

1880-81.

NEW SOUTH WALES.

AUSTRALIAN MUSEUM.

(REPORT OF TRUSTEES, FOR 1880.)

Presented to Parliament, pursuant to Act 17 Vic. No. 2, sec. 9.

TO HIS EXCELLENCY THE GOVERNOR AND EXECUTIVE COUNCIL.

The Trustees of the Australian Museum, incorporated by the Act 17 Victoria No. 2, have the honor to submit to your Excellency in Council, in accordance with the 9th section of that Act, this their twenty-seventh Annual Report.

1. The Museum has been open continuously to the public, except on Mondays, throughout the year, from 10 to 5 in winter and 10 till 6 in summer, except on Sundays, when the hours are from 2 till 5. The total number of persons who have visited it is 112,463, being an increase of 7,869 on the number for 1879. The number of persons who have attended on Sundays is 32,697, or an average of 629 visitors for each afternoon. The conduct of visitors has been decorous and orderly. The closing of the Museum on Mondays has been rendered necessary (for cleansing purposes) by its continuous opening on the previous six days.

2. Many new and valuable specimens have been obtained during the past year, by purchase, exchange, and collection. In addition to donations and collections from various parts of New South Wales, a dredging excursion under the charge of Mr. W. Haswell, M.A., B.Sc., was undertaken by the Trustees out of a special fund voted by Parliament, along the northern coast of New South Wales and at sea, when important scientific results were obtained. A steamer was specially chartered, and dredging operations took place at Port Stephens, Broughton Islands, and at sea, in a depth of water varying from 5 to 35 fathoms. Many living forms of sponges and polyzoa were obtained; also crustacea, corals, edriophthalmata, &c. A full report of the expedition will be published when the specimens obtained shall have been examined and determined. The most important outcome will probably lie in the determination of the northern range of Port Jackson fauna.

3. A collector has been employed recently in obtaining fossil bones on the Darling Downs, Queensland. The Assistant Taxidermist has been collecting fishes of Victorian waters, and more recently seals at the Seal Rocks. The Articulator was employed in Melbourne during the last month of 1880 taking casts of sundry rare and valuable specimens at the International Exhibition.

4. Advantage has been taken of the Exhibitions held in Sydney and Melbourne to effect exchanges and enter into correspondence with foreign Museums. From the Wellington (N.Z.) Museum, through the kindness of Dr. Hector, C.M.G., F.R.S., the Trustees have been enabled to obtain casts of many valuable ethnological specimens, models, &c. The number of specimens sent away in exchange in the past year exceeds that of 1879 by 642. The number received by purchase, in exchange and as donations is also largely in excess of those received during any previous year.

5. In compliance with a request from the New South Wales Commissioners at the Melbourne International Exhibition, the Trustees prepared collections of birds of New South Wales and food fishes of Port Jackson. These collections were arranged in Melbourne under the supervision of the Curator, and the Trustees have expressed their appreciation of the great interest he has taken in this exhibit, which occupies a prominent place in the New South Wales Court. The collection of food fishes is believed to be the largest known from this Colony.

6. The valuable and interesting collection of Minerals purchased in Europe, through the liberality of Parliament, by Professor Liversidge, has been opened to the public during the year, and is a source of great attraction to visitors. A large number of books (a list of which appears in Appendix II), purchased with funds voted by Parliament for this purpose, has also been received. The Museum Library, however, being still without many works of reference necessary for a Scientific Institution, the Trustees have asked the Government to place a sum of £500 on the Estimates for 1881, for the purpose of purchasing such as are most urgently required.

7. A large collection of fossils purchased with funds provided by Parliament is now on the way from Germany and daily expected. The Trustees regret that there may be great difficulty in exhibiting these to the public, owing to the present great scarcity of show cases; a want, however, which it is hoped will ere long be supplied, as they have asked the Government to place the sum of £1,000 on the Estimates for 1881 to provide such cases as may be most urgently required.

8. Sundry repairs to the building, which have been recently made, have proved of great advantage to the Institution generally and to its officers.

9. With a view to completing the scientific catalogue of the specimens in the Museum, the Trustees have engaged the services of Mr. John Brazier, C.M.Z.S., who is now employed on the valuable collection of shells presented by Thomas Walker, Esq., of Concord; and it is hoped that the services of Mr. Haswell may be secured for the purpose of making a catalogue of the collection of invertebrates.

10. The work of the Institution having (partly owing to the International Exhibition held here) increased very largely in the direction of correspondence and exchanges with foreign Museums, the Trustees were compelled to solicit extra pecuniary assistance from the Government during the past year, to defray the cost of additional labour and working materials. In compliance with this request, the sum of £250 was granted, in addition to the other amounts voted for specific purposes by Parliament, and it is hoped that this extra sum for the objects mentioned may in future be annually granted.

11. Considerable inconvenience has been experienced by the want of proper office accommodation for the Curator, Secretary, and other officers; which, though previously sufficient, has become inadequate to their requirements in consequence of the large increase in the work done. With the object of overcoming this inconvenience, the Trustees hope that the Government will kindly provide for the Curator a house beyond the walls of the Institution. This would also relieve the Museum from the risk of destruction to which it is exposed by the proximity of fires to inflammable materials. If this change were effected a night-watchman would be required, and the rent of a house for the Curator until one is built. To carry out these two suggestions it is hoped that a sum of £350 will be placed on the Supplementary Estimates for 1881.

12. The office of Crown Trustee of the Museum having become vacant by the death of the late Sir Edward Deas-Thomson, C.B., K.C.M.G. (whose services to the Museum and marked interest in the subject of Natural History generally the Trustees desire here warmly to acknowledge), the Government, on the fifth day of February, 1880, appointed to that post The Hon. Sir Alfred Stephen, C.B., K.C.M.G., who had been previously connected with and taken great interest in the Institution. Two vacancies, caused by the retirement of A. W. Scott, Esq., M.A., and W. J. Stephens, Esq., M.A., at the end of the year 1879, have been filled by the election of James Reading Fairfax, Esq., and Charles Moore, Esq., F.L.S.; and two vacancies during the past year, caused by the death of the late E. S. Hill, Esq., C.M.Z.S., and by the retirement of the Hon. Captain Onslow, R.N., M.L.C., have been filled by the election of C. Smith Wilkinson, Esq., F.G.S., and the Rev. J. E. Tenison-Woods, F.G.S. The Trustees desire to record their deep regret at the decease of Mr. Hill, who had been an elective Trustee ever since March, 1862, and had taken the greatest interest in and devoted much of his time to the affairs of the Museum.

13. The Trustees have thought it advisable to submit a separate Report, with Appendices, of the business of the Technological, Industrial, and Sanitary Museum; its character, although analogous to that of the older Institution, being in so large a degree distinct from it.

14. The By-laws and General Rules of the Institution have been carefully revised, and in several respects amended, and a copy of them will shortly be transmitted; the former for submission to His Excellency in Council for consideration and approval.

15. The contents of the Appendices are:—I. The annual balance-sheet; II. A list of books purchased for the Museum Library with funds voted by Parliament in 1879; III. A list of books acquired by donation; IV. Attendance of visitors; V. Attendance of the Trustees; VI. A list of donations; VII. A list of specimens acquired by exchange; VIII. A list of specimens sent away by exchange; IX. A list of specimens purchased with funds voted in 1880; X. A list of specimens collected; XI. Particulars of work done by the Taxidermist and Articulator.

The Common Seal of the Museum is affixed by order of the Board, this 15th day of March, 1881.

[L.S.]

ALFRED STEPHEN,
Chairman and Crown Trustee

CHARLES R. BUCKLAND,
Secretary.

APPENDIX I.

BALANCE SHEET of the Trustees of the Australian Museum, for the year ending 31st December, 1880.

