

1883-4.

NEW SOUTH WALES.

AUSTRALIAN MUSEUM.

(REPORT OF THE TRUSTEES FOR 1883.)

Presented to Parliament, pursuant to Act 17 Vict. 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 thirtieth Annual Report.

1. The Museum has continued open to the public during the year 1883 daily (except on Mondays), and the steady increase in the numbers availing themselves of it for instruction or recreation shows how extensively it is appreciated. The largest attendance on any one day was on the 26th December, when 1,707 persons were registered at the doorway. The greatest Sunday attendance was 1,473, on the 26th August. The average daily number of visitors throughout the year was 330 on week-days and 986 on Sundays.

2. The Museum collections have been very much enlarged, by means of purchases, exchanges, and collecting expeditions, as well as by donations received during the year. Among the principal specimens acquired may be mentioned a large assortment of New Guinea birds and above 2,000 ethnological specimens:—the latter comprising implements of war and of industry, articles of clothing, canoes, &c., from the Islands. There have also been received skeletons and skins of a gorilla and an hippopotamus, with a number of lemurs and other foreign mammals. These have been mounted on the premises; and some cartilaginous skeletons of sharks and other fishes have also been admirably prepared by the employés of the Museum.

3. Considerable progress has been made in the erection of show-cases for the display of specimens. A portion of the upper floor has been fitted, at a cost of £1,500 and upwards, with wall cases, in which the Australian and foreign birds have been arranged. Numerous other cases have been provided where required, admitting the display of a great number of specimens which had hitherto been in the store-room.

4. The want of sufficient room in the present building is continually felt, and the Trustees again desire respectfully to urge on the Government the necessity for its enlargement. An annual allowance of £200 would enable the Curator to procure a suitable residence, and thereby place at the disposal of the Trustees the rooms hitherto necessarily occupied by him and his family. An additional shed is being erected in the grounds, which will be used as a store for empty boxes, timber, and other material. By relieving the cellars of the Museum, this will give a little more room for the storage of undisplayed specimens.

5. The cataloguing of the contents of the Museum is still in progress. Catalogues of the Fossils and of the Minerals have been published, and one of the Hydroid Zoophytes is in the printer's hands. The Library has also been arranged, and a complete descriptive catalogue of the books been printed. A Guide to the Museum, prepared under the direction of the Trustees, by Mr. Haswell, the Acting Curator, has been published in a popular form, containing information useful equally to the student and to casual visitors. This was issued about the end of October, and by the close of the year about 1,000 copies were sold.

6. At the instance of the Fisheries Commission, the Trustees sent a large collection of fishes to the International Fisheries Exhibition in London. Mr. Ramsay, Curator of the Museum, was commissioned by the Government to proceed to London in charge of the exhibits, and was granted leave of absence by

this Board for the purpose. His reports, as well as information received otherwise, convey very gratifying intelligence regarding the success of the New South Wales Court, the honors obtained, and the probable advantages to the Colony and to Australia generally as the results of the Exhibition.

7. Mr. Ramsay's absence in Europe has been taken advantage of by the Trustees by instructing him to visit various Museums, Zoological Stations, and Aquaria, to gain any information which may be made available for the improvement of this Museum on his return.

8. Exhibits have also been sent from the collections of this Museum to the Exhibitions held at Amsterdam and at Calcutta. These will be advantageously used for purposes of exchange.

9. Mr. W. A. Haswell, M.A., B.Sc., was appointed Acting Curator during Mr. Ramsay's absence; and he has performed all the duties of that office with great zeal and ability, to the entire satisfaction of the Board.

10. The only change among the elective Trustees has been the election of W. J. Stephens, Esq., M.A., Professor of Natural History at the University, in the place of the Honorable A. Stuart, who on taking his present position became an Official Trustee. The seat of Chr. Rolleston, Esq., C.M.G., late Auditor-General, is now occupied by his successor in office, E. A. Rennie, Esq.

11. Annexed to this Report are the following Appendices, giving details of many of the subjects referred to in the preceding paragraphs:—

- I.—Annual Balance-sheet.
- II.—Attendance of Visitors.
- III.—Attendance of the Trustees.
- IV.—Specimens purchased.
- V.—Exchanges.
- VI.—Donations.
- VII.—Specimens collected.
- VIII.—Books acquired.
- IX.—Work done by Taxidermist and Articulator.
- X.—Specimens sent to Fisheries Exhibition.
- XI.—Specimens sent to Amsterdam and Calcutta.

The Common Seal of the Museum is affixed by order of the Board, this
sixth day of May, 1884.

S. SINCLAIR,
Secretary,

(L.S.)

ALFRED STEPHEN,
Crown Trustee and Chairman.

APPENDIX I.

BALANCE-SHEET of the Trustees of the Australian Museum, for the year ending 31st December, 1883.

RECEIPTS.	£ s. d.	£ s. d.	EXPENDITURE.	£ s. d.	£ s. d.
Balance from 31st December, 1882.....		3,628 7 6	Collection of specimens	378 13 0	
The Hon. the Colonial Treasurer—			Exploration of caves and rivers.....	19 4 6	
Curator	600 0 0		Purchase of specimens	727 13 11	
Assistant Curator	175 0 0		" large mammals	120 0 0	
Assistant Taxidermist	175 0 0		" ethnological specimens	829 4 1	
To meet the expense of opening the			" books	308 15 10	
Museum on Sundays.....	200 0 0		" specimens of building stones	210 13 5	
Collection of specimens of natural			Show-cases	2,583 11 10	
history.....	300 0 0		Bottles	8 5 0	
For purchase of specimens	500 0 0		Furniture	106 18 1	
" books	500 0 0		Travelling expenses.....	100 0 0	
Scientific descriptive catalogue of the			Formation of catalogues	549 1 0	
collections in the Museum	750 0 0		Opening the Museum on Sundays	200 0 0	
Additional endowment for general			Curator's salary	500 0 0	
purposes	1,000 0 0		Curator's assistant	175 0 0	
Purchase of show-cases.....	2,000 0 0		Ticket-writer	200 0 0	
Travelling expenses	100 0 0		Night watchman	83 6 8	
Furniture	100 0 0				7,100 7 4
Purchase of larger mammals not re-			Refunds to the Colonial Treasurer		412 15 7
presented in Museum			Endowment account—		
Night watchman	100 0 0		General salaries	1,009 16 0	
Specimen bottles	200 0 0		Secretary	250 0 0	
Ticket-writer and lithographer	200 0 0		Taxidermist's materials	16 13 9	
Exploration of caves and rivers			Chemicals	130 7 2	
For purchase of collection of ethnolo-			Stationery	47 12 5	
gical specimens to replace those			Charges, exchanges, postages, &c.....	7 8 10	
lost in fire at Garden Palace	1,000 0 0		Freights and Customs charges	75 2 3	
		7,900 0 0	Sundries	51 7 6	
Endowment for 1883 under Act of			Ironmongery	34 1 11	
Incorporation.....		1,000 0 0	Insurance	22 10 0	
Formation of a Technological Museum		3,225 0 0	Timber	0 16 9	
Fisheries Commission, for share of ex-			Fuel	18 14 0	
penses connected with the Inter-			Scientific apparatus	48 2 0	
national Fisheries Exhibition		206 3 4	Advertising, &c.	8 9 6	
					1,721 2 1
			Technological Museum		3,225 0 0
			Fisheries Exhibition expenses—		
			Acting Curator's salary	416 13 4	
			Sundries	159 6 11	
					576 0 3
					£ 13,035 5 3
			Balance		2,924 5 7
		£ 15,959 10 10			£ 15,959 10 10

26 February, 1884.—Examined and found correct.

JAS. NORTON, }
R. HUNT, } Auditors.

APPENDIX II.

ATTENDANCE OF VISITORS DURING 1883.

	Week-days.	Sundays.
January	10,125	3,673
February	5,922	3,319
March	8,352	4,127
April	5,437	5,075
May	8,147	4,849
June	7,113	4,578
July	7,132	4,962
August	6,805	4,757
September	6,368	5,082
October	6,370	3,428
November... ..	6,503	3,238
December... ..	7,840	4,199
	86,114	51,287
Total	137,401	
Attendance for 1882—		
Week-days		81,596
Sundays... ..		52,505
Total		134,101

APPENDIX III.

APPENDIX III.

ATTENDANCE OF THE TRUSTEES DURING 1883.

Official Trustees.

His Honor the Chief Justice	...	...	...	...	0
The Honorable the Colonial Secretary	...	...	...	...	0
The Honorable the Attorney-General	...	...	...	...	0
The Honorable the Colonial Treasurer	...	...	...	...	0
The Auditor-General	...	...	...	...	5
The Collector of Customs	...	...	...	...	0
The Surveyor-General	...	...	...	...	2
The Colonial Architect	...	...	...	...	0
The President of the Medical Board	...	...	...	...	9

Crown Trustee.

The Honorable Sir Alfred Stephen, C.B., K.C.M.G., M.L.C.	..	14
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Elective Trustees.

J. C. Cox, Esq., M.D., F.L.S.	...	...	...	...	18
J. Belisario, Esq., D.D.S.	...	...	...	...	8
A. Liversidge, Esq., F.R.S., Professor of Chemistry and Mineralogy, Sydney University	...	...	...	...	6
The Hon. Jas. Norton, M.L.C.	...	...	...	...	18
Sir Alfred Roberts, M.R.C.S., Knt.	...	...	...	...	5
H. H. B. Bradley, Esq.	...	...	...	...	8
Robert Hunt, Esq., F.G.S.	...	...	...	...	19
Chas. Moore, Esq., F.L.S.	...	...	...	...	7
C. Smith Wilkinson, Esq., F.G.S.	...	...	...	...	8
The Hon. P. G. King, M.L.C.	...	...	...	...	4
The Hon. W. A. Brodribb, M.L.C.	...	...	...	...	14
W. J. Stephens, Esq., M.A., Professor of Natural History, Sydney University	...	...	...	...	8

Number of Board Meetings during the year ... 28

APPENDIX IV.

SPECIMENS PURCHASED.

Mammals :—57 species—74 specimens.
Birds :—242 species—1,206 specimens.
Reptiles and Amphibia :—28 species—73 specimens.
Fishes :—76 species—263 specimens.
Insecta :—11 species—13 specimens and small collections.
Myriopoda and Arachnida :—5 species—6 specimens.
Crustacea :—6 species—6 specimens.
Mollusca :—4 species—8 specimens.

