

1882.

NEW SOUTH WALES.

AUSTRALIAN MUSEUM.

(REPORT OF THE TRUSTEES, FOR 1881.)

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-eighth Annual Report.

1. The Museum has been open continuously to the public 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, and except on Mondays, when the Museum is necessarily closed. The number of visitors was 115,655, being an increase of 3,192 on the number for 1880. The number who attended on Sundays was 41,660, being an increase of 8,963 on the number for 1880, while the attendance on week-days decreased by 5,771. The average daily attendance on week-days was 281, and on Sundays 801. The conduct of visitors has been without exception decorous and orderly.

2. The collections made during the dredging excursion to Port Stephens in November, 1880, were in some orders and families very extensive, but they have not yet been entirely worked out. A list of those which have been determined during the year will be found in Appendix XII. The crustacea have been determined by Mr. Haswell, and the mollusca (shells) by Mr. Brazier. The vertebrates are all well known species, excepting some small deep-sea fishes. Most of the specimens were obtained within Port Stephens itself; and, with some differences in detail, they represent a fauna very similar to that of Port Jackson. The northern limit of this zoological zone must be further north, probably towards the confines of the tropics. Dredging outside the heads of Port Stephens was much impeded by stormy weather; but on two days, when the weather was sufficiently fine, a great number of specimens were obtained. These include a large proportion of new species, and represent a fauna distinct from that of Port Stephens or Port Jackson, and are the most valuable results of the excursion. The total number of species (invertebrata) procured may be roughly estimated at 700. Of these the mollusca, chiefly of minute kinds, comprise 450 species (1,500 specimens), forty-seven of which are new to science. There were obtained also many fine specimens of sponges, of species hitherto unrepresented in the Museum. The duplicate specimens of polyzoa, about fifty species, have been sent for determination to Mr. Goldstein, of Melbourne, who states that the collection contains several new species and genera. The hydroid-zoophytes have not yet been worked out. Among the corals there are several rare species, and some are new. The echinoderms obtained were very few, with the exception of the ophiuridæ, of which a large series was secured. The annelids were not numerous, comprising only about a dozen species, but most of these are new to the Museum. There are about eighty species of crustacea, of which twenty are new to science.

3. A large number of donations from persons in this Colony, and Australia generally, have been made to the Museum, and some valuable specimens from the South Sea Islands have been presented by officers in Her Majesty's ships of war on this station.

4. The Trustees were enabled, through the kindness of Commodore Wilson, R.N., and Commander Bruce, R.N., to send a collector, the Assistant Taxidermist, to the Solomon Islands, where he obtained a number of species not previously in the Museum. A collection of fossil bones was obtained from the Darling Downs, Queensland, by a collector sent there; and a collector was recently sent to the interior of New South Wales, but not being successful he was recalled.

5. The system of exchanging specimens with foreign Museums has been extended mainly through the opportunities afforded by the Melbourne International Exhibition, notably with India, Japan, Belgium, America, Germany, and the Netherlands. From the South Australia and Melbourne Museums the Trustees have received moulds of numerous interesting and rare fossils. The collection of food-fishes sent to the Melbourne Exhibition proved of great interest. Many of the specimens were, at its close, sent in exchange to the Wellington, N.Z., and Melbourne Museums. From Austria, France, China, and Poland many valuable specimens of birds, mammals, and shells have been received, collections of a similar kind being sent to the above-mentioned places in exchange. The number of specimens received as exchanges exceeds that of the previous year by 827, and the number sent away in 1881 was larger by 2,261 than that sent in 1880.

6. Among the collections purchased have been many very valuable ethnological specimens from the South Sea Islands, of a kind which it is daily becoming more difficult to obtain. A collection of fishes from New Guinea was also purchased.

7. The maps purchased with funds provided by a special vote from Parliament have arrived, and been displayed in the Garden Palace.

8. A portion of the Anatomical Collection, for teaching purposes (also provided for by special vote), has arrived and will be displayed as soon as the show cases for their reception (for which money has been specially voted) are completed.

9. The large collection of fossils purchased in Germany, with funds provided by Parliament, has arrived, and Mr. F. Ratte, Civil Mining Engineer, Officier d'Académie (Paris), has been specially engaged to arrange the collection for exhibition. This work will be completed, it is hoped, in March next.

10. Large additions have been made to the Museum Library, and a further supply of books is daily expected.

11. Show cases have been provided, with money voted by Parliament, for the collection of fossils, and cabinets have been obtained for the reference collections of birds' skins.

12. The erection of a new workshop has been of great advantage to the Institution generally, by giving more space and greater facilities for work to the Taxidermist and his Assistant. The office accommodation, however, is still inadequate to the ever increasing operations of the Department. This inconvenience must remain until the rooms occupied by the Curator shall be given up by him to the general purposes of the Museum.

13. The Trustees are about to publish a Catalogue of the Crustacea of the Australian Seas. This work has been prepared by Mr. W. A. Haswell, M.A., B.Sc., and will be of great scientific value, containing, as it does, descriptions of all known Australian species, many of which are new to science. A Catalogue of the collection of fossils (referred to in paragraph 9) has also been prepared. Both of these will shortly leave the printer's hands. Mr. Brazier has been engaged in cataloguing the collections of shells.

14. The By-laws and General Rules of the Institution have been carefully revised, and in several respects amended. A copy has been transmitted to the Minister of Public Instruction, for submission to His Excellency in Council, as required by the Act of Incorporation.

15. Three vacancies have occurred in the Board of Trustees during the year 1881, by the resignation of Patrick Mackay, Esq., and the loss of the seats of the Rev. J. E. Tenison-Woods, F.G.S., and James R. Fairfax, Esq., by absence without leave. These vacancies have been filled, in the two former cases, by the election of Alexander Stuart, Esq., M.P., and the Hon. P. G. King, M.L.C. The last vacancy had not been filled at the end of the year, the Hon. W. A. Brodribb, M.L.C., being nominated for the position.

16. The most important work undertaken by the Trustees during the year has been the renewal of the exploration of the caves of the Colony; for which object a special sum of money was voted by Parliament. Mr. Jenkins, of Yass, was engaged to explore the caves at Coodradigbee. The bones obtained there are all of recent origin, belonging to still existing species of the kangaroo, wallaby, wombat, opossum, &c. The Siluro-Devonian fossils, however, obtained by him from the limestone rocks are of considerable interest, and will form a valuable addition to the Museum collection. The exploration of the caves at Wellington was superintended by the Curator, who frequently visited the locality, leaving in charge of them, during his absence, one of the Museum employés. The first cave examined was found to contain several feet of water on the floor, and could not be worked without very great expense. The second cave showed no signs of bone breccia, consequently the search was discontinued. The third cave, known as the Breccia Cave, was next examined. Here above 1,000 specimens were obtained, many of them of great interest; among others an almost perfect ramus of a Thylacoleo with the articulating condyle; and the toe bones of a large species of Echidna. The fourth cave examined was the large one situated at the summit of the ridge. Photographs were taken by magnesium light of the walls of this cave. At first no bones were discovered, but on sinking a shaft through the floor the tooth of a Diprotodon and some bones of small marsupials were found. In some other shafts the bones were larger and more perfect than those in the Breccia Cave. Among the most important discoveries were portions of the pelvis of an immense kangaroo, caudal and cervical vertebrae; jaws of large marsupials, especially five rami of Thylacoleo nearly perfect, and many good teeth. The Curator inspected all other caves in the district, but found only two, on the Nanima Estate, 6 miles east of Wellington, which showed any signs of bones. A list of the most important specimens discovered is contained in Appendix XIII.

17. The exploration of the Rivers of New South Wales (provided for by special Parliamentary vote) was undertaken by the Assistant Taxidermist, who was sent to the Richmond River with a boat, nets, and all necessary outfit. This exploration was so far successful that nearly all the kinds of fish hitherto known to frequent the fresh-water rivers were obtained, in addition to other interesting species, some of which are new to science. The cod found is scarce, and similar to that obtained in the Macquarie River. No fishes in any way allied to the Ganoidei, Sirenoidei, or Dipnoi, were found, and it is proposed to search for these fish during 1882 in the Queensland rivers. A list of the various species obtained will be found in Appendix XIII. A detailed report of the exploration of the caves and rivers will be published during the year 1882, when the numerous specimens shall have been determined.

18. The Trustees add to this their Report the following Appendices:—I. The annual balance-sheet; II. A list of books purchased for the Museum Library; 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; X. A list of specimens collected; XI. Particulars of the work done by the Taxidermists and Articulor; XII. A list of such of the specimens obtained during the dredging excursion to Port Stephens in November, 1880, as have been determined; XIII. A list of the most important bones discovered at the Wellington Caves, and fishes obtained in the Richmond River.

The Common Seal of the Museum is affixed, by order of the Board, this 13th day of May, 1882.

(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, 1881.

RECEIPTS.	£ s. d.	£ s. d.	PAYMENTS.	£ s. d.	£ s. d.
The Hon. the Colonial Treasurer, as follows:—			Salaries and Wages—		
Curator's salary	500 0 0		Curator	500 0 0	
Assistant Taxidermist's salary	150 0 0		Assistant Taxidermist	150 0 0	
Endowment for 1881, under Act of Incorporation	1,000 0 0		Secretary, Taxidermist, Articulator, carpenter, 5 attendants, labour	1,102 9 4	
Opening the Museum on Sunday	200 0 0		Sunday attendants		1,752 9 4
Purchase of specimens	520 0 0		Purchase of specimens		196 2 0
Collection	300 0 0		Collection		477 19 3
Formation of catalogues	600 0 0		Formation of catalogues		277 10 2
Purchase of books	500 0 0		Purchase of books		434 0 3
„ maps	250 0 0		„ maps		277 11 9
„ cabinets	1,000 0 0		„ cabinets		421 5 6
Travelling expenses	200 0 0		Travelling expenses		543 18 5
Exploration of caves and rivers	600 0 0		Exploration of caves and rivers		101 0 0
Furniture	100 0 0		Furniture		603 9 3
Additional endowment	500 0 0		Bookbinding and catalogue	35 19 6	105 0 1
		6,420 0 0	Chemicals	30 2 2	
Formation of a Technological Museum	2,000 0 0		Stationery	33 1 3	
Cost of teachers and classes	500 0 0		Lighting lamps	6 10 0	
		2,500 0 0	Telegrams, exchange, postage	8 15 6	
Refund per Ramsay	5 0 3		Taxidermist's materials	11 8 4	
„ Broadbent	5 16 8		Customs, freight, cartage	100 10 1	
		10 16 11	Insurance	22 10 0	
Balance from 1880		777 14 5	Ironmongery	32 15 5	
			Timber	15 3 9	
			Fuel	14 11 0	
			Tickets and labels	34 5 6	
			Advertising and printing	5 1 4	
			Sundries	35 14 7	
					386 8 5
			Technological Museum	2,500 0 0	
					2,500 0 0
			Refunds to Colonial Treasurer—		
			Sunday attendance account	20 16 0	
			Protection of specimens	0 16 10	
			Collection	0 8 4	
					22 1 2
			Balance in Bank of New South Wales on 31st December, 1881		1,609 15 9
					£ 9,708 11 4
Balance forward to 1882		1,609 15 9			

APPENDIX II.

Books, &c., acquired by purchase for the Museum Library, 1881.

Annals and Magazine of Natural History, 1881, and January, 1879.
 Athenæum, 1881.
 Ibis, 1881.
 Nature, 1881.
 Philosophical Magazine, 1881.
 Zoologischer Anzeiger, 1881, and Nos. 56, 58.
 British Museum Catalogue.
 Transactions of Entomological Society of London, 1881.
 „ „ „ 1878. Parts 3-5.
 „ „ „ 1879. „ 1-5.
 „ „ „ 1880. „ 1-4.
 „ „ „ 18 missing numbers.
 Bulletin de la Société Impériale des Naturalistes, Moscow. No. 2-4.
 Legge's Birds of Ceylon. Part II.
 Beaumont et Dufrenoy's Carte Géologique de la France. 6 sheets. Vols. 1, 2. Vol. 4, Atlas.
 Explication de la Carte Géologique de la France. Vols. 3, 4.
 Proceedings of the Zoological Society—
 1877. Parts 3, 4.
 1878. „ 1 to 1881, part 3.
 Philosophical Magazine and Journal of Science—
 1838. January to May, December. Nos. 72-6.
 1868. August.
 1833 to 1837. Complete.
 1832. July to December.
 1851 to 1854. Complete.
 Athenæum—1862, 3 months; 1864, complete; 1865, 2 months.
 1868, 1 number.
 1869, 2 „
 1870, 1 „
 1871, 2 „
 1872, 12 „
 1873, 5 „
 1875, 7 „
 1880, 1 „
 Nos. 2366, 2393.

Geological

APPENDIX II—continued.

- Geological Magazine—
 1874. February, July, to December.
 January, 1875, to October, 1881.
 Geological Society's Journal—
 1874. No. 118. Nos. 121-44.
 1881. February, May, August.
 D'Alberti's New Guinea. 2 vols.
 W. Boyd Dawkins' Cave-hunting.
 Zoological Record. Vols. 11-16.
 Reeve's Conchologia Iconica. Vol. 20.
 Journal of the Linnean Society—
 Botany. Nos. 36, 76-80.
 Zoology. No. 51.
 Zoological Journal. Vol. 3—April 26 to 1828.
 M. A. Rütot's Pamphlets :—
 Sur la position stratigraphique des restes de mammifères terrestres.
 Compte rendu d'une course dans Le Quaternaire.
 " " de l'excursion de la Société Géologique de France.
 " " des excursions faites en commun par les Sociétés Géologiques et Malacologiques de Belgique
 " " au point de vue paléontologique de l'excursion de la Société Malacologique de Belgique.
 Hewitson's Exotic Butterflies. 2 vols.
 Tryon's Manual of Conchology. 2 vols.
 Transactions of the Zoological Society. Vol. X., Part 10, to Vol. XI, Part 5.
 Webster's English Dictionary.
 Liddle and Scott's Greek-English Lexicon.
 Yonge's English-Greek Lexicon.
 Lewis and Short's Latin-English Dictionary.
 Riddle and Arnold's English-Latin Dictionary.
 Clifton et Grimaux' French Dictionary. 2 vols.
 Millhouse's Italian Dictionary. 2 vols.
 Velasquez' Spanish " 1 vol.
 Grich's German " 2 vols.
 Calish's Neterland " 2 "
 Russian Dictionary. 1 vol.
 Chemnitz Conchylien Cabinet. 11 parts.
 Transactions of the Linnean Society. Vol. 29, Part 3; Vol. 30, Parts 1-3.
 2nd Series—Zoology. Vol. 1, complete; Vol. 2, Parts 1-2.
 " Botany. Vol. 1, Parts 1-9.
 Ray Society's Publications, 1844-80. Complete except four parts.
 Palaeontographical Society. Vols. 32-5, 1878-81.
 Hull's Coal-fields of Great Britain.
 Wallace's Geographical Distribution of Animals. 2 vols.
 Etheridge's Catalogue of Australian Fossils.
 Ure's Dictionary of Mines and Manufactures. 4 vols.
 Couche's History of Fishes. 4 vols.
 Beechy's Zoology of a Voyage to the Pacific.
 Wallace's Island Life.
 Bleeker's Révision des Espèces Insulindiennes.
 Bleeker's Contribution à la Fauna Ichthyologique de l'Île Maurice.
 Bleeker's Enumeration des Espèces de Poissons connues du Japon.
 Gray's Synopsis of Star-fish in the British Museum.
 Geikie's Prehistoric Europe.
 Adam's Genera of Recent Mollusca.
 Buiney and Bland's Land and Fresh Water Shells of North America. 1 vol., Parts 1-3.
 Natural History Review, 1853-65. 12 vols.
 Balfour's Comparative Embryology. 2 vols.
 Bell's British Stalk-eyed Crustacea.
 Bate and Westwood's Catalogue of British Sessile-eyed Crustacea. 2 vols.
 Siebold and De Haan's Fauna Japonica, Crustacea.
 Palaeontologie Française. Tome X., Part 1.
 Philosophical Transactions. Vol. 170.

APPENDIX III.

Books acquired by donation for the Museum Library, 1881.

- Presented by James Hector, Esq., M.D., C.M.G. :—
 Studies in Biology, for New Zealand students.
 Palaeontology of New Zealand.
 Fifteenth Annual Report on the Colonial Museum and Laboratory, New Zealand, 1879-80.
 Reports of Geological Explorations, New Zealand, 1879-80.
 Transactions and Proceedings of New Zealand Institute, 1880.
 Meteorological Report, New Zealand, 1880.
 Presented by the Commissioners, Melbourne International Exhibition :—
 Official Catalogue of Exhibits. 2 vols.
 Presented by Professor W. K. Parker, F.R.S. :—
 The Structure and Development of the Skull in the Common Snake.
 " " " " Lacertila.
 " " " " Urodelaous Amphibia. Parts I, II.
 Presented by the Honorable Wm. Macleay, M.L.C. :—
 Transactions of the Entomological Society, New South Wales. Vol. II.
 Presented by the Royal Society, New South Wales :—
 Journal and Proceedings of the Royal Society, New South Wales, 1876.
 " " " " 1880.
 Presented by the Free Public Library, Sydney, New South Wales :—
 Catalogue, 1876.
 " 1877-8 (supplementary.)
 " Lending Branch.
 Presented by the Royal Society of Tasmania :—
 Reports for 1879.

Presented

APPENDIX III—*continued*.

- Presented by the Government Printer, New South Wales :—
 Von Müller's Select Extra-Tropical Plants.
 Estimates, 1882.
 Supplementary Estimates, 1881.
 Schedule on Estimates for 1882.
- Presented by the Linnean Society, New South Wales :—
 Proceedings of the Society. Vol. 5, Part IV.
 " " " 3 " III.
 " " " 4 " II.
 " " " 6 " I, II.
 " " " 1 " III.
 " " " 2 " IV.
 " " " 3 " III.
- Presented by the Smithsonian Institute, United States, America :—
 Annual Report, 1878.
 Bulletin of the United States National Museum. Nos. 10, 12, 13, 14, 15, 21.
 " " Entomological Commission. Nos. 1, 2.
- Presented by the Department of Mines, New South Wales :—
 Annual Report, 1880.
- Presented by the Nagpur Museum, India :—
 Catalogue, 1876, 1881.
- Presented by the Government of Madras, India :—
 Report of the Central Museum, 1880-81.
- Presented by the Beechworth Free Public Library and Burke Museum :—
 Annual Report, 1880-81.
- Presented by E. D. Cope, Esq., North American Survey :—
 Review of the Rodentia of the Miocene Period of North America.
 On some Mammalia of the Lowest Eocene Beds of New Mexico.
 On the Canidae of the Loup Fork Epoch.
 " Temporary Dentition of a new Creodont.
 " Effect of Impacts and Strains on the Feet of Mammalia.
 " Rodentia of the American Miocene.
- Presented by Messrs. Trübner & Co. :—
 Zoologischer Anzeiger. No. 72.
 Geological Magazine. Vol. I, Decade II, No. 1.
 " " " III " II " 1.
 Beiträge zur Näheren Kenntniss der in dem Baikal—See Vorkommenden Neideren Krebse aus der Gruppe der Gammariden von Dr. B. N. Dybowski.
- Presented by Mr. John Brazier, C.M.Z.S. :—
 Localités des Îles Australiennes, des Îles Solomon et d'autres Îles de la Mer Sud.
 Notes on Mollusca of Port Jackson.

APPENDIX IV.

ATTENDANCE of Visitors during 1881.

Week-days.	
January	7,096
February	4,075
March	5,625
April	8,381
May	6,016
June	5,959
July	5,266
August	5,537
September	5,465
October	5,199
November	6,675
December	8,701
	73,995
Sundays.	
January	3,032
February	2,203
March	2,951
April	3,049
May	3,276
June	3,974
July	4,543
August	3,344
September	3,694
October	4,426
November	3,752
December	3,416
Sundays	41,660
Week-days	73,995
Total	115,655

APPENDIX V.