RECEIPTS.		£ s. d.	PAYMENTS.		£ s. d.
The Hon. the Colonial Treasurer, as follows:—					
Curator's salary		541 13 4	Salaries and Wages—		
Assistant Taxidermist		150 0 0	Curator		500 0 0
Endowment for 1880, under Act of Incorporation		1,000 0 0	Assistant Taxidermist		150 0 0
Opening the Museum on Sunday		200 0 0	Secretary, Taxidermist, Articulator, 6 attendants, labour		1,000 11 0
Purchase of specimens		500 0 0	Sunday attendants		179 4 0
Collection		300 0 0	Purchase of specimens		392 13 10
Protection		250 0 0	Collection		300 3 10
Formation of catalogue		200 0 0	Protection		254 3 5
Purchase of books		100 0 0	Catalogue		123 4 4
maps		250 0 0	Purchase of books		45 12 5
building-stones		250 0 0	Bookbinding and catalogue	£60 18 0	
Supplementary Endowment		300 0 0	Furniture and uniforms	65 3 9	
Extra		250 0 0	Chemicals	74 12 0	
		4,291 13 4	Timber and ironmongery	69 17 7	
Formation of a Technological Museum		1,000 0 0	Stationery, printing, and advertising	55 10 7	
(Professor Liversidge)		474 2 10	Cartage, freight	37 15 10	
		5,765 16 2	Insurance of books and specimens	25 0 0	
Refund per Elkan & Co.	£2 7 3		Taxidermist's materials	34 14 8	
„ Lassetter & Co.	0 10 0		Fuel	15 9 0	
		2 17 3	Sundries	41 13 6	
Balance from 1879		56 5 4			480 14 11
			Technological Museum	1,000 0 0	3,426 7 9
			for Professor Liversidge, as per letter of 4th Dec., 1880, from Department of Public Instruction	474 2 10	
					1,474 2 10
					4,900 10 7
			Refunds to Colonial Treasurer—		
			Sunday attendance account	120 4 8	
			Collection of specimens account	26 9 1	
					146 13 9
			Balance on 31st December, 1880—		
			Bank of New South Wales	775 17 7	
			Cash	1 16 10	
					777 14 5
		£ 5,824 18 9			£ 5,824 18 9
Balance forward to 1881		777 14 5			

Compared with the books and found correct.—
ROBERT HUNT, 18/1/81.

APPENDIX II.

Books, &c., purchased for the Museum Library, 1880.

Annals of Natural History.
 Athenaeum.
 Ibis.
 Nature.
 Philosophical Magazine.
 Zoologischer Anzeiger.
 Catalogues of the Sydney International Exhibition.
 British Museum Catalogue.
 Journal des Muséum Godeffroy. 5 vols.
 Huxley's Monograph of Oceanic Hydrozoa.
 Philosophical Transactions of the Royal Society, 1853-78.
 Geological Magazine, 1864-73.
 Geological Record, 1874-76.
 Barrande's Dépôts Siluriens de Bohème et de Scandinavie.
 Geological Association Proceedings, 1859-78.
 Huxley and Etheridge's Catalogue of Collection of Fossils in the Museum of Practical Geology.
 Proceedings of the Royal Cornwall Polytechnic Society, 1833-75.
 Zoological Society's Transactions, vols. 5-10.
 British Association Reports, 1831-78.
 Pryce's Mineralogia Cornubiensis.
 Philosophical Magazine, vols. 9-14.
 Goldfuss's Petrefacta Germania.
 Des Longchamps Dictionnaire des Sciences Naturelles.
 Michelins Iconographie Zoophytologique.
 Chemnitz Conchylien Cabinet.
 De Konnink's Description des Animaux Fossiles du terrain carbonifere de Belgique.
 Hagenow's Bryozoen der Maastrichter Kreidebildung.
 Myst's Coquilles Fossiles de Belgique.
 D'Orbigny's Palaeontologie française.
 Annales des Sciences Naturelles.
 Lindley and Hutton's Fossil Flora of Great Britain.
 Testacea Utriusque Siciliae.
 De France, Tableaux des Corps organisés fossiles.
 McCulloch's Commercial Dictionary.
 Legge's Birds of Ceylon. Part III.

APPENDIX III.

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Books acquired by donation for the Museum Library, 1880.

- Presented by James Hector, Esq., M.D., C.M.G., F.R.S. :—
 Reports of Geological Explorations in New Zealand, 1878-79.
 Manual of the Indigenous Grasses of New Zealand.
 Transactions of the New Zealand Institute (complete).
 Catalogue of Stalk and Sessile-eyed Crustacea of New Zealand.
 Annual Reports on the Colonial Museum and Laboratory of New Zealand (complete).
 Manual of New Zealand Mollusca.
 Reports of Geological Explorations of New Zealand, 1873-79.
 Results of a Census of New Zealand taken on 3rd March, 1878.
 Statistics of the Colony of New Zealand for 1878.
 Handbooks of New Zealand.
- Presented by the Linnæan Society :—
 Proceedings of the Linnæan Society of New South Wales. Vol. V, Parts I & II.
- Presented by Harvard College, United States, America :—
 Annual Report of the Museum of Comparative Zoology.
- Presented by the Government Printer, New South Wales :—
 Australian Orchids. Parts V, VI.
 Report on Museums for Technology, Science, and Art; by Professor Liversidge, F.G.S.
 Report on the Lighting, Heating, and Ventilation of School Buildings; by Edward Combes, Esq., C.M.G., M.P.
 Report of the Fisheries Inquiry Commission, New South Wales, 1880.
 Statutes of New South Wales, 1879-80.
- Presented by H. C. Russell, Esq., B.A., F.R.A.S. :—
 Results of Rain and River Observations in New South Wales, during 1879.
- Presented by A. E. Foote, Esq., M.D., United States, America :—
 Catalogue of Minerals.
 Monthly Bulletin. Science and Practice.
 Naturalist's Agency, Part I, Minerals.
- Presented by the Royal Society of New South Wales :—
 Journal and Proceedings of the Royal Society, New South Wales, 1879.
- Presented by the Smithsonian Institute, United States, America :—
 Annual Report of the Board of Regents, 1877.
 Report of the Smithsonian Institution, 1877.
- Presented by the Department of Mines, New South Wales :—
 Annual Report for 1879, with maps.
- Presented by Dr. Franz Steindachner :—
 Notes on the Fish Fauna of South America. 2 vols.
- Presented by the Commissioners of the following Courts at the Melbourne International Exhibition :—
 Catalogues, viz. :—Tasmania, Singapore, South Australia, New Zealand, Queensland, Austria, New South
 Wales.
 The Record of the Imperial Naturalist Society of Moscow, for 1879.
 The Calcutta Review, No. CXXI.
 Report of the Free Public Libraries of the United Parishes of St. Margaret and St. John, London.

APPENDIX IV.

ATTENDANCE of Visitors during 1880.

Week-days.

January	10,658
February	6,634
March	8,164
April	7,221
May	5,617
June	5,224
July	6,785
August	4,814
September	6,130
October	6,075
November	6,006
December	6,438

79,766

Sunday Attendance.

January	2,863
February	3,276
March	2,989
April	2,940
May	2,424
June	2,187
July	2,512
August	2,961
September	2,649
October	3,165
November	2,009
December	2,722

Sundays	32,697
Week-days	79,766

Total 112,463

APPENDIX V.

ATTENDANCE of the Trustees, 1880.

<i>Official Trustees.</i>	
His Honor the Chief Justice	0
The Honorable the Colonial Secretary	0
The Honorable the Colonial Treasurer	0
The Honorable the Attorney General	0
The President of the Colonial Medical Board	5
The Surveyor General	0
The Auditor General	8
The Colonial Architect	0
The Collector of Customs	0
<i>Crown Trustee.</i>	
The Honorable Sir Alfred Stephen, C.B., K.C.M.G., M.L.C.	7
<i>Elective Trustees.</i>	
Belisario, John, Esq., D.D.S.	6
Bradley, H. H. B., Esq.	14
Cox, James C., Esq., M.D., C.M.L.S.	18
Fairfax, James R., Esq.	6
Hunt, Robert, Esq., Deputy Master of the Royal Mint	35
Liversidge, A., Esq., F.G.S., Professor of Geology, Sydney University	29
Mackay, Patrick, Esq.	19
Moore, Charles, Esq., F.L.S.	8
Norton, James, Esq., M.L.C.	8
Onslow, Arthur, Captain R.N., M.P.	4
Roberts, Alfred, Esq., M.R.C.S.E.	23
Wilkinson, Charles Smith, Esq., F.G.S.	6
Woods, the Rev. J. E. Tenison, F.L.S.	0

APPENDIX VI.