Ethnological Specimens :

120	specimens from New Ireland.
201	" " Admiralty Islands.
28	" " Mexico.
2	" " Lord Howe Island.
4	" " California.
1,149	" " New Guinea.
41	" " San Christoval Island.
19	" "
39	" " Bougainville Island.
79	" " New Britain.
5	" " Ulava Island.
20	" " Peru.
10	" " Yukatan.
5	" " Uji Island.
4	" " Maylata Island.
1	" " Santa Cruz.
2	" " St. Anna Island.
120	" " Solomon Islands.
6	" " Duke of York Islands.
38	" " Byron Straits Islands.
18	" " Hermit Island.
2	" " Caroline Islands.
10	" " Sir Charles Hardy Island.
7	" " Anchorite Island.
1	" " Cateret-nine Island.
41	" " Rapanui Island.
12	" " Samoa.
3	" " Fischer Island.
43	" " New Ireland.

APPENDIX V.
EXCHANGES, 1883.

Received from.	Forwarded to.
J. H. Garnier, Esq., M.D., Canada.	
Birds :—131 species—171 specimens.	Mammals :—6 species—7 specimens. Birds :—62 species—83 specimens. Reptiles :—36 species—76 specimens. Amphibia :—12 species—16 specimens.
Brisbane Museum, Queensland.	
Mammals :—1 species—2 specimens. Fish :—1 species—1 specimen.	Mammals :—5 species—6 specimens. Birds :—85 species—150 specimens. Fish :—1 prepared skeleton of Shark.
G. E. Mason, Esq., London.	
Mammals :—7 species—7 specimens. Birds :—5 species—12 specimens. Fishes :—1 species—1 specimen.	Amphibia :—45 species—77 specimens.
Educational Museum, Tokio, Japan.	
Mammals :—1 species—1 specimen. Birds :—5 species—5 specimens. Reptiles :—2 species—2 specimens. Fishes :—8 species—8 specimens.	Mollusca :—
South Australian Institute, Adelaide, S.A.	
Specimens lost in the Garden Palace.	Ethnological :—40 specimens.
Mons F. Bouvier, Marseilles.	
Specimens received in 1882. Coleoptera :—193 species—1,360 specimens.	Insects :—141 species—268 specimens. And other Australian specimens.
Mon. Lamarke de Rossius, Liege, Belgium.	
	Lepidoptera and Coleoptera :—100 species—170 specimens.
The Royal Museum, Brussels.	
Fish, fossils, shells, &c., now on the way to Sydney.	Fossil bones :—86 specimens.
Professor J. M. Tyler, Amhurst College, Mass., U.S.A.	
	Skulls of Mammals :—24 species—25 specimens. Echinodermata :—38 species—122 specimens. Crustacea :—5 species—18 specimens.
Count Salvadori, Turin.	
	Birds :—28 species—50 specimens.
The Port Adelaide Museum, S.A.	
	Fish :—1 species—1 specimen.
Dr. Robertson.	
	Photos. of Fishes :—29 species—30 specimens.
Professor Denton.	
Fossils from the Palæozoic Rocks of North America—(Not yet received.)	Fish :—1 species—1 specimen. Fossil bones :—A collection of. Photos. of Wellington Caves :—A collection of.
The Linnaea Institute, Frankfort.	
	Shells :—33 species—254 specimens. Insects :—167 species—167 specimens.
The Hon. Wm. Macleay, Sydney.	
	Fishes :—16 species—26 specimens.
Colonial Museum, Wellington, N.Z.	
Birds :—2 species—2 specimens.	Crustacea :—44 species—127 specimens.

Received from.	Forwarded to.
Professor Dawkins, Victoria University, Manchester.	Ceratodus forsterii :—1 specimen.
Indian Museum, Calcutta.	
Indian Mammals :—15 specimens.	
Professor J. W. Clarke, Cambridge, England.	Bones of Cetacea :—7 specimens.
Porpoise :—(Not yet received).	
Dr. Wild, s.s. "Marsala."	Mammal :—1 specimen.
Skulls of Mammals :—(Not yet received).	

APPENDIX VI.

DONATIONS, 1883.

Specimen.	Donor.
1.—Mammals.	
A Seal-skin— <i>Otaria cinerea</i> ...	Mr. Barnett.
A large Flying Phalanger— <i>Petaurista taguanoides</i> ...	Mr. W. B. Langton.
A Platypus skin— <i>Ornithorhynchus anatinus</i> ...	Mr. Dufoil.
A Black Rat— <i>Mus rattus</i> ...	Mr. W. Chaffer.
A Flying Squirrel— <i>Petaurista taguanoides</i> ...	Mr. W. B. Langton.
<i>Halmaturus ualabatus</i> ...	Mr. C. Roberts.
A Black Rat— <i>Mus rattus</i> ...	Mr. Thos. Beate.
3 Flying Squirrels— <i>Petaurista taguanoides</i> ...	Mr. W. B. Langton.
A Kangaroo— <i>Macropus major</i> (juv.)...	Zoological Society.
An Echidna— <i>Tachyglossus aculeatus</i> ...	Mr. J. McDonald.
A Native Cat— <i>Dasyurus maculatus</i> ...	Mr. S. W. Pye.
A Bandicoot— <i>Perameles nasuta</i> ...	Mr. Enoch Cobercroft.
A young Native Bear—(Fœtus)— <i>Phascolarctos cinereus</i> ...	Mr. Jabez Joils.
A Wallaby— <i>Halmaturus</i> sp. ...	Director, Botanic Gardens.
A Kangaroo— <i>Macropus major</i> ...	Zoological Society.
A Black Rat— <i>Mus rattus</i> ...	Mr. T. Peate.
A Squirrel...	Miss Mitchell.
A Kangaroo Rat— <i>Bettongia greyi</i> ...	Mr. Geo. Miller.
A fractured Bone of a Bullock...	Mr. C. A. Roberts.
A Racoon— <i>Procyon lotor</i> ...	Zoological Society.
A Flying Squirrel— <i>Belideus breviceps</i> ...	By rail—no name.
A Tiger Cat— <i>Dasyurus maculatus</i> ...	Dr. J. C. Cox.
An Albino Bear— <i>Phascolarctos cinereus</i> (juv.)...	} Mr. Roberts.
A <i>Hydromys chrysogaster</i> ...	
A Flying Mouse— <i>Acrobates pygmae</i> ...	Messrs. D. & R. Bradford.
A Gray's Whale— <i>Kogia grayi</i> ...	Mr. Clarke.
A Native Bear— <i>Phascolarctos cinereus</i> ...	Zoological Society.
A two-headed Calf...	Mr. H. F. Ginger.
A Rat— <i>Phascogale penicillatus</i> ...	Mr. T. H. F. Gribbin.
2 <i>Centetes ecaudatus</i> ...	} Director, Botanic Gardens.
1 Mongoose— <i>Herpestes griseus</i> ...	
A Flying Fox— <i>Pteropus</i> ...	Capt. Brodie.
A <i>Phalangista fuliginosus</i> ...	Zoological Society.
6 <i>Centetes ecaudatus</i> ...	Director, Botanic Gardens.
A <i>Pteropus</i> sp. ...	Officers of H.M.S. "Dart."
A Flying Squirrel— <i>Belideus flaviventer</i> ...	Mr. A. Murray.
A Fœtus of a Sheep...	Mr. Henry Dodds.
A Marmoset— <i>Midas illigeri</i> ...	Miss Sinclair.

Specimen.	Donor.
<i>2.—Birds.</i>	
4 Trichoglossus nigrogularis...	Capt. Brodie.
Haliastur indus ...	
Caloenas nicobaricus ...	
Nycticorax manillensis ...	
Sterna media ...	
Sterna sp. ...	
2 Actitis impusa ...	
2 Totanus pulverulentus ...	
Calornis metalica ...	
Haleyon sanctus ...	
Malformed Egg of Game Fowl ...	Mr. J. Elliott.
Coccyzus labelliformis ...	Mr. A. Campbell.
Lobivanellus lobatus (juv.) ...	Mr. J. A. Thorpe.
2 African Love Parrots—Agapornis roseicollis ...	
A Java Finch—Amadina sp. ...	Mr. W. Adam.
Plotus novæ-hollandiæ ...	
A Cassowary—Casuarius bennettii ...	Zoological Society.
Lyre-bird—Menura superba ...	Mr. A. Murray.
Tinnunculus cenchroides ...	
Platycercus pennantii ...	
Ægialitis nigrifrons ...	
2 Calyptorhynchus funereus ...	Mr. George Wright.
Lobivanellus lobatus ...	Mr. J. A. Thorpe.
2 Pardalotus assimilis, ♂ and ♀ ...	
A Hawk—Accipiter cirrhocephalus ...	Mr. Stein.
A Pygmy Goose—Nettapus albigularis ...	Master W. C. Browne.
A Platycercus eximius ...	Mr. J. A. Thorpe.
5 Platycercus pennantii ...	
Aprosmictus scapulatus ...	Mr. Stringer.
2 Gang-gang Parrots—Callocephalon galeatum ...	Mr. Jno. Brown.
A Fish-hawk—Haliaetus leucogaster ...	Zoological Society.
A Bustard—Otis australis ...	Mr. Jno. Brown.
Polytelis barrabandii ...	Zoological Society.
A Pigeon—Goura coronata ...	Director, Botanic Gardens.
A Podargus—Podargus strigoides ...	
A Finch—Estrela sp. ...	Zoological Society.
A young Emu—Dromaius novæ-hollandiæ ...	
A Hawk—Hieracidea berigora ...	By rail—no name.
A Lyre-bird—Menura superba ...	Mr. J. Barnett.
A Peacock—Pavo cristata ...	Mr. Devlin.
6 Finches—Donacicola ...	Director, Botanic Gardens.
A Turtur suratensis ...	
Eclectus polychlorus ...	Mr. Billingham.
A Quail—Coturnix varius ...	Mr. H. Newcombe.
Edicnemus grallarius ...	
Ptilotis fusca ...	Mr. J. A. Thorpe.
„ ornata ...	
A Pheasant—Phasianus sp. ...	Zoological Society.
A Cassowary—Casuarius bennettii ...	
Edicnemus grallarius ...	Mr. J. A. Thorpe.
2 Ptilotis auricularis ...	
A Parrot ...	Mr. F. E. Herrman.
An Ibis ...	
A Pheasant ...	Hon. Jas. Norton.
A nest of Origma rubricata ...	
A malformed egg ...	Mrs. Stanley.
A Hawk—Hieracidea berigora ...	Mr. Murray.
A Parrot ...	Rev. P. Macpherson
Geopelia placida ...	Director, Botanic Gardens
Astur approximans ...	
Eurystomus pacificus ...	Mr. J. A. Thorpe.
Larus pacificus ...	
Ptilonopus swainsonii ...	Mr. J. B. Martin.
A Fijian Parrot—Lorius solitarius ...	Miss Camp.
A Podargus—Podargus cuvieri ...	
A Sea Eagle—Haliaetus leucogaster ...	Mr. A. Murray.
A King Parrot—Aprosmictus scapulatus ...	
A Black Cockatoo—Calyptorhynchus funereus ...	Mr. E. S. Cape.
An Albino Magpie—Gymnorhina tibicen ...	
A Vulture—Vultur ...	Mr. Chas. Moore.
A Cassowary—Casuarius bennettii ...	Zoological Society.
A Nankeen Crane—Nycticorax caledonicus ...	Mr. J. E. Gordon.
A Hybrid Finch—(Donacicola ?) ...	Director, Botanic Gardens.

