

1891.

NEW SOUTH WALES.



AUSTRALIAN MUSEUM.

(REPORT OF TRUSTEES FOR THE YEAR 1890.)

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 honour to submit to Your Excellency in Council, in accordance with the 9th section of that Act, this their thirty-seventh Annual Report.

1. The hours during which the Museum was open to the public were as in previous years, from 10 a.m. till 5 p.m., but in summer till 6 p.m.; except on Sundays, when they were from 2 p.m. to 5 p.m.; and on Mondays, when the Museum was closed for cleaning. The number of visitors in 1890 was 123,724, being a decrease of 14,766. The largest attendance on one day was on Monday, 13th October—1,589. The largest Sunday attendance was on 22nd June—1,239. The average for the year was 331 on week-days, and 688 on Sundays. No schools have taken advantage of the privilege accorded by the Trustees of using the Museum on Monday afternoons for teaching purposes; but as the Trustees consider it desirable to interest Schools and Country Museums in the study of Natural History, efforts have been continued to induce them to forward specimens for identification and correct nomenclature, and some School Museums have been supplied with named specimens from the duplicates in this Museum.

2. The collections are still being steadily increased, although on account of the temporary disarrangement of part of the Museum for building purposes, the Trustees have, to some extent, limited the acquisition of specimens. The principal purchases during the year have been:—

- Casts of remains of large extinct American animals.
- Skins and skeletons of large foreign animals.
- A series of skins and skeletons of Australian animals for exchanges.
- Ethnological specimens from New Caledonia, New Hebrides, New Guinea, &c.

The most important acquisitions, by exchange, have been:—

- Some very valuable specimens, including a nearly perfect skeleton of the Great Auk, from the United States National Museum.
- A collection of Mediterranean Fishes from the Royal Zoological Museum, Florence.
- A collection of Fishes from the British Museum.
- A collection of Corals, &c., from the Technological Museum, Sydney.

The only collecting expedition of any importance during the year was sent to the River Darling (Mr. R. Helms, Collector) in order to take advantage of the exceptional facilities afforded by the late floods, and resulted in the acquisition of an extensive collection of Insects and other specimens.

3. The Trustees are glad to report that the proposed much needed enlargement of the Museum has been commenced. The work undertaken is the erection of a third story on the original building or "old wing" of the Museum, so as to raise it to the same height as the newer portion. Unfortunately great delay in the building operations was caused by the long continuance of unusually wet weather, and by the discovery, during the progress of the work, of the necessity for various alterations and repairs not provided for in the first specification. Some unavoidable inconvenience and difficulty in carrying on the work of the Museum has been caused by the necessary temporary removal of Library, Board Room, and Curator's and Secretary's Rooms to a galvanized iron building erected in the grounds, and the Trustees have been obliged to withdraw the Geological, Palæontological, and Foreign Mammalian Collections from exhibition

exhibition and to store them until the completion of the alterations. It was also found necessary to close the upper floor of the Museum, where the collections of Birds, Shells, Insects, &c., are exhibited, for the purpose of repairing the walls and ceiling; but this having been satisfactorily completed, a contract has been signed for the erection of additional wall-cases for the display of portions of the Australian and Foreign Collection of Birds.

4. Committees of Trustees having been appointed for the investigation of the Duties and Salaries of the whole of the officers and employees of the Museum, and for the revision of the Standing Rules and By-laws, have devoted a large amount of time to the performance of the duties entrusted to them, and it is hoped that the results of their labours will simplify and facilitate the work of the Institution.

5. The following publications have been issued during the year:—

Catalogue of Australian Birds in the Australian Museum, by E. P. Ramsay, supplement to Part 1 Accipitres, and Part 2 Striges.

Catalogue of Echinodermata in the Australian Museum, by E. P. Ramsay, Part 1 Echini, new edition. Descriptive Catalogue of the Nests and Eggs of Australian Birds, by A. J. North.

Australian Lepidoptera and their transformations, by the late A. W. Scott, edited and revised by A. S. Olliff and Mrs. H. Forde, vol. II, part 1.

Guide to the Contents of the Australian Museum.