DONATIONS.

MAMMALS.	PRESENTED BY
Aerobates pygmaea	Mr. A. M'Callum.
Two Perameles lagotis	Mr. H. H. Bennett.
Monkey—Macacus sp.	Mr. J. Moore.
Echidna—Tachyglossus setosus	} Mr. Chas. Moore, F.Z.S.
Flying squirrel—Petaurista taguanoides	
Java cat	Mr. A. Morton.
Two Betongia grayi	Mr. Jas. Ramsay.
Perameles lagotis	Mr. E. G. Robertson.
Aerobates pygmaea	} Mr. Chas. Moore, F.Z.S.
Belideus flaviventer	
Mustela furo	Mr. Nuth.
Halmaturus ualabatus (juv.)	Major Clementi.
Monkey, (?) Cercocebus sp.	Mr. C. Mackay.
Dromicia unicolor	Mr. Chas. Moore, F.Z.S.
Monkey	} Messrs. J. and E. Hoken.
Lower mandible of an Orca sp.	
Delphinus	Mr. A. Lambert.
Three Belideus breviceps	} Mr. J. A. Thorpe.
Halmaturus ualabatus	
Dromicia unicolor	Mr. Chas. Moore, F.Z.S.
Macropus major	Mr. T. Bawden.
Echidna—Tachyglossus aculeatus	Mr. Nuth.
Two Petrogale pennicillata	Mr. Wilson.
Hydromys leucogaster	Mr. A. Goldie.
Skull of New Guinea pig	Major Clementi.
Pair of horns—Cervus sp.	Mr. A. Buist.
Albino rabbit	Mr. R. Clarke.
Dasyurus viverrinus	Mr. E. P. Ramsay.
Antechinus (flavipes ?)	Mr. W. Bradley.
Head of bison, Bos americanus	Mr. C. Moore.
Wallaroo (juv.)—Macropus rufus	Mr. Jas. Ramsay.
Two Antechinus	

BIRDS.

Three Campephaga tricolor	} Mr. H. K. Bennett.
Malurus leucopterus	
" callainus	
Amytis striatus	
Estrilda castanotis	
Two Ephthianura tricolor	} Mr. H. Newcombe.
Four " aurifrons	
Myzomela nigra	Mr. Stuart Paterson.
Collection of birds' eggs	Mr. James Ramsay.
Podiceps nova-hollandiae	Mr. Chas. Moore, F.Z.S.
Three Hieracidea orientalis	Mr. J. Roberts.
Collection of birds in spirits	} Mr. Neaves.
Grus australasianus	
Albino Rosella parrot, Platycercus eximius	} Mr. Chas. Moore, F.Z.S.
Cacatua ophthalmica	
" ducorspii	
Licmetis nasicus	
Platycercus pennantii	} Mr. I. J. Josephson.
Elanus axillaris	
Decaem hirundinaceum	

BIRDS—continued.

Three parrots— <i>Platyercus eximius</i>	PRESENTED BY Mr. Nuth. Mr. C. Moore, F.Z.S.
Pheasant— <i>Phasianus colchicus</i>	
Two <i>Artamus sordidus</i>	}
Two <i>Sittella chrysoptera</i>	
<i>Pachycephala gutturalis</i>	
<i>Climacteris scandens</i>	} Mr. J. A. Thorpe.
" <i>picumnus</i>	
<i>Anthus australis</i>	}
<i>Amadina Lathamii</i>	
<i>Zosterops coerulescens</i>	Mr. A. Goldie.
Egg of <i>Electus polychlorus</i>	Mr. Neaves.
Two Java finches— <i>Amadina</i> sp.....	} Mr. Nuth.
Six <i>Strepera graculina</i>	
Two rosellas— <i>Platyercus eximius</i>	} Mr. C. Moore, F.Z.S.
Java finch— <i>Amadina</i> sp.....	
Five Minors— <i>Acridotheres</i> sp.....	Mr. Foley.
Ninox boobook.....	Mr. J. Stein.
" ".....	Mr. J. Walker.
<i>Calyptorhynchus funereus</i>	}
Two <i>Struthidea cinerea</i>	
Two <i>Psephotus haematototus</i>	} Mr. Hean, Barbegal.
<i>Oriocica cristata</i>	
<i>Alyone azurea</i>	
<i>Melithreptus brevirostris</i>	} Rev. J. Sunderland.
<i>Electus polychlorus</i>	
Owl— <i>Strix</i> sp.....	Mr. C. Moore, F.Z.S.
<i>Menura superba</i>	Dr. J. C. Cox.
Flycatcher from Java.....	Mr. J. A. Thorpe.
Black swan— <i>Cygnus atratus</i>	Mr. C. Moore, F.Z.S.
<i>Psephotus multicolor</i>	
<i>Chlamydochora maculata</i>	} Mr. H. R. C. Bird.
<i>Ardea nova-hollandiae</i>	
Two <i>Cygnus atratus</i>	Mr. H. Newcombe.
<i>Larus nova-hollandiae</i>	Mr. Nuth.
<i>Thalassidroma</i> , sp.....	Mr. H. Ackland.
Petrel.....	} Mr. J. Brazier.
<i>Recurvirostra rubricollis</i>	
<i>Apteryx australis</i>	Mr. F. J. Mollony.
<i>Platyercus eximius</i>	Mr. Burrows.
<i>Athene boobook</i>	Mr. Stein.
<i>Ardea symmatophorus</i>	Mr. Pearce.
<i>Meliphaga phrygia</i>	Mr. J. James.
<i>Plotus nova-hollandiae</i>	Mr. Norton.
<i>Pelicanus conspicillatus</i>	Mr. Holborrow.
<i>Elanus axillaris</i>	Mr. C. C. Paul.
<i>Nycticorax caledonicus</i>	Mr. R. W. Thompson.
<i>Entomyza cyanotis</i>	Mr. J. W. Wells.
Twelve eggs of Australian birds.....	Mr. H. R. C. Bird.
<i>Elanus axillaris</i>	Messrs. C. Ritchie & R. H. Butcher.
<i>Charadrius bicinctus</i>	Mr. H. R. C. Bird.
" <i>obscurus</i>	Mr. J. Hill, Christchurch, New Zealand.
<i>Cacatua gymnopsis</i>	Mrs. Dargin.
Egg (malformed) of fowl.....	Mr. Foley.
<i>Himantopus leucocephalus</i>	Mr. H. R. C. Bird.
Pigeon— <i>Phaps histrionica</i>	Lieut. Penefather.
<i>Melithreptus brevirostris</i>	Mr. A. J. Campbell.
Nest of <i>Rhipidura albiceps</i>	Hon. C. Moore, M.L.C.
<i>Cuculus inornatus</i>	
<i>Myzantha flavigula</i>	}
Two <i>Pomatostomus ruficeps</i>	
<i>Climacteris scandens</i>	} Mr. James Ramsay.
<i>Biziura lobata</i>	
<i>Spatula</i>	
<i>Himantopus leucocephalus</i>	
Twenty-five specimens Birds' eggs and nests.....	

REPTILES.

<i>Morelia spilotes</i> and eggs.....	Mr. J. Brown.
<i>Vermicella annulata</i>	Mr. H. Mathews.
<i>Pseudechis</i> (nov. sp.).....	} Mr. James Ramsay.
Two stump-tailed lizards— <i>Trachydosaurus</i> , sp.....	
Skin of snake— <i>Morelia variegata</i>	
<i>Typhlops</i> sp.....	} Mr. F. G. Bell.
Diamond snake— <i>Morelia spilotes</i>	
Gecko— <i>Strophura spinigera</i>	Mr. Smithers.
<i>Cyclodus gigas</i> and ten young.....	Mr. J. F. Young.
Gecko— <i>Phyllurus platurus</i>	Mr. F. J. Drake.
" " ".....	Mr. H. Beach, jun.
<i>Diemenia</i> sp.....	Mr. J. Hodgkiss.
<i>Morelia spilotes</i>	Mr. W. Davies.
<i>Hoplocephalus coronatus</i> (juv.).....	Mr. G. Saville.
<i>Pygopus lepidopus</i>	Mr. T. Hill.
Snake— <i>Vermicella</i>	Mr. E. Loughton.
Lizard.....	Mr. J. A. Thorpe.
Rare snake— <i>Hoplocephalus</i> sp.....	Mr. G. Saville.
<i>Vermicella annulata</i>	} Mr. R. A. Watson
<i>Acanthophis antarctica</i>	
Snake.....	Mr. H. Cornelius.
<i>Vermicella annulata</i>	Mr. St. John.
<i>Crocodylus biporcatus</i>	Mr. C. Moore, F.Z.S.
Turtle (juv.), from New Caledonia.....	Mr. Rossiter.
Snake— <i>Hoplocephalus</i> sp.....	Dr. Morton.
Two <i>Typhlops ruppelli</i>	Mr. J. Stergus.
<i>Vermicella annulata</i>	Mr. Skinner.