3—*Reptiles and Amphibia.*

A Sea Snake	Mr. Lyons.
Grammatophora barbata	Mr. L. Matthews.
Pygopus lepidopus and egg	Hon. Jas. Norton.
A Snake—Vermicella	Mrs. Weaman.
A Frog—Lymnodynastes dorsalis	Mr. R. Ray.
A Black Snake—Pseudechis porphyriacus	Mr. Jabez Joils.
Pygopus lepidopus	Mr. John Jacobs.
A Death Adder—Acanthophis antarctica	Mr. J. H. Davis.
Do Acanthophis "	Mr. Jabez Joils.
A Snake	Mr. T. H. Black.
A Snake—Brachysoma diadema	Mr. P. Hayes.
2 Death Adders—Acanthophis antarctica	Hon. Jas. Norton.
1 Small Frog—Pseudophryne australis	Mr. G. Guest, junr.
A Death Adder—Acanthophis antarctica	Mr. M. O'Shea.
A Gecko—Phyllurus sp.	Mr. Jas. Leeming.
A Ringed Snake—Vermicella annulata	Mr. L. Cervetts.
Do do	Mr. J. M'Cooney.
A Snake—Brachysoma diadema	Mr. John Toohey.
Typhlops ruppellii	Zoological Society.
A Ringed Snake—Vermicella annulata	Mr. G. Carty.
A Death Adder—Acanthophis antarctica	Mr. J. Poulton.
A young Crocodile—Crocodylus porosus	Dr. J. C. Cox.
A Gecko—Phyllurus sp.	Mr. E. H. Stewart.
2 Blind Snakes—Typhlops sp.	Captain Miller.
1 Turtle (young)—Chelonia midas	Mr. Andrew Davison.
A Gecko—Diplodactylus ornatus	Mr. Samuel Shaw.
A Boa Constrictor	Mr. Reinitz.
A Blind Snake—Typhlops	Mr. W. Davis.
A Lizard—Grammatophora barbata	Professor Stephens.
A Pygopus squameiceps	Mr. J. Miles.
A Water Lizard—Lophognathus Gilberti	Mr. D. Keenan.
A Hatteria—Hatteria punctata	Mr. J. E. T. Warner.
A Ringed Snake—Vermicella annulata	Mr. H. B. Bradley.
A Snake	
A Diamond Snake—Morelia spilotis	Mr. J. Strugnell.
A Shingle-back Lizard—Trachydosaurus rugosus	Mr. E. M'Kinlay.
Pygopus squameiceps	Master A. W. Reloph.
A Snake-like Lizard—Pygopus squameiceps	Master C. Tyrell.
A Ringed Snake—Vermicella annulata	Mr. W. Jones.
Blue-tongued Lizard—Cyclodus gigas	Miss Leabon.
A Lizard	Mr. J. G. Larsen.
A Carpet Snake—Morelia variegata	Mr. J. L. King.
Skin of a Carpet Snake	Mr. Croft.
A small Frog	Mr. J. Jackson.
Blind Snake—Typhlops ruppelli	Mr. H. Ryding.
2 Typhlops ruppelli	Officers of H.M.S. "Dart."
A Death Adder—Acanthophis antarctica	Mr. Mariette.
Do do	Mr. A. Murray.
A Snake—Engyrus sp.	Mr. G. Wangenheim.
A Tiger Snake—Hoplocephalus curtus	Mr. Jas. Stainer.
A Brown Snake—Diemenia superciliosa	Mrs. E. Knight.
Cyclodus gigas	Rev. G. Brown.
Grammatophora barbata	Mr. A. Longe.
A Slow-worm—Pygopus lepidopus	Mr. Chas. Taylor.
A Tortoise	Mr. S. Lundberg.
A Python—Liasis sp.	Mr. Sawtell.
A Phyllurus inermis	Mr. J. Crumpton.
A Black Snake—Pseudechis australis	Mr. Gannon.
Do do do	
Do do do	
A Ringed Snake—Vermicella annulata	
A Brown Snake—Diemenia superciliosa	

4.—*Fishes.*

A collection of 57 fishes from Lord Howe Island	...	...	...	...	...	...	Mr. Adams.
A few small fish	...	...	...	...	...	...	Mr. W. Stephens.
A small collection of young fish	...	...	...	...	...	...	
Serranus sp.	...	...	...	...	...	...	
Gobius sp.	...	...	...	...	...	...	
Balistes	...	...	...	...	...	...	
Apogon	...	...	...	...	...	...	Captain Braithwaite.
Blennidae	...	...	...	...	...	...	
Scorpena	...	...	...	...	...	...	

[illegible]

Specimen.	Donor.
4.— <i>Fishes—continued.</i>	
Plectropoma annulatum	Mr. G. R. Eastway.
A Pilot-fish—Nauclerus ductor	
2 Bellone krefftii	Dr. J. C. Cox.
Girella tricuspidata	
Sphyræna obtusata	
Lates colonorum	
Sillago maculata	Mr. H. Davis.
A Dog-fish—Scyllum sp.	
A Flying Gurnard—Trigla kumu	Mr. Geo. O'Mara.
A Whiting—Sillago bassensis	
A Rock-cod—Plectropoma ocellatum	Dr. J. C. Cox.
3 Salmon—Arripis salar	
Mugil peronii	
Myxus elongatus	
Caranx georgianus	Captain Childs.
A Shark—Carcharodon rondeletii	
A Box-fish—Acanthopterygion lenticularis	Mr. Edward Jordan.
2 Enoplosus armatus	
A Blenny—Blenius sp.	Dr. J. C. Cox.
2 Kathetostoma laevis	
Psilopterygion coxii	
2 Parrot-fish—Labridichthys sp.	
3 Rays	Mr. Richard Thorpe.
A Saw-fish—Pristiophorus cirrhatulus	
3 Gurnards—Trigla sp.	
2 Fresh-water Fish—Galaxias sp.	
1 Brama Australis	Inspector Seymour.
2 Caranx georgianus	
2 Scorpius equispinnis	Mr. J. Andrews.
2 Opisthognathus jacksonensis	
6 Galaxias coxii	Mr. Wilson.
2 Chelmo trochilus	
Odax semifasciatus	Mr. W. Pritchard.
2 Galaxias sp.	
A Spotted Dog-fish—Chiloscyllium ocellatum	Dr. J. C. Cox.
A Small Box-fish—Ostracion sp.	
Head and Tail of Shark	Master R. J. Thorpe.
Chironemus marmoratus	
Cestracion (Heterodontus) phillipi	Nimrod Fishing Club.
2 Trachichthys sp.	
A Sea Horse—Hippocampus	Mr. C. Twemlow.
	Mr. H. Croft.
	Dr. J. C. Cox.

5.—*Insecta.*

A Beetle	Mr. H. Hardy.
Antheræa sp.	Mr. A. J. Parker.
A Butterfly	Mr. R. Patterson.
A Beetle—Schizorhina australis	Mr. C. Mansfield.
A Moth—Erebus pluto	Mr. F. Elsworth.
A Butterfly	Mr. J. Jones.
A Rare Beetle—Zophorossus georgei	Mr. E. G. W. Palmer
The Chrysalis of Euploea sp.	Mr. F. Doberer.
Male and Female of a Moth—Æcinea scottii	Bishop of Grafton, &c.
Chrysalis of a Butterfly	Mr. C. W. Hursch.
A Leaf Insect—Extatosoma tiaratum	Mr. Reich.
An Ichneumon Fly—Megalyra fascipennis	Mr. J. McNeill
14 Beetles	Mr. F. Ratte.
Specimens of White Ants, Termites, &c.	Mr. R. Echlin.
A Mantis	Mr. Chas. Cavanagh.
A Silk Moth—Attacus cynthia	Mr. F. J. Hitchins.
A Caterpillar	Mr. J. H. Wettach.
Do.	Mr. J. Bunyan.
Do.	Mr. Chant.
Do.	Mr. Ed. Buckman.
A Mantis	Mr. J. Dunshea.
2 Moths—Sphinx ligustri	Mr. Saml. Stow.