APPENDIX V.

ATTENDANCE of the Trustees, 1881.

<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	0
The Surveyor General	3
The Auditor General	0
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.	13
<i>Elective Trustees.</i>	
Belisario, John, Esq., D.D.S.	5
Bradley, H. H., Esq.	10
Cox, James C., Esq., M.D., C.M.L.S.	24
Fairfax, James R., Esq.	3
Hunt, Robert, Esq., Deputy Master of the Royal Mint	41
King, P. G., Esq., M.L.C.	4
Liversidge, A., Esq., F.G.S., Professor of Geology, Sydney University	28
Mackay, Patrick, Esq.	1
Moore, Charles, Esq., F.L.S.	4
Norton, James, Esq., M.L.C.	14
Roberts, Alfred, Esq., M.R.C.S.E.	25
Stuart, Alexander, Esq., M.P.	2
Wilkinson, Charles Smith, Esq., F.G.S.	16
Woods, the Rev. J. E. Tenison, F.L.S.	0

CHARLES R. BUCKLAND,
Secretary.

APPENDIX VI.
DONATIONS.

MAMMALS.		PRESENTED BY
An Echidna— <i>Tachyglossus hystrix</i>	}	Mr. G. H. Simpson.
<i>Cuscus orientalis</i>		Captain Brodie.
Skull and lower jaw of Fiji aboriginal, and shell <i>Ovulum ovum</i> , which had been buried with the dead man	}	Through Dr. A. Roberts.
<i>Hypsiprymmodon moschatius</i>		Mr. R. C. Meiklejohn.
<i>Halmaturus dorsalis</i>	}	Mr. Chas. Moore, F.L.S.
A Platypus— <i>Ornithorhynchus anatinus</i>		Capt. Gardner.
White rat— <i>Mus decumanus</i> , albino	}	Mr. P. Smith.
Bandicoot— <i>Perameles nasuta</i>		Mr. J. Ponsonby.
<i>Halmaturus ulabatus</i>	}	Mr. W. H. Smithers.
An Echidna, <i>Tachyglossus hystrix</i>		Mr. E. C. Cousins.
A Monkey— <i>Maccacus</i> sp.	}	Mr. Stringer.
A water-rat— <i>Hydromys chrysogaster</i>		Mr. J. A. Henderson.
Skin of flying mouse— <i>Acrobates pygmaea</i>	}	Mr. R. C. Beck.
Native cat— <i>Dasyurus viverrinus</i>		Mr. M. A. MacDermot.
<i>Halmaturus thetidis</i>	}	Mr. F. T. Matthews.
Skull of Rotumah native chief		Dr. P. Hope Lewis, R.N., H.M.S.
		"Cormorant."
<i>Scotophilus morio</i>	}	Masters Barnard.
<i>Miniopterus Australis</i>		Mr. C. R. Barry.
<i>Taphozous</i> , sp. nov.	}	Mr. J. Hoochie.
Malformed hoof of a horse		Masters Barnard.
<i>Belideus taguanoides</i>	}	Mr. Richard Loughlan.
White rat—albino of <i>Mus decumanus</i>		
BIRDS.		
A hawk— <i>Ieracidea orientalis</i>	}	Mr. H. R. C. Bird.
Five <i>Ocyphaps lophotes</i>		Mr. Stringer.
Four <i>Leucosarcia picata</i>	}	Lieut. Richards.
Collection of birds in spirits		Mr. H. R. C. Bird.
A swift— <i>Acanthylis caudacuta</i>	}	Mrs. J. W. James.
Young ostrich— <i>Struthio camelus</i>		Jas. Barnet, Esq., Col. Architect.
Young penguin— <i>Eudyptula minor</i>	}	Mr. F. J. Muir.
A semi-adult penguin, " "		Mr. A. Cape.
A tern— <i>Sterna</i> sp.	}	Mr. Todhunter, P. & O. S. N. Co.'s
Moa bones		Service.
Nestling of <i>Calyptorhynchus funereus</i>	}	Mr. John Brazier.
Three nests of Indian weaver bird, <i>Ploceus</i> sp. from the "Elephanta Caves," Bombay		
Six eggs of <i>Porphyrio vitiensis</i>	}	Dr. Coppenger, R.N.
<i>Micropterus cinereus</i>		
<i>Chloephaga</i> , (<i>Bernicla</i>) <i>poliocephala</i>	}	Mr. J. A. Thorpe.
" " (<i>"</i>) <i>antarctica</i>		Rev. Geo. Brown.
<i>Stercorarius antarcticus</i>	}	Mr. Gale.
<i>Anthus Australis</i>		Mr. H. R. C. Bird.
<i>Donacicola spectabilis</i>	}	Mr. J. Stringer.
Tropic bird— <i>Phaeton phoenicurus</i>		Mr. Wm. Clohe.
<i>Falco frontatus</i>	}	Mr. S. Robinson, P.M.
A finch from India— <i>Estrela</i> sp.		Miss Lee.
An English woodpecker— <i>Picus viridis</i>	}	Mr. Chas. Moore, F.Z.S.
A crested shrike— <i>Falcunculus frontatus</i>		Mr. Jas. Ramsay.
<i>Cacatua galerita</i>	}	Mr. J. A. Thorpe.
<i>Ara aracana</i>		Messrs. Shaw & Blunden.
<i>Podargus strigoides</i> , nestling	}	Rev. Geo. Browne.
Thirteen skins of birds		Mr. Wm. Woods.
Seven skins of birds		
Two finches— <i>Donacicola spectabilis</i>		
A crane— <i>Grus Australasianus</i>		

BIRDS—continued.

BIRDS—continued.		PRESENTED BY
An owl—Ninox boobook	.....	Mr. T. Streetfield.
A cockatoo—Callocephalon galeatus	.....	Mr. C. S. Cape.
A black cockatoo—Calyptorhynchus funereus	.....	The Trustees, N.S.W. Zoological Society.
A thrush—Oreocincla lunulata	.....	Mr. J. B. Austin.
Six Californian quail—Callipepla Californica	.....	Mr. Thos. Green.
Two blood-birds—Myzomela sanguinolenta	.....	Mr. Peter Barnes.
Two malformed eggs of domestic fowl, one found within the other	.....	Master F. Ebsworth.
Two eggs of the white cockatoo—Cacatua galerita	.....	Miss R. Barnett.
Blood-bird (honey-eater)—Myzomela sanguinolenta	.....	Secretary of the Zoological Society.
Cockatoo—Cacatua leadbeateri	.....	Mr. Geo. Stringer.
A pheasant—Phasianus colchicus	.....	Mr. R. W. Thompson.
A goose—Chlamydochen jubata	.....	Mr. J. Barnes, J.P.
A king parrot—Aprosmictus scapulatus	.....	Mr. P. S. Shepherd.
A stilt-plover—Himantopus leucocephalus	.....	Mr. Charles Brackley.
Musk duck—Biziura lobata	.....	Mr. Chas. Moore, F.L.S.
A night heron—Nycticorax Caledonicus	.....	Mr. Neaves.
Egg of Chthonicola sagittata	.....	Mr. C. R. Cape.
A night heron—Nycticorax Caledonicus	.....	
Gray parrot—Psittacus erythacus	.....	
A podargus and two young—Podargus strigoides	.....	
Three Eclectus polychlorus	.....	
Two Lorius cardinalis	.....	
Three Lorius chlorocercus	.....	
One Ptilopus richardsii	.....	Mr. W. E. Mort.
One Haliastur leucosterna	.....	
One Nycticorax manillanus	.....	
Nest and two eggs of Gerygone fusca	.....	Mr. Cockerell, senr.
Six eggs of English house-sparrow—Passer domesticus	.....	Mr. Jabez Giles.
One heron—Herodias pacifica	.....	Master C. S. Cape.
One petrel—Procellaria gigantea	.....	Mr. J. Chalton.
One steamer duck—Micropterus cinereus	.....	Dr. Coppenger, R.N.
Two Chloephaga antarctica	.....	
One podargus—Podargus strigoides	.....	Mr. J. W. Wells.
One black cockatoo—Calyptorhynchus funereus	.....	Mr. W. Elliott.
One owl—Athene boobook	.....	Mr. J. Stein.
One Gracula krefftii	.....	
One Ianthoenas philippine	.....	
Two Ptilopus greyi	.....	
One Myzomela pulcherrima	.....	Lieut. J. C. Farie, R.N.
One " sp.	.....	
Two Sauloprocta tricolor	.....	
One Eurostopus sp. nov.	.....	

REPTILES.

One gecko—Phyllurus sp.	Mr. Bensuan.
Three young snakes (Hoplocephalus sp.)	Mr. H. R. Whittell.
One Typhlops sp.	Mr. Wm. Barracloupe.
One lizard—Cyclodus gigas	Mr. Whittell.
One gecko—Phyllurus sp.	Mr. A. P. Pedley.
One young lace lizard—Hydrosaurus varius	Mr. Whittell.
One Gramatophora sp.	Mr. H. Coombe.
One Morelia spilotes	Mr. Wm. Wooden.
A large death-adder—Acanthophis antarctica	Mr. D. A. Thomas.
A brown-banded snake—Hoplocephalus curtus	Mr. E. J. Foley.
Moloch horridus	Mr. H. Newcombe.
A lizard—Egernia cunninghami	Mr. W. Gabb.
A ringed snake—Vermicella annulata	Mr. Stockwell.
" " "	Mr. J. Finn.
A gecko—Phyllurus sp.	Mr. Wm. Lovegrove, C.P.S.
A lizard—Pygopus lepidopodus	Mr. P. T. Rodd.
A gecko—Phyllurus platurus	
One Gramatophora sp.	Masters Barnard.
One Odatria ocellata	
One gecko, Gymnodactylus, sp.	
One Hoplocephalus sp.	
" coronata	
Two Typhlops sp.	Mr. Walter Friend.
A snake—Brachysoma diadema	Captain J. J. de Hart.
A large python from Batavia (Boa constricta)	Mr. Gordon.
Four Strophura spinigera	Dr. Alston.
A snake—Hoplocephalus curtus	
" variegatus	Mr. Pickering.
Two geckoes—Diplodactylus sp.	Mr. P. Paton.
A lizard—Grammatophora cristata	Mr. Henry Coombe.
" " "	Mr. F. K. T. Walker,
A turtle—Chelodina longicollis	Mr. Jabez Giles.
A brown-banded snake—Hoplocephalus curtus	
Young brown snake—Diemenia superciliosa	
Two lizards—Grammatophora sp.	
One lizard—Hinulia sp.	Mr. George Pickering.
A lizard—Pygopus lepidopodus	Master E. Williams.
A gecko—Phyllurus inermis	Mr. Edward Smith.
A brown snake—Hoplocephalus curtus	Mr. A. Sandon.
A diamond snake—Morelia spilotes	Lieut. J. C. Farie, R.N., H.M.S.
A lizard—Phyllurus inermis	" Micaela "
A lizard—Hydrosaurus sp.	

FISHES.

FISHES.	
A box fish— <i>Aracana lenticularis</i>	Mr. G. Downe.
<i>Plesiops bleekeri</i>	Mr. Frank Hill.
A groper— <i>Cossyphus</i> sp.	Mr. Jno. Hoken.
Collection of fishes from Solomon Islands	Captain Brodie.
One <i>Aracana lenticularis</i>	A. M'Leod Davis, Esq.
<i>Antennarius commersonii</i>	Mr. Thos. B. Warland.

FISHES—continued.

Two Monacanthus sp.	
One Eupeneus sp.	
One Batrachus sp.	
One Opisthognathus jacksonensis	
Teeth of a large ray	
A Tench, <i>Tinca vulgaris</i> (introduced)	
A <i>Chrysophrys sarba</i>	
Flying fish— <i>Dactylopterus orientalis</i>	
<i>Elacate nigra</i>	
A blue groper— <i>Cossyphus</i> sp.	
A <i>Lethrinus</i> sp.	
A golden carp— <i>Carrasius auratus</i>	
<i>Chilodactylus vittatus</i>	
One <i>Novacula</i> sp.	
One <i>Aploactis milesii</i>	
One <i>Lethrinus</i> sp.	
A wobblygong shark— <i>Crossorhinus barbatus</i>	
Cod— <i>Scorpoena cardinalis</i>	
Box fish— <i>Aracana lenticularis</i>	
Sucker fish— <i>Echemis remora</i>	
An angel shark— <i>Rhina squatina</i>	
A sea leather-jacket— <i>Monacanthus ayraudii</i>	
An eel— <i>Muraena bagio</i>	
Box fish— <i>Aracana lenticularis</i>	
Horse mackerel— <i>Auxis</i> sp.	
Two leather-jackets— <i>Monacanthus megalurus</i>	
Porcupine fish— <i>Dicotylichthys punctulatus</i>	
An "Old maid"— <i>Scatophagus multifasciatus</i>	
Two fish— <i>Opisthognathus jacksonensis</i>	
Flying gurnard— <i>Trigla kumu</i>	
A perch— <i>Neoanthias guntheri</i>	
An angel shark— <i>Squatina angelus</i>	
Flying gurnard— <i>Trigla kumu</i>	
A "Beardy"— <i>Pseudophysis</i> sp.	
A "Maori"— <i>Coris lineolatus</i>	
A "Sarjeant Baker"— <i>Aulopus purpurissatus</i>	
Two flying fishes— <i>Dactylopterus orientalis</i>	
Two <i>Neptomenus brama</i>	
One <i>Plectropoma semicinctum</i>	
One <i>Fistularia serrata</i>	
Jaw of a Port Jackson shark— <i>Heterodontus philippi</i>	
One large eel— <i>Muraenesox cinerea</i>	
Head of blue pointer shark	
Three herrings— <i>Clupea</i> sp.	
The jaw of a Port Jackson shark— <i>Heterodontus philippi</i>	
A leather-jacket— <i>Monacanthus ayraudii</i>	
One fiddler ray— <i>Trigonorrhina fasciata</i>	
One <i>Cheilodactylus vittata</i>	
One cat fish— <i>Copidoglanis tandanus</i>	
Two herrings— <i>Clupea</i> sp.	
One eel— <i>Muraenesox cinerea</i>	
One wobblygong or bearded shark— <i>Crossorhinus barbatus</i>	
One leather-jacket— <i>Monacanthus</i> sp.	
One fish— <i>Monocentrus japonicus</i>	
One flying gurnard— <i>Trigla polyomata</i>	
One frog fish— <i>Antenarius commersonii</i>	
One flying fish— <i>Exocoetus</i> sp.	
One jumping fish— <i>Periophthalmus</i> sp.	
One fish— <i>Serranus</i> sp.	
One coral fish— <i>Dascyllus aruanus</i>	
One porcupine fish— <i>Dicotylichthys punctatus</i>	

MOLLUSCA.

One <i>Cardium cardissa</i>	
An Octopus	
A snail— <i>Limax</i> (?) <i>krefftii</i>	
One <i>Malleus alba</i>	
A <i>Cardium cardissa</i>	
A <i>Helix falconeri</i>	

ARACHNIDA.

A spider— <i>Gasteracanthus</i> sp.	
" <i>Mygale</i> sp.	
" <i>Gasteracanthus</i> sp.	
Several young spiders	
A spider— <i>Nephila</i> sp.	
" "	

CRUSTACEA.

A crab, with sponge on back— <i>Hyastenus diacanthus</i>	
A crayfish— <i>Palinurus hugelii</i>	
Six crabs— <i>Hyastenus diacanthus</i>	
A collection of 20 crabs from New Caledonia	
A land crab— <i>Birgus latro</i>	
Eight crabs— <i>Hyastenus diacanthus</i> —with sponges (<i>Velluspa</i>) growing on their backs	
A crab— <i>Hyastenus diacanthus</i>	
" "	
A crayfish— <i>Astacopsis bicarinatus</i>	
A robber crab— <i>Birgus latro</i>	

ECHINODERMATA.

A cushion star— <i>Anthena tuberculata</i>	
Four specimens of <i>Salmacis globator</i>	

PRESENTED BY

Dr. A. Gordon.	
Mr. H. Newcombe.	
Through Dr. Roberts.	
Captain A. Onslow, R.N.	
Mr. Brown.	
Inspector Seymour.	
Mr. David Tomson.	
Mr. J. Hoken.	
Mr. Eastway.	
Master Lewis.	
Mr. M. A. H. Fitzhardinge.	
Mr. E. D'Arcy Towns.	
Mr. Kohler.	
Mr. Eastway.	
Mr. Thos. M'Lellan.	
Master E. Thurston.	
Mr. Jas. Brown.	
Inspector Seymour.	
Mr. Chas. Hastie.	
Chief mate of s.s. "Illawarra."	
Mr. A. D. Taylor.	
Mr. A. Cox.	
Mr. M. Asher.	
Mr. Jas. Ireland.	
Mr. Edward Woome.	
Mr. W. P. M'Lean.	
Mr. J. Kohler.	
Inspector Seymour.	
Mr. A. Kelson.	
Mr. F. Thomas.	
Mr. ———	
Inspector Seymour.	
Mr. H. Newcombe.	
Mr. J. F. Caldwell.	
Mr. Polman, C.S.R. Co.	
Mr. J. Moore.	
Mr. L. V. Miller.	
Inspector Seymour.	
Mr. J. Poolman.	
Mr. J. J. Josephson.	
Mr. E. M. Betts.	
Mr. R. B. Hartley.	
Mr. G. R. Reynolds.	
Mr. Jos. Fisher.	
Mr. Benbow.	
Mr. C. J. Burns.	
Mr. Summers.	
Mr. Stephens.	
Lieut. J. C. Farie, R.N.	
Mr. L. Parchetta.	
Capt. of mission schr., "John Hunt."	
Dr. J. C. Cox.	
Mr. J. Kempster.	
Mr. V. J. Bennett.	
Mr. Bird, H.M.S. "Cormorant."	
Mr. M'Naugh.	
Master John Mann.	
Mr. H. G. Burnell.	
Mr. Jno. Parish.	
Mr. ———	
Mr. J. C. Burnell.	
Mr. T. Jackson.	
Mr. A. H. Fitzhardinge.	
Mr. G. Twemlow.	
Mr. Jas. Hughes.	
Dr. J. C. Cox, F.L.S.	
Inspector Seymour.	
Mr. J. Hennham.	
Mr. R. D. Fitzgerald, F.L.S.	
Mr. H. Lane.	
Masters Barnard.	
Lieut. J. C. Farie, R.N., H.M.S.	
"Miranda."	
Mr. W. Brown.	
Dr. J. C. Cox, F.L.S.	

INSECTA.

INSECTA.

A longicorn beetle— <i>Monochamus</i> sp.	PRESENTED BY
The larva of a moth— <i>Chelepteryx collessi</i>	Mr. A. Smith.
Two moths	Mr. F. J. Josephson.
A silk moth	Dr. Spark.
A moth (malformed specimen of <i>Pielus</i> sp.)	Mr. Jas. Alberton.
Three <i>Scutella</i> sp.	Mr. Baker.
A small collection of insects from New Zealand	Mr. S. Johnstone.
A rare beetle— <i>Hyperion schroetteri</i>	Master Hickson.
A phasma— <i>Extatostoma tiaratum</i>	Mr. E. B. Woodhouse.
A moth— <i>Cheracampe luctuosa</i>	Mr. Chas. Messell.
A caterpillar	Dr. P. Sydney Jones.
A large bee	Master A. Paterson.
A beetle—(Coleoptera) <i>Scapanes</i> sp.	Mr. —
Nest of white ants—Termites	Mr. Chas. B. Walsh.
One <i>Hyperion schroetteri</i>	The Hon. Sir. A. Stephen, C.B.,
A beetle— <i>Scapanes</i> sp. (Coleoptera)	K.C.M.G.
A phasma— <i>Podacanthus</i> sp.	Mr. Jas. Boyle.
A moth— <i>Antheraea eucalypti</i>	Mr. J. Fisher.
The larva of a Cicada with fungus	Mr. W. Waite.
The larva of <i>Cequesa triangularis</i> (Lepidoptera)	Mr. A. E. Packer.
A beetle—(Coleoptera) <i>Bolbocerus reichii</i>	Mr. Bolding.
A scolopendra—(Annulosa) <i>Heterostoma</i> sp.	Mr. Hargrave.
" " "	Mr. R. A. Hill.
" " "	Mr. J. Sutcliffe.
" " "	Mr. P. N. Russell.
A phasma sp.	Mr. W. Murray.
Two <i>Catadromus australis</i>	Mr. F. Alport.
A beetle— <i>Lamprina latreillei</i>	Mr. Newton.
Two larva of <i>Cequesa triangularis</i>	Mr. Larking.
One larva of " <i>australasiae</i>	Mr. J. Ponsonby.
A phasma— <i>Podacanthus</i> sp.	Mr. J. Dunshea.