REPTILES—continued.

Young brown banded snake	PRESENTED BY
Typhlops sp.	Mr. J. Burrows.
Hoplocephalus sp.	Messrs. Confoy & Larkins.
Morelia spilotes	Mr. W. C. Farron.
Aspidotus melanocephalus.....	Mr. J. Green.
Hydrosaurus sp.	Mr. J. Cousins.
Vermicella annulata	Mr. A. Newcombe.
Morelia spilotes	Mr. G. Wright.
Amphisbena sp.	Mr. H. Bowden.
Hoplocephalus sp.	Mr. A. Bowman.
Acanthophis antarctica	Mr. Kent.
Two Dendrophis punctatula	Mr. Martin Begg.
Typhlops ruppellii	Mr. Thew.
Typhlops ruppellii	Mr. H. Winnett.
Tree snake, from Fiji	Mr. Winnett.
Vermicella annulata.....	Mr. W. W. Burt.
Hydrosaurus varius	Mr. G. W. Rothwell.
Two Typhlops ruppellii	Mr. C. Graham.
Phyllurus platurus	Mr. W. Chapman.
Morelia spilotes.....	Miss Thompson.
Hydrosaurus varius.....	Mr. R. Hastings.
Pygopus lepidopodus	Mr. D. Fletcher.
Python	Mr. T. Paton.
Carpet-snake, Morelia variegata	Mr. H. Stanwix.
Diamond snake, " spilotes	Mr. C. Moore, F.Z.S.
Emydocephalus annulatus	Mr. J. Byrne.
Grammatophora barbata.....	Mr. J. A. Daley.
Dimenia superciliosa	Mr. J. Ramsay.
Python nov. gen.	

FISHES.

Trigla kumu	Master W. Lewis.
Box-fish—Aracana lenticularis	Mr. H. D. Morgan.
Thirty-six Galaxias coxii	Dr. J. C. Cox, F.L.S.
Two Hippocampus nova-hollandie	
One Pardachirus pavoninus	Mr. G. Warrington.
Two Sygnathus sp.	
Cristiceps sp.	Mr. Sydney.
Six Monacanthus sp.	Mr. F. Thomas.
Serranus damelii.....	Mr. Thos. Moore.
Priacanthus macracanthus.....	Mr. Hugh Paterson.
Chetodon	Mr. S. Harris.
Two Acanthurus sp.	Messrs. J. & E. Hoken.
John Dorey—Zeus australis	Mr. R. Cotter.
Six jaws of sharks (<i>juv.</i>) Odontaspis	Mr. G. Wright.
Fistularia serrata	Mr. Rossiter.
Diodon hystrix	
Ostracion, from New Caledonia	Mr. I. J. Josephson.
Rhinobatus granulatus.....	
Four Sillago maculata	
Three Temnodon saltator	
Two Platycephalus	Mr. Kohler.
Four Chrysophrys sarba	Mr. Oken.
Six Hemirhamphus regularis	Mr. H. Ackland.
Cestracion philipi	Mr. Brown.
Monacanthus.....	Capt. Neitzenstein.
Pseudorhombus russellii	Mr. Schmidt.
Large Seriola hippos	Mr. Smithers.
Collection of Port Jackson Fishes	Mr. Constantine.
Monacanthus ayraudii	Mr. Skinner.
Aulopus purpurissatus.....	Mr. A. Lovely.
Scorpena militaris	Mr. Millar.
Three Monacanthus sp.	Capt. Neitzenstein.
Collection of Fishes from Manly	Mr. Pearson.
Salarias sp. from an oyster-shell	Mr. Seymour.
Rhynobatus granulatus	Mr. Fuller.
Monacanthus sp.	
Trigla polyomata	Dr. J. C. Cox.
Large pike eel, Muroenesox cinerea.....	
Cossyphus sp.	Mr. B. Whitham.
Plectropoma ocellata	Mr. J. Cousins.
Two Labrichthys	
One Henoichus (?) sp.	Mr. A. Brown.
Heterodontus philippi	Mr. Wm. Brown.
Three Choetodonts, from Torres Straits	Mr. Lee.
Four Belone	
Scatophagus multifasciatus	Mr. A. Brown.
Three Chrysophrys sarba	
Lethrinus chrysostoma	Mr. Wm. Brown.
Trigonorhina fasciata	Mr. Lee.
Enoplosus armatus	
Scorpena sp.	Capt. Neitzenstein.
Trigla kumu	
Julis sp.	
Pseudorhombus russellii.....	Mr. J. Douglass.
Three Monacanthus sp.	Mr. Kohler.
Carcharodon rondalethi (?)	Mr. F. Johnston.
Henoichus sp.	Mr. F. Thomas.
Rare Band-fish—Regalecus, sp. nov.	Master C. Ramsay.
Flounder—Pseudorhombus russellii	Mr. J. L. Isaac.
Red rock cod—Sebastes peroides	Mr. J. Welch.
Box-fish—Aracana lenticularis	Mr. Webb.
Electric ray—Hypnos subnigrum	
Sea-horse—Phyllopteryx foliatus	

MOLLUSCA.

ETHNOLOGICAL SPECIMENS—*continued.*

	PRESENTED BY
Coin	Mr. J. B. Moate.
Net for catching kangaroo	
Two stone axes	} Mr. J. P. Beuzeville.
Bone needle	
" Sydney Gazette," 22 May, 1803	
Native basket, New Caledonia	Mr. T. F. Gibbons.
Headstone from Grave of George Graves, Boatswain Yeoman of H.M.S. "Sirius," 178 (?)	Dr. J. C. Cox.
Fishing-hook, from Natives of Vancouver Island	Mr. E. Eagar.
Native snare of bustard quills, for catching bustards	Mr. J. Woolfe. Dr. J. C. Cox.
POLYZOA AND ACTINOZOA.	
Large branches of a Polyzoon, from Penguin Islands, South Pacific	Rev. G. E. Gill.
TUNICATA.	
Three sea worms (Sipunculus)	Dr. Mackellar.
ANNULOSA.	
Heterostoma sulcidens	Mr. J. Mansell.
" "	Mr. Reynolds.
COLEOPTERA.	
Lamprima latreillei	Master Robinson.
" "	Miss Lawler.

APPENDIX VII.

LIST of Specimens forwarded to the Trustees of the Australian Museum for the purpose of exchange, by the several persons and Institutions whose names are appended:

From Captain Hutton, Christchurch, New Zealand.

Skull of a *Lagenorhynchus clangula*. | 2 Ear-bones of Megaptera?
6 Species of Indian Birds' Eggs.

From Julius von Haast, Ph.D., the Canterbury Museum, New Zealand.

Skull, mandibles and cervicle vertebra of *Ulogon grayi*. | Crayfish, from fresh water.

From the Smithsonian Institute, Washington, United States, America.

Collection of American Fishes, 137 species, 148 specimens.	Anthozoa	4 species,	4 specimens.
Pycnogonida	Hydroida	8 "	8 "
Merostomata	Cephalopoda	2 "	2 "
Crustacea	Gastropoda	25 "	25 "
Annelida	Scaphopoda	1 "	1 "
Chaetognatha	Lamellibranchiata	24 "	24 "
Nemertina	Tunicata	18 "	18 "
Holothuriodea	Brachiopoda	2 "	2 "
Echinoidea	Polyzoa	11 "	11 "
Asterioidea	Porifera (sponges)	7 "	7 "
Ophiuroidea			

From W. A. Haswell, Esq., M.A., B.Sc., the Queensland Museum.