Specimen.	Donor.
<i>6.—Myriopoda and Arachnida.</i>	
3 Spiders, 2 sp.—Gasteracanthus ...	Mr. Stephens
Small collection of Spiders ...	
1 Spider ...	Mr. H. A. Senihan.
1 Spider—Gasteracanthus sp. ...	Mrs. R. D. Alcock.
Do do sp. ...	Mr. J. Simpson.
1 small red-backed Spider—Latrodectes sp. ...	Mr. Griffen.
1 small Spider ...	
2 Spiders ...	Miss A. F. Spencer.
A Scorpion ...	Mr. C. McA. King.
A Centipede—Heterostoma sp. ...	Mr. R. Patterson.
A Millipede—Julis ...	Mr. J. C. Knight.
A Centipede—Heterostoma ...	Mr. D. J. Doherty.
Do do ...	Mr. R. Cottman.
Do do ...	Mr. Fras. Eames.
Do do ...	Master Cracknell.
A Spider ...	Mr. T. John, junior.
Do ...	Miss Dora Goff.
Do ...	Mr. J. W. Bardsley.
A Scorpion ...	Mr. Jabez Joils.
Do ...	Mr. G. H. Gower.
A Water Scorpion—Nepa ...	Bishop of Grafton.
<i>7.—Crustacea.</i>	
Atergatis floridus ...	Capt. Braithwaite.
Xantho huonii ...	
Thalamita stimpsonii ...	
Etisus levismanus ...	
Etisus sp. ...	
Gelasimus armatus ...	
Calappa hepatica ...	
Eriphia sp. ...	Mr. R. Thatcher.
Gonodactylus chiragra ...	
1 Birgus lobatus ...	Mr. T. D. Smeaton.
3 Calianassa sp. ...	
1 Pagurus ...	
3 Cymodicea sp. ...	Mr. N. Thompson.
Collection of crustacea ...	Dr. J. C. Cox.
3 Crabs—Platyonychus ...	Mr. A. Newcombe.
Astacopsis sp. ...	Mr. J. F. Reynolds.
A Hermit Crab ...	
<i>8.—Mollusca.</i>	
An Octopus ...	Captain Braithwaite.
A cluster of Drift Oysters—Ostrea glomerata ...	Mr. Woodward.
A Bottle with Oyster affixed—Ostrea edulis ...	Dr. J. C. Cox.
A Shell—Unio sp. ...	Mr. C. A. Roberts.
An Octopus ...	Master J. H. Langton.
10 Ovulum hordaceum ...	Captain Braithwaite.
Spondylus sp. ...	Mr. Barraton.
Birostra voluta ...	
A Shell—Siliquaria ponderosa ...	Mr. W. Sommers.
<i>9.—Echinodermata.</i>	
2 Sand Stars ...	Dr. Bennett.
<i>10.—Vermes.</i>	
Sea-worm—Eunice gigas ...	Mr. W. Cook.
A Wire-worm—Gordius aquaticus ...	Mr. Lyons.
A Hair-worm do ...	Mr. J. B. R. Roberts.
<i>11.—Zoophyta, Spongida, &c.</i>	
A Sponge ...	Dr. J. C. Cox.
The Great Sea Pen—Sarcophtilus grandis ...	Mr. Jos. Haynes.
Do do ...	Through Dr. J. C. Cox.

Specimen.	Donor.
12.—Geological Specimens.	
A Fossil Coral	Hon. Jas. Norton.
A piece of Fossil Coral	Mr. Richd. Thorpe.
Geological Specimens from Tumut	Mr. G. G. Scott.
Minerals	Miss Leabon.
3 specimens of Stone (from Darling Range, West Australia)	Mr. J. Robinson.
A collection of Minerals	Mr. Selfe.
A collection of Fossils and Minerals	Mr. Bensusan.
Fragments of Fossil Bones of Kangaroo	Mr. J. M'Coll.
Mineral specimen from New England	Mr. T. Priest.
Pebbles from Illawarra	Mr. A. J. Thompson.
A collection of Minerals	Mr. F. Levey.
Crystallized Gold—a truncated octahedron... ..	Mr. F. Ratte.
Crystallized Gold, dendritic and in elongated octahedrons	
Alluvial Cinnabar (in small tube)	
Gypsum, in large crystals	
Asbolite (cobaltiferous wad)... ..	Mr. Weston.
Chromite (chrome iron ore)	
A few Fossils... ..	Mr. R. S. Barker.
Sulphur Crystals	

13.—Ethnological and Historical Specimens.

A Native Bowl (4' 2" high, 4' 2" wide)	Captain Leeman.
A Stone	Mr. T. H. Wills.
A Stone Fijian God	Dr. Mackay.
A Coin found in the ruins of Pompeii, 1809	Mr. T. H. Blick.
A Bible—date of publication, 1613... ..	
An Electric Light Globe from the s.s. "Austral"	Mr. J. S. Yuille.
A Swedish Silver Coin, worth $\frac{1}{6}$ of a shilling, reign of Oscar II... ..	Mr. C. E. Yornsten.
Piece of English Oak, from a tree brought out in a flower-pot by Sir W. Macarthur about eighty years ago, and cut down 22nd May, 1883	Mr. J. G. Larsen.
3 Danish Coins	Mr. J. G. Larsen.
3 German Coins	
A piece of petrified wood, found in a creek at Burrawang	Mr. W. Barrett.
A Native's Mask from New Ireland	Captain Wolsch.
2 Nose Ornaments	
An old Sydney paper, dated 1819	Captain Alex. Bell.
An old English paper, dated London, 1779... ..	Mrs. L. Kitchen.
Pieces of lead, &c., said to be perforated by white ants	Mr. R. Echlin.
A bronze Medal, commemorative of H.M. visit to Epping Forest	Corporation of London.
Skull of Queensland aboriginal	Officers of H.M.S. "Dart."
2 spears, 1 Ambrym mask, 1 Apia skull, 1 nose ornament, 1 wicker ornament worn at dancing ceremonies, 2 poisoned arrows, 1 water-bottle	
Overgrown Carving from a eucalyptus tree	Mr. Geo. Smith.

14.—Algæ.

Specimens of Seaweeds	Mr. Thos. Howlett.
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APPENDIX VII.

SPECIMENS COLLECTED—1883.

By A. MORTON, Curator's Assistant.

Fishes :—56 species—591 specimens.
Reptiles :—2 species—16 specimens.

By J. A. THORPE, Taxidermist.

Shells :—6 species.
Birds :—39 species—107 specimens.
Eggs :—6 eggs of *Coturnix varius*.
Mammals :—8 species—64 specimens.
Reptiles :—1 species—3 specimens.
Crustacea :—A collection.

By

By J. A. THORPE and J. BRAZIER.

Birds :—1 species—1 specimen.
Fishes :—5 species—11 specimens.

By J. A. THORPE and K. H. BENNETT.

Mammals :—2 species—2 specimens.
Birds :—7 species—9 specimens.

By K. H. BENNETT.

Mammals :—1 species—2 specimens.
Birds :—18 species—33 specimens.

By K. H. BENNETT and W. ADAM.

Mammals :—16 species—43 specimens.
Birds :—65 species—227 specimens.
Birds' Eggs :—2 species—9 specimens.
Skeletons :—3 species—5 specimens.
Reptiles :—16 species—72 specimens.
Amphibia :—2 species—5 specimens.
Insects :—Hornet's nest hardened by fire.
Myriopoda :—1 species—10 specimens.
Mollusca :—Collections.
Arachnida :—Collection.

APPENDIX VIII.

BOOKS RECEIVED DURING 1883.

1.—Periodicals.

Annals and Magazine of Natural History, Oct., 1882, to Nov., 1883.
The Geological Magazine, Oct., 1882, to Nov., 1883.
The Ibis, Oct., 1882, to Oct., 1883.
Nature, Nov., 1882, to Nov., 1883.
N. Z. Journal of Science, 1883.
Palaeontological Bulletin, parts 35, 36.
Zeitschrift für Wissenschaftliche Zoologie, vol. 38, parts 1-4, vol. 39, part 1.
Zoologischer Anzeiger, Nos. 115 to 152.
Journal de Conchyliologie, vol. 22, parts 2-4, vol. 23, parts 1, 2.
Comptes Rendus, Sep., 1882, to Nov., 1883.
Bulletin du Musée Royal de Belgique, 1882, parts 1-3.
Proceedings of the Zoological Society, 1882, parts 3-4; 1883, parts 1-3.
Transactions of the Zoological Society, vol. 11, parts 7, 8, 9.
Bulletin of the American Museum of Natural History, New York, vol. I, Nos. 2, 3, 4.

British Museum Catalogues of Books (Sec. A B 29 to 41, Sec. C 12, 13, Sec. D 17 to 23).
Mittheilungen aus der Zoologischen Station zu Neapel, band III, parts 3, 4, IV parts 1, 2, 3.
Quarterly Journal of the Geological Society, vol. 30, parts 1 to 4.
Archiv für Naturgeschichte, 1883, parts 1 to 5.
Proceedings of the Linnean Society of N.S.W., 3 parts.
Proceedings of the Geologists' Association, vol. 7, Nos. 6, 7, vol. 8, Nos. 1, 2.
Transactions of the Entomological Society, London, 1882, parts 3, 4, 5; 1883, parts 1, 2, 3.
Transactions of the Linnean Society of London, vol. 2, parts 1 to 5, Botany; vol. 2, parts 5 to 9, Zoology.
Bulletin de la Société Impériale de Moscou, 1882, parts 1, 2, 3, 4; 1883, parts 1, 2, and Table of Contents.

2.—Books purchased.

Hewitson's Exotic Butterflies, parts 89 to 95.
Annales del Museo Publico de Buenos Ayres, vol. 1, part 6.
Barrandes Recherches Paléontologiques, 22 vols.
Tryon's Land and Fresh-water Shells of America, Strepomatidae.
Adam's Contributions to Conchology.
Morphologische Jahrbuch, 1876 to 1883.
Annales des Sciences Naturelles, vols. 13 and 14, Zoologie.
Zoological Record, vol. 18.
Transactions of Zoological Society: Index to vols. 1-10.
Tryon's Manual of Conchology, vol. 4.
Geikie's Geology.

Fauna and Flora of the Gulf of Naples, parts 5-8.
Cassell's Natural History, 6 vols.
British Association Reports, 29 vols.
Seebold's British Birds, vol. 1.
Philosophical Transactions of the Royal Society, vol. 173.
Dobson's Monograph Insectivora, part 2.
Cornwall Polytechnic Society's Report for 1882.
Australian Handbook.
Cruise of the "Alert."
The Aquarium and its Structure, J. E. Taylor.
The Aquarium, 5 handbooks.
Palaeontological Society's Volume for 1883.
Roscoe's Elementary Chemistry.