GEOLOGICAL SPECIMENS AND FOSSIL REMAINS.

Specimens of asbestos and quartz from Native Dog Creek, Port Essington	Messrs. Alcock and Gaghan.
Specimen of sandstone with fossil shell	Mr. W. J. Muir.
" of Dendrites	Dr. Coppinger, R.N.
A piece of rock showing Glacier groovings	Mr. Robt. Scott.
Sample of toad's-eye wood tin from Grenfell	Mr. W. F. Jones.
A spherical stone, water-worn	Mr. —
Specimen of <i>Chrysocolla</i> ?	Messrs. Blunden and Shaw.
Quartz, &c., from Temora gold drifts	Mr. Frank Moore.
A quartz pebble	Mr. Henry Pleass.
Small piece of specular iron	Mr. —
Small crystals of quartz	Mr. Grace.
Specimen of opal with quartz crystals	Mr. Way.
Specimen of fern in trap rock, impregnated with iron oxide	Mr. Thos. Wooley.
Silicified wood from the Bell River	Mr. Wallace.
Five specimens of quartz containing gold	Mr. A. Rudder.
Slab containing fossil shells, <i>Spirifer</i> , &c.	Bishop of Grafton and Armidale.
The cast of a <i>Spirifer</i>	Capt. Hunter.
Specimens of Queensland marble	Rockhampton City Council.
" " "	

ETHNOLOGICAL AND HISTORICAL SPECIMENS.

Newspaper, <i>The Sun</i> , publishing an account of the coronation of Her Majesty Queen Victoria, printed in gold, Thursday, June 28, 1838	Mr. A. Lewis.
Two "fire-sticks" and a tomahawk, used by aborigines of Queensland	Mr. E. Palmer.
Two bullets from French mitrailleuse, two from German needle-gun, and one from French chassépot, stained with blood, used in the Franco-German war, 1870-1, from the field of Gravelotte, near Metz	Mr. J. A. Fairfax.
Mask made of front and lower jaw of a human skull, used by natives of New Britain in their war-dances	Mr. Critchett Walker.
Log of timber of a stringy-bark tree, containing the following inscription: "L. Macquarie, Octr., 1820," found near Goulburn	Mr. Chas. Cropper.
Arrows from California, poisoned	Mr. D. Horniman.
Four spear-heads of lava, and samples of tapa from Easter Island	Mr. H. Menzies.
A boomerang used for killing large game	Mr. A. H. McCulloch, M.L.A.
Collection of specimens from the Fiji Islands	Mr. Waterhouse.
An hotel bill of fare printed on birch bark	Mr. J. J. Wallace.
A helmet of an Afghan chief, highly ornamented	Capt. M. de Horce.
A hat made of palm leaves, from the island of Yap, Caroline group	Mr. W. Young.
A child's hat, from South Sea Islands	Masters A. and H. J. Renwick.
A woman's dress, " "	
An ornamented mat, " "	
A sleeping mat, " "	
Three silver coins, twenty-seven copper tokens and coins	Mr. Geo. Wright.
An ancient brass ring with amethyst	Mr. J. L. Isaac.
Model of double canoe from South Sea Islands	Mr. J. S. Holmes.
A piece of flint with a shark's tooth	Mr. J. Clissold.

ZOOPHYTES.

A sea pen or pennatula— <i>Sarcoptilus grandis</i>	Mr. Betts.
Brain coral— <i>Meandrina</i>	Mr. E. Smalley.
A pennatula— <i>Sarcoptilus grandis</i>	Mr. Betts.

ANNELIDA.

<i>Amphinome</i> sp.	Mr. W. M'Farlane.
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ASCIDIAN.

A <i>Boltinea</i> with sponges attached	Mr. L. R. Gipps.
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BOTANICAL.

Two truffles— <i>Melitta australis</i>	Miss Webb.
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SUNDRIES.

A hair ball from the stomach of an ox	Mr. Wm. Woods.
A hair ball from the stomach of a cow	Mr. G. Garret.

APPENDIX VII

List of Specimens received by the Trustees in Exchange. 1881.

From the Melbourne Museum.

Australian Fishes :—17 species—18 specimens.

Casts :—Permission to take 20 casts of specimens exhibited at the Melbourne National Museum.

From the Adelaide Museum.

Casts :—Permission to take 5 casts of specimens exhibited at the Melbourne Exhibition.

From Mr. Whittell.

1 Egg of <i>Tribonyx ventralis</i>.	|	1 Egg <i>Geopelia placida</i> .
2 „ <i>Geopelia cuneata</i>.	|	

From Mr. Reginald Cholmondeley.

Collection of Birds :—10 species—10 specimens.

From the Straits Settlements.

From L. Taizanowski, Esq., Zoological Museum, Varsovié.

Collection of Mammals :—9 species—11 specimens.

„ Birds :—39 species—50 specimens.

„ Shells :—32 species—302 specimens.

From Mr. J. W. Sissons.

Collection of Eggs :—7 species—7 specimens.

From Victor Schomberger, Esq.

Collection of Birds :—88 species—140 specimens.

From Mr. Campbell.

Bird :—1 specimen of *Puffinus brevicauda*.

From Mr. John Brazier, C.M.Z.S.

Technological Dictionary—3 vols.

Chenu's Manuel de Conchologie et de Paléontologie Conchylogique.

Macgillivray's Conchologists' Text Book.

Guthrie and Larnach's Illustrated Catalogue.

Owen's Palæontology.

From Professor Liversidge, F.G.S.

1 Book :—Bristol's "Glossary of Mineralogy."

From Professor Hutton.

Books :—2 vols. Macquart's "Diptères exotiques." 2 Nos. Monthly Journal of Science, Dec. /79, May /80.

Crustacea :—15 species—62 specimens.

From T. Kirk, F.L.S.

Botanical Specimens :—About 200 specimens Phanogams and Ferns.

From R. Hungerford, Esq.

Fine collection of Shells :—317 species.

From Mr. Paul Bouvier.

Collection of Shells :—102 species.

From Mr. C. F. Ancey.

Collection of Shells :—74 species.

From Dr. Schmidt.

Skulls :—60 Egyptian skulls.

APPENDIX VIII.

List of Specimens sent away in Exchange.

1881.—To the Netherlands Museum.

Collection of Australian Birds :—61 species—91 specimens.

Australian Mammals :—21 species—25 specimens.

Fishes :—51 species—57 specimens.

Reptiles :—13 species—22 specimens.

Monotremata :—1 species—1 specimen.

To Dr. Feistmantel, Calcutta, India.

Ceratodus Fosteri :—1 specimen.

To — Whittell, Esq., Sydney.

1 Egg (<i>Casuarus bennettii</i> .)		1 <i>Nectris carneipes</i> .
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To J. R. Goldstein, Esq.

Polyzoa :—41 species.

To Gustave Beck, Esq., for the Brussels Museum.

Collection of Australian Birds :—38 species—48 specimens.

Crustacea :—57 species—163 specimens.

Mollusca :—76 species—206 specimens.

To Professor Giglioli, Florence, Italy.

	Aboriginal Skulls.	
1 Skull, Fiji.		2 casts Tasmanian Aborigines' skulls.
1 " N.S.W.		2 " " " " faces after death.

To Dr. Cauvin, Jardin de plantes Museum, Paris.

6 casts of Skulls (Aborigines).

To S. F. Baird, Esq., Director Smithsonian Institute, U.S.A.

Collection of Australian Mammals :—15 species—16 specimens.
 Reptiles :—12 species—14 specimens.
 Fishes :—67 species—97 specimens.
 Echinodermata :—5 species—15 specimens.

To Professor H. de Saussure, Genoa Museum.

Collection of Insects :—Hymenoptera :—60 species—100 specimens.
 " " Hemiptera :—12 species—24 specimens.
 " " Diptera :—63 species—126 specimens.

To Mr. J. W. Sissons, Sheffield, England.

Collection of Australian Birds' Eggs :—33 species—67 specimens.

To Professor Parker, Dunedin Museum, New Zealand.

Collection of Fishes :—5 species—6 specimens.
 Mammals :—5 species—8 specimens.
 Crustacea :—2 species—8 specimens.

To Dr. A. Barrallier, du "Finisterre."

Casts :—2 casts of skulls, Tasmanian aborigines—2 casts of faces, Tasmanian, after death.

To M. L. Boutan, Esq., du "Finisterre."

Books and Maps.

(From the Department of Public Instruction.)

Copy of Report of the late Council of Education, with Map, 1879.
 Two copies of Public Instruction Act and Regulations framed thereunder.
 Two complete sets of Australian Reading Books.
 Two complete sets Irish National Board Series.

(From the Department of Mines.)

Geological Map of Wallerawang and Hartley, Tambaroora.
 Annual Reports 1876-7-8-9.
 Two copies of Geological Map of New South Wales.

(From the Surveyor General's Department.)

Large Geological Map of New South Wales.
 Colony Map, showing minerals.
 " " agriculture areas.
 Map of County of Georgiana, in folio.
 " " Dampier, with reference.
 " " Camden, " "
 One copy of each sheet published of the Trigonometrical Survey, Port Jackson.
 Small Map of the Colony.
 Map of the City of Sydney and environs.
 Index Map County of Harden (specimen of maps on scale 4 miles to an inch).
 City and environs of Bathurst. } Specimen of town maps.
 Town " " Deniliquin. }

(From the Museum.)

Collection of Australian Fishes :—43 species—50 specimens.
 Shells :—69 species—146 specimens.
 Australian Insects :—200 species—450 specimens.
 Insects (Duke of York's Island) :—15 species—37 specimens.
 Lepidoptera from Port Darwin :—26 species—46 specimens.
 Lepidoptera from New South Wales :—11 species—20 specimens.

To Colin Browning, Esq., Curator Nagpur Museum, India.

Collection of Birds :—75 species—85 specimens.
 Fishes :—20 species—24 specimens.
 Mammals :—13 species—13 specimens.
 Reptiles :—9 species—10 specimens.
 Collection of Crustacea :—36 species—74 specimens.

To H. H. Locke, Esq., Economic Museum, Calcutta, India.

Collection of Birds :—51 species—56 specimens.
 Mammals :—12 species—12 specimens.
 Reptiles :—10 species—11 specimens.
 Fishes :—19 species—21 specimens.
 Crustacea :—33 species—73 specimens.

To the Berlin Museum, through Dr. O. Finsch.

Collection of Birds :—144 species—168 specimens.	
Collection of Ethnological specimens :—40 photographs.	
1 Native's head, Lord Howe's Island (cast).	4 New Zealand flax-beaters.
2 " faces, Tasmanian (cast).	2 " spear-heads.
2 " skulls, " "	8 " stone adzes.
2 New Zealand carved bones. " "	2 " sling-stones.
1 " carved octagon block.	1 " stone club.
2 " Tiki.	1 ancient bell (Malay).
Collection of Fishes :—27 species—35 specimens.	
Crustacea (fresh-water) :—Astacopsis serrata.	
Reptiles :—8 species—12 specimens.	

To

To Professor M'Coy, National Museum, Melbourne.

Collection of Fishes (N.S.W.):—Dry specimens:—7 species—7 specimens. Spirit specimens:—58 species—80 specimens.
Collection of Fishes handed over during the Melbourne Exhibition:—13 species—17 specimens.
Collection of Crustacea:—45 species—83 specimens.
Amphipoda:—20 species—20 specimens.
Echinodermata:—28 species—62 specimens.

To R. Hungerford, Esq., Hong Kong.

Collection of Shells:—145 species—349 specimens.

To Paul Bouvier, Esq., Marseilles, France.

Collection of Shells:—124 species—298 specimens.

To C. F. Ancey, Esq., Marseilles, France.

Collection of Shells:—89 species—224 specimens.

To Professor Kirk, F.L.S., Wellington, N.Z.

Books:—

Exotic Ornithology—Schater and Salvin; 13 parts.
Australian Land Shells—Cox; 1 copy.
" Longicorns—Masters; 1 copy.
Flora Sylvatica, Southern India, parts I and II.
Transactions Linnean Society, vol. XVI, parts I and III.
" Zoolog. " " VII, complete.
" " " " VIII, complete, except part I.
" " " " IX, complete.
" " " " X, parts I and II.
Zoology of "Erebus" and "Terror," vol. I.
History of British Fishes—Yarrell, 2 vols., complete.
Fragmenta Photographiæ Australiae—Mueller, vol. I, parts 1, 2, 4, and 5.
Transactions Linnean Society, vol. XXVII, parts I and II.

To Dr. J. C. Cox.

Books:—Proceedings of the Zoological Society of London, 1830-36

To the Free Public Library.

Books:—

Guide to Australian Fossil Remains in Australian Museum—Krefft—5 copies.
Catalogue of Australian Land Shells—Cox—5 copies.
List of Australian Longicorns—Masters—5 copies.
British Museum Catalogue: Snakes—1 copy. Lizards—1 copy. Tortoises and Crocodiles—1 copy.
Fragmenta Photographiæ Australiae—Mueller—3 vols.
Don's Gardner's Dictionary—4 vols.
Geological Report on Cornwall, Devon, and W. Somerset (De la Bèche)—1 vol.
Mus. Comp. Zool., Harvard. Vol. III, No. 1, Brachiopoda (Dall.)—1 vol. Annual Reports, 1870—3 copies.
Paléontologie (F. J. Pictet)—3 copies.
Poets and Prose-writers of N.S.W. (Barton)—5 copies.
Royal Society (Lond.) Phil. Trans. from 1826 to 52 (various)—39 parts.
Cat. of described Coleoptera of Aust. (Masters)—Part I—2 copies.
" II 1 "
" III 2 "
" V 7 "
Stalk and sessile-eyed Crustacea of N.Z.—Cat. Col. Mus., N.Z. (Miers)—1 copy.
Cat. of Minerals and Rocks in Collectn. Aus. Mus. (Krefft)—2 copies.
Cuviers Règne Animal—4 vols.

To Professor Hutton.

Books:—

Poli's Testacea utriusque Siciliæ—2 vols.
Philosophical Society of N.S.W., 1862-5—1 vol.
Royal Society of Van Diemen's Land, 1848-51—1 vol.
Royal Society of Tasmania, 1871—1 vol.

To the Royal Society of New South Wales.

Appendix to Benj. Anderson's Journey to Musadu.

Australian Fossil remains in Australian Museum, Guide to (Krefft.)

" Land shells, Catalogue of (Cox).

" Longicorns, List of (Masters).

Fosforoscenza del Mare, Giglioli.

Geological Survey of Great Britain and of Museum of Practical Geology (Lond.), Memoirs of:—

Vol. I, Vol. II, Parts I and II.

Geology, Part I. Iron ores, &c.

Mining Records.

On the Tertiary Fluvio-marine formation of Isle of Wight.

Geological Survey of United Kingdom, Memoirs of. Decade I-IV, V-VIII.

Literature in N.S.W. (G. B. Barton.)

Pentacrinus Europeus, Memoirs on. (J. V. Thompson.)

Poets and Prose-writers of N.S.W. (Barton.)

To Baron Maclay.

1 cast of Skull of Cape York aboriginal.

To John Brazier, Esq., C.M.Z.S.

Linne Systema Nature—10 vols.

Transactions of Zoological Society, London—vols. V., VI.

Poets and Prose-writers of N.S.W. (Barton.)

Literature in N.S.W. (Barton.)

APPENDIX IX.

List of Specimens purchased.

For Cash, by Curator.

- | | |
|--|---|
| 2 Eggs of <i>Menura victoriae</i> . | 1 <i>Anous panaya</i> . |
| 1 <i>Peneus canaliculatus</i> . | 1 <i>Pomacentrus</i> sp. |
| 5 <i>Upeneus</i> sp. | 2 <i>Pterois</i> . |
| 2 <i>Pagrus unicolor</i> . | 1 <i>Trachypoma macrostoma</i> . |
| 1 <i>Cheilodactylus vittatus</i> . | 1 <i>Tetrodon</i> sp. |
| 4 <i>Platycephalus</i> sp. | 6 <i>Pempheris compressus</i> . |
| 3 <i>Thynnus</i> sp. | 6 <i>Ocydromus sylvatica</i> . |
| 1 <i>Synaptura nigra</i> . | 4 <i>Sterna fuliginosus</i> . |
| 1 <i>Lethrinus</i> sp. | 1 <i>Strepera crissalis</i> . |
| 26 <i>Hemirhamphus intermedius</i> . | 5 <i>Rannina dentata</i> . |
| 36 " <i>regularis</i> . | 9 <i>Belone ferox</i> . |
| 1 <i>Labrichthys</i> sp. | 1 <i>Heathen</i> god. |
| 1 <i>Chironemus</i> sp. | 1 <i>Chiloscyllium furvum</i> . |
| 4 <i>Synaptura nigra</i> . | 1 <i>Aracana lenticularis</i> . |
| 1 <i>Arnoglossus</i> sp. | 1 <i>Histiogaster recurvirostris</i> . |
| 1 <i>Scylla serrata</i> . | 1 <i>Ninox</i> sp. |
| 5 <i>Neptunus pelagicus</i> . | 1 <i>Malurus elegans</i> . |
| 1 <i>Saurus myops</i> . | 1 " <i>splendens</i> . |
| 1 <i>Cyclopsitta diophthalma</i> . | Small Collection of Recent and Fossil Shells. |
| 1 <i>Ceyx solitaria</i> . | 1 <i>Astacopsis</i> sp. |
| 2 <i>Todopsis wallacei</i> . | 1 Coll. of Coleoptera (100 selected specimens). |
| 1 " <i>cyanoccephala</i> . | 2 <i>Aulopus purpurissatus</i> . |
| 1 <i>Arses</i> sp. | 1 <i>Trigla polyommata</i> . |
| 1 <i>Platyercus eximius</i> , var. | Samples of Tin Ore—chiefly Crystals. |
| 1 <i>Phascogale</i> sp. | 1 <i>Chrysophrys sarba</i> . |
| 1 <i>Platyercus spurius</i> . | 1 <i>Girella simplex</i> . |
| 1 <i>Anellobia lunulata</i> . | 1 <i>Casarea tadornoides</i> . |
| 3 <i>Meliornis sericea</i> . | 2 <i>Nettapus albipennis</i> . |
| 2 <i>Eopsaltria capito</i> . | 2 <i>Fulica australis</i> . |
| 2 " <i>chrysorrhous</i> . | 12 <i>Mugil peronii</i> . |
| 1 <i>Myzantha melanophrys</i> . | 2 <i>Scorpaena cardinalis</i> . |
| 1 <i>Pachycephala glaucura</i> . | 1 <i>Platycephalus fuscus</i> . |
| 1 <i>Cuculus insperatus</i> . | 1 <i>Aulopus purpurissatus</i> . |
| 1 <i>Barracoota, Thyrsites atun</i> . | 1 <i>Mytilus latus</i> . |
| 1 <i>Synoicus australis</i> . | 4 <i>Spatula rhynchotis</i> . |
| 1 <i>Pygopus</i> sp. | 2 <i>Nyroca australis</i> . |
| 2 <i>Hoplocephalus</i> sp. | 4 <i>Clupea</i> sp. |
| 1 <i>Typhlops</i> sp. | 1 <i>Beryx affinis</i> . |
| 9 <i>Astacopsis</i> . | 1 <i>Platyercus eximius</i> . |
| 12 <i>Mugil grandis</i> . | 1 <i>Trichoglossus multicolor</i> . |
| 1 <i>Aulopus purpurissatus</i> . | 1 <i>Halcyon pyrrhopygia</i> . |
| 2 <i>Beryx affinis</i> . | 1 <i>Erythrogenys cinctus</i> . |
| 1 <i>Chrysophrys australis</i> . | 1 <i>Oreocia gutturalis</i> . |
| 1 <i>Platycephalus fuscus</i> . | 1 <i>Artamus personatus</i> . |
| 1 <i>Aulopus purpurissatus</i> . | 1 <i>Myzantha flavigula</i> . |
| 2 <i>Acanthorhynchus superciliosus</i> . | 1 <i>Ptilotis pennicillatus</i> . |
| 1 <i>Myzomela obscura</i> . | 1 <i>Cyclopsitta</i> sp. |
| 2 <i>Sittella leucocephala</i> . | 1 <i>Ptilopus iozonus</i> . |
| 3 <i>Malurus melanoccephalus</i> . | 1 <i>Haplodactylus</i> . |
| 1 <i>Acanthiza reguloides</i> . | 1 <i>Serranus ocellata</i> . |
| 1 <i>Gerygone fusca</i> . | 2 <i>Lates</i> sp. |
| 1 <i>Ptilotis ornatus</i> . | 1 <i>Platycephalus fuscus</i> . |
| 1 <i>Atrichia rufescens</i> . | 1 <i>Rhinobatus granulatus</i> . |
| 1 <i>Monarchella saxicolina</i> . | 1 <i>Morelia spilotes</i> . |
| 1 <i>Chilodactylus</i> sp. | 1 <i>Vermicella annulata</i> . |
| 1 <i>Saurus</i> sp. | 1 <i>Ptilotis vittata</i> . |
| 2 <i>Cossyphus</i> sp. | 1 <i>Glyciphila albifrons</i> . |
| 1 " " | 1 <i>Ptenodius rufescens</i> . |
| 1 <i>Atypichthys strigatus</i> . | 1 <i>Sphenacrus gramineus</i> . |
| 1 <i>Apogon</i> sp. | Collection of Birds—21 species, 40 specimens. |
| 1 <i>Falco melanogenys</i> . | 1 <i>Medallion of Cuvier</i> . |
| 1 Egg of <i>Rallus pœcilopectus</i> . | |

From Baron Maclay.