2 Hallicore Dugong.

From the Museum, Nagasaki, Japan.

Collection of Japanese Zoology, Shells, Crustacea, &c. | Suit of Japanese Armour, several centuries old.

APPENDIX VIII.

LIST OF SPECIMENS SENT AWAY IN EXCHANGE.

To Professor Giglioli, Florence, Italy.

Collection of Australian Birds :—129 species—170 specimens.

Mammals :—5 species—5 specimens.

Skeletons :—6 species—7 specimens. 4 casts. 44 photographs.

To Julius von Haast, Ph.D., Canterbury Museum, New Zealand.

2 *Globigerina* chalk gods, from New Ireland.

To Franz Wilhelm, Austria.

Australian Birds :—44 species—50 specimens.

Mammals :—2 species—2 specimens.

To Professor Huxley, F.R.S., Science Schools, South Kensington, London.

Australian Mammals :—2 species—2 specimens.

Crustacea :—1 species—1 specimen.

To Herr Julius Levy, Germany.

Australian Birds :—33 species—42 specimens.

Reptiles :—8 species—11 specimens.

Fishes :—9 species—9 specimens.

To Count Bronicki, Paris.

Australian Birds :—261 species—350 specimens.
 Mammals :—23 species—30 specimens.
 Fishes :—6 species—6 specimens.
 Serpents, &c. :—19 species—23 specimens.

To the Curator of the Museum, Cambridge University, England.

Australian Mammals :—27 species—32 specimens.

To the Burke Museum, Beechworth.

Collection of Foreign Birds :—68 species—86 specimens.
 Mammals :—9 species—14 specimens.

To Dr. Steindachner, Zoolisches Museum, Vienna.
 Collection of Australian Fishes :—13 species—19 specimens.

To Victor Schomberger, Esq., Austria.

Collection of Australian Birds :—40 species—50 specimens.

To the Vienna Museum.

Collection of Birds :—74 species—95 specimens.
 Mammals :—4 skeletons, 5 skins—7 species, 9 specimens.

To L. Taizanowski, Curator of the Zoological Museum, Varsovié.

Australian Birds :—79 species—95 specimens.
 Mammals :—6 species—6 specimens.
 Skeletons :—3 species—5 specimens.

To the Queensland Museum, Brisbane.

Australian Mammals :—5 species—5 specimens (mounted).
 Tasmanian Birds 25 species—40 specimens.
 Frogs 17 " 17 "
 Fishes .. 25 " 33 "
 Cray-fish 1 " 1 "
 Invertebrates 77 "

To Dr. Cauvin, for the National Museum, Paris.

Australian Mammals :—3 species—3 specimens.
 Skulls :—2 species—2 specimens.

To the Japanese Museum, Nagasaki.

Collection of Australian Birds :—55 species—65 specimens.
 Mammals :—7 species—7 specimens.
 Skeletons :—3 species—4 specimens.

To the Colonial Museum, Wellington, New Zealand; James Hector, Esq., M.D., Curator.

Collection of New South Wales Fishes :—20 species—28 specimens.

To Professor M'Coy, Melbourne Museum.

Collection of New South Wales Fishes :—15 species—17 specimens.

To Captain Hutton, Christchurch.

1 Echidna.

APPENDIX IX.

List of Specimens purchased from Mr. George Warrington.

Skins of Birds and Fishes.

2 Hippocampus novæ-hollandiæ.	1 Aploactis sp.
1 Pardachirus pavoninus.	1 Echinanthus testudinarius.
2 Syngnathus sp.	1 Serranus dameli.
1 Cristiceps australis.	4 Heterodontus philippi.

Specimens purchased for cash by the Curator.

4 Anseranas melanoleuca.	1 Manucodia comreii.
3 Dendrocygna vagans.	1 Atrichia rufescens.
1 Anas nævosa.	1 Heterodontus galeatus.
1 Spatula rhynchotis.	11 Bows, with arrows, from the Island of Erromanga.
2 Anas castanea.	1 Wooden club.
3 Astacopsis spinifer.	2 Staffs. 1 Tomahawk.
1 Pedionimus torquatus.	1 Stone axe-head. N.G.—Very rare.
1 Anthus australis.	3 Geopsittacus occidentalis.
1 Platycercus pennantii.	54 Engraulus antarcticus.
10 Slingstones.	16 Species of fishes.

From Mr. D. Wilson.

Ethnological Specimens :— 16 bows, 7 bundles of arrows, 2 stone clubs, 4 paddles, 1 canoe, 32 spears, 4 native gods, 2 staffs.

Natural History Specimens.

15 Eggs (Cassuaris bennettii).	2 Cassowaries.
202 specimens of Fishes, consisting of many new and rare species.	

From Mr. W. Smith.

1 Carcharias sp.

From

From Mr. Mathews.

1 *Ornithorhynchus anatinus*.

From Mr. Chopping.

1 Orang-outang.

From Mr. J. R. Gregory.

Collection of Gems.

From Dr. Krantz.

1 *Teleosaurus*.

From Mr. E. Waller.

A collection of Foreign Birds, consisting of 54 species | 1 *Tapirus terrestris*. 2 Lemurs.
and 76 specimens; also a few Foreign Mammals. | 1 hedgehog.

From Mr. Godwin.

A collection of Foreign Birds, consisting of 18 specimens and 13 species.

From Mr. Egan.

A collection of New Guinea Birds.

17 <i>Paradisea papuana</i> .	2 <i>Ptilopus aurantifrons</i> .	1 <i>Ptilopus iozonus</i> .
3 <i>Platalea regia</i> . 10 <i>Eclectus polychlorus</i> .	1 <i>Ptilorhis victoriae</i> .	2 <i>Megapodius</i> sp.
3 <i>Chalcopsittacus</i> .	<i>Eulabeornis castaneiventris</i> .	3 <i>Butoroides magnirostris</i> .
6 <i>Cracticus cassicus</i> . 3 <i>Ptilotis versicolor</i> .	2 <i>Sterna gracilis</i> .	
4 <i>Rhectes</i> sp. 2 <i>Tropidorhynchus buceroides</i> .		

From Mr. Sheedy.

Birds in the flesh.

4 <i>Pezoporus formosus</i> .	2 <i>Stipiturus malachurus</i> .
3 <i>Pachycephala gutturalis</i> .	1 <i>Sphenura brachyptera</i> .
2 <i>Malurus lambertii</i> .	1 <i>Psephodes crepitans</i> .

From Mr. Cooper.

1 *Acanthopis antarctica*.

From Mr. W. Smith.

1 *Carcharias* sp.

From Mr. Mathews.

1 *Ornithorhynchus anatinus*.

From Mr. Philips.

A collection of New Guinea Ethnological Specimens.

From the Chevalier G. Jervis.

A collection of Italian Rocks and Minerals.

From Mr. Frenzel.

Collection of Amber.

From Mr. A. Boyd, Fiji.

Crustacea, 7 species, 16 specimens.	Fishes, 41 species, 78 specimens.
Birds, 1 " 1 specimen.	Mammals, 3 " 9 "
Beetles, collection of	Reptiles, 7 " 12 "

From Mr. Hunstein, New Guinea.

Birds Skins.

2 <i>Otidiphaps cervicalis</i> .	2 <i>Ptilorhis magnifica</i> .
1 " " <i>juv.</i>	2 <i>Lorius erythrothorax</i> .
2 <i>Phlogoenas jobiensis</i> .	2 <i>Aprosmictus chloropterus</i> .
1 <i>Ptilopus bellus</i> .	1 <i>Falco lunulatus</i> .
1 <i>Gallinula ruficrissa</i> .	1 <i>Strix tenebriosa</i> .
2 <i>Tanyiptera danæ</i> .	2 <i>Pachycare flavogrisea</i> .
1 <i>Pitta macklotii</i> .	1 <i>Grallina beccari</i> .
2 <i>Eupetes</i> sp.	2 <i>Poecilodryas leucophthalmus</i> .

From Mr. J. Rainbird, Port Denison.

20 specimens *Voluta maculata*.

From Mr. Thos. Barker, Maryborough, Q.

10 *Ceratodus fosterii*.

From Mr. Thorpe.

12 spears, 1 womera, 3 pipes.