3.—*Books presented to the Museum Library.*

- From Dr. Krantz, Bonn—
 Monographie der Pholadomyen, von Dr. C. Moesch.
 From Dr. Blankenhorn, Karlsruhe—
 Berichte des önologischen Institutes Karlsruhe,
 Blankenhornsberg, Mullheim.
 From E. D. Cope—
 On the Characters of the Skull in the Hadra-
 sauridae, &c.
 From the British Association—
 Reports, 23 vols.
 From the N.S.W. Fisheries Commissioners—
 Report of the Fisheries Commissioners.
 Fisheries Act, 1881.
 From the Amsterdam Exhibition Commissioners—
 N. S. Wales—its Progress and Resources, and
 Official Catalogue.
 From the Colonial Museum of New Zealand—
 Reports of Geological Explorations in New
 Zealand, 1881.
 Catalogue of New Zealand Diptera, &c., by F.
 W. Hutton.
 Annual Report.
 Transactions New Zealand Institute, vol. XV.
 Anniversary Address.
 Handbook of New Zealand.
 From the Indian Museum—
 Accessions to the Indian Museum.
 Annual Report, 1882-83.
 From Professor Parker—
 Development of the Skull in *Lepidosteus osseus*.
 Structure and Development of the Skull in
 Sturgeons.
 From the Government of Victoria—
 Papers respecting Phylloxera.
 Report of W. T. T. Dyer on Phylloxera Congress.
 Report of Commissioners to Bordeaux Exhibition.
 2 plates of Phylloxera.
- From the Government Printer—
 Statutes of N. S. Wales, 1883.
 Natural History of Victoria, Dec. 8.
 From the Belgian Government—
 Annales du Musée Royale, 6 parts, text and
 plates.
 From various Societies, Institutions, and Museums—
 Proceedings of the Royal Society of Edinburgh,
 1880-81.
 Smithsonian Institution Report, 1880.
 Report of the Royal Society of Tasmania, 1882.
 Sydney Free Public Library Report, 1882.
 Journal of the Bath and West of England
 Society, vol. 14.
 Indian Earthenware Pots.
 American Museum of Natural History, 14th
 Annual Report.
 Report of Victorian Museum, 1882.
 Catalogue of the Botanical Museum, Sydney.
 Transactions of the Highland and Agricultural
 Society of Scotland, vol. 4.
 Acclimatisation Society of Queensland, Reports,
 1881, 1882.
 Moore's Lepidoptera of Ceylon.
 Mittheilungen des Ornithologische Vereins in
 Wein, Jan. to Aug., 1883.
 Aperçu sur la Théorie de l'Evolution, par Dr.
 Netto.
 South African Museum Report, 1882.
 Government Central Museum, Madras, Report,
 1882-83.
 South Australian Institute Report, 1882-83.
 Edinburgh Museum of Science and Art Report,
 1882.
 Verhandlungen des Naturwissenschaftlichen
 Vereins, Karlsruhe.

APPENDIX IX.

SPECIMENS CURED AND MOUNTED AND OTHER WORK DONE BY THE TAXIDERMIST AND
ARTICULATOR.

<i>Mammals.</i>	
5 Specimens cured and mounted.	35 Specimens mounted.
140 Specimens skinned and preserved.	25 Specimens made up.
<i>Birds.</i>	
162 Specimens skinned and preserved.	2 Specimens re-made.
61 Specimens mounted.	
<i>Reptiles.</i>	
1 Specimen mounted.	1 Specimen skinned and preserved.
<i>Fishes.</i>	
16 Specimens skinned and preserved.	11 Specimens mounted.
<i>Insects.</i>	
Collection of Coleoptera set out.	Collection of Insects pinned out.
<i>Skeletons.</i>	
Mammals—2 specimens set up.	Amphibia—1 specimen set up.
Fishes—2 specimens set up.	
<i>Moulds and Casts.</i>	
Human skull—1 mould.	Fossils—9 moulds.
6 casts.	53 casts.
<i>Photographs.</i>	
158 Negatives.	810 Prints.

APPENDIX X.

APPENDIX X.

SPECIMENS SENT TO THE N.S.W. COURT OF THE INTERNATIONAL FISHERIES EXHIBITION, LONDON.

Algae—A collection from Port Jackson.
 Sponges :—50 species—140 specimens, from Port Jackson.
 Corals :—8 species, from Port Jackson.
 Bryozoa :—A considerable collection.
 Echinodermata :—A considerable collection.
 Crustacea :—18 species.
 Fishes :—127 Genera—180 species.
 Tortoises :—3 species.
 Seals :—3 specimens.
 Dugongs :—2 specimens.
 Birds :—10 genera—65 species.
 Photographs :—Representing about 100 species of fishes.

APPENDIX XI.

SPECIMENS SENT TO THE AMSTERDAM AND CALCUTTA EXHIBITIONS.

1. AMSTERDAM.

Australian Birds :—15 groups, comprising 173 specimens.
 Not grouped, 74 specimens.
 Leipoa ocellata, with eggs and chicks, 2 specimens.
 Mammals :—14 specimens.
 Fishes :—7 specimens.

2. CALCUTTA.

The above collections transferred from Amsterdam, and the following in addition :—

Mammals :—5 specimens.
 Fishes :—10 specimens.
 Reptiles :—2 mounted groups, comprising 22 specimens.

1883-4.

NEW SOUTH WALES.

TECHNOLOGICAL, INDUSTRIAL, AND SANITARY MUSEUM.

(REPORT OF THE COMMITTEE OF MANAGEMENT FOR 1883.)

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 the Fourth 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, namely, Sir Alfred Roberts, M.R.C.S., E. (Chairman); Professor Liversidge, F.R.S.; and Mr. Robert Hunt, F.G.S., Deputy-Master of the Mint.

2. The Museum (located at present in the Agricultural Hall in the Outer Domain), was thrown open to the public on the 15th December, 1883, and has already been visited by large numbers of people. It has been decided to open the Museum from 1 to 6 p.m., from the 1st October to the 31st March inclusive, and from 1 to 5 p.m. from the 1st April to the 30th September, while on Sundays the hours will be from 1 to 5 p.m. throughout the year.

3. Plans have been prepared, by order of the Government, for the accommodation of the Museum with the Free Public Library, in a large and handsome building to be erected at the eastern extremity of King-street. The Committee hope that the collections, which are rapidly increasing, may be placed at no distant date in a building more substantial and suitable, than the present one, for so important a Museum.

4. The number of specimens at present in the Museum amounts to about 5,000, and additions are received almost daily. Those acquired during the year amount to 2,943. It will be observed (from the Appendices to this Report) that many of the specimens are of great intrinsic value as well as of high educational worth. The efforts of the Committee to obtain specimens by donation have been very successful.

5. Special endeavours are being made to collect the raw products and samples illustrative of the industries and manufactures of the Australian Colonies, and the Committee have already secured a considerable number of native vegetable and mineral products, and a comprehensive series of specimens of wool.

6. The gentlemen who kindly consented to act as a British Committee for the purpose of securing specimens (*vide* Report for 1882), have continued their good offices, to the great advantage of the Museum.

The Honorable Sir Saul Samuel, K.C.M.G., Agent-General for the Colony, has been good enough to transmit specimens forwarded to his care, and the Director and Assistant-Director of the Royal Gardens at Kew (Sir Joseph Hooker, K.C.B., M.D., F.R.S., &c., and Professor Thiselton Dyer, F.R.S., C.M.G., &c.), have generously continued to present highly valuable specimens of economic botany to the Museum.

To the Trustees of the Public Library, Museums, and National Gallery of Victoria, the Committee are indebted for a large number of specimens. The Baron Ferdinand von Mueller, K.C.M.G., F.R.S., &c., Melbourne, and Mr. Thomas Twining, of London, have kindly aided the Committee with valuable suggestions.

7. The Committee hope shortly to be in a position to reciprocate to some extent the kindness of the authorities of those Museums and other public Institutions who have forwarded specimens, but the acquisition of duplicates has up to the present been slow.

8. A Catalogue of the contents of the Museum is in course of preparation, and a brief Guide will be published with as little delay as possible.

9.

9. It is the intention of the Committee that lectures shall be delivered on the contents of the Museum, explanatory of the history, uses, modes of occurrence, manufacture, and all other particulars relating to the exhibits of raw or natural products. In this way it is hoped that the utility of the Museum will be greatly enhanced, and that the public may be induced to take an intelligent interest in the various collections gathered together for their benefit.

10. The Committee beg to add to this their Report the following Appendices:—I. Balance-sheet for the year ending 31st December, 1883; II. A List of Specimens presented to the Museum; III. A List of Specimens purchased for the Museum; IV. A List of Specimens lent to the Museum; V. A List of Books, &c., presented to the Museum; VI. A List of Books, &c., purchased for the Museum; VII. A List of Diagrams, Maps, Photographs, &c., presented to the Museum; VIII. A List of Diagrams, Photographs, &c., presented to the Museum.

The Common Seal of the Museum is affixed by order of the Board, this 6th day of May, 1884.

(L.S.)	ALFRED ROBERTS.	} Members of Committee.
(L.S.)	A. LIVERSIDGE.	
(L.S.)	ROBERT HUNT.	

(L.S.) ALFRED STEPHEN,
Crown Trustee.

J. H. MAIDEN,
Curator and Secretary.

APPENDIX I.

BALANCE-SHEET of the Technological, Industrial, and Sanitary Museum of New South Wales, for the year ending 31st December, 1883.

	£ s. d.	£ s. d.		£ s. d.
To Balance from 1883:—			By Salaries and wages	1,026 16 11
„ Bank of New South Wales...	374 1 10		„ Collection of specimens	15 5 6
„ Cash in hand (Petty Cash Account).....	4 6 7		„ Purchase of specimens	362 10 8
		378 8 5	„ Books	134 19 6
To Receipts from Treasury:—			„ Show-cases	1,416 6 0
„ Vote for 1883	4,300 0 0		„ Bottles	162 4 4
„ Compensation on account of Garden Palace fire.....	41 14 0		„ Timber	72 11 10
		4,341 14 0	„ Ironmongery, &c.	68 0 11
			„ Paint, glass, &c.	61 10 8
			„ Furniture	35 2 6
			„ Stationery	54 0 11
			„ Labels and tickets	10 0 0
			„ Freight and charges	95 16 0
			„ Exchange, and stamps, &c.	8 18 8
			„ Sundries	25 14 3
			„ Compensation to carpenters on account Garden Palace fire	41 14 0
			„ Balance, Bank of New South Wales	1,129 8 1
			„ Amount due to Curator on account of Petty Cash Expenses	0 18 4
				1,128 9 9
£	4,720 2 5		£	4,720 2 5

Examined and found correct,
ROBERT HUNT.

APPENDIX II.

List of Specimens (including books for Exhibition) presented to the Technological Museum during the year 1883.