2 *Dyphillodes chrysoptera*.2 *Dasyptilus pesquetii*.

From Mr. Charles Blake.

10 specimens of Gold on Opal and Mica schist.

From Mr. Latham.

1 Luth, *Dermatochelys coreacea*.

From Mr. Thompson.

5 *Podiceps cristatus*.2 *Stringops habroptilus*.

From E. Vickery & Co.

- 11 Clubs.
 25 Clubs.
 5 King Clubs, flat-headed (carved).
 4 Throwing Clubs.
 5 Long Staves.
 2 Club-like Walking-sticks.
 9 Large Spears.
 2 Pillows or head-rests.
 1 Wooden Dish for oil.
 1 Kava Dish.
 3 Spirit "Bures" of Coir (cocoa-nut fibre).
 3 Women's Sulu.
 5 Large Fans.
 2 Necklaces of Whales' Teeth.

- 1 Model of a Double Canoe.
 3 Clubs.
 1 Bow and 4 Arrows.
 5 Earthenware Vessels.
 1 Gourd.
 2 Oil-dishes.
 1 Food-hanger.
 1 Stone Adze.
 1 Wooden Adze.
 2 Caulking Tools for canoe.
 3 Tapa-beaters.
 2 Spears.
 5 pieces Pottery of red Earthenware.
 1 piece of Iron Ore.

From

From Mr. Ward.

1 *Pentacrinus, caput-medusæ*.

From G. Warrington.

1 *Voluta magnifica*.
1 *Belone ferox*.

2 *Voluta magnifica*.

From Mr. Ellis.

1 Greenstone Adze (Nephrite).

8 specimens of Gold-bearing Quartz.

From T. Stephenson.

1 small Greenstone Adze (Nephrite).

From Mr. Goodwin.

1 Lynx (American).
1 Panther.
1 Native Cat (South American).

1 Prairie Dog.
2 Anser rossii.
Collection of Birds—12 species, 20 specimens.

From Mr. Cole.

4 Skulls of Aborigines.

From Mrs. W. E. Armit.

10 Spears.
45 Spears (barbed and ornamented).
3 Yam-sticks.
2 flat-pointed Spears.
5 long Spears.
7 Fish Spears.
3 Shields of *Erythrina* wood.
9 Throwing Sticks.
12 Knives of hoop iron.
7 Hatchets of horse-shoe iron.
5 Glass Knives.
4 Stone-bruisers.
5 Stone Axe-heads.
1 Chisel made from an iron bolt.
1 Pouch Belt and pipe.
Native Beeswax.
1 Case of Needles of Bone.
White earth for painting.
Fire-sticks, &c.
Needles, Tools, &c.
2 Bone Needles.
Kangaroo Fibulae.
1 Knife or Saw.
1 Flint-bladed Knife.
1 Hatchet Head of Iron.
1 do. of Bell-metal.

1 Hoop-iron Knife.
2 Knives.
Beeswax.
2 Meshers.
Spear points.
Water Basket of palm leaves.
2 Rush Bags.
1 Club of Hardwood.
1 Water Bucket.
3 Necklaces.
4 Armlets.
4 Dresses and Women's Girdles.
6 Girdles.
21 do. of Hair and String, &c.
Beeswax and Shells.
Scraper for cleaning Skins.
Echidna spines (needles).
12 Dilly Bags, containing sundries.
1 Headband of Kangaroo hair.
5 Necklaces of rush beads.
Human hair Cordage.
Feathers for head ornaments.
String of Opossum fur.
Flints, Paints, &c.
Grass for fibre.
1 Fish Spear.

From Mr. Francis.

Collection of specimens of Gold in Quartz.
1 Carved Boomerang.
1 Dilly Bag with grass.
1 Feather Ornament.

26 Spears.
1 Club.
1 *Holacanthus du Bouleyi*

From Mr. John Stephens.

100 Stone Axes of various sizes.
7 *Aster albigularis*.
1 *Baza gurneyi*.
1 *Ianthœnas philippinæ*.
5 *Globicera rutigula*.
2 *Carpophaga pristitaria*.
2 do. *brenchleyi*.
3 *Ptilopus johannis*.
1 do. *eugenie*.
4 do. *richardsii*.
3 *Megapodius brenchleyi*.
1 *Halcyon salomonis*.
1 do. *sanctus*.
2 *Calornis metalica*.
1 *Pachycephala christopherei*.
2 *Philemon sclateri*.
14 *Lorius cardinalis*.
10 do. *chlorocercus*.
2 *Charmosyna margarethæ*.
1 *Nasiterna finschi*.
1 *Tringoides hypoleucus*.
1 *Lorius cardinalis*.

2 *Ptilopus eugenie*.
4 do. *johannis*.
1 do. *richardsii*.
1 *Pionias heteroclitus*.
1 *Halcyon salomonis*.
1 *Calornis* sp.
3 *Philemon sclateri*.
1 *Cuculus* sp.
4 *Pachycephala christopherei*.
1 *Piezorhynchus vidua*.
7 Bats.
2 large Frogs.
20 *Dules* sp.
1 *Anguilla* sp.
1 *Solea pavoninus*.
6 *Ophiocephalus*.
1 *Novacula*.
1 *Emydocephalus*.
1 *Chlorosartes*.
2 *Birgus latro*.
1 *Penæus*.
1 *Pteropus* sp.

Through Dr. Cox.

1 Fish, *Lepidopus caudatus*.

From Mr. Taunton.

1 *Halicore dugong, fœtus*.

From Mr. Emerson.

Collection of Oysters.

From a Miner.

A piece of Native Copper.

From Mr. Cockerell, senior.

2 *Halcyon sordidus*.
10 *Ptilotis fasciolaris*.

14 *Eopsaltria chrysorhous*.
1 *Hydrochelidon fluviatilis*.

From

Models of Cephalopoda.

From Dr. Krantz.

General Collection of Fossils, chiefly European, illustrative of the different Ages and Rocks.

From Mr. Fric.

Teaching Collection, Educational course, specimens from lowest to highest orders.

From Dr. Blankenhorn.

Series exhibiting the development and ravages of the vine insect, *Phylloxera*.

From Mr. Ward.

Collection of American Rocks and Minerals, New York system.

From Mr. ———, through the Government Geologist.

Collection of Tin Ores, chiefly crystals, Australian drifts.

From Miss Pratt.

1 *Casuarium beccarii* from New Guinea.

From Mr. Soltan.

Gems (Moonstones, &c.).

From Mrs. Farrell.

Ethnological Collection.

6 Stone-headed round Clubs.
3 Wooden Clubs.
9 Lances.
16 Spears.
3 Obsidian-headed Lances.
7 Bows.
187 Arrows.
2 Club Ornaments.
2 Baskets of Cane.
2 Hats of Palm Leaves.

2 Bags.
1 Head-dress.
7 Clay Pipes.
1 Fishing-hook.
Native Money of Porpoise teeth.
1 Wooden Food-mixer.
7 Lime Gourds.
1 Cocoa-nut Water Bottle.
3 Eggs of *Casuarium bennettii*.

Through the Hon. Wm. Macleay, M.L.C.

A Collection of Fish from New Guinea.

APPENDIX X.

LIST OF SPECIMENS COLLECTED BY THE MUSEUM EMPLOYEES

By K. Broadbent.

Collection of Birds :—42 species—70 specimens.

Collection of Fossil Bones.

115 specimens of bones of Kangaroos.
31 specimens of bones of *Diprotodon*.
1 portion of lower jaw of *Nototherium*.
2 lower jaws of Wombat.
1 tibia of a Bird.

4 vertebrae of a Crocodile.
1 lower jaw of *Procoptodon*.
Numerous fragments of water-worn bones and fossil wood.

Mollusca :—A shell. (dead *Helix*.)

Eggs of Birds :—3 eggs of *Mirafrapa horsfieldii*.

Collection of Mammals :—9 species—26 specimens.

By A. Morton (Assistant Taxidermist).

(At the Solomon Islands.)

Collection of Mammals :—4 species—25 specimens.

Collection of Fishes :—66 species—203 specimens.

Collection of Reptiles :—8 species—18 specimens.

A Batrachian :—1 species—1 specimen.

Collection of Arachnida :—3 species—3 specimens.

Collection of Echinodermata :—8 species—14 specimens.

Collection of Birds :—59 species—167 specimens.

Collection of Skulls (Aborigines) :—17 specimens.

Collection of Ethnological Specimens :—13 specimens.

Collection of Minerals :—6 specimens.

Collection of Crustacea :—1 species—1 specimen.

Collection of Mollusca :—26 species of land, and 20 sp. fresh water, in all about 500 specimens.

By J. A. Thorpe (Taxidermist).

Collection of Birds :—38 species—80 specimens.

By J. Wintle.

Collection of Birds :—32 species—55 specimens.

Collection of Mammals :—5 species—8 specimens.

Human Remains of 4 individuals.

List of Mollusca dredged off Point Piper, Rose Bay, Shark Point, Vacluse, Green Point, and
Watson's Bay.

Gasteropoda.

	Specimens.		Specimens.
1. <i>Murex territus</i> , Reeve	1	39. <i>Clathurella pustulata</i> , Ang. ; young	1
2. <i>Urosalpinx Hanleyi</i> , Angas ; 2 dead	6	40. " <i>bilineata</i> , Ang. ; dead	22
3. " <i>Tritoniformis</i> , Blau. ; dead	2	41. " <i>rufosonata</i> , Ang. ; dead	2
4. <i>Triton fusiformis</i> , Kiener	2	42. <i>Pellicaria scutulata</i> , Mart. ; young	1
5. <i>Zemira Australis</i> , Sowb. ; dead	1	43. <i>Bittium granarium</i> , Kiener ; dead	1
6. <i>Nassa intermedia</i> , Dunk. ; 1 dead	6	44. " <i>sp. (?)</i> 22 dead	28
7. <i>Nassa Jacksoniana</i> , Kiener ; 9 dead	10	45. <i>Alaba phasianella</i> , Ang. ; 13 dead	41
8. " <i>rufocincta</i> , A. Ad. ; dead	6	46. <i>Rissoina Angasi</i> , Pease ; dead	1
9. <i>Neritula lucida</i> , Ad. & Ang. ; dead	6	47. " <i>nivea (?)</i> Ad. ; dead	4
10. <i>Olivella nympha</i> , Ad. & Ang.	3	48. <i>Alvania Novarensis</i> , Frau. ; 3 live	17
11. <i>Amalda oblonga</i> , Sowb.	2	49. <i>Trochita calyptraefarmis</i> , Lam.	1
12. <i>Mitra nigra</i> , Chem. ; dead	1	50. <i>Conchilepas antiquata</i> , Linn. ; dead	1
13. " <i>badia (?)</i> Reeve ; dead	1	51. <i>Capulus violaceus</i> Ang., <i>white Var</i> ; dead	1
14. " <i>Strangei</i> , Ang. ; dead	1	52. <i>Neritina Souverbiana</i> , Montr. ; dead	7
15. <i>Columbella versicolor</i> , Sowb. ; dead	1	53. <i>Eutropia rosea</i> , Ang. ; 1 dead	12
16. " <i>Australis</i> , Gask. ; dead	1	54. <i>Liotia clathrata</i> , Reeve ; dead	1
17. " <i>Lincolniensis</i> , Reeve ; dead	2	55. " <i>speciosa</i> , Ang. ; dead	5
18. " <i>albomaculata</i> , Ang. ; dead	5	56. <i>Clanculus clanguloides</i> , Ang. ; dead	2
19. " <i>bicincta</i> , Ang. ; 3 dead	7	57. <i>Euchelus scabriusculus</i> , Ad. & Ang.	8
20. " <i>Angasi</i> , Brazier ; 1 broken	3	58. <i>Thalotia zebrides</i> , Ad. ; 4 dead	8
21. " <i>Smithi</i> , Ang. ; dead	5	59. <i>Elenchus leucostigma</i> , Menke ; dead	1
22. " <i>speciosa</i> , Ang. ; dead	7	60. <i>Minolia vitiliginea</i> , Menke ; dead	9
23. <i>Esopus filiosus</i> , Ang. ; 1 dead	3	61. " <i>angulata</i> , Ad.	5
24. <i>Marginella attenuata</i> , Reeve ; dead	34	62. <i>Gibbula Strangei</i> , Ad. ; dead	3
25. " <i>Metcalfi</i> , Ang. ; dead	5	63. <i>Gena strigosa</i> , Ad. ; 7 living	11
26. <i>Naticina nitida</i> , Reeve ; dead	1	64. <i>Lucapina Incei</i> , Reeve	2
27. <i>Cassia pyrum</i> , Lam. ; dead	1	65. <i>Tugalia intermedia</i> , Reeve ; 1 live	3
28. <i>Scala Philippinarum</i> , Sowb. ; 12 dead	13	66. <i>Buccinulus affinis</i> , Ad. ; 22 dead	40
29. " <i>Jukesiana</i> , Forb. ; dead	1	67. " <i>niveus</i> , Ang.	1
30. <i>Crossea concinna</i> , Ang. ; dead	12	68. <i>Myonia sinuata</i> , Ang. ; dead	1
31. <i>Cingulina spina</i> , Crosse ; dead	1	69. <i>Ringicula areolata</i> , Gld. ; dead	13
32. <i>Mathilda elegantula</i> , Ang.	2	70. <i>Bullina lineata</i> , Woods	1
33. <i>Drillia Oweni</i> , Gray	3	71. <i>Cylichna arachis</i> , Quoy ; 1 dead	4
34. " <i>Metcalfi</i> , Ang.	14	72. " <i>pygmaea</i> , Ad. ; dead	23
35. " <i>Coxi</i> , Ang. ; dead	5	73. <i>Volvula rostrata</i> , Ad. ; 4 dead	6
36. " <i>Beraudiana</i> , Crosse ; 3 dead	4	74. <i>Bulla oblonga</i> , Ad. ; 3 dead	7
37. " <i>Angasi</i> , Crosse ; dead	1	75. <i>Philine Angasi</i> , Crosse	1
38. <i>Clathurella bicolor</i> , Ang.	1		

Conchifera.

76. <i>Solen Sloani</i> , Gray	1	95. <i>Chione Larmarckii</i> , Gray ; dead valve	1
77. <i>Saxicava arctica</i> , Linn	7	96. " <i>roborata</i> , Hanley	1
78. <i>Corbula tunicata</i> , Hinds ; 1 dead	12	97. " <i>sp. (?)</i>	5
79. " <i>Smithiana</i> , Brazier	1	98. <i>Circe scripta</i> , Linn.	2
80. <i>Anatina crecinea</i> , Val. ; broken with dredge	2	99. <i>Tapes turgida</i> , Desh.	1
81. " <i>prolongata</i> , Reeve	1	100. " <i>flabagella</i> , Desh.	4
82. <i>Thracia Jacksoniana</i> , Smith ; valve	1	101. <i>Cardium pulchellum</i>	3
83. <i>Neera rugata</i> , Ad. ; valves	2	102. <i>Gouldia</i> , sp. (?)	33
84. <i>Myodora brevis</i> , Stutch	1	103. <i>Cardita</i> , sp. (?)	2
85. <i>Trigonella pusilla</i> , Ad.	1	104. " <i>sp. (?)</i>	21
86. <i>Lutraria dissimilis</i> , Desh. ; valve	1	105. <i>Mytilicardia excavata</i> , Desh. ..	2
87. <i>Standella ovalina</i> , Lam.	1	106. <i>Modiola Australis</i> , Gray ; young	5
88. <i>Gari Menckena</i> , Reeve	1	107. <i>Modiolaria strigata</i> , Han.	1,112
89. <i>Tellina subelleptica</i> , Sowb. (purple)	31	108. <i>Volsella</i> , sp. (?) ; 1 broken in dredge	5
90. <i>Tellina subelleptica</i> , Sowb. (yellow var.)	11	109. <i>Barbatia fasciata</i> , Reeve	1
91. <i>Tellina subelleptica</i> (white var.)	28	110. <i>Pecten asperrimus</i> (?)	4
92. " <i>Tenuilrata</i> , Sowb.	19	112. <i>Radula Orientalis</i> , Ad. & Reeve	1
93. " " (pink var.)	2	113. " <i>Strangei</i> , Ad.	1
94. <i>Chione striatissima</i> , Sowb.	1		

DREDGED off Ball's Head, Port Jackson.

Gasteropoda.