Ethnological Specimens purchased by the Curator for cash.

11 bows, with arrows; 3 clubs; 1 tomahawk.

From Mr. R. Haddock.

Carved Shell (Solomon Islands).

From Mr. Stucley.

Collection of Australian Gems.

From Messrs. Muir and Croker.

Collection of Polynesian Shells.

From Mr. Bromley.

Specimens of Fiji Coral.

APPENDIX X.

LIST OF SPECIMENS COLLECTED BY THE MUSEUM EMPLOYEES.

Birds.

6 Anthochaera carunculata.
2 Platycercus pennantii.
1 Climacteris scandens.

1 Pachycephala.
1 Gymnorhina tibicen.

Fishes.

31 species—84 specimens, from Victoria.
10 species—33 specimens, from Port Stephens.

By Mr. Broadbent.

149 Fossil bones from the Darling Downs, Queensland.

A collection of birds (not yet arrived).

By the Dredging Expedition.

About 1,000 specimens of Ophiurida, Polyzoa, Crustacea, Edriophthalmata, Corals, and Sponges. (It has been impossible to ascertain the exact number and species in the short time that has elapsed since the expedition took place.)

APPENDIX XI.

LIST OF SPECIMENS CURED AND MOUNTED, AND OTHER WORK DONE BY THE TAXIDERMISTS AND ARTICULATOR.

Mammals.

1 Petaurista tagnanoides.
2 Maccacus sp.
1 Belideus flaviventer.
2 Procyon lotor.
3 Monkeys.
1 Phascogale pennicillata.
1 Macropus major.
3 Belideus breviceps.
2 rock wallabies (Petrogale pennicillata).
Hydromys leucogaster.
Simia satyrus.
Antechinus flavipes.

Zalophus cinereus.
Dasyurus viverinus.
10 Cuscus chrysorhous.
Mus rattus (mounted).
Large seal, Arctocephalus antarcticus? on rockwork.
" skeleton of, " "
Skull of Delphinus sp., N.Z. "
Macropus rufus. juv. (skin).
Large seal, Zalophuscineus.
" skeleton of.
Delphinus sp.
2 Belideus flaviventer (skin).

Birds.

Podiceps novae-hollandiae.
3 Hieracidea orientalis.
Pelecanus conspicillatus.
Menura superba.
2 Falco frontatus.
Haliastur sphinurus.
Cacatua ducorpsii.
3 Climacteris scandens.
5 Estrilda phaeton
5 " oclea.
8 " bella.
4 " lathamii.
6 Donacola castaneothorax.
4 " bichenovii.
4 " castanotis.
3 Poephila cincta.
1 Platycercus pennantii.
5 Meliornis novae-hollandiae.
2 Estrellda ruficauda.
2 " modesta.
4 Ptilotis fusca.
5 " flavicollis.
1 Eclectus.
2 Petroica leggii.
6 Myzantha melanophrys.
3 Chthonicola sagittata.
3 Ephthianura albifrons.
2 Artamus sordidus.
2 Sittella chrysoptera.
6 Meliphaga australasiana.
4 Aplonis metalica.
4 Melithreptus lunulatus.
3 Plectorhyncha lanceolata.
2 Sittella chrysoptera.
2 Meliornis serisea.
1 Finch (amadina sp.)
1 Climacteris scandens.
1 " picummus.
1 Zosterops dorsalis.
1 Pachycephala gutturalis.
1 Anthus australis.
1 Amadina lathamii.
5 Acridotheres? sp. (skinned).
4 Glycephilla ocellaris (grouped).
2 Entomophila picata "
5 Phlotis plumula "
2 " cratitia "
3 Zosterops dorsalis "
1 Strix sp.
1 Diomedea melanophrys.
17 birds, skinned.
1 Swan.
2 Anas castanea.
1 Ardea novae-hollandiae.
1 Xema sp. (relaxed).

1 Larus dominicanus (relaxed).
1 Chlamydodera maculata.
1 Tsephotus multicolor.
1 Larus novae-hollandiae.
1 Dendrocygna vagans.
1 Accipiter curhocephalus.
4 Finches—Donacola moluccana.
Xema (Larus) novae-hollandiae (skinned).
Accipiter cerrocephalus "
4 Anseranas melanoclenca "
2 Dendrocygna vagans "
1 Spatula rhynchotus "
1 Anas navosa "
1 Climacteris scandens "
1 Acanthorhynchus tenuirostris "
1 Platycercus pallidiceps "
1 Tachycephala gutturalis "
6 Anthochaera carunculata "
2 Platycercus pennantii (skinned). "
1 Gymnorhina tibicen "
4 Java finches (mounted). "
1 Avocet "
1 Melliphaga phrygia (mounted).
Group of Menura Alberti, with nest (mounted).
Stringops habroptilus.
2 Apteryx owenii.
1 Platycercus eximius.
1 Athene Rooboot.
1 Plotus novae-hollandiae.
Elanus axillaris (mounted).
Anthus australis (albino) (mounted).
Platycercus puthii "
Apteryx australis "
Nycticorax caledonicus. "
Pedionomus torquatus?
Cacatua ducorpsii.
Platycercus pennantii.
2 Astur novae-hollandiae.
3 Climacteris scandens (grouped).
5 Meliornis novae-hollandiae "
3 Estrellda phaeton "
5 " oclea.
8 " bella.
4 " lathamii.
4 " bichenovii.
2 " ruficauda.
6 Donacola castaneothorax.
2 Estrilda modesta.
4 " castanotis.
3 Poephila cincta.
2 Casuarius sp., from New Guinea (mounted).
1 Pheasant "
5 Acanthorhynchus superciliosus (grouped). "
3 Ptilotis flava "
2 Glycephilla fulvifrons "

6 *Ptilotis vittata* (grouped).
 4 *Myzomela obscura* "
 2 *Ptilotis pennicillatus* "
 2 " *lewinii* "
 2 " *leucotis* "

Large *Oligorus* (sp. nova).
 " shark (*Carcharodon*).
 " jew-fish (*Sciæna antarctica*).
 " shark?
 2 *Galeocerdo rayneri*.
 2 *Serranus damelli*.
Sciæna antarctica.
 2 *Serranus damelli*.
 1 *Crossorhinus barbatus*.
Acanthurus.
 Rock-cod.
 John Dorey (*Zeus australis*).
Batrachus sp.
Acanthurus sp.
 Large sword-fish, 14 feet, *Histiophorus gladius* (mounted).
 " *Tetrodon multiistriatus* "
Ostracion gibbosus
Chrysophrys sarba.
Latis colonorum.
Caranx georgeanus.
Aulopus purpurissatus.

3 crabs.
Palinurus ornatus.

Echidna.
Halmaturus.
Mustela furo.

4 casts of a model of New Zealand.
 Mould of a crater "
 " New Zealand weapons.
 " ancient bell (Malay).
 " two Tasmanian skulls.
 6 casts of Tasmanian faces (after death).
 2 " " " (coloured).
 3 " " skulls. "
 3 " " tooth of diprotodon.
 9 " " ethnological specimens, New Zealand.

Echidna (*Tachyglossus aculeatus*).

Shark.
 Codfish.
 Large jewfish.
 " codfish.
 Food fishes—17 negatives, 80 prints.

Pedionomus torquatus (mounted).
Himantopus leucocephalus (skin).
Cacatua gymnopsis "
Hieracidea orientalis, jvc. "
 2 *Tanyptera danæ* (re-made).

Fishes.

Black-fish (*Girella tricuspidata*).
Chilodactylus macropterus.
Monacanthus ayraudii.
Elacate nigra.
Platycephalus.
 2 *Scatophagus multifasciatus*.
Chilodactylus sp.
Otolithus taraglin.
Muraenox bagio.
 2 *Melanichthys* sp.
Chrysophrys sarba.
Pagrus unicolor (large).
Sciæna antarctica.
 3 Murray cod.
 Large *Anguilla*.
Galeocerdo rayneri (11 feet).
Sciæna antarctica.
Serranus damelli.
Trigla kumu (set up).
Galeocerdo Rayneri (set up).
 Large *Rhynobatus*.

Reptiles:—Crocodiles, grouped.

Crustacea.

3 Fresh-water lobsters.
 3 *Astacopsis spinifer*.

Palinurus sp.