Date.	Articles received.	Name of Donor.
1883.		
10 Jan. ...	Sanitary appliances	Messrs. Hayward Tyler, & Co. (London).
10 „ ...	Do	Messrs. John Bolding & Sons (London).
11 „ ...	Specimens of porcelain; also samples of the substances used in the manufacture of porcelain.	The Worcester Royal Porcelain Co. (Limited).
17 „ ...	Patent furnace and patent fire-grate	Mr. Renton Gibbs, Liverpool (Eng.)
17 „ ...	6 cases of apparatus to illustrate the "Science made Easy" course of lectures of Mr. Thomas Twining.	The Honorable the Minister for Public Instruction.
27 „ ...	Piece of quartz conglomerate	Mr. J. A. Thorpe (Sydney).
31 „ ...	Samples of Balmain's luminous paint	Messrs. Ihlee & Horne (London).
31 „ ...	Samples of patent ventilators	Mr. Thomas Lloyd (Winchester).
27 Feb. ...	Samples of ores, and metals extracted therefrom ...	Mr. Conrad Icke (Newcastle, N.S.W.)
28 „ ...	70 samples of drugs, oils, food, &c., the products of India, in bottles. Pith water-bottle, salver of solid tin, and earthenware vase, also from India.	Messrs. Inglis, Brown, & Co. (Sydney).
12 Mar. ...	Samples of Tasmanian raw products, viz.:—9 specimens of timber, 13 mineral and rock specimens, 7 sponges.	Mr. C. A. Glover (Franklin, Huon, Tasmania).
19 „ ...	6 samples of liquid pharmaceutical preparations ...	Messrs. Battley & Watts (London).
19 „ ...	3 patent spongy-iron filters (assorted)	The Spongy-iron Domestic Filter Co. (London).
19 „ ...	Sanitary appliances	Mr. D. T. Bostel (London).
20 „ ...	6 drain-pipes, 1 ribbed do. invert-block, sewer-traps, glazed bricks, fire-bricks, &c.	Messrs. Edward Brooke & Sons (Huddersfield).
22 „ ...	Specimens of patent door-springs, &c.	Messrs. Smith & Turner (London).
9 April ...	Venetian and other blinds, coal-vases, &c.	Messrs. Henry Tylor & Son (London).
11 „ ...	Mineral specimens	Mr. P. Magrath (Yass, N.S.W.)
16 „ ...	"Excelsior" spring-mattress, bed-rest, and beds for hospital and domestic use.	Messrs. Chorlton & Dugdale (Manchester).
18 „ ...	24 specimens of Victorian rocks and minerals ...	The Council of the School of Mines (Ballarat).
30 May ...	A collection of fire-clay, &c., goods, comprising:—Assay and melting furnaces, crucibles of various kinds, roasting-dishes, muffles, scorifiers, fluxing-pots, skittle-pots, round and flat porous cells, &c.	The Morgan Crucible Co., Battersea (London).
1 June ...	25 elementary school-books, written by the donor ...	Dr. William Davis (Cheltenham).
13 „ ...	Carbolic acid for various purposes, together with preparations containing the acid. A series of 10 sulphocarbolates. Picric acid, aurine, cresylic acid, &c.	Messrs. F. C. Calvert & Co. (Manchester).
18 „ ...	10 samples of foreign wool and hair	Mr. P. L. Simmonds (London).
20 „ ...	Extract of rennet, butter-colouring, &c.	Messrs. Meyer & Henckel (Copenhagen).
22 „ ...	1 case of books, diagrams, &c., of the value of £10 ...	The Council of the Religious Tract Society (London).
22 „ ...	A small collection of silks and cocoons, and 40 samples of English wools.	Mr. P. L. Simmonds (London).
26 „ ...	A collection of samples of Italian and Canadian asbestos and articles manufactured therefrom.	Mr. John Bell (London).
4 July ...	A collection of school-books	Messrs. Relfe Bros. (London).
5 „ ...	Samples of ball-casters	The Patent Ball-caster Co. (London).
9 „ ...	Dressed blocks of sandstone and granite similar to those now being used in the construction of the General Post Office, Sydney.	Messrs. M'Credie Bros. (Sydney).
11 „ ...	Samples of carpet-sweepers	The Bissell Carpet-sweeper Co. (Grand Rapids, Mich., U.S.A.)
13 „ ...	Samples of Japanese paper and imitation leather ...	The Government Printer (Tokio, Japan).
18 „ ...	A collection of scouring wools	The Woollclassers' Association of N.S.W. (Liverpool).
19 „ ...	Samples of wattle-barks in various stages of preparation for export.	Messrs. Pflaum & Co. (Blumberg, S.A.)
23 „ ...	A collection of school and reference books	Messrs. Ward, Lock, & Co. (London), through Messrs. Edwards, Dunlop, & Co. (Sydney).
25 „ ...	A collection of 44 models of English fruits and vegetables in wax and plaster-of-paris.	Messrs. Sutton & Sons (Reading).
30 „ ...	6 filters, assorted sizes	Mr. George Cheavin (Boston, England), through Messrs. F. Lassetter & Co. (Sydney).

APPENDIX II—continued.

Date.	Articles received.	Name of Donor.
1883.		
14 Aug. ...	2 models in wood of the Lowe-Vansittart screw-propeller.	Captain F. Vansittart (London).
14 " ...	A large collection of Kindergarten and other educational appliances.	Messrs. A. N. Myers & Co. (London).
14 " ...	A collection of specimens illustrating the uses to which asbestos is put.	The United Asbestos Co. (Limited) (London).
15 " ...	A valuable collection of 204 specimens of economic botany, comprising timbers, barks and fibres, articles made out of leaves, &c., cereals, pulse, arrowroot, spices, dyes, tans, gums and resins, oil-seeds, drugs, &c., &c.	The Director of the Royal Gardens, Kew (London).
18 " ...	Samples of paper, and a series of specimens illustrating the processes of the manufacture.	Messrs. Brookes and Currie (Melbourne Paper Mills, Melbourne).
18 " ...	A collection of Victorian woods, worked into the form of a book, paper-knives, rulers, &c., to show the special adaptation of certain timbers.	The Baron Ferd. von Mueller, K.C.M.G. (Melbourne).
23 " ...	A series of "Technical Manuals" and "Manuals of Technology."	Messrs. Cassell, Petter, Galpin, & Co. (London).
25 " ...	Specimens to illustrate the various stages in the production of finished printing type, also samples of type and brass-rule.	Messrs. H. W. Caslon & Co. (London), through Mr. John Sands (Sydney).
12 Sept. ...	Samples of fibres from New Zealand ...	Professor Liversidge, F.R.S.
12 " ...	A large and valuable collection of schoolroom maps, atlases, diagrams, drawing and copy books, and miscellaneous school-books.	Messrs. Geo. Philip & Son (London and Liverpool).
22 " ...	A collection of vegetable, grass, and other seeds ...	Messrs. Anderson & Co. (Sydney).
26 " ...	Very large glass bottles, containing samples of carbonate of soda (2) and chloride of calcium.	Messrs. Solvay & Co. (Couillet, Belgium).
28 " ...	A collection of chemical products, prepared by the donor	Mr. Fred. Wright (Lecturer to the Pharmaceutical Soc., N.S.W.).
11 Oct. ...	Block of coal (17" cube) and coal fossil (stem of an endogenous tree).	The General Superintendent, Australian Agricultural Co. (Newcastle).
20 " ...	Cube of coal (12") ...	The Manager, New Lambton Colliery (Newcastle).
22 " ...	Cube of coal (12") ...	The Manager, Ferndale Colliery (Newcastle).
23 " ...	A collection of specimens to illustrate all the stages in the manufacture of sheet and crown glass, together with samples of the materials used.	Messrs. Chance Bros. & Co. (Birmingham).
23 " ...	A collection of varnishes, pigments, &c., and examples of their uses.	Messrs. Mander Bros. (London and Wolverhampton).
24 " ...	14 specimens of opium alkaloids, and salts ...	Mr. J. C. Hallam (Sydney).
24 " ...	Native loom, Santa Cruz Island ...	Mr. Hugh George (Sydney).
29 " ...	A large collection of mounted wall-maps and diagrams, atlases, school-books, &c.	Messrs. W. & A. K. Johnston (Edinburgh).
31 " ...	Cube of coal (12") ...	The Manager, Osborne Wallsend Colliery (Wollongong).
7 Nov. ...	Samples illustrating the products of the Brickwood Tin Mine, Uralla, N.S.W.	Mr. I. S. Clements (Sydney).
16 " ...	Samples of wool ...	Mr. C. Fetherstonhaugh (Mundooran, N.S.W.).
20 " ...	Samples of patent conical ventilators ...	Mr. J. E. Ellison (Leeds).
20 " ...	7 filters, assorted sizes ...	Messrs. Slack & Brownlow (Manchester).
24 " ...	A very comprehensive collection of Australian and foreign wools. A complete collection of woollen samples, and photographs of machinery to illustrate the tweed manufactory as carried on at Bowenfels, N.S.W.	Messrs. W. H. Chard & Co. (Sydney).
3 Dec. ...	2 embroidered caps from Cashmere ...	Professor Liversidge, F.R.S.
3 " ...	A series of 3 leather cases, containing specimens illustrative of the manufacture of needles in its various stages.	Messrs. T. Perks & Sons (Redditch), through Messrs. John Shorter & Co. (Sydney).
6 " ...	Cube of coal ...	The Manager, Newcastle Coal-mining Co.
10 " ...	Flax exhibit, showing the plant, and samples in all its stages up to the finished products ready for use.	Messrs. Barbour & Co. (Lisburn, Ireland), through Mr. Jas. Wilson (Sydney).
24 " ...	A collection of specimens illustrating the metallurgy of antimony.	Mr. J. M. Smith (Sydney).
28 " ...	A collection of 60 specimens of timber from Fiji, 50 ditto from India, and 36 ditto from the Punjab, India.	The Trustees of the Public Library, Museums, and National Gallery of Victoria (Melbourne).

Total number of specimens presented during the year, 1,527. Number of donors, 78.

APPENDIX III.

List of Specimens purchased during the year 1883.

When received.	Description of Exhibit.
1883.	
11 January ...	Collection of Worcester porcelain.
28 February ...	Models of Indian fruits, made by native artists; plumes from the Himalayas; Indian lacquer-ware and pottery; Indian embroidery, &c.
16 March ...	7 small slabs of polished marble.
9 April ...	50 six-inch cubes of English building-stones; 4 twelve-inch cubes of polished granite; 3 twelve-inch cubes of polished marble; 3 small columns of granite; 2 small plinths of granite; one small column of serpentine; 6 magnificent columns, 4' 6" high and 1' in diameter, of granites, marbles, &c.; 1 pair of alabaster vases; 1 marble tazza; 1 black-marble vase. All the above from Great Britain.
5 May ...	6 reproductions of antique art metal-work (German), in cast-iron, nickelled.
8 " ...	30 six-inch cubes of granite, porphyries, marbles, lithographic stones, &c., from the Continent of Europe; 2 polished marble columns, 4 feet high, from Belgium.
11 " ...	Elaborately carved round table, of Indian workmanship.
12 " ...	Enlarged models, in papier-mâché, of the honey-bee and the honey-comb.
18 June ...	Three collections of articles to represent the horn industry. Series of articles manufactured from bone.
7 July ...	A collection of Queensland grasses and grass-seeds. Samples of fibre, rice, &c.
3 August ...	8 samples of Coblenz ware.
28 " ...	Samples of "blue-ground" from South Africa,—the matrix of the diamond.
22 September ...	Collection of drugs of vegetable origin.
23 October ...	Collection of woollen goods produced at Bradford, Yorkshire.
23 November ...	A series of enlarged models, in papier-mâché, of the following:—Silkworm, 30 varieties of mushrooms, pea-plant, grain of wheat, ear of wheat, section of wood.
24 " ...	A collection of Doulton ware, Lambeth faience, &c.
4 December ...	A collection of electrotype reproductions of works of art, from Elkington & Co.