1. <i>Murex palmiferus</i> , Sowb. ; living	2	12. <i>Trivia Australis</i> , Lam. ; dead	1
2. <i>Tritonidea unicolor</i> , Ang. ; dead	1	13. <i>Bittium granarium</i> , Keiner, dead	1
3. " <i>Australis</i> , Pease ; dead	1	14. <i>Lampania Australis</i> , Quoy. ; dead	1
4. <i>Trophon Hanleyi</i> , Ang. ; living	2	15. <i>Vermetus Sp. (?)</i> living	50
5. <i>Nassa rufocincta</i> , A. Ad. ; 6 dead	7	16. <i>Thylacodes decussatus</i> , Gmel. ; dead	2
6. <i>Volva magnifica</i> , Chem., young shell ; dead	1	17. <i>Trochita calyptraefarmis</i> , Lam. ; living	8
7. <i>Mitra Strangei</i> , Ang. ; dead	1	18. <i>Crypta aculeata</i> , Lam. ; living	8
8. <i>Columbella Australis</i> , Gask. ; 2 dead	6	19. <i>Euchelus baccatus</i> , Menke ; 3 dead	4
9. <i>Scala Philippinarum</i> , Sowb. ; dead	1	20. " <i>scabriusculus</i> , A. Ad. ; dead	2
10. <i>Crossea concinna</i> , Ang. ; dead	7	21. <i>Philine Angasi</i> , Crosse ; 1 dead	2
11. <i>Mangelia Letourneauxiana</i> , Crosse ; dead	1		

Conchifera.

22. <i>Cultellus Australis</i> , Dunk. ; dead	1	35. <i>Kellia rotunda</i> , Desh. ; living	1
23. <i>Saxicava arctica</i> , Linn. ; living	2	36. <i>Mytilicardia excavata</i> , Desh. ; living	2
24. <i>Corbula tunicata</i> , Hinds ; living	24	37. <i>Mytilus hirsutus</i> , Lam. ; living	48
25. " <i>Smithiana</i> , Brazier ; living	4	38. <i>Modiolaria strigata</i> , Hanley ; living	350
26. <i>Thracia Jacksoniana</i> (?) Smith ; dead valve	1	39. <i>Volsella glaberrima</i> , Dunker ; living	25
27. <i>Spisula producta</i> , Ang. ; living	1	40. <i>Trigonia Larmarckii</i> , Gray ; dead valve	1
28. <i>Tellina lilium</i> , Hanley ; living	1	41. <i>Anomalocardia trapezia</i> , Desh. ; living	2
29. " <i>Ticaonica</i> , Desh. ; living	3	42. <i>Nucula Strangei</i> , A. Ad. ; dead	3
30. <i>Venus laqueata</i> , Sowb. ; large specimen, dead ..	2	43. <i>Leda Dohrni</i> , Hanley ; dead	1
31. <i>Dosinia sculpta</i> , Reeve ; dead valve	1	44. <i>Pecten tegula</i> , Wood ; living	4
32. <i>Tapes inflata</i> , Desh. ; one dead	3	45. <i>Radula Strangei</i> , A. Ad. ; 4 dead valves	7
33. " <i>turgida</i> , Lam. ; young	1	46. <i>Waldheimia flavescens</i> , Lam. ; living	2
34. <i>Mysia sphaericula</i> , Desh. ; living	1		

DREDGED

DREDGED in the mouth of Lane Cove River.

Conchifera.

	Specimens.		Specimens.
1. <i>Corbula tunicata</i> , Hinds; living	2	3. <i>Tapes undulata</i> , Born; living	7
2. <i>Chione calophylla</i> , Hanley; 1 dead	8		

List of Shells dredged at Sydney Heads.

1. <i>Murex territus</i>	1	18. <i>Marginella attenuata</i>	1
2. <i>Nassa pauperata</i>	3	19. <i>Vermetus</i> —sp. (?)	1
3. <i>Buccinulus affinis</i>	4	20. <i>Humphreyia Strangei</i>	1
4. <i>Cylichna arachis</i>	2	21. <i>Circe scripta</i>	1
5. <i>Bulla oblonga</i>	2	22. <i>Callista rutila</i>	2
6. <i>Drillia Oweni</i>	1	23. <i>Dosinia sculpta</i>	1
7. <i>Amalda oblonga</i>	2	24. <i>Perna Australis</i>	1
8. <i>Gena strigosa</i>	14	25. <i>Pecten tegula</i>	1
9. <i>Natica Lamarckii</i>	1	26. <i>Tellina tenuilirata</i>	1
10. <i>Cassia achatina</i>	1	27. <i>Chione striatissima</i>	1
11. <i>Cancellaria granosa</i>	1	28. " <i>Australis</i>	2
12. <i>Adamsia typica</i>	1	29. <i>Tellina subelliptica</i>	1
13. <i>Tugalia intermedia</i>	1	30. <i>Lithodomus barbatus</i>	1
14. <i>Naticina nitida</i>	1	31. <i>Tapes fabagella</i>	1
15. <i>Thalotia zebroides</i>	2	32. <i>Lima multicostata</i>	1
16. <i>Bittium granarium</i>	1		
17. <i>Columbella Lincolniensis</i>	1		56

List of Shells dredged off Shark Bay, Port Jackson.

1. <i>Bulla oblonga</i>	2	15. <i>Corbula Smithiana</i> , Braz	1
2. <i>Cylichna arachis</i>	2	16. <i>Crenella strigata</i>	14
3. <i>Buccinulus affinis</i>	4	17. <i>Perna Australis</i>	2
4. <i>Nassa suturalis</i> , Var.	4	18. <i>Chione striatissima</i>	6
5. <i>Trophon Hanleyi</i>	1	19. <i>Dosinia scabriuscula</i>	1
6. <i>Natica Lamarckii</i>	1	20. <i>Tellina subelliptica</i>	2
7. <i>Uvanilla tentoriiformis</i>	1	21. <i>Gari Menkeana</i>	1
8. <i>Clanculus gibbosus</i>	1	22. <i>Pecten tegula</i>	1
9. " <i>clanculus</i>	1	23. <i>Modiola arborescens</i> , Very rare	$\frac{1}{2}$
10. <i>Gena strigosa</i>	1	24. <i>Saxacava arctica</i>	5
11. <i>Tugalia intermedia</i>	2	25. <i>Waldheimia flavescens</i> , on portion of valve of <i>Lucina rugifera</i>	1
12. <i>Tornatina Hofmani</i>	1		
13. <i>Trigonia Lamarckii</i>	5		61½
14. <i>Corbula tunicata</i> , Hinds	1		

APPENDIX XI.

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

Mammals.

7 Seals, <i>Zalophus cinereus</i> .	1 Dog, from New Guinea.
1 Javanese deer, <i>Tragulus javanicus</i> .	1 Group of Seals, <i>Zalophus</i> .
1 Seal, <i>Zalophus cinereus</i> .	Skin of Mongouse.
1 <i>Peragalea lagotis</i> .	A Mongouse.
1 <i>Halmaturus</i> sp.	1 American Wild Cat, <i>Chaus</i> sp.
1 Tapir (juv.), <i>Tapirus terrestris</i> .	A Monkey, <i>Cercopithecus</i> sp.
1 <i>Halmaturus dorsalis</i> .	A Wallaby, <i>Halmaturus crassipes</i> .
1 Marmot, <i>Arctomys monax</i> .	1 Lynx, <i>Felis lynx</i> .
1 Lemur sp.	1 Puma, <i>Felis concolor</i> .
2 Lemurs from Madagascar.	1 Coyote or Prairie Dog.
1 Bandicoot, <i>Perameles nasuta</i> .	1 Canada Lynx, <i>Felis canadensis</i> .
1 <i>Phascogale pennicillatus</i> .	1 Monkey.
1 <i>Halmaturus ualabatus</i> .	1 Flying Fox, <i>Pteropus</i> sp.
1 <i>Mus decumanus</i> , albino.	2 Seals, <i>Zalophus cinereus</i> .
4 <i>Halmaturus papuensis</i> .	1 Albino Pademelon, <i>Halmaturus thetidis</i> .

Birds.

A Penguin, <i>Eudyptula minor</i> .	2 <i>Dyphyllodes chrysoptera</i> .
An Ostrich, <i>Struthio camelus</i> .	2 <i>Dasyptilus pesquetii</i> .
1 <i>Hieracidea orientalis</i> .	1 Finch (<i>Estrilda</i> sp.)
4 <i>Ocyphaps lophotes</i> .	8 Small Birds.
1 Penguin, <i>Eudyptula minor</i> .	1 <i>Falcunculus frontatus</i> .
4 Birds.	15 Birds.
5 " (skins remade).	5 <i>Podiceps australis</i> .
Group of 2 <i>Ephthianura aurifrons</i> with nest.	2 <i>Stringops habroptilus</i> .
1 <i>Donacicola spectabilis</i> .	1 <i>Falco frontatus</i> .
1 <i>Falco</i> sp.	2 <i>Donacicola</i> sp.
1 <i>Donacicola</i> sp.	1 <i>Cacatua galerita</i> .
1 <i>Stercorarius antarctica</i> .	1 Macaw, <i>Ara aracana</i> .
1 <i>Brenta</i> sp.	2 <i>Climacteris picumnus</i> .
1 <i>Micropterus cinereus</i> .	2 <i>Chthonicola sagittata</i> .
1 <i>Pandion leucocephalus</i> .	5 <i>Pardalotus punctatus</i> .
1 <i>Herodias pacifica</i> .	2 <i>Rhipidura albiscapa</i> .
1 <i>Donacicola castaneothorax</i> .	4 <i>Sittella pileata</i> .
1 <i>Pyrhula vulgaris</i> .	2 <i>Myzomela nigra</i> .
1 <i>Phaeton phoenicurus</i> .	4 <i>Pomatorhinus temporalis</i> .
2 <i>Bernicla poliocephala</i> .	2 <i>Petroica superciliosa</i> .
1 <i>Micropterus cinerea</i> .	2 <i>Sittella leucocephala</i> .
1 <i>Ardea novae-hollandiae</i> .	2 <i>Gerygone olbogularis</i> .
1 <i>Lobivanelus lobatus</i> .	2 <i>Pomatorhinus ruficeps</i> .
2 Terns, <i>Onychoprion fuliginosa</i> .	4 " <i>superciliosa</i> .

Birds—continued.

1 Finch, <i>Donacicola spectabilis</i> .	2 Flycatchers.
1 <i>Oreocincla lunulata</i> .	3 <i>Fosterops strenua</i> .
7 <i>Calipepla californica</i> .	Group of Lyre Birds.
2 <i>Nettapus albigularis</i> .	Group of Regent, Rifle, and Bower Birds.
2 Coots, <i>Fulica australis</i> .	2 <i>Myzomela</i> .
1 <i>Ninox boobook</i> .	1 <i>Platycercus eximius</i> .
1 <i>Grus australasianus</i> .	1 <i>Trichoglossus multicolor</i> .
1 Duck (<i>Dendrocygna vagans</i>).	1 <i>Psittacus erythacus</i> .
1 <i>Calyptorhynchus funereus</i> .	7 <i>Calipepla californica</i> .
1 <i>Callocephalon galleatum</i> .	1 <i>Myiagra</i> sp.
Group of 3 <i>Malurus splendens</i> .	4 <i>Piezorhynchus vidua</i> .
2 <i>Malurus elegans</i> .	4 <i>Rhipidura rubrofrontata</i> .
2 <i>Turacena crassirostris</i> .	2 <i>Myzomela pulcherrima</i> .
2 <i>Halcyon</i> sp.	1 <i>Ninox boobook</i> .
1 Parrot. <i>Psittacus erythacus</i> .	25 Birds.
6 Ducks. (<i>Nyroca australis</i>).	2 <i>Anser rossii</i> .
2 Flycatchers.	1 Stilt, <i>Himantopus leucocephalus</i> .
1 Pigeon <i>Ptilopus</i> .	26 Birds (skinned).
1 <i>Myzomela pulcherrima</i> .	48 "
3 <i>Monarcha ugiensis</i> .	2 "
5 Flycatchers.	8 Birds (remade).
1 <i>Calornis</i> .	1 Black Cockatoo, <i>Calyptorhynchus funereus</i> .
1 <i>Monarcha</i> .	An Owl. <i>Athene boobook</i> .
1 <i>Myzomela pulcherrima</i> .	9 Birds (spirit specimens).

Fishes.

1 <i>Cossyphus</i> sp.	1 <i>Trigla kumu</i> .
1 <i>Heterodontus galeatus</i> .	1 <i>Histiogaster recurvirostris</i> .
1 <i>Aracana leucularis</i> .	A Flying Gurnard, <i>Trigla polyomata</i> .
1 <i>Gempilus serpens</i> .	1 <i>Platycephalus fuscus</i> .
1 <i>Chrysophrys sarba</i> .	1 <i>Chrysophrys sarba</i> .
1 <i>Callorhynchus antarcticus</i> .	1 <i>Crossorhynchus barbatus</i> .
1 Gold Carp. <i>Cyprinus auratus</i> .	1 Large Eel. <i>Murensox cinerea</i> .
1 <i>Lethrinus</i> sp.	1 <i>Anopus purpurissatus</i> .
1 <i>Saurus myops</i> .	1 Black fish, <i>Gerella simplex</i> .
1 <i>Monacanthus tomentosus</i> .	1 Shark, <i>Ginglymostoma</i> sp.
1 <i>Lethrinus (chrysostomus?)</i> .	1 Large Eel. <i>Murensox cinerea</i> .
1 <i>Neonanthias guntheri</i> .	1 Large Ray. <i>Trygon pastinaca</i> .

Reptiles.

1 Large Luth. <i>Dermatocheilus coriaceus</i> .	1 Crocodile, <i>Crocodylus biporcatus</i> .
1 Small Crocodile, <i>Crocodylus biporcatus</i> .	

Crustacea :—1 Large *Squilla serrata*.

Skeletons.

1 Giant Petrel. <i>Ossifraga gigantea</i>]	Numerous skeletons cleaned and stored.
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Casts and Moulds.

22 Moulds of remains of Fossil Animals.	10 Casts of Greenstone Tikis.
3 Casts of <i>Epiornis</i> Egg from Madagascar.	6 Moulds of "
2 Casts of Tasmanian skulls.	2 Casts and 1 mould of <i>Moa sternum</i> .
1 Skull of a Gorilla.	Pelvis of <i>Doprotodon</i> (restored).
1 Lower jaw of do.	Mould of Cave Bear's head.
20 Casts from moulds obtained in Melbourne.	2 " " lower jaw.
1 Mould of human skull.	2 " " of large Tiki.
3 Skulls of Australian natives.	2 " small "
1 Greenstone Tiki.	6 Casts from the Tikis.
1 Stone club head.	

Photographs.

3 Negatives of Fish.	2 Negatives of <i>Neonanthias guntheri</i> .
1 " of Australian native.	10 Negatives—Geological subjects.
3 Prints of New Guinea native boy.	20 Prints "
4 " of <i>Doprotodon</i> Pelvis (restored).	15 " of Wellington Caves.
2 Negatives of "	23 " "
2 Prints of <i>Lethrinus</i> sp.	21 " " (mounted)]
1 Negative "	

APPENDIX XII.

LIST OF SPECIMENS OBTAINED DURING THE DREDGING EXCURSION TO PORT STEPHENS,
NOVEMBER, 1880.

A. VERTEBRATA.

Mammals.

Aretocephalus cinereus. One adult; 15 young from the Seal Rocks and adjacent coast.
1 *Delphinus* species.

One specimen, about 6 feet in length, harpooned off Seal Rocks.

Birds.

2 Eggs of *Nycticorax caledonicus*, from island in Port Stephens.

Fishes.

Percidae—*Arripis salar*. *Therapon cuvieri*.

Sparidae—*Girella tricuspidata*. *Chrysophrys sarba*, Forsk. *Chrysophrys australis*, G. T. H.

Sciaenidae—*Otolithus taraglin*, MacL.

Carangidae—*Temnodon saltator*, Blh. *Caranx georgianus*, Cuv. et Val.

Trachinidae—*Sillago ciliata*.

Mugilidae—*Mugil dobula*, G. T. H.

NOTE.—The small forms brought up in the dredge have not yet been worked out.

B. INVERTEBRATA.

Crustacea.

<i>Achæus lacertosus</i> , Hasw., Nelson's Bay	<i>Melita australis</i> , Hasw., Port Stephens
<i>Oncinopus subpellucidus</i> , Stimps., Nelson's Bay	<i>Atylus monoculoides</i> , " "
<i>Microhalimus deflexifrons</i> , Hasw., " "	<i>Harmonia crassipes</i> , " "
<i>Huena bifurcata</i> , Streets, " "	<i>Moera Ramsayi</i> , " "
<i>Paramithrax spatulifer</i> , Hasw. (new sp.), Nelson's Bay	<i>Moera rubro-maculata</i> , Stimps.
<i>Hyastenus diacanthus</i> , De Haan., Broughton Islands	<i>Megamoera subcarinata</i> , " "
<i>Micippa spinosa</i> , Stimps., Nelson's Bay	<i>Amphithoe</i> sp. n.
<i>Tiarinia elegans</i> , Hasw. (new sp.), Broughton Islands	<i>Amphithoe</i> sp. (?)
<i>Actæa granulata</i> , Aud., Port Stephens	<i>Colomastix Brazieri</i> , Hasw., Broughton Islands
<i>Actæa peronii</i> , M.—Edw., " "	<i>Cyrtophium dentatum</i> , Hasw., " "
<i>Chlorodopsis areolatus</i> , M.—Edw., Port Stephens	<i>Cyrtophium hystrix</i> , " "
<i>Pilumnus rufopunctatus</i> , Stimps., " "	<i>Cyrtophium parasiticum</i> , " "
<i>Pilumnus vestitus</i> , Hasw., " "	<i>Icilius australis</i> , " "
<i>Pilumnopeus serratifrons</i> , Kinahan, " "	<i>Xenocheira fasciata</i> , " Port Stephens.
<i>Hexapus sexpes</i> , Fabr., " "	<i>Iphimedia ambigua</i> , " "
<i>Thalamita sima</i> , M.—Edw., " "	<i>Megamoera</i> n. sp. " "
<i>Hymenosoma varium</i> , Dana, " "	<i>Anonyx</i> n. sp. " "
<i>Phlyxia crassipes</i> , Bell, " "	And several other undescribed species of Amphipoda.
<i>Phlyxia orbicularis</i> , Hasw., " "	<i>Sphaeroma aspera</i> , Hasw., Port Stephens
<i>Cryptodromia lateralis</i> , Gray, " "	<i>Cymodocea pubescens</i> , M.—Edw., Port Stephens
<i>Dromia excavata</i> , Stimps., " "	<i>Calyptura carnea</i> , Hasw., " "
<i>Dromia sculpta</i> , Hasw., " "	<i>Haliopasma maculata</i> , Hasw.
<i>Lyreidus tridentatus</i> , De Haan, " "	<i>Paranthura australis</i> , " "
<i>Porcellana dispar</i> , Stimps., " "	<i>Paranthura</i> sp.
<i>Pagurus setifer</i> , M.—Edw., " "	<i>Stenetrium armatum</i> , Hasw., Broughton Islands
<i>Galathea australiensis</i> , Stimps., " "	<i>Cilicoca hystrix</i> , Hasw. (new sp.), Broughton Islands
<i>Galathea magnifica</i> , Hasw. (new sp.), Broughton Islands	<i>Cilicoca spinulosa</i> , Hasw. (new sp.), Port Stephens
<i>Gebia spinifrons</i> , Hasw. (new sp.), Port Stephens	<i>Cymodocea tuberculata</i> , Hasw. (new sp.), Port Stephens
<i>Gnathophyllum fasciolatum</i> , Stimps., " "	<i>Cirolana lata</i> , Hasw. (new sp.), " "
<i>Alpheus</i> sp., " "	<i>Apasodes australis</i> , Hasw. (new sp.), " "
<i>Alpheus</i> sp., " "	<i>Paratanais tenuicornis</i> , Hasw. (new sp.) " "
<i>Amaryllis brevicornis</i> , Hasw., " "	<i>Arcturus brevicornis</i> , Hasw. (new sp.), Broughton Islands
<i>Lysianassa</i> sp., Broughton Islands	<i>Ega</i> sp.? Broughton Islands
<i>Ampelisca australis</i> , Haswell, Port Stephens	<i>Caprella</i> sp.? Port Stephens
<i>Cyproidia ornata</i> , Hasw., " "	<i>Proto</i> sp.? " "
<i>Leucothoe commensalis</i> , Hasw., " "	<i>Protella</i> sp.? " "

Arachnida :—Several species of Pycnogonida.