Skeletons.

Monkey.
 Seal.

Casts.

2 Coloured casts of New Zealand Islands.
 Casting and moulding skull of *Zygomaturus trilobus*.
 Moulds of clubs and stone axes.
 Casts of Mounts Ruapehu and Tongariro, New Zealand.
 " three teeth of *Zygomaturus*.
 " large fossil Saurian, *Mossasaurus*.
 Cast and mould of " "
 Mould of Cape York skull of aboriginal.
 Repairs to casts and moulds.

Spirit Specimens.

2 spring lobsters, fresh water, *Astacopsis spinifer*.

Photographs.

4 negatives of a *Regalecus* sp. nov.
 2 " " corals (grouped).
 5 prints " "
 1 negative and 3 prints of a *Salmon* sp.

ED. P. RAMSAY,
 Curator.

TECHNOLOGICAL, INDUSTRIAL, AND SANITARY MUSEUM REPORT.

TO HIS EXCELLENCY THE GOVERNOR AND EXECUTIVE COUNCIL,—

The Trustees of the Australian Museum, incorporated by the Act 17 Victoria No. 2, have the honor to submit to your Excellency in Council, in accordance with the 9th section of that Act, this their first Annual Report on the Technological, Industrial, and Sanitary Museum.

1. The business of this Museum has been conducted by a Committee of the Trustees, consisting of Professor Liversidge, F.G.S., Mr. Alfred Roberts, M.R.C.S.E., and Mr. Hunt, Deputy Master of the Royal Mint, who have devoted a great deal of time to its organization and management. A separate account has been opened at the Bank of New South Wales, and Mr. Charles R. Buckland has been appointed acting Secretary. The Committee has reported progress monthly or more frequently to the Trustees of the Australian Museum.

2. As the first portion of the sum of £1,000 voted by Parliament for the formation of this Museum was received only in May, the Committee were obliged to forego the many favourable opportunities for obtaining specimens afforded by the late Sydney International Exhibition. Purchases were made, however, to the best advantage under the circumstances. Towards the close of the Exhibition donations were received from many exhibitors, and kind promises of assistance from others. Several thousand circulars have been sent to various parts of the world, setting forth the objects of this Museum and soliciting donations; many favourable replies have been already received, and numerous manufacturers have signified their intention of preparing cases of special exhibits, showing their productions in all stages of manufacture.

3. It was decided in December to send the acting Secretary to the Melbourne International Exhibition to solicit donations, and the Trustees were thus enabled to obtain promises of many fresh exhibits and to make the objects of the Museum more generally known. On the 28th December a deputation, consisting of Mr. Alfred Roberts and Mr. Hunt, of the Committee of this Museum, Sir Wm. Manning, Chancellor, and the Hon. John Smith, Professor of Chemistry of the University, and Mr. McIntosh, a Vice-President of the School of Arts, waited upon the Hon. the Premier to ask that a portion of the Garden Palace might be set apart for the purposes of this Museum, and to request permission to spend in Melbourne a portion of the

the sum placed on the Estimates for 1881. The deputation also suggested the propriety of placing this Museum in the hands of an independent Board. The Premier expressed himself as convinced of the great utility and importance of the institution, and of the desirability of its being located in the Garden Palace, and he promised to use his influence with his colleagues, with a view to complying with the requests of the deputation. No further communication has yet been received from the Government.

4. The specimens already acquired, which are stored in the Garden Palace, number about 3,000, and it is probable that as many more may be received during the next twelve months. The liabilities in connection with donations arriving from abroad, already incurred, amount to about £50; and expenses of this character are daily increasing. It will be seen that the sum to the credit of the account is only £9 2s. 8d.

5. With the object of thoroughly inaugurating and establishing this Museum, which the Trustees consider will be of incalculable benefit to the Colony, they have asked the Government to place on the Estimates for 1881 the sum of £5,000; and it is hoped that a portion of this amount may be available for expenditure at the Melbourne Exhibition.

6. The contents of the Appendices are: I. The Balance Sheet for 1880; II. A list of persons who have already made donations to the Museum; III. A list of manufacturers and others who have promised donations at the close of the Melbourne Exhibition, or direct from England; IV. Circulars issued by the Trustees.

The Common Seal of the Museum is affixed, by order of the Board, this 30th day of March, 1881.

[L.S.] ALFRED STEPHEN,
Chairman and Crown Trustee.
CHARLES R. BUCKLAND,
Acting Secretary.

APPENDIX I.

BALANCE SHEET of the Technological, Industrial, and Sanitary Museum, for year ending 31st December, 1880.

1880. Dec. 31..		£	s.	d.	1880. Dec. 31		£	s.	d.	
	To receipts from the Trustees of the Australian Museum	1,000	0	0		By salaries and labour	166	3	4	
	„ receipts from the Trustees of the Australian Museum for Professor Liversidge, as per letter of 4th December, 1880, from Department of Public Instruction	474	2	10		„ purchase of specimens	475	5	6	
						„ cases	245	5	0	
						„ travelling expenses	15	15	0	
						„ freight and cartage	11	10	8	
						„ stationery, books, and advertising	38	8	11	
						„ postage and exchange	6	1	3	
						„ furniture and fittings	31	6	2	
						„ sundry disbursements	1	1	6	
							990	17	4	
						„ payment to Professor Liversidge, by direction of the Trustees of the Australian Museum	474	2	10	
							1,465	0	2	
						Balance cash	9	1	6	
						Bank of New South Wales	0	1	2	
							9	2	8	
		£	1,474	2	10		£	1,474	2	10
	Balance forward to 1881	£	9	2	8					

Compared with the books and found correct,—
ROBERT HUNT, 18/1/81.

APPENDIX II.

LIST of Manufacturers and others who have made Donations to the Technological, Industrial, and Sanitary Museum.

J. de Groot, Pzn., S.I.E.	Messrs. Goodlet & Smith, Sydney.
Major Clementi, Commissioner for the Straits Settlements, S.I.E.	Mr. Julius Levy, Sydney.
M. Hautrive, French Court, S.I.E.	Mr. Petsch, German Court, S.I.E.
M. Gustave Lix, „ „	Mr. Carroll, Sydney.
Mr. Schiering, Sydney.	The Commissioner for Switzerland, S.I.E.
Mr. C. Whiffen, Battersea, London.	Messrs. Plummer & Nixon, British Court, S.I.E.
Messrs. Barron, Moxham, & Co., Sydney.	Mr. B. Eve, Sydney.
Messrs. Piesse & Lubin, Sydney.	The Commissioner for Austria, S.I.E.
Mr. A. Macpherson, Queensland.	Mr. E. Wilhelm, Austrian Court, S.I.E.
Mr. Ledger, Sydney.	Mr. Anthony, British Court, S.I.E.
Messrs. T. Webb & Sons, Sydney.	Mr. John Plummer, British Court, S.I.E.
Messrs. Dunlop & Co.	Mr. Rosenthal, American Court, S.I.E.
Dr. Bennett, Commissioner for Ceylon, S.I.E.	The Commissioner for Fiji, S.I.E.
Mr. Sakati, Commissioner for Japan, S.I.E.	The Lithgow Valley Pottery Company, N.S.W.
Major Clementi, Commissioner for India, S.I.E.	Messrs. Washburn & Moen, American Court, S.I.E.
Director of Kew Gardens, London, 11 cases.	The Health Society of New South Wales.
Messrs. Montefiore, Joseph, & Co.	The Commissioner for New Caledonia, S.I.E.
Mr. Bosisto, Melbourne.	Mr. A. T. Edwards, British Court, S.I.E.
Mr. Roach, Sydney.	Messrs. McDonald, Smith, & Co., Sydney.
The Commissioner for Tasmania, S.I.E.	The Gospel Oak Iron and Galvanized Iron and Wire Company.
Dr. Hector, C.M.G., Commissioner for New Zealand, S.I.E.	Messrs. Roberts & Hunter, England.
Messrs. Elliott Bros., Sydney.	The Stare Fire-brick Company „
The Hoffmann Patent Brick Company, Melbourne.	Messrs. A. Knos & Co. „
The Commissioner for America, S.I.E.	Mr. G. Wacey, Sydney.
	Mr. A. Armstrong, Sydney.