Number of specimens purchased during the year, 905.

APPENDIX IV.

List of Specimens lent to the Technological Museum during the year 1883.

When received.	Exhibit.	Name of Lender.
1883.		
March 5...	A collection of small slabs of timbers of New South Wales (275 specimens), also 150 small rods of Indian timbers.	Trustees, Australian Museum.
June 19...	1 small slab of English oak	"
Nov. 24...	A collection of art pottery, consisting of vases, bowl, jardinière, pilgrim-bottle, jug, tazza, fan-box, slabs, and plaques, in Lambeth faience; a slab, vases, and plaques, in Doulton impasto ware, and terra cotta figure. (28 pieces.)	Messrs. Doulton & Watts, Lambeth, London.
Dec. 4...	Electrotype reproduction of "The Hildesheim Treasure," (Roman treasure unearthed by some Prussian soldiers at Hildesheim, in Hanover, in 1868.) 30 pieces.	Messrs. Elkington & Co., London.

Number of specimens lent, 484.

APPENDIX V.

List of Books and Periodicals presented.

When received.	Title of Work.	Name of Donor.
1883.		
March 13...	The History of the Pianoforte (Brinsmead)	Messrs. John Brinsmead & Sons.
" 21...	Select extra-tropical plants, readily eligible for industrial culture or naturalisation (Mueller).	Government Printer, Sydney.
May 1...	Technical Training (Twining)	The Curator.
June 9...	Drawings of glass cases in the South Kensington Museum.	Secretary of the Science and Art Department.
" 22...	Traité élémentaire de chimie industrielle	P. L. Simmonds, Esq.
" 22...	Economie du Bétail	"
Sept. 18...	Chemical Recreations	J. J. Griffin, Esq.
" 18...	Chemical Testing of Wines and Spirits	"
" 18...	Scientific Apparatus	"

Calendars, Prospectuses, &c.:—

- Canterbury College, N.Z. (1882).
 Otago University, N.Z. (1883).
 Illinois Industrial University, U.S.A. (1881-2).
 Massachusetts Institute of Technology, U.S.A. (1882-3).
 Worcester Free Institute, U.S.A. (1882).
 Normal School of Science and Royal School of Mines, South Kensington (1882).
 Royal Agricultural College, Cirencester (1883).
 Royal College of Science for Ireland (1882-3).
 Royal College of Science for Ireland. (Sessional Examination-papers, 1881-2).
 Hartley Institute, Southampton (1883).
 City of London College (1882-3).
 University College, London (1882-3).
 Victoria University, Manchester (1882-3).
 Yorkshire College, Leeds, and Leeds School of Medicine (1882-3).
 University College of Wales, Aberystwith (1882-3).
 Royal Indian Engineering College, Cooper's Hill, Staines (1882).
 Worcester Free Institute, U.S.A. (1883).
 Imperial College of Engineering, Tokei (1883-4).

Catalogues:—

- Parkes Museum of Hygiene, London.
 Catalogue of a collection of Worcester porcelain, in the Museum at the Royal Porcelain Works.
 Presented by the Managing Director.
 Catalogues of the collections in the Edinburgh Museum of Science and Art, viz.:—
 1. Catalogue of British Foraminifera.
 2. Analytical Index of the Mineral Collection.
 3. Catalogue of loan collection of line and mezzotint engravings.
 4. " of loan collection of engravings, after the works of Sir Francis Grant.
 5. " of mineral collection.
 6. " of loan collection of water-colour drawings.
 7. " of collection of engravings and etchings, lent by His Grace the Duke of Buccleuch.
 8. Guide to the loan collection of objects connected with the use of Tobacco and other narcotics.
 9. Guide and plan of the Museum.
 Presented by the Director.
 Catalogue of the Botanical Museum, Sydney.
 Presented by the Director of the Gardens.
 Free Public Library, Sydney (Catalogue).
 " " (Supplementary Catalogue).
 Presented by the Librarian.
 Official Catalogue of the Sanitary Exhibition, South Kensington (1881).
 Presented by the Secretary.
 The Philadelphia Exhibition, 1876.
 Official Catalogue of the Natural and Industrial Products of New South Wales.
 Presented by the Government Printer, Sydney.
 Amsterdam Exhibition, 1883.
 New South Wales: its progress and resources; and official Catalogue of exhibits from the Colony.
 Presented by the N.S.W. Commission.

Reports, &c.:—

- Annual Report of the School of Mines, Ballarat (1882).
 Report on the Melbourne International Exhibition, 1880 (Indian Court).
 Presented by James Inglis, Esq.
 Report on the Lighting, &c., of School-buildings in Great Britain.
 Presented by the Government Printer.
 Report upon certain Museums for Technology, Science, and Art.
 Presented by the Government Printer.
 Report of the Birkbeck Literary and Scientific Institution, London (1882).
 Presented by the Secretary.
 77th Report of the British and Foreign School Society.
 Presented by the Secretary.
 British Association Reports. (23 vols.)
 Presented by the Council of the British Association.
 Report from the Select Committee on the Sydney Museum (1874). Blue-book.
 L'instruction publique au Canada.
 Presented by P. L. Simmonds, Esq.
 Special Report to the Minister for Education on the Ontario education exhibit at the Philadelphia Exhibition, 1876.
 Presented by P. L. Simmonds, Esq.
 Report of the Trustees of the Public Library, Museums, and National Gallery of Victoria (1882).
 Presented by the Trustees.
 78th Report of the British and Foreign School Society.
 Presented by the Society.

PUBLICATIONS of the Geographical Survey of Victoria.

Presented by the Secretary of Mines, Melbourne:—

Prodromus of the Palaeontology of Victoria. Decades II-VII.

Observations on new vegetable Fossils of the auriferous drifts. Decades I, II.

Report of progress. Nos. II-VI.

Report of the Chief Inspector of Mines to the Honorable the Minister for Mines (1877-82).

Mineral Statistics of Victoria. 6 vols. 1877-82.

Reports of the Mining Surveyors and Registrars.

Synopsis of a Report on Mining in California and Nevada, U.S.A.

Ballaarat Science Lectures (1882).

Presented by the Council of the Ballaarat School of Mines.

Transactions and Proceedings of the Royal Society of New South Wales, 1875, 1877-1881.

6 vols. Presented by the Government Printer, Sydney.

Patents Literature.

Presented by Her Majesty's Commissioners of Patents, London:—

Abridgments of specifications relating to ice-making machines, &c.

" " relating to writing instruments and materials.

" " relating to electricity, &c., &c. Div. II. (conducting and insulating.)

" " relating to electricity and magnetism. Div. III (transmitting and

receiving signals, &c.) Part II.

Abridgments of specifications relating to fire-arms, ammunition, &c. Div. I (fire-arms and similar weapons).

Periodicals:—

The Mineralogical Magazine (4 vols.), together with a Geological Map of Sutherland.

Presented by the Secretary, Mineralogical Society. 1877-79-80-82.

The Chemical Review. 3 vols. (1872, 1873, 1874-8.)

Bulletin de la Société d'Encouragement. 4 vols. (1874-7.)

Bulletin du Musée de l'Industrie de Belgique. 1 vol. (1876.)

Le Moniteur Scientifique. 4 vols. (1874-7.)

The Sugar-cane. 2 vols. (1875-6.)

Scientific London. 1 vol.

Presented by P. L. Simmonds, Esq.

The Publishers of the following Journals have generously placed the Museum upon the free list:—

American Artisan (Chicago).

American Bookseller (New York).

American Monthly Microscopical Journal (New York).

American Mail and Export Journal (New York).

Boot and Shoe Trades' Journal (London).

Bookseller (London).

Brewers' Guardian (London).

British Trade Journal (London).

Buletino Telegrafico (Rome).

British Mail (London).

Building World (London).

Builders' Weekly Reporter (London).

British and Colonial Printer and Stationer (London).

British Mercantile Gazette (London).

California Architect (San Francisco).

Chemical Review (London).

Cabinet-maker "

Colliery Guardian "

Decorators' Gazette (London).

Engineering (London).

Educational Record (London).

Fireman (London).

Hatters' Gazette (London).

Horological Journal (London).

Ironmonger (London).

Iron (London).

Index Medicus (New York).

Iron Age (New York).

Jeweller and Metal-worker (London).

Journal of Forestry (London).

Journal of Horticulture (London).

Knowledge (London).

La Lumière Electrique (Paris).

London Iron Trade Exchange (London).

Literary News (New York).

Library Journal "

Manufacturer and Builder (New York).

Mechanical News (New York).

Martineau and Smith's Hardware Journal (Birmingham).

Mechanics (New York).

Mineralogical Magazine (London).

Oil and Colourman's Journal (London).
 Publishers' Weekly (New York).
 Plumber and Decorator (London).
 Paper-makers' Monthly Journal (London).
 Paper Consumers' Circular (London).
 Pottery Gazette (London).
 Paper Trade Journal (New York).
 Paper-makers' Circular (London).
 Review of Gas and Water Engineering (London).
 Sanitary Record (London).
 Scientific American (New York).
 Sugar-cane (Manchester).
 Stationery Trades' Journal (London).
 Scientific Roll (London).
 Telegraphic Journal and Electrical Review (London).
 Textile World and Yorkshire Inventor (Bradford, Yorkshire).
 Tanners and Curriers' Journal (London).
 Timber Trades' Journal (London).
 Textile Manufacturer (Manchester).
 Textile Recorder (Manchester).
 Wool and Textile Fabrics (London).

The Publishers of the following have been good enough to occasionally forward copies of their Journals to the Museum:—

Building and Engineering Times (London).
 Builder (London).
 Engineer „
 Implement and Machinery Review (London).
 Furniture-dealers' and Cabinet-makers' Guide (London).
 Foreman Engineer and Draughtsman (London).
 Gardeners' Magazine (London).
 Indoors and Outdoors (New York).
 Journal of the American Medical Association (Chicago).
 Mineral Register (Plymouth).
 Phillips' Machinery Review (Newport, Mon.)
 Printers' Register (London).
 Sanitarian (New York).
 Warehousemen and Drapers' Trade Journal (London).

