
 Randia Chartana  
 Rhamnus lanceolatus  
 Rhodoleia Championi  
 Rosa blanda  
   " gymnocarpa  
 Selaginella sitrosa  
 Senecio pulchra  
 Sideroxyton argenteum  
 Silphium perfoliatum  
 Solidago canadensis  
   " nemoralis  
   " serotina  
 Sterculea Bidwilli  
   " quadrifida  
 Sterocarya stenoptera  
 Strophanthus capensis  
 Tetranthera ferruginea

Torenia Bailloni  
 „ Tourneri  
 Tristrania laurina  
 „ nerifolia  
 Tupidanthus calyptratus  
 Ulmus amplexicaulis  
 Vernonia fasciculata

Vernonia nova-borensis  
 Viburnum cotinifolius  
 „ oxycoccus  
 Wistaria Bidwilli  
 „ Megasperma  
 Woodwardia orientalis  
 „ radicans

*Camellia.*

Alessandro Rossi  
 Alfredo Capellini  
 Angelo Cocchi  
 Archduchesse Marie  
 Auguste Delfosse  
 Carlotta Petroso  
 Chats  
 Clodia  
 Corrodino  
 Contessa Tozzoni  
 „ Ramphi  
 Don Carlos Ferdinando  
 Don Pedro the Fifth  
 Elvini Delli  
 Elvira Bianchini  
 Giardino Giaberti  
 „ Santarelli

Il Cygne  
 Italia unita  
 Jardin d'Hiver  
 Jubile  
 Madame Ambroise Verschaffelt  
 „ Cachet  
 „ Rudolph Abel  
 Marie Morren  
 Ornatissima  
 Planipetala  
 Poldina Vanturi  
 Prima Donna  
 Principessa Clothilde  
 Solfaterre  
 Souvenir d'Emile Defresne  
 Venus de Medicis

*Azalea.*

Ami Gustave Guilmot  
 Charmer  
 Chloris nova  
 Comte Charles de Kerchove de  
 Denterghem  
 Comte de Flander  
 Dr. Moore  
 Duc Adolph de Nassau  
 Eugene Mezel  
 Frau Johanna Winkler  
 Furstin Bariatinski  
 Iveryana  
 John Gould Veitch

James Veitch  
 Koniger Cleopatra  
 La Gloire  
 Madame de Ghellinck  
 „ Mendel  
 „ Van der Cruyssen  
 „ Van Eeckhaute  
 Mammoth  
 Raphael  
 Reine des Pays Bas  
 Roi de Holland  
 Souvenir de Prince Albert

*Rose.*

Abel Grand  
 Baron Chauraud  
 „ Noirmont  
 Climbing Charles Lefebvre  
 „ Jules Margottin  
 Comte Raimbaud  
 Countesse Rosebery  
 John Bright  
 Lord Clyde  
 Madam C. Kuster

Madam Morren  
 Marquis Mortmart  
 Maurice Bernardin  
 Pet  
 Red Dragon  
 Richard Laxton  
 Souvenir de Spa  
 „ de Monsieur Boll  
 T. C. Cole

*Caladium.*

Agrippana  
 Alfred Blue  
 Duchardi  
 Duc de Cleveland  
 Harold

Herbyanum  
 Mayerbeer  
 Proserpine  
 Uranus

*Pelargonium.*

Corsair  
 Diadem  
 Faust  
 Fortitude  
 Jeanette

Madame Thibaut  
 Maid of Kent  
 Marie Lemoine  
 Mermeris

*Apple.*

Baxter Pearmain  
 Bromley Seedling  
 Cogswell  
 Early Almond  
 Foxley  
 Green New Town Pippin  
 Grey Leadington  
 Lady Hanniker  
 Minier's Dumpling  
 New French Hawthornden

Peasgood's Nonsuch  
 Pennock  
 Peter the Great  
 Prince Bismark  
 Reinette Jaune Musque  
 Stamford Pippin  
 Striped Beaufin  
 Twenty-ounce  
 Winesops  
 Wyken Pippin

*Pear.*

Brockwith Park  
 Claps' Favourite  
 Enfant Prodique  
 Hyshe's Prince Consort

Madame Millet  
 " Treyne  
 Suffolk Thorn

*Plums.*

Brahey's Green Gage  
 Denbeigh  
 Dove Bank  
 Fellemborg

Guthrie's Late Green  
 Leigel's Apricot  
 Prince Engelbert  
 Washington

*Cherry.*

Ashton  
 Belle de Choisy  
 Biggerreau de Holland

Early Lyons  
 Early Purple Guigne  
 St. Margaret

*Gooseberries.*

Antagonist  
 Chesshire Lass  
 Clayton  
 Companion  
 Green Overall  
 Lady Leicester  
 Levellér

Ploughboy  
 Queen of Trumps  
 Shiner  
 Slaughterman  
 Snowball  
 Speedwell

F. ABBOTT, *Superintendent.*