Through
Messrs. Scott,
Henderson,
& Co.,
Sydney.

The

The Educational Supply Association, London.
 Mr. F. Kirchen, Sydney.
 Mr. Alfred Roberts, M.R.C.S.E., Sydney.
 Messrs. Savage & Dilworth, British Court, S.I.E.
 Messrs. Copeland & Co., London.
 Mr. J. Senior, Sydney.
 Messrs. Edwards & Gardner, Sydney.
 The Bulli Coal Co., N.S.W.
 The Commissioner for South Australia, S.I.E.
 Mr. Geo. Cochrane, Sydney.
 Mr. J. G. W. Moir, Hobart.
 Mr. Cashin, Auckland, New Zealand.
 The Chevalier G. Jervis, Italy.

Messrs. Heyl Bros., Germany (through Messrs. Bernhard, Arnstaedt, & Co.)
 Messrs. C. Oppel & Co., Germany.
 Mr. Libel Schottlaender, " } Through Messrs. Rabone,
 The Union Iron and Steel Manufacturing } Feetz, & Co.,
 Company, Germany, 16 cases. } Sydney.
 The Australian Museum, Sydney.
 The South Kensington Museum, London.
 Messrs. Chance Bros., England.
 Messrs. Moffatt & Paige, "
 Messrs. J. C. Gostling & Co. "
 Mr. Henry Patterson, Rylstone.
 Messrs. Fairbanks & Co., New York.

APPENDIX III.

LIST of Manufacturers and others who have promised Donations to the Technological, Industrial, and Sanitary Museum, at the close of the Melbourne International Exhibition, or from England.

Messrs. Craven, Dunnill, & Co.
 " Neale, Harrison, & Co.
 " Page & McKellar.
 " Smith & Jordan.
 " Rickitt & Sons.
 " Brinsmead & Sons.
 " Moore Bros.
 " Mander Bros.
 The Pulsometer Engineering Co.
 Mr. M. H. Lauchlan, on behalf of several British firms.
 " J. R. Gregory.
 Messrs. Tangye Bros. (on loan), through Messrs. Blacket & Davy.
 " Collings.
 " Gostling & Co.
 " Southall Bros., & Barclay, through Messrs. J. Jacobs & Co.
 " Dickson Bros. & Co.
 The Australian Kerosene Oil and Mineral Co.
 The Oamaru Stone Co.
 Messrs. Sands & Co.
 " Stephenson & Son.
 The Stoke Prior Salt Works.
 Mr. Aug. Leonhardi, through Mr. John Plummer.
 The Young's Paraffine Light and Mineral Oil Co.
 Mr. Hodson.
 Mr. G. Sarfatti.

Messrs. Barrows & Son.
 The Farley Iron Co.
 The Caslon Letter Foundry Co.
 The Worcester Royal Porcelain Co.
 Mr. L. Nicolls.
 " James Gregory.
 " H. M. Milton.
 Messrs. Stevens & Kyle.
 " Newell & Co.
 " Mason Bros.
 " R. M. Whittall & Co.
 The Commissioner for South Australia, M.I.E.
 " New Zealand, "
 " Straits Settlements, "
 " India, "
 " The Netherlands, "
 " Belgium, "
 " America, "
 " Japan, "
 " Fiji, "
 The Newcastle Coal-mining Co.
 Mr. James Gardner.
 Box's Patent Ball Castor Co.
 Messrs. DeGrauw, Aymar, & Co.
 " Joseph Cowen & Co.
 Mr. J. R. Jopling.
 " J. Webber.

APPENDIX IV.

CIRCULARS issued by the Trustees.

The Australian Museum, Sydney, New South Wales, 20 September, 1880.

I have the honor, on behalf of the Trustees of the Australian Museum, to inform you that a Technological, Industrial, and Sanitary Museum is being formed in Sydney, with a view to the better education and instruction of the people of this Colony, the management thereof being at present in the hands of the Trustees of the Australian Museum.

They beg to apply to you for specimens of your manufactures, showing the various processes which they undergo, for presentation to this Museum. As it is contemplated to hold lectures in connection with the Museum, they will at the same time be glad to receive such full and explicit information as you may feel disposed to afford with regard to the manufacture of your goods, together with any general information and references to published works which your experience may suggest.

Many firms have already contributed valuable representative specimens, and others have kindly promised their exhibits after the close of the Melbourne Exhibition. The proprietors of the "British Trade Journal," through Mr. John Plummer, their representative in Sydney, have kindly undertaken to receive and forward all cases for the Museum sent to them. No expense will be attached to the donations, and the Trustees will pay freight, &c., on arrival of the goods in Sydney, where they will receive every care and attention.

The Museum will probably be located in the present International Exhibition Building, and the names, addresses, &c., of the manufacturers will be attached to all exhibits.

In conclusion, the Trustees would further express a hope that you will be good enough to forward, from time to time, specimens of such improvements as your establishment may produce.

I have, &c.,

CHARLES R. BUCKLAND, Secretary.

THE TECHNOLOGICAL, INDUSTRIAL, AND SANITARY MUSEUM OF NEW SOUTH WALES.

THIS Museum is intended to occupy a similar position and fulfil the same purpose in this Colony which the South Kensington Museum, the Bethnal Green Museum, the Museum of Practical Geology, the Patent Office Museum, and the Parkes Museum of Hygiene do in London. To this end, it is intended to collect together typical collections of all materials of economic value belonging to the animal, vegetable, and mineral kingdoms, from the raw material through the various stages of manufacture, to the final product or finished article ready for use.

It is intended that the following shall be more or less completely represented:—

1. Animal products, and specimens to show the methods followed in their preparation and manufacture, their uses for clothing, textile fabrics, domestic and ornamental purposes, their applications in pharmacy, dyeing, perfumery, &c.

2. Vegetable products, from the raw material through the various stages of manufacture to the finished fabric or other article, including specimens of timber.

3. Waste products, whether of animal, vegetable, or of inorganic origin.

4. Foods, animal and vegetable, their constituents, with their adulterations.

5. Economic entomology. The specimens will be so arranged as to enable the public to discriminate between insects which are injurious to man and those which work for his benefit, and to show the insects in all stages of growth, and specimens of the materials which they have destroyed or injured. Where it is impossible to exhibit actual specimens, the life history of the insects in question will be illustrated as far as possible by models and diagrams.

6. Economic geological specimens, showing the ores of the metals, their manufacture and uses; building and ornamental stones, clays, cements, glass, pottery, porcelain, pigments, &c. Architectural and building examples will be associated

associated with this collection ; also, precious stones, their artificial production and imitation. The uses of many of the specimens in this collection will be shown practically by incorporating them with the building itself in the form of pillars, doorways, window-sills, by laying down portions of the floor, steps, or inlaying the walls of the Museum.

7. Educational apparatus and appliances, school fittings, books, maps, diagrams, &c. ; collections of scientific apparatus and of specimens for high schools and colleges. A collection of this kind is of the greatest possible value to teachers, who can thus see and examine everything required in a school, and can directly compare the merits of the different books, fittings, and appliances as supplied by different makers and recommended by various authorities.

8. Sanitary and hygienic appliances and systems, adapted to public works, domestic architecture, personal health, clothing, and habits of life.

9. Mining, engineering, and machinery ; models, plans, drawings, tools, machinery, and appliances.

10. Agricultural tools, appliances, and machinery ; also soils, manures, &c.

11. Models, drawings, and descriptions of patents ; special attention will be paid to those which are likely to prove of use in the Colonies, or which have been taken out in Australia.

12. Ethnological specimens.

13. Examples of historical furniture and of artistic workmanship in iron and other metals.

14. Photographs, electrotype, plaster, and other reproductions of examples of art workmanship where originals are not to be obtained.

15. Exhibition catalogues, trade journals, price lists, and descriptions of new processes or industries. The information afforded to manufacturers, merchants, and tradesmen by a collection of this kind will be of incalculable value.

Sufficient concise information will be attached to each exhibit or group to satisfy without wearying the visitor, a full description being given in the catalogues. The prices paid for specimens and their commercial value will be indicated wherever possible, as it is a matter in which visitors usually take very great interest.

Sydney.

CHARLES R. BUCKLAND,
Acting Secretary.