Annelida.

<i>Eunice</i> sp., Nelson's Bay.	<i>Polynoe</i> sp. n., Broughton Islands
" " " "	<i>Polynoe</i> sp., Port Stephens
" " " "	<i>Cirratulus</i> sp. " "
" " Broughton Islands	<i>Aphrodite</i> sp. " "
<i>Terebella</i> sp., Nelson's Bay	<i>Glycera</i> sp. " "
<i>Terebella</i> sp. n. " "	<i>Pectinaria</i> sp. n. " "

Turbellaria :—Nemertes sp.

Tunicata.

Ascidia tinctoria, Nelson's Bay

Polyzoa.

A very large series, containing many new genera and species.

Echinodermata.

<i>Synapta</i> sp., Port Stephens	<i>Comatula</i> , sp.
<i>Cucumaria pentagona</i> , Q. et G., Port Stephens	<i>Strongylocentrotus eurythrogrammus</i> , Val.
<i>Thyone spinosa</i> , " "	<i>Echinocardium australe</i> , Gray
<i>Stichopus</i> sp., " "	Many species of <i>Ophiuridae</i> , belonging to several genera
<i>Comatula</i> sp.	

Actinozoa.

<i>Balanophyllia buccina</i> , Tenison-Woods, Broughton Islands	And several other species.
<i>Deltocyathus rotatorius</i> , " "	Several species of <i>Gorgonidae</i>
<i>Heteropsammia elliptica</i> (?), " "	

Hydrozoa.

A good many species of Hydroid Zoophytes, of the genera *Sertularia*, *Sertularella*, *Aglaophenia*, and *Thujaria*.

Spongia.

A large series of siliceous sponges, containing many species.

C.

C. MOLLUSCA.

List of Shells dredged in Nelson's Bay, Port Stephens.

Gasteropoda.—Depth, 5 fathoms.

	Living Specimens.	Dead Specimens.		Living Specimens.	Dead Specimens.
1. Trophon Paive, Crosse	1	1	37. Minolia bellula, Ang.	1	1
2. Triton fusiformis, Kiener	2	1	38. Gena strigosa, A. Ad.	1	...
3. „ Spengleri, Chem	1	1	39. Tugalia intermedia, Reeve	6	...
4. „ exaratum, Reve	1	1	40. Bullina lineata, Wood	2	...
5. Nassa suturalis, Lam Var inter- media, Dunker	2	1	41. Cylichna arachis, Quoy	1	1
6. „ pauperata, Lam	...	15	42. Tornatina fusiformis, A. Ad.	...	1
7. „ paupera, Gld.	1	...	43. Bulla oblonga, A. Ad.	3	...
8. Adamsia typica, Dunker	3	...	44. Pleurobranchus, sp. ?	8	...
9. Olivella leucozona, Ad. & Ang.	1	1	45. „ sp. ?	7	...
10. Amalda oblonga, Sowerby	1	1	46. Doris „ sp. ?	3	...
11. Mitra variabilis, Reeve	1	1	47. „ sp. ?	1	...
12. Columbella Australis, Gask	4	1	48. „ sp. ?	1	...
13. Marginella ovulum, Sowb.	4	1	49. „ sp. ?	1	...
14. „ simplex (?), Reve	1	1	50. „ sp. ?	1	...
15. „ sp. novo.	2	5	51. „ sp. ?	1	...
16. Scala Philippinarum, Sowb.	1	1	52. „ sp. ?	7	...
17. Odostomia levis, Angas.	1	1	Conchifera—		
18. „ sp. ?	2	...	53. Solen Sloanii, Gray	1	...
19. Cingulina circinata, Ang.	1	1	54. Saxicava arctica, Linn	4	...
20. Eulima, sp. ?	8	...	55. „ Angasi A. Ad.	3	...
21. Drillia Oweni, Gray	3	1	56. Corbula Smithiana, Brazier	2	...
22. Clathurella zonulata (?), Ang.	1	1	57. Trigonella pusilla, A. Ad.	9	...
23. Mangelia Jacksonensis, Ang. (rare)	1	1	58. Gari Menkeana, Reeve	5	...
24. „ sp. ?	1	1	59. Tapes undulata var. Born	1	...
25. Trivia Australis, Lam.	1	1	60. Hemicardia Donaciforme, Spengler	1	...
26. Pelicaria scutulata, Mart	1	2	61. Cardita amabilis, Desh.	3	...
27. Turritella sinuata, Reeve	1	1	62. Kellia, sp. ?	1	...
28. Rissoa, sp. ?	1	1	63. Crenella Cumingiana, Dunker	1	...
29. Rissoina, sp. ?	1	1	64. Vulsella Tasmanica, Reeve	4	...
30. Trochita calyptraeformis, Lam.	2	...	65. Pinna Zeylanica, Gray	1	...
31. Eucheus scabriusculus, A. Ad.	1	1	66. Leda Dohrni, Hanley	2	...
32. Siliquaria lactea, Lam.	1	...	67. Pecten tegula, Wood	11	...
33. Thalotia zebrides, A. Ad.	2	...	68. „ sp. ? valve only	...	1
34. Zizyphinus speciosus, A. Ad.	1	1	69. Lima multicostata, Sowb.	6	...
35. Entrochus scitulus, A. Ad.	1	...	Total	112	62
36. Minolia angulata ? A. Ad.	6	...			

List of Shells dredged in Salamander Bay, Port Stephens, N.S.W.

Gasteropoda.—8-12 fathoms, mud bottom.

	Dead Specimens.	Living Specimens.		Dead Specimens.	Living Specimens.
1. Nassa paupera, Gld.	14	...	20. Rissoina sp. ?	3	...
2. „ pauperata, Lam	48	...	21. Adcorbis Angasi, A. Adams, very rare	1	...
3. „ labecula, A. Ad.	1	...	22. Tugalia intermedia, Reeve	1	...
4. Columbella speciosa, Angas	1	...	23. Dentalium, sp. ?	12	...
5. „ bicincta, Angas	14	...	24. Buccinulus niveus, Angas	1	...
6. Marginella, sp. ?	8	...	25. Ringicula arcata, Gld.	4	...
7. Natica Collieri, Recluz	1	...	26. „ caron, Hinds	3	...
8. Natica nitida, Reeve	1	...	27. „ exserta, Hinds	1	...
9. Crossea concinna, Angas	2	...	28. Cylichna pygmaea, A. Ad.	1	...
10. Eulima, sp. ?	1	...	29. „ arachis, Quoy	4	...
11. Clathurella Brencleyi, Angas	2	...	30. Genus ? sp. ? portion of shell only..	1	...
12. „ sp. ?	1	...	Conchifera—		
13. „ sp. ?	7	...	31. Tellina Ticonica, Desh	...	1
14. „ sp. ?	3	...	32. „ lilium, Hanley	...	1
15. „ sp. ?	6	...	33. Mysia sphaericula, Desh.	...	2
16. „ sp. ?	1	...	34. Nucula simplex, A. Ad.	...	2
17. „ sp. ?	1	...	Total	148	6
18. „ sp. ?	1	...			
19. „ sp. ?	4	...			

List of Shells from Nelson's Bay, Port Stephens, found under stones.

Gasteropoda.

	Dead Specimens.	Living Specimens.		Dead Specimens.	Living Specimens.
1. Purpura succinea, Lam.	...	1	7. Lepidophleurus antiquus, Reeve ...	...	1
2. Triton olearium, Linn.	...	1	8. Conchifera	...	...
3. Thalotia zebrides, A. Ad.	1	...	9. Pecten tegula, Wood	...	4
4. Trochocochlea taniata, Quoy & G..	...	2	Total	1	35
5. Scutus anatinus, Donov.	...	3			
6. Lophyrus Australis, Sowerby	...	23			

List of Shells dredged north of Cabbage-tree Island, opposite the entrance to Port Stephens, 24 fathoms.

Class Pteropoda.

1. Cavolina gibbosa ?	1	4. Cavolina sp. ?	3
2. „ longirostris ?	11	5. Diacria mucronata	2
3. „ quadridentata (11 new species, more or less)	1		

Class Gasteropoda.

6. Murex sp. ?	2	14. Marginilla sp ?	5
7. Nassa paupera	1	15. „ „	4
8. „ pauperata	33	16. „ „	2
9. Mitra sp.	2	17. „ „	1
10. Microvolata Australis	7	18. „ „	1
11. Columbella bicincta	3	19. „ „	1
12. Marginella sp ?	44	20. „ Ovulum	1
13. „ „	4	21. „ sp ?	1

Class

Class Gasteropoda—continued.

22. Marginella sp.?	1	48. Clathurella sp.?	1
23. " "	1	49. " "	1
24. " "	1	50. " "	1
25. Erato sp.?	11	51. " "	1
26. Turbonilla sp.?	5	52. " "	1
27. " "	2	53. " "	1
28. " "	1	54. " "	1
29. " "	1	55. Fossarina?	2
30. Eulima "	1	56. Rissoa "	2
31. Cirsonella?	1	57. " "	1
32. Ethalia "	10	58. " "	1
33. Torinia "	3	59. Turbo?	2
34. " "	1	60. Liotia Angasi	17
35. Bifrontia " nov. sp.	1	61. Dentalium sp. nov.	3
36. Drillia "	1	62. " sp. nov.	36
37. Clathurella "	3	63. Cadulus sp.?	9
38. " "	2	64. Vermetus sp.?	100
39. " "	12	65. Buccinulus sp. nov.	4
40. Clathurella sp.?	4	66. " sp. nov.	1
41. " "	1	67. Cylichna arachis	1
42. " "	1	68. " sp. nov.	1
43. " "	3	69. " sp. nov.	6
44. " "	2	70. " concentrica	8
45. " "	3	71. Tornatina fusiformis	1
46. " "	1	72. Volvula rostrata	1
47. " "	1	73. Diaphana sp.?	1

Class Conchifera.

74. Solecurtus sp.? broken valve.....	1	82. Nucula sp.?	1
75. Cardium sp.	1	83. " sp.?	3
76. Cryptodon sp. nov.	2 $\frac{1}{2}$	84. Leda ensicula	3 $\frac{1}{2}$
77. " sp. nov.	18 $\frac{1}{2}$	85. Pecten sp.?	4
78. Crassatella sp. nov.	1 $\frac{1}{2}$	86. " sp.?	2
79. " sp. nov.	5 $\frac{1}{2}$		
80. Trigonina sp.? nov.	2 $\frac{1}{2}$	Total	374
81. Limopsis sp.?	2		

List of Shells dredged at Broughton Isles, north of Port Stephens, 35 fathoms. (Thirty-three new species.)

Class Pteropoda.

1. Diacria trispinosa?	1
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Class Gasteropoda.

2. Murex territus.....	2	55. Clathurella sp. novo.	2
3. " Angasi	1	56. Conus aplustre	1
4. Triton fusiformis	2	57. Bittium sp.?	1
5. Trophon sp.?	1	58. Triphoris sp.?	1
6. " sp.?	1	59. " "	2
7. Nassa paupera	4	60. " "	1
8. " pauperata	23	61. " "	2
9. Truncaria? sp.?	2	62. Rissoa sp. nov.	1
10. Adamsia typica	1	63. Alvania olivacea	2
11. Olivella leucozona	1	64. " salebrosa	1
12. Amalda oblonga	2	65. " sp.?	1
13. Mitra variabilis	1	66. " "	1
14. " sp.?	2	67. " sp. nov.	2
15. Microvoluta Australis	3	68. " "	6
16. Columbella Smithi	3	69. " "	13
17. " sp. novo.	2	70. Anabathron sp. nov.	1
18. Esopus filiosus.....	1	71. Sabanea incidata	1
19. Marginella sp. nov.	3	72. Ceratia sp. nov.	1
20. " " " "	3	73. Cingula sp.?	10
21. " " " "	5	74. Oscilla ligata	1
22. " Metcali	4	75. Cingula sp.?	4
23. " sp. novo.	5	76. Turritella sp.?	2
24. " " " "	1	77. " "	2
25. " Angasi	43	78. Mathilda sp. nov.	3
26. " sp. novo.	26	79. Caecum " "	1
27. Naticina sp.?	1	80. Vanikoro sp.?	1
28. Crossea? sp.?	1	81. Nov Genus sp. novo.	25
29. Turbonilla sp.?	1	82. Uvanilla tentoriiformis.....	4
30. " nitida	2	83. Liotia clathrata	1
31. " sp. nov.	1	84. Cyclostrema nov. sp.	3
32. " " "	1	85. Clanculus gibbosus	9
33. " " "	1	86. " clangulus	1
34. Parthenia? " "	1	87. Euchelus scabriusculus.....	1
35. " " " "	1	88. Eutrochus scitulus	1
36. Eulima " "	1	89. Zizyphinus comptus	1
37. " " " "	2	90. Ethalia Brazieri	11
38. " " " "	5	91. Cirsonella Australis	6
39. " " " "	1	92. Cemorina sp. nov.	1
40. " " " "	3	93. Emarginula sp.?	1
41. " " " "	1	94. " "	1
42. " " " "	1	95. Tugalia intermedia	1
43. " " " "	1	96. Dentalium sp.?	1
44. " " " "	2	97. Cadulus sp.?	2
45. " " " "	2	98. Tectura sp.?	1
46. Acus bicolor	1	99. Buccinulus niveus	2
47. Drillia radula	1	100. Cylichna sp.?	1
48. " sp.?	1	101. " "	2
49. " " "	1	102. " "	1
50. Clathurella Hayesiana.....	1	103. " pygmaea	1
51. " sp.?	5	104. Tornatina Hofmani	2
52. " " "	1	105. " sp. nov.?	2
53. " " "	1	106. Rissoa? sp.	1
54. " " "	2		

Class

Class Conchifera.

107. <i>Humphreyia</i> <i>Strangei</i>	2	116. <i>Arca</i> ? sp. nov.	27
108. <i>Dosinia</i> sp. ?	1	117. <i>Pectunculus tenuicostatus</i>	2
109. <i>Cardium</i> „	2	118. „ <i>Grayanus</i> , <i>Dunker</i>	1
110. <i>Chama spinosa</i>	1	119. <i>Trigonia Lamarekii</i> Var (Valves, 3)	14
111. <i>Loripes</i> sp. ?	1	120. <i>Limopsis Loringi</i> (very rare)	1
112. <i>Lasea</i> „	2	121. <i>Pecten tegula</i>	1
113. „ „	7	122. „ sp. nov.	2
114. <i>Mytilicardia excavata</i>	1	123. <i>Lima multicostata</i>	1
115. <i>Crenella barbata</i>	2		

Class Brachiopoda.

124. <i>Kraussiana</i> sp. ? (Valve)	1
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LIST of Shells dredged off Nelson Head, Port Stephens.

1. <i>Murex territus</i>	1	70. <i>Euchelus baccatus</i>	4
2. <i>Tritonidea Australis</i>	1	71. „ <i>scabriusculus</i>	1
3. <i>Trophon Hanleyi</i>	14	72. <i>Thalotia zebrides</i>	8
4. <i>Triton fusiformis</i>	4	73. <i>Eutrochus scitulus</i>	1
5. <i>Ranella leucostoma</i>	2	74. <i>Elenchus apicinus</i>	2
6. <i>Nassa paupera</i>	19	75. <i>Zizyphinus comptus</i>	1
7. „ <i>pauperata</i>	47	76. <i>Bankivia varians</i>	3
8. „ <i>mangeloides</i>	2	77. <i>Minolia vitiliginea</i>	10
9. <i>Neritula lucida</i>	1	78. „ <i>angulata</i>	10
10. <i>Adamsia typica</i>	3	79. <i>Monilea corrugata</i>	3
11. <i>Olivella leucozona</i>	2	80. <i>Gibbula Strangei</i>	3
12. „ <i>nympha</i>	14	81. <i>Gena strigosa</i>	—
13. <i>Amalda oblonga</i>	4	82. <i>Lucapina</i> ?	1
14. <i>Columbella Australis</i>	3	83. <i>Fissurellidea scutella</i>	3
15. „ <i>Lineolensis</i>	2	84. <i>Emarginula</i> sp. ?	1
16. „ <i>albomaculata</i>	2	85. „ „	1
17. „ <i>bicincta</i>	16	86. <i>Tugalia intermedia</i>	2
18. „ <i>lineolata</i>	2	87. <i>Dentalium</i> sp. ?	1
19. „ <i>attenuata</i>	1	87. <i>Vermetus</i> sp. ?	1
20. „ <i>speciosa</i>	9	88. <i>Cadulus</i> sp. ?	7
21. <i>Esopus filiosus</i>	15	89. <i>Tectura</i> „	1
22. <i>Marginella translucida</i>	89	90. <i>Buccinulus niveus</i>	1
23. „ sp. ?	72	91. <i>Myonia concinna</i>	9
24. „ <i>Angasi</i>	1	92. <i>Ringicula areolata</i>	1
25. „ <i>attenuata</i>	6	93. „ <i>exserta</i> ?	2
26. „ sp. ?	3	94. <i>Cylichna</i> sp. ?	5
27. „ <i>turbinata</i>	1	95. „ „	1
28. „ <i>ovulum</i>	1	96. „ „	1
29. „ <i>Metcalfi</i>	1	97. „ „	10
30. „ sp. ?	1	98. <i>Atys</i> sp. nov.	1
31. „ ? <i>Tasmanica</i>	5	99. <i>Tornatina</i> sp. ?	1
32. <i>Natica Chemnitzii</i>	1	100. <i>Tornatina Brencchleyi</i>	9
33. „ <i>conica</i>	4	101. <i>Bulla oblonga</i>	4
34. „ <i>areolata</i>	2	102. <i>Haminia brevis</i>	13
35. „ sp. ?	2		
36. <i>Lamellaria</i> sp.	1		
37. <i>Scalaria Australis</i>	1		
38. „ <i>Philippinarum</i>	1		
39. „ <i>Jukesiana</i>	1		
40. <i>Crossea concinna</i>	1		
41. <i>Turbonilla nitida</i>	1		
42. „ sp. ?	3		
43. <i>Odostomia lactea</i>	7		
44. „ sp. ?	3		
45. „ „	2		
46. „ <i>simplex</i>	13		
47. <i>Solarium</i> sp.	1		
48. <i>Pleurotoma violacea</i>	1		
49. <i>Drillia Angasi</i>	2		
50. „ <i>Metcalfei</i>	1		
51. <i>Clathurella</i>	1		
52. „ sp. ?	2		
53. „ „	1		
54. „ „	1		
55. „ „	1		
56. „ <i>bicolor</i>	1		
57. <i>Mangelia Letourneuxiana</i>	2		
58. <i>Conus Jukesii</i>	2		
59. <i>Cypræa erosa</i>	1		
60. <i>Amphiperas bulla</i>	1		
61. <i>Pellicaria scutulata</i>	2		
62. <i>Cerithium rhodostoma</i>	1		
63. <i>Bittium granarium</i>	23		
64. <i>Triphoris</i> sp. ?	1		
65. <i>Vanikaro</i> sp. ?	4		
66. „ sp. nov.	1		
67. <i>Neritina Souverbiana</i>	15		
68. <i>Eutropia virgo</i>	1		
69. <i>Liotia speciosa</i> ?	1		

CONCHIFERA.—

103. <i>Solen Sloanii</i>	1
104. <i>Saxicava arctica</i>	20
105. <i>Corbula Smithiana</i>	1
106. <i>Trigona pusilla</i>	4
107. <i>Gari Menckiana</i>	4
108. <i>Tellina tenuilirata</i>	4
109. <i>Chione striatissima</i>	2
110. „ <i>Australis</i>	1
111. <i>Tapes inflata</i>	1
112. „ <i>undulata</i>	1
113. „ <i>turgida</i>	1
114. „ sp. ?	1
115. <i>Cardium tenuicostatum</i>	1
116. <i>Chama spinosa</i>	1
117. <i>Lucina divaricata</i>	4
118. „ <i>Cumingi</i>	1
119. „ sp. ?	1
120. <i>Kellia</i> „	1
121. <i>Mytilicardia excavata</i>	1
122. <i>Crenella barbata</i>	8
123. „ <i>Cumingi</i>	2
124. <i>Volsella glaberrima</i>	1
125. <i>Vulsella Tasmanica</i> ?	1
125. „ sp. ?	1
126. <i>Anomalocardia trapezia</i>	2
127. <i>Pecten tegula</i>	5
128. <i>Vola fumata</i> ?	3
129. <i>Lima multicostata</i>	6
130. „ <i>angulata</i>	2
131. „ <i>Strangei</i>	1
132. <i>Ostrea</i> sp. ?	1
133. <i>Waldheimia flavescens</i>	1

APPENDIX XIII.