Hints for the Preservation of Specimens of Natural History, by E. P. Ramsay.

Records of the Australian Museum, Nos. 1 to 5.

The following works are in preparation:—

Catalogue of Australian Birds, Parts 3, 4, 5, by Dr. Ramsay. [Part 3 early in 1891.]

Catalogue of Shells, by Mr. Brazier.

Catalogue of Tunicata, by Professor Herdman, Liverpool, England.

Records of the Australian Museum, Nos. 6 and continuation. [No. 6 early in 1891.]

History and Description of the Skeleton of a New Sperm Whale, by W. S. Wall, 1851. Reprint, 1891. [Early in 1891].

Catalogue of Australian Mammals, by Mr. Ogilby.

Catalogue of Reptiles and Batrachians, by Mr. Ogilby.

Australian Lepidoptera, &c., vol. II, Parts 2 and 3. [Part 2 early in 1891.]

6. The appointment of Dr. J. C. Cox as Crown Trustee having caused a vacancy on the Board the same was filled by the election of Professor T. P. Anderson Stuart.

7. It is with feelings of deep regret that the Trustees have to record the death of Professor Stephens, another of the Elective Trustees, who occupied a seat on the Board from 1862 to 1879, and again from 1883 to the time of his death in November, 1890. The vacancy has been filled by the election of Professor W. A. Haswell.

8. The offices of Surveyor-General and Colonial Architect having been abolished, the number of Official Trustees has been reduced to seven.

The following Appendices are attached to this Report:—

- I.—Annual Balance Sheet.
- II.—Attendance of Visitors.
- III.—Attendance of the Trustees.
- IV.—Summary of Specimens acquired.
- V.—Donations.
- VI.—Exchanges.
- VII.—Departmental Reports by the Curator.
- VIII.—Additions to the Library.
- IX.—Publications of the Australian Museum.

The Common Seal of the Museum was hereunto affixed by order of the Board this 7th day of July, 1891.

(Signed)
S. SINCLAIR,
Secretary.

(L.S.)

(Signed)
JAMES C. COX, M.D.,
Crown Trustee and Chairman.

APPENDIX I.

BALANCE-SHEET for the year 1890.

	£ s. d.	£ s. d.		£ s. d.	£ s. d.
Balance from last year		1,653 4 4	Purchase of specimens	630 2 6	
From the Colonial Treasurer—			„ books	520 4 1	
Statutory endowment		1,000 0 0	Collection of specimens	177 18 4	
Parliamentary appropriation—					1,328 4 11
Curator	600 0 0		Show-cases		89 17 10
Assistants	1,620 0 0		Preparation and printing of catalogues		478 15 11
Sunday opening	250 0 0		Specimen bottles		0 13 0
Collecting and purchasing specimens			Furniture		33 10 2
and purchase of books	1,250 0 0		Freights and travelling expenses		99 7 1
Scientific descriptive catalogues of the			Repairs and additions to buildings		189 16 9
collections in the Museum, and			Contribution to publication of Lenden-		
printing	500 0 0		feld's "Monograph of Sponges"		200 0 0
Additional endowment	1,000 0 0		Allowance to Curator in lieu of quarters		200 0 0
Travelling expenses	100 0 0		Salaries—		
Specimen bottles	50 0 0		Curator	600 0 0	
Attendants, &c., in new building	300 0 0		Secretary	400 0 0	
Temporary quarters for Curator	200 0 0		Scientific assistants	1,139 19 0	
Cases	500 0 0		Ticket-writer and registrar	200 0 0	
Furniture	50 0 0		Taxidermists, Attendants, &c.	1,621 16 8	
		6,420 0 0	Police, for night duty	255 10 0	
Technological Museum—Repayment of			Expense of opening on Sundays	250 0 0	
travelling expenses		5 13 6			4,467 5 8
"Catalogue of Nests and Eggs" for			Miscellaneous expenses—		
coloured plates	3 3 0		Insurance	68 14 0	
"Australian Lepidoptera," for copies sold	2 5 0		Taxidermists' materials, stationery,		
Guides and Catalogues sold	3 17 0		and stores	58 19 4	
		9 5 0	Sundries