Miscellaneous:—

Directory of Paper-makers (1883).
 Mineralogical Magazine. Vol. v, No. 22, May; vol. v, No. 23, November (1882); vol. v, No. 24, April (1883).
 The Scientific Roll. November, 1880; May, 1881; August, November, 1881; February, 1882;
 May, August, November, 1882.
 The Educational Record. January to December, 1882.
 American Monthly Microscopical Journal. January to December, 1881.
 New Commercial Plants and Drugs. Numbers 1, 2, 4, 5, 6.

APPENDIX VI.

List of Books purchased for the Library.

Chemistry—

Foods; their Composition and Analysis. (Blyth.)

Botany—

Tropical Agriculture. (Simmonds.)
 Text-book of Indian Botany. (Oliver.)
 Illustrations of the principal Natural Orders of the Vegetable Kingdom. (Oliver.)
 Systematic Census of Australian Plants, Part I, Vasculares. (Mueller.)
 Fragmenta Phytographiæ Australiae. Vols. i, ix, x. (Mueller.)
 A Synopsis of the Queensland Flora. (Bailey.)
 The Fern World. (Bailey.)
 A Classified Index of the Indigenous and Naturalized Plants of Queensland. (Bailey.)

Zoology (*Economic Entomology, &c.*)—

A Manual of Injurious Insects. (Ormerod.)
 Commercial Products of the Sea. (Simmonds.)
 A Collection of Pamphlets respecting Silk and the Silk-worm. (Bound in 11 Vols.)
 A Collection of Pamphlets and Newspaper-cuttings on the same subject.
 Exposition universelle de Vienne en 1873:—
 1. Rapport de l'Industrie de la Soie. (Rondol.)
 2. Rapport sur les Soies et Tissus de Soie. (Rondol.)
 Report on the Wild Silks of India, &c. (Wardle.)

British Consular Reports:—

1. Report on the Central Silk Districts of Japan (1st Report).
 2. Third Report on Silk Culture in Japan. (Adams.)
 Collection of Papers regarding Tusser Silk. (Dates from 1875-9.)
 The Wild Silks of India (chiefly Tusser). (Wardle.)

- Sur

Sur l'organisation des Ecoles Moyennes pour la classe Ouvrière dans les Pays-bas.
 Regio Museo industriale Italiano in Torino. (Annuario, 1882-3.)
 Enquête sur l'Enseignement Professionnel. Vol. 1, Dépositions.
 Vol. 2, Rapports, &c.

Guida dello Studenti nelle scuole tecniche et negli istituti tecnici.

GI'istituti tecnici in Italia.

Syllabus of the Lectures in Engineering at the Owens College. (Reynolds and Millar.)

Education as a Science. (Bain.)

Calendars, &c:—

Edinburgh University. (1882-3.)

Dublin University. (1883.)

Oxford University. (1883.)

London University. (1883.)

Cambridge University. (1883.)

The Educational Year Book, U.S.A. (1883.)

The Educational Year Book, England. (1882.)

The Great International Fisheries Exhibition. Official Catalogue. (1883.)

Naval and Submarine Engineering Exhibition, 1882. Catalogue.

Illustrierter Führer durch die Internationale Elektrische Ausstellung in Wien, 1883.

2^e Exposition Internationale de Photographie, Aout et Septembre, 1883. Bruxelles.

Catalogue Officiel de l'Exposition Internationale, &c., d'Amsterdam. (1883.)

Engineering and Metal Trades Exhibition, London. 1883.

Third Annual Furniture Trades Exhibition, held at Islington. 1883.

Brewers' Exhibition, London. 1883.

Printers' Exhibition, London. 1883.

Catalogue of modern works on Science and Technology. (Bartley.)

South Kensington Museum Publications:—

Art Directory, Science, and Art Department, South Kensington Museum.

The Classed Catalogue of the Educational division, South Kensington Museum.

Small Catalogues:—

1. Catalogue of the collection illustrating construction and building materials in the South Kensington Museum.

2. Catalogue of models of machinery, drawings, tools, &c., in the Museum.

3. Catalogue of ship models and marine engineering in the South Kensington Museum.

4. Catalogue of the Anthropological collection.

5. Catalogue of a collection of articles of Japanese Art in the South Kensington Museum.
 (Allt Collection.)

6. Catalogue of ship models and marine engineering.

Inventories of:—

Electrotypes.

Plaster Casts.

Fictile Ivory.

Large Descriptive Catalogues:—

1. Ancient and Modern Furniture and Woodwork in the South Kensington Museum.

2. Gold- and Silver-smith's Work in the Museum.

3. Bronzes.

4. Textile Fabrics.

5. Glass Vessels.

Art Hand-books:—

1. The Industrial Arts of India. (Birdwood.)

2. Bronzes. (Fortnum.)

3. Gold- and Silver-smiths' Work. (Pollen.)

4. Textile Fabrics. (Rock.)

5. Ancient and Modern Furniture and Woodwork. (Pollen.)

6. Majolica.

7. Ivories.

8. Glass.

9. Catalogue of objects of Indian Art exhibited in the South Kensington Museum.

Reports—

Actes et documents relatifs au Musée Hammer à Stockholm.

Rapports et Notes de Commission de l'Enseignement Technique.

British Association Reports. (35 vols.)

Report on Technical Instruction in Germany.

Miscellaneous—

Hubbard's Newspaper and Bank Directory of the World. 2 vols.

May's British and Irish Press Guide.

Index to Periodical Literature. (Poole.)

Dictionary of Stationery. (Wyman.)

Studies in Microscopical Science. (Cole.)

APPENDIX VII.

List of Diagrams, Maps, Photographs, &c., presented.

When received.	Description of Diagram, Map, &c.	Name of Donor.
1883.		
16 Jan. ...	A large number of diagrams to illustrate the "Science made Easy" course of lectures, by Mr. Twining.	The Honorable the Minister for Public Instruction.
9 May ...	Sixty photographs (mounted) of public buildings and scenery in New South Wales.	The Government Printer, Sydney.
18 June ...	Carte Séricole de la région Italique, par M. Marius Morand.	Mr. P. L. Simmonds, London.
22 " ...	Eleven diagrams on linen; five coloured historical pictures on stretchers; thirty coloured pictures on cardboard.	The Council of the Religious Tract Society, London.
28 " ...	"How to prevent the spread of Infectious Diseases" (issued by the Board of Health, Sydney.)	Sir Alfred Roberts.
13 Aug. ...	A series of coloured Geological Maps of the kingdom of Belgium.	The Director of the Royal Belgian Museum of Natural History, Brussels.
14 " ...	One diagram for elementary instruction (with hand-book). Two Natural History diagrams (with hand-books.)	Messrs. A. N. Myers & Co., London.
15 " ...	Two paintings on porcelain (framed) of English fruits, by Mrs. Carolina Honoria Morris.	The Director of the Royal Gardens, Kew, London.
12 Sept. ...	Maps and diagrams, mounted, varnished, and on rollers, &c.:— <i>Large schoolroom maps</i> — "Hemispheres." "Australia and New Zealand." "New Zealand." "Oceania." <i>Small schoolroom maps</i> — "Australia." "New Zealand." Popular map of New Zealand. <i>School-room wall sheets</i> — Music sheet, No. 1. Multiplication tables, No. 1. <i>Diagram sheets</i> — Weights and measures (metric system). Geographical terms.	Messrs. George Philip & Son, London and Liverpool.
17 " ...	Map of New South Wales, showing the principal agricultural districts. Ditto showing the localities of the principal minerals. Ditto showing the land districts (1881). Ditto showing counties, &c. Ditto showing approximately in each county the proportion of alienated, reserved, and Crown lands (1882). Ditto showing the postal stations and roads. Ditto by Sir Thomas Mitchell (1834). Geological Sketch Map of New South Wales. Map of the City of Sydney (1877). Map of the country around Sydney (1881).	The Honorable the Secretary for Lands, Sydney.
4 Oct. ...	Forty-one photographs of machinery manufactured by them, comprising:—Stamper-batteries, amalgamators, and miscellaneous gold-mining machinery; copper-ore mining machinery; appliances used in grinding, smoothing, and polishing plate-glass; miscellaneous chemical plant; steam cranes, hoists, &c.; large boilers; blowing-, winding-, pump-engines, &c.	Messrs. Robt. Daglish & Co., St. Helen's, Lancashire.
10 " ...	Two photographs of Northcott's patent air-compressor (framed). Photograph of patent refrigerators for steam-ships (framed).	The General Engine & Boiler Co., London.

LIST of Diagrams, Maps, Photographs, &c.—*continued.*

When received.	Description of Diagram, Map, &c.	Name of Donor.
1883. 29 Oct. ...	Maps, mounted, varnished, and on rollers :— "Imperial Hemispheres." <i>Large wall maps</i> — "Australia." "England" (outline). "Exodus of the Israelites." "Orbis veteribus notus." "America" (physical). <i>Small map</i> — "Europe." <i>Large wall illustrations</i> — "Human Anatomy." "Botany." "Astronomy." "Natural History." "Zoology." "Magnetism." "Light and Heat." History Chart. General knowledge Chart. Large wall map, showing four printings—black, yellow, pink, and blue.	Messrs. W. & A. K. Johnston, London and Edinburgh.

APPENDIX VIII.

LIST of Diagrams, &c., purchased.

When received.	Description of Diagram, &c.
1883. 3 January ...	Comparative lengths of staple of Cotton grown in India, the United States of America, and other parts of the world. (2 plates.) India Museum, London.
3 " ...	Reynolds' Diagrams :—Pumps, Barometer and its uses, Blast Furnace, Manufacture of Coal-gas, Manufacture of Glass.
9 May ...	9 Photographs showing the stages in the construction of the coffer-dam of the s.s. "Austral," submerged in Port Jackson, November, 1882—March, 1883.
28 June ...	Phylloxera of the Vine (<i>P. vastatrix</i>). Plate i: Diseased Vine. Plate ii: Insect in various stages.
10 October ...	10 Diagrams of Building Construction, prepared by Professor Glenny (King's College, London), for the Science and Art Department.
10 " ...	16 Diagrams of Examples of Machine Details, prepared for the Science and Art Department, by Professor Unwin, viz.:—Examples of colouring; rivets and riveted joints; bolts, nuts, stays, &c.; pedestal and wall-plate; shaft couplings; pulleys; wheels; cranks; eccentric for a locomotive; cross-heads and slides; connecting-rod; forms of connecting-rod ends; pistons; cylinder-cover and stuffing-box; india-rubber valves; cocks.

J. H. MAIDEN,
Curator.