LIST OF FOSSIL ANIMALS, THE REMAINS OF WHICH ARE REPRESENTED BY BONES FOUND IN THE
CAVES AT WELLINGTON, N.S.W.

Mammals.

Diprotodon Australis, C. III. and IV.
 Sthenurus, 2 sp., C. III.
 Proteomnodon, eg., C. III. and IV.
 Protunnodon anack, C. III. and IV.
 Proteomnodon sp.
 Palorchestes sp., C. IV.
 Macropus several sp., C. III. and IV.
 Halmaturus several sp., C. III.
 Betongia.
 Thylacinus sp., C. III. and IV.
 Phascolomys, C. III. and IV.

Sarcophillus, C. III.
 Dasyurus, 2 sp., C. III.
 Phalangista, C. III.
 Thylacoleo carnifex, C. III. and IV.
 Portion of an upper jaw and several lower rami.
 Echidna, C. III.
 Shoulder-blade and claw bones.
 Ornithorhynchus, C. III.
 One claw bone only.
 Mus, several sp. C. III. and IV.

Birds.

These are represented by portions of the tarso-metatarsal bones, belonging to carinate birds; a portion of the tarso-metatarsus of a bird allied to the Emu; one or two doubtful ungual phalanges, probably raptorial; and a sternum of a small carinate bird. C. III. and IV.

Reptiles.

Vertebrae of a large lizard, Hydrosaurus sp.; jaws of a lizard allied to Cyclodus, vertebrae of the same.
 Jaws of small lizards. C. III.

Mollusca.

Remains of 2 species of Helix, tolerably perfect. C. III., 1 sp.; C. IV., 2 sp.
 (There are also over 1,000 specimens of Fossils not yet determined.)

LIST of the Fishes found in the fresh waters of the Richmond River District.

- Percidæ.
 1. Lates colonorum Guth., several varieties from different localities.
 2. Oligorus maequariensis, Cuv. et Val., from the creeks and headwaters of the Richmond River.
 3. Gerres sp.

- Sparidæ.
 4. Chrysophrys sarba.

- Triglidæ.
 5. Centropogon robustus, Guth.

- Trachinidæ.
 6. Sillago sp.

- Mugillidæ.
 7. Mugil dobula.
 8. Mugil sp.

- Siluridæ.
 9. Copidoglanis tandanus, Mitchel.
 10. Arius Australis, Guth.

- Scombresocidæ.
 11. Hemirhamphus intermedius.
 12. Arrhamphus sp.

- Clupeidæ.
 13. Clupea richmondia, Macl.

- Muranidæ.
 14. Anguilla australis, Richardson.

Crustacea.

1. Astacopsis serrata.
 2. Astacopsis sp.

3. Palemon ornatus.

In addition to those found in the fresh water, many of the ordinary salt water species were obtained.

ED. P. RAMSAY,
 Curator.

TECHNOLOGICAL, INDUSTRIAL, AND SANITARY MUSEUM REPORT FOR 1881.

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 the Second Annual Report of the Committee of Management of the Technological, Industrial, and Sanitary Museum.

1. The business of the Museum has been conducted by the same Committee as in the previous year, 1880, namely, Mr. Alfred Roberts, M.R.C.S.E., Professor Liversidge, F.G.S., and Mr. Robert Hunt, Deputy Master of the Royal Mint—Mr. C. R. Buckland still acting as Secretary. Early in October, Mr. J. H. Maiden was appointed temporarily to classify and arrange the collected specimens, and generally to perform the duties of a Curator. Mr. Maiden, who possessed very high recommendations from gentlemen connected with similar institutions in England, has had the entire control of the arrangement of the Museum, and the results of his work are very satisfactory to the Committee.

2. At the commencement of the year several thousand circulars were distributed to exhibitors at the Melbourne Exhibition and others, setting forth the objects of the Museum, and soliciting donations. In response to these and previous circulars a large number of valuable specimens have been obtained, a list of which appears in Appendix III. The work of packing the specimens obtained at the Melbourne Exhibition was entrusted to the Acting Secretary, who also received instructions to note any articles worthy of purchase. Few purchases, however, were made, the Committee not being at that time in possession of the necessary funds. Some valuable presents were made to the Museum, through the Executive Commissioner for New South Wales, by Commissioners representing foreign countries and the Colonies. A few exchanges have been effected through the medium of the Australian Museum, collections of Natural History specimens having been sent in return. Further donations have been received from Europe, also some valuable purchases ordered from exhibitors at the Melbourne Exhibition.

3. The Committee, having ascertained that an International Medical and Sanitary Exhibition was to be held in London in July, took steps to have the Museum properly represented, and on the Government allowing the Agent General to act for the Committee, a sum of £100 was sent to him with a request that he would use his best endeavours to further the objects of the Institution, and purchase articles of special interest. Two cases of specimens and pamphlets have been received, and it is expected that others will follow.

4. The south-western portion of the Garden Palace has been enclosed and set apart for the purposes of the Museum. Over 30,000 feet of ground space are thus available for the display of the valuable collection of specimens, and the whole of this will be utilized. In connection with the Museum there will be a library of reference and reading-room, a chemical laboratory, and work-room. It is intended to employ the laboratory for the prosecution of original chemical and physical research, with especial reference to the utilization of the products of New South Wales and Australia generally. Analyses and examinations of colonial products, with a view to ascertaining their adaptability for economic purposes, will also be made at the instance of inquirers. The necessary chemicals and appliances for use in the laboratory have been ordered from England.

5. It is the aim of the Trustees to make this Museum one of interest and lasting service to the mass of the population. Information will be supplied in regard to things met with in daily life by people of different avocations; and no effort will be spared to make the Museum worthy of its title as an Industrial Museum. Manufactures and technical operations of all kinds will be represented by specimens and series of specimens illustrative of each process, from the raw material to the finished article. Special attention will be devoted to Section VIII (sanitary arrangements and appliances, &c.), in the belief that a well-arranged collection of sanitary appliances will prove of very material benefit to the country.

6. The work of arranging and preparing exhibits is being rapidly proceeded with, and a considerable portion of the Museum will probably be open to the public in the course of the next six months.

7. The contents of the Museum will be arranged in fifteen principal sections, of which Sections I, II, III, IV, VI, and IX are in an advanced state of preparation.

Section I.—Animal products, comprising textile materials of animal origin, including hair, skins, leather, gut, &c.; miscellaneous animal coverings, *e.g.*, furs, feathers, down; materials for carving, &c., *e.g.*, whalebone, bone, ivory, horn, tortoise-shell.

Marine products used alone or in manufactures, *e.g.*, shells (including cameos), coral, sponges, &c.; foods, as caviare, isinglass, bêche-de-mer, and oils, fats, and wax of animal origin; animal substances employed in dyeing, perfumery, pharmacy, &c.

Section II.—Vegetable products (other than foods), *e.g.*, oils and oil seeds, including drying, non-drying, and volatile or essential oils, vegetable tallow, vegetable wax, &c.

Gums, resins, &c., including the gums and resins proper, gum-resins, balsams, kinos, caoutchouc or India-rubber, gutta-percha, vulcanized India-rubber, ebonite or vulcanite and other compounds of caoutchouc with sulphur.

Fibres: Specimens of fibres in all stages of preparation; select examples of textile fabrics of vegetable origin; fibres suitable as paper materials. Especial prominence will be given to cotton and flax, and also to native fibre plants.

Woods: Samples of timber for building and manufacturing purposes generally.

Dyes and tans: Dyes, pigments, mordants, tanning extracts, &c., of vegetable origin; specimens of the parts of plants used in dyeing and tanning.

Perfumes: Substances of vegetable origin used in their preparation.

Drugs: Parts of plants, and miscellaneous products yielded by plants and used medicinally, whether officinal or not.

Miscellaneous specimens of vegetable origin with uses not enumerated above; botanical specimens of special interest.

Section III.—Waste products: Substances which, either from the abundance of their occurrence or from their offensive nature in themselves, or for other reasons, may be placed in this category. The preparation of valuable commercial products from coal-tar, of useful medicinal and other substances from the eucalypti, may be cited as examples.

Section IV.—Foods, including cereals, pulse, cocoa, sugar; models, &c., of perishable vegetables and fruit; preserved specimens of miscellaneous foods of animal or vegetable origin; substances which may be considered as food-adjuncts, *e.g.*, tea, coffee, spices, &c. Tobacco, and other substances which are smoked or used as masticatories in various parts of the world, will be included in this section.

Section V.—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; also 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 will be illustrated as far as possible by models and diagrams.

Section VI.—Economic geology: Specimens of metallic ores and of miscellaneous minerals of commercial importance and general interest. Building stones, including marbles, slates, &c., rough, hewn, sawn, or polished; stones used in decorations, statuary, monuments, furniture, &c. The uses of many specimens in this section will be shown practically by incorporating them with the building itself in the form of pillars, panels, flooring, &c. Lime, cement, hydraulic cement, artificial stone. Stones used for special purposes, *e.g.*, lithographic stones, grindstones, &c. Graphite of all qualities, with illustrations of its industrial applications. Sand, clays, and other substances used in the manufacture of glass and pottery of every description. Gems and precious stones; artificial gems, together with the materials used in their production. Shells, coprolites, &c. Mineral waters reputed to possess medicinal properties. Salt, crude nitre, &c. Mineral combustibles, *e.g.*, coal, shale, ozokerite, petroleum, and substances obtained from these, together with illustrations of their uses.

Section VII.—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 will be of the greatest possible value to teachers, who can thus see and examine everything required in a school, and directly compare the merits of the different books, fittings, and appliances as supplied by different makers and recommended by various authorities.

Section VIII.

Section VIII.—Sanitary appliances and arrangements. Domestic, &c., architecture. Every effort will be made to render this section a complete hygienic and sanitary museum. It will take cognizance of sanitary engineering in general; designs to illustrate dwelling-houses, barracks, shelters, hospitals and infirmaries, homes and asylums, schools of all kinds, mechanics' institutes; also eating-houses, granaries, dairies, slaughter-houses, markets, factories and workshops, public baths, &c. Sanitary appliances of all kinds will be represented. The subjects of water supply, ventilation, warming, lighting, &c., will be illustrated. There will be displayed apparatus for the use of those in health, for the sick and infirm, for the preservation of life and property, and anything concerning which the hygienist will have something to say.

Section IX.—Mining, engineering, and machinery: models, plans, drawings, tools, machinery, and appliances.

Section X.—Agricultural tools, appliances, and machinery; also, soils, manures, &c.

Section XI.—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.

Section XII.—Ethnological specimens: The large and valuable collection of ethnological specimens belonging to the Australian Museum, and which was shown in the Garden Palace at the late Sydney International Exhibition, will be displayed in the Technological Museum.

Section XIII.—Examples of historical furniture, and of artistic workmanship in iron and other metals.

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

Section XV.—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.

8. The Committee add to this their Report the following Appendices:—I. The Annual Balance-sheet; II. Attendance of Members of the Committee; III. A List of Books and Publications received; IV. A List of Specimens presented; V. A List of Specimens purchased.

The Common Seal of the Museum is affixed, by order of the Board, this 3rd day of June, 1882.

(L.S.)

ALFRED STEPHEN,

Crown Trustee and Chairman.

CHARLES R. BUCKLAND,

Acting Secretary.

APPENDIX I.

BALANCE-SHEET of the Technological, Industrial, and Sanitary Museum, for the year ending 31st December, 1881.

1881. Dec. 31	RECEIPTS.	£	s.	d.	1881. Dec. 31	EXPENDITURE.	£	s.	d.	
	To receipts from the Trustees of the Australian Museum ...	2,500	0	0		By salaries and wages	477	14	11	
	„ balance from 1880	9	2	8		„ purchase of specimens	251	13	5	
						„ cases	560	16	0	
						„ books	25	19		
						„ freight, cartage, Customs charges	214	17	1	
						„ stationery	41	19	0	
						„ travelling expenses	69	0	0	
						„ timber	24	7	0	
						„ purchase of chemicals	75	0	0	
						„ advertising and printing	20	13	9	
						„ draft to Agent General for purchase of specimens in England	100	0	0	
						„ insurance	6	19	8	
						„ cheque books	1	0	10	
						„ furniture	14	17	0	
						„ packing and agency charges	9	19	6	
						„ polishing	20	0	0	
						„ telegrams, exchange, postage	5	17	8	
						„ ironmongery	10	4	11	
						„ sundries	13	19	4	
							1,944	19	7	
						Balance	564	3	1	
		£	2,509	2	8		£	2,509	2	8
	Balance forward to 1882 ...£		564	3	1					

APPENDIX II.

ATTENDANCE of the Committee, 1882.

Hunt, Robert, Esq., Deputy Master of the Royal Mint.....	17
Liversidge, A., Esq., F.G.S., Professor of Chemistry and Mineralogy, Sydney University	14
Roberts, Alfred, Esq., M.R.C.S., E.	17

APPENDIX III.

A List of Books and Publications received.

- The Library Journal, vol. vi, Nos. 7, 12.
 The Christmas Bookseller, 1879-1881.
 The Bookseller, June to December, 1881.
 The Telegraphic Journal, vol. ix, Nos. 219 to 214.
 La Lumière Electrique, vols. i to v.
 Symons' Monthly Meteorological Magazine, vol. xvi, June to December, 1881.
 The Mineralogical Magazine, vol. iv, Nos. 17 to 20.
 Scientific American, June to December, 1881.
 The British Trade Journal, 1881.
 Journal des Fabricants de Sucre, Nos. 24 to 37.
 The Publishers' Weekly, vol. xx, Nos. 1, 2, 9, 11-14, 17, 19, 20, 23, 25, 26.
 Index Medicus, vol. iii, Nos. 8, 11, 12.
 The American Bookseller, vol. xii, Nos. 2, 5-12.
 The Literary News, vol. ii, Nos. 7, 9, 11, and the Christmas number.
 Bulletin Telegrafico, 1881, January to May, July, August, November, December: Index.
 The American Monthly Microscopical Journal, vol. ii, Nos. 1 to 6, No. 12.
 Knowledge, vol. i, No. 1.
 Colburn's United Service Magazine, 1881; June to November.
 The Journal of Forestry, vol. v, Nos. 50 to 55.
 The German and American Brewers' Journal, vol. v, Nos. 8, 11, 12; vol. vi, Nos. 1, 2.
 The Papermakers' Monthly Journal, vol. xix, Nos. 1 to 10, No. 12.
 Directory of Papermakers, 1881.
 The Fireman, vol. iv, No. 12; vol. v, Nos. 1 to 5.
 The Masonic Tablet, vol. ii, No. 4.
 A Catalogue of Interesting Old Books.
 Catalogue of Ancient and Modern Books.
 The Monthly Magazine of Pharmacy, Chemistry, and Medicine, August, 1881.
 The American Mail, vol. v, No. 2.
 The British Mercantile Gazette, vol. xiii, No. 165.
 Allgemeine-Zeitschrift für Textil Industrie, vol. iii, No. 12.
 Deutsche Industrie Zeitung, vol. xxii, No. 25.
 The Plumber and Decorator, vol. iii, Nos. 28 to 34, No. 36.
 The Manufacturer and Builder, vol. xiii, Nos. 1 to 5, 7 to 10.
 The American Architect, vol. ix, No. 284.
 The Plumber and Sanitary Engineer, vol. iii, Nos. 17, 18, 22; vol. iv, Nos. 1, 7, 8.
 Sanitary Engineering, vol. vi, No. 1.
 The Boot and Shoe Trades Journal, vol. vii, Nos. 168 to 172; vol. viii, Nos. 173-190, 197 to 199.
 The Jeweller and Metal-worker, vol. vi, Nos. 182 to 186, 188, 190 to 192, 195.
 The Papermakers' Circular, vol. x, Nos. 108, 109, 111, 113.
 From the Religious Tract Society, London—
 50 Miscellaneous Educational and Religious Works.
 From the Department of Mines, Victoria—Reports.
 From C. Jansky, Bohemia—
 Coloured Diagrams of Apparatus used in Physics.
 From the Executive Commissioner for India, M.I.E.—
 Lateral Lithotomy Operations, 1 vol.
 From the Observatory, Tokio, Japan—
 Meteorological Reports, 15 vols.
 Elementary Geography of Japan, 8 vols.
 From Her Majesty's Commissioners of Patents—A set of
 Abridgements of Patents, 124 vols.
 From Dr. Wm. Davis (Bristol)—A case of Educational
 Books, 46 vols.
 From Messrs Relfe Bros. (London)—A parcel of Educa-
 tional Books, 14 vols.
 Whitaker's Almanac.
 Mitchell's Newspaper Press Directory.
 Transactions of the Highland and Agricultural Society
 of Edinburgh, vol. 13.
 Der Kohlentransport und Jahrbuch für das Bergund
 Huttenwesen.
 From N. O. Gewerbe Verein (Vienna)—
 A parcel of Technological Publications.
 From the Government Printer (Melbourne)—
 Geological, Mining, &c., Reports, 26 vols.
 From Messrs. Oliver and Boyd (Edinburgh)—
 School Books, 16 vols.
 From the Educational Supply Association (Limited), London
 School Books, 24 vols.
 From Messrs. Bemrose & Sons, Derby—
 School Books, 7 vols.
 From the National Temperance Publication Depot, Lon-
 don—Juvenile Temperance Books, 4 vols.
 From the Chevalier Jervis, Turin, Italy—
 Programmi del Regio Istituto Tecnico di Milano,
 1863-4 to 1875-6, 1877-8 to 1878-9.
 Ordinamento della Regia Scuola Mineraria di Iglesias.
 Annali del Regio Museo Industriale Italiano.
 Programmi della Regio Scuola Superiore di Commercio,
 Venezia.
 From the Chevalier Jervis—continued—
 Relazioni dei Regii Commissarii speciali Italiani Espos-
 sizione Internazionale di Londres, 1862, Torino,
 Firenze, 1 vol.
 Annali del Regio Istituto Industriale Professionale di
 Torino.
 Catalogo dei Regio Museo Industriale Italiano in Torino.
 I Combustibili Minerali d'Italia, 1879.
 From Professor Liversidge, F.G.S.—
 Handbooks, etc., South Kensington Museum, 44
 vols., including:—
 Gold and Silversmith's Work.
 Glass Vessels.
 Ancient and Modern Furniture and Woodwork.
 Guide to the Museum.
 Art Directory.
 Science "
 Catalogue of the Educational Division—
 Majolica, Bronzes, Textiles, Ivories, Furniture,
 Musical Instruments.
 List of Buildings having Mural Decorations.
 Catalogue of Models of Machinery, Tools, etc.
 Catalogue of Ship Models and Marine Engineering.
 Photographs of Paintings and Drawings.
 Utilization of Waste Products.
 Catalogue of Collection of Munitions of War.
 Architecture and Sculpture.
 Drawings of Glass Cases.
 Food.
 Scientific Apparatus, 2 vols.
 Free Evening Lectures, 1876.
 Conferences, 1876, 4 vols.
 Science.
 Construction and Building Materials.
 Inventory of Casts in Fictile Ivory.
 Catalogue of Gems and Precious Stones.
 " Ruled Surfaces.
 Reproductions in Metal.
 Photographs of Precious Metals and Enamels.
 Inventory of Plaster Casts.
 Photographs of Pottery, Porcelain, and Glass.
 Special Loan Collection of Scientific Apparatus.
 Prospectus of the Museum.
 " Science Schools and Classes.
 Regulations for
 Bethnal Green Branch Publications, as follows:—
 Collection of Oriental Porcelain and Pottery.
 Special Loan Collection of Furniture.
 Anthropological Collection.
 Calendars, Educational Works, Prospectuses, &c.:
 Schools for Girls and Colleges for Women.
 Yorkshire College, Leeds. Calendar.
 Report to the Clothworkers' Company.
 Our Schools and Colleges.
 Educational Year Book, 1879.
 Technical Training.
 University College, London. Calendar.
 London University Calendar.
 Dublin University Calendar.
 University College of Wales Calendar.
 Oxford University Calendar.
 King's College, London, Calendar.
 German Letters on English Education.
 In the Schoolroom.
 Report of the Philadelphia Exhibition, 3 vols.
 Art Education as applied to Industry.
 Circular of Lord Stanley to H. M. Representatives
 abroad, and their replies.
 Philadelphia Exhibition Reports and Awards.
 The Schools for the People.
 Higher Schools and Universities in Germany.
 Prussian Educational Code.
 Practical Educationists and their Systems of Teaching.
 Pharmaceutical Society, London. Calendar.
 Intermediate Schools in Ireland.
 Our National System of Education.
 The Elementary Education Acts.
 The Teacher.
 London Institution Prospectus.
 Particulars of Indian Public Works Department.
 "The Examiner" (Eleven Numbers).
 Society of Arts' Programme of Examinations.
 Berner's College Prospectus.
 Birkbeck Institute Prospectus and Syllabus of Classes.
 Hartley Institute. Prospectus.
 Anderson's College, Glasgow. Calendar.
 Greenwich Hospital School. Regulations for Admission.
 Gresham College. List of Lectures.
 Agricultural College, Cirencester. Prospectus and Ex-
 amination Papers.
 Owen's College, Manchester. Prospectus and Syllabus
 of Lectures for Evening Classes.
 Working Men's College, London. Prospectus.

A LIST of Books and Publications received—*continued*—

From Professor Liversidge, F.G.S.—*continued*—
 College of Physical Science, Newcastle. Calendar.
 King's College, London. Prospectus of Evening Classes.
 Royal College of Science for Ireland. Directory.
 University College, Bristol. Calendar.
 Bristol Mining School. Programme.
 Royal Polytechnic College, London. Prospectus.
 City of London College. Calendar.
 Pharmaceutical Society. Regulations of the Board of Examiners.
 Liverpool School of Science. Report.
 Birmingham and Midland Institute Report.
 Artisans' Reports—Paris Exhibition—1867.
 Plan for Central Technological College.
 Museum of Trade Patterns and Industrial Examples.
 Technical Education—H. Solly.
 Technical and Primary Education—Playfair.
 Journal of the Society of Arts—from 21st November to 26th December, 1873—1874 to 1878 inclusive.
 Food Labels from South Kensington Museum.
 Sundry Letters, Documents, &c., relating to the Technical Education Commission, and addressed to the London Committee.
 La Propriété Industrielle en France et à l'Etranger.
 Les Pays Etrangers et l'Exposition de 1878, 19 vols.
 Universität zu Heidelberg. Programme.
 Königl. Technische Hochschule zu München. Calendar.
 Königl. Technische Hochschule zu München. Programme.
 Königl. Sächsisches Polytechnikum zu Dresden. Programmes (2).
 Polytechnischen Schule zu Carlsruhe. Programme.
 Polytechnischen Schule zu Aachen—
 K.K. Technischen Hochschule in Wien "
 Eidgen. Polytechnischen Schule Zurich "
 Deutschrift über das Technische Unterrichtswesen.
 Pädagogischer Jahresbericht, 1877.
 La Saline del Regno d'Italia.
 Annali del Regio Istituto Industriale e Professionale di Torino, 4 vols.
 Relazione di una Escursione in Svizzera.
 Programma dell'Insegnamento Professionale nel 1864.
 Gli Istituti Tecnici in Italia nel 1869.
 Ordinamento degli Istituti Tecnici (Firenze 1871).
 Istruzioni e Programmi per l'insegnamento nelle Scuole Tecniche.

From Professor Liversidge, F.G.S.—*continued*—
 Regolamento per le Scuole Tecniche e gli Istituti Tecnici.
 Regio decreto che approva per gli esami di licenza negli Istituti Tecnici e Nautici del Regno.
 Regio decreto che approva il Regolamento per l'Istruzione Industriale e Professionale.
 Regolamento e Programma per gli esami di ammissione agli Istituti Tecnici.
 Regio decreto concernante gli Insegnamenti negli Istituti Tecnici.
 Guida dello Studente nelle Scuole Tecniche e negli Istituti Tecnici.
 Regolamento speciale per le Regie Scuole d'Applicazione per gli Ingegneri.
 Repertorio delle Miniere.
 Il disboscamento delle Montagne.
 Le Costruzioni Rurali.
 Les Race Bovines au concours agricole, 2 vols.
 Le Miniere dell' Isola dell' Elba.
 Statistica del Regno d' Italia, 2 vols.
 Manuale dei Procedimenti Rurali.
 Relazione sulla Industria del Lino (flax).
 L'Istruzione Industriale e Professionale nel Regno d'Italia, 1874.
 Annali del Istituto Agrario della Provincia di Terra di L'Avaro.
 Annali della Stazione Agraria annessa all' Istituto agrario della Provincia di Terra di L'Avaro.
 Relazione interno all' Amministrazione delle Regie Miniere e fonderie del Ferro in Toscana.
 Relazione sui Prodotti greggi e lavorati delle Industrie Estrattive (Ores and Metallurgy).
 Atti del VI. Congresso Pedagogico Italiano.
 Sulla Mercologia (due Lezioni).
 La Istruzione Industriale e Professionale in Italia nel 1878.
 Del diritto degli Scolari nell' Ordinamento Delle Scuole.
 Annali del Ministero di Agricoltura Industria e Commercio, 3 vols.
 Catalogo Ragionato dei Prodotti Minerali Italiani Spediti all' Esposizione Universale di Vienna.
 Regolamento delle Scuole Municipali della Città di Torino.
 Programma Didattico della Scuola Superiore Femminile di Torino.
 Relazione sugli Istituti Tecnici d'Italia, 1862.

APPENDIX IV.

LIST of Donations.

From the Caslon Letter Foundry Company (England)—Specimens of types and rules.
 From Mr. August Leonhardi (Germany)—A Collection of inks, and miscellaneous articles of stationery.
 From the Executive Commissioner for Fiji (M.I.E.)—Specimens of raw cotton, fibre, coffee, sugar.
 From the Director of the Royal Botanic Gardens, Kew (London)—3 cases of botanical specimens.
 From Messrs. Böing and Dormann (Germany)—A case of rock salt.
 From the Bay of Islands Coal Company (New Zealand)—Specimens of minerals and coal.
 From Mr. C. Jeke (N. S. W.)—Chrome ores.
 From Messrs. C. Moore and Company (Sydney)—Samples of India-rubber manufactured by Mr. Birnbaum.
 From Messrs. Toch and Company (Belgium)—Specimens of slates.
 From the Dortmund Union Iron Company (Germany)—A large and valuable exhibit (with show-case) of various kinds of iron and steel.
 From Miss Blaxland (Sydney)—Ethnological specimens and curios from the South Sea Islands.
 From Messrs. W. S. Holland and Company (America)—Specimens of Venetian blind laths.
 From Messrs. Hart and Roux (Sydney)—Photographs.
 From the Surveyor General of South Australia—A large map of that Colony, prepared for schools.
 From H. Gruson (Germany)—Samples of iron.
 From Mr. Heitmann (Germany)—Educational diagrams.
 From Messrs. Rischmeyer and Company (Germany)—Collection of grinding-stones.
 From Messrs. Burger and Heinert (Germany)—Model of a ceiling.
 From the Neu-Stassfurt Salt-works (Germany)—A large and valuable exhibit of rock-salt and associated minerals.
 From Mr. Otto Fennel (Germany)—Photographs of Mathematical instruments.
 From the Westphalian Union Company (Germany)—A large exhibit of wire, and also zinc, iron, &c., in various stages of manufacture.

From Mr. Schuppau (Germany)—A collection of seal impressions.
 From Messrs. Reideburg & Möller (Germany)—Specimens of roofing felt.
 From Mr. Dessauer (Germany)—Specimens of papers (in six albums).
 From the Osnabrück Iron Company (Germany)—Specimens of iron for railway purposes.
 From Mr. S. Jacoby (Melbourne)—Specimens of German nickel.
 From Messrs. Alsen & Son (Germany)—A collection of cement and objects manufactured therefrom.
 From Messrs. Pfaff, Reichenbach, & Company (Melbourne)—A large vase of German imitation stoneware.
 From the Harkort Bridge Company (Germany)—Specimens of iron.
 From Messrs. Jas. Reckitt & Company (England)—Specimens of starch and blue.
 From J. Corbet, Esq., M.P., the Stoke Prior Salt-works (England)—A collection of salt in various stages of preparation.
 From Young's Paraffine and Mineral Oil Company (Scotland)—A complete exhibit of paraffine and paraffine candles, oils, &c., obtained from bituminous shale.
 From the Farnley Iron Company (England)—An exhibit of bricks, tiles, drain pipes, &c.
 From the Earl of Dudley—A valuable and comprehensive exhibit, with show-case, of iron of various qualities submitted to miscellaneous tests.
 From the British Telegraph Construction Company (England)—A valuable exhibit, with show-case, of telegraph wires and cables.
 From Messrs. Woollams & Company (England)—Specimens of embossed and other papers.
 From Mr. E. Stanford (London)—A large collection of maps.
 From Mr. G. Jennings (London)—A collection of sanitary ware and appliances.
 From Mr. G. Cochrane (England)—Specimens of papers.
 From Messrs. Bickford, Smith, & Company (England)—An exhibit of their patent fuses.

From

LIST of Donations—continued:—

- From the Earl Granville and the Shelton Bar Iron Company (England)—A complete and valuable exhibit of iron in all stages of manufacture; also a series of the ores and coals employed.
- From the proprietor of the *Graphic* (London)—A collection of materials used in the manufacture of paper.
- From Messrs. T. C. Smith & Sons (England)—A series of wall maps.
- From Messrs. Arrowsmith & Company (England)—Specimens of Parquet flooring.
- From Messrs. Marshall & Sons (England)—Photographs of agricultural machinery.
- From Messrs. T. and C. Clark (England)—A large exhibit, with show case, of hardware furniture and other goods.
- From Mr. C. Bowman (London)—A collection of stencil plates and ink.
- From the Berthon Boat Company (England)—A collapsible yacht and canoe.
- From Mr. Samuely (Austria)—Specimens of potash.
- From Messrs. Schemedes, Erbslöh & Company (Melbourne)—A collection of hats made of wood, with show case (from Austria).
- From Messrs. Roberts & Company (India)—Specimens of tobacco leaf and cigars.
- From Mr. Whitfield (West Australia)—Specimens of fibre plants, and nuts.
- From Messrs. Meyer & Henckel (Denmark)—Sample of cheese-colouring.
- From the Auckland Harbour Board (New Zealand)—Specimens of Jarral and Totara timber, showing the ravages of the terebra navalis.
- From Mr. J. E. Fletcher (New Zealand)—Specimens of timber.
- From Messrs. Ingram & White (New Zealand)—Specimens of chalk.
- From Mr. E. McCaffray (New Zealand)—A collection of minerals and stones.
- From the Oamaru Stone Company (New Zealand)—An obelisk and pillar, and other lathe-work in Oamaru stone.
- From the Hokianga Saw Mill Company (New Zealand)—Specimens of timber.
- From Messrs. Dejaiffe-Devroye (Belgium)—A collection of marbles.
- From M. Bottelier (Belgium)—Specimens of flax.
- From the Executive Commissioner for Belgium (Melbourne International Exhibition)—Specimens of pottery, iron, leather, papers, chemical products, starches, cardboard, cement, copper in sheets and dishes, numerous specimens of glass.
- From the Executive Commissioners for South Australia, M.I.E.—Specimens of soils, barks, and cereals.
- From the Executive Commissioner for Ceylon, M.I.E.—Specimens of coffee, cereals, plumbago, woods, tobacco.
- From Messrs. De Grauw, Aymar, and Company (America)—An exhibit of oars.
- From Professor Pirz (America)—A collection of chemicals.
- From Messrs. Morris, Wheeler and Company (America)—An exhibit of nails.
- From the Executive Commissioner for the Netherlands, M.I.E.—Specimens of blue, charcoal bricks, chicory, zinc, and oil.
- From G. W. Kieffer (the Netherlands)—A series of imitations of marbles and wood.
- From Messrs. Christoffe and Company (France)—Specimens of nickel.
- From M. Guerlain (France)—Specimens of soap and perfumery.
- From A. F. Mercier (Melbourne)—Specimens of Mauritius woods.
- From Mr. R. Magrath (N.S.W.)—Specimens of soils.
- From Messrs. Stephens and Kyle (N.S.W.)—Specimens of bricks.
- From Mr. L. Fountain (N.S.W.)—Specimens of minerals.
- From Mr. Milton (N.S.W.)—A trophy of corks, and of ornamental cork-cutting.
- From Mr. Gardner (N.S.W.)—Specimens of printing.
- From Mr. Stratton (N.S.W.)—Two carved miniature chairs.
- From Mr. Rudder (N.S.W.)—Specimens of minerals.
- From Messrs. F. C. Calvert and Company (Manchester)—A collection of the commercial forms of carbolic acid, together with samples of numerous carbolic acid preparations.
- From Messrs. Gillott and Company (England)—Specimens of pens in all stages of manufacture.
- From Mr. Jefferson Read (England)—An exhibit of arcanum plated-ware.
- From Messrs. MacBrair Bros. (Sydney)—Two show stands.
- From Mr. J. Unite (London)—A model of a hayrick and cover.
- From the Honorable the Colonial Secretary—A show case.
- From the Worcester Royal Porcelain Company (England)—A collection of their manufactures in various stages, together with samples of the raw materials used.
- From Messrs. Lobeck and Company (Germany)—A collection of vegetable products.
- From Signor Giorgi (Italy)—Specimens of majolica-ware.
- From Messrs. John Brown and Company, Limited (Sheffield)—A very massive and interesting iron exhibit, comprising a huge boiler-end plate, tires, 9-in. armour plates, and other specimens both numerous and valuable.
- From Messrs. Lloyd and Lloyd (Birmingham)—A set of wrought iron tubes.
- From the Department of Mines (Victoria)—Maps of Victoria, plans, &c.
- From the Nagpur Museum (India)—A collection of agricultural, forest, mining, &c., products consisting of cereals, oil seeds, drugs, spices, fibres, yarns, cottons, gums, resins, dyes, woods, barks, soils, minerals, &c.
- From the Executive Commissioner for India, (M.I.E.)—Specimens of inlaid metal ware, Indian fabrics of wool, muslin, cotton, silk, lace, embroideries, brocades, &c., over 100 samples; pottery, brassware, domestic utensils, articles used in temple worship, matting, leather work, raw silks, fibres, cordage, coir ropes, &c.; native jewelry, stoneware, ruler knife-handle, paper knives and weights of agate; ivory paintings, inlaid woodwork, ebony and sandal wood, papier-mâché work, native paintings, enamel work, tanned skins, pith hats, model of a mosque in pith, marble carvings, coffee berries, lacquered ware, hookah and stem, oil paintings, chintzes, models of agricultural implements, pictures of Indian scenery, blue twist, steatite cups, tobacco (raw and manufactured), cinchona barks, collection of indigenous woods, samoran, photographs, figures of natives representing various castes.
- From Mr. Chisholm (India)—Samples of coffee.
- From the Executive Commissioner for the Straits Settlements, (M.I.E.)—Specimens of minerals, tin splash, models of boats, soils, mats, slippers, fibre, woods, goblet, cup and tray of tin, model of a barrow, tea, guttapercha, sleeping mat, papier-mâché vase, brass ware (native), gambier, rubber, gum, copal, tapioca, spices, vegetable tallow, dragon's blood, incense, sticks, part of a guttapercha tree, rattan, tin ores, hats, rhinoceros horn (carved), sandals, cocoanuts, native papers, coolie receipts, box for betel-nut and gambier, damar resin of various kinds.
- From Mr. G. Sarfatti (Italy)—Specimens of liquorice root, asbestos rope, salt, sulphur, galvano root, wire netting, tobacco, sumach, rice, artificial leather, straw, tapestry, oils.
- From the Australian Museum (on loan)—Samples of wool, cables, and model of a spinning machine.
- From Mr. Patterson (N.S.W.)—Specimen of building stone.
- From Box's Patent Ball Castor Company (England)—Specimens of ball castors.
- From Messrs. Gostling and Company (London)—A large exhibit of window mullions, voussoirs, kerbs, balustrades, &c., in Portland cement.
- From Messrs. Mander Brothers (England)—A collection of varnishes and colours.
- From Mr. Herrenschmidt (N.S.W.)—Antimony ores.
- From Messrs. Breithaupt and Son (Germany)—Diagrams of mathematical instruments.
- From the Società Terra Bolari (Italy)—Specimens of ochres and other earthy pigments.
- From Jas. Thompson and Company (England)—Specimens of fillet cards in Swedish iron wire.
- From La Société Anonyme de la Fabrique de fer d'ougrée (Belgium)—An exhibit, with show case, of specimens of iron.
- From the British and Foreign Blind Association—An exhibit showing methods for teaching the blind.
- From Daniel de Pass (England)—Specimens of guano.
- From Thos. Farmer and Co. (London)—Chemicals.
- From the Geographical Bureau, Tokio (Japan)—A collection of maps and reports.
- From Messrs. Chance Brothers (England)—Specimens illustrating the manufacture of window glass.
- From F. Rammé (Hamburg)—Anatomical models.
- From J. Borgfeldt (Germany)—Specimens of cork carvings.
- From Messrs. Askham Brothers and Wilson (England)—Specimens of steel.
- From Mrs. H. Vansittart (England)—Model of a ship's screw propeller.
- From J. Trant Fischer (Sydney)—Specimens of Indian tea seeds.
- From Mr. Alfred Roberts, M.R.C.S.E. (Sydney)—Specimens of tea.
- From L. Nicolls (England)—An exhibit illustrative of the manufacture of cricket bats.

APPENDIX V.

LIST of Specimens purchased :—

From Mr. Van Derkelen (Belgium).—Specimens of imitation delft ware.
 From Messrs. M'Ewan and Company—Specimens of Irish Belleek-ware.
 From the Japanese Court, M.I.E.—A magic mirror.
 From Mr. Schulze (Germany)—
 Models of agricultural implements, specimens of German ironware.
 From the Ceylon Court, M.I.E.—
 Model of an oil-pressing machine; also, a collection of Ceylon woods.
 From Messrs. Pfaff, Reichenbach, and Company—Specimens of German imitation stoneware.

From G. Sarfatti (Italy)—Specimens of raw and waste silk, whetting-stones, varnishes, starches, ozokerite, hemp, lead and shot in various stages of manufacture, paper, bent wood in form of wheel, cameos and shells, lava carving, spun glass and beads, hand-made lace, alabaster, pottery, table of volcanic cement.
 From Messrs. Webb and Sons—Specimens of glassware.
 From Messrs. Christoffe et Cie. (Paris)—A complete series of electrotype reproductions of the ancient Roman works of art discovered at Hildesheim, Germany, in 1868.

Sydney : Thomas Richards, Government Printer.—1882

[1s. 3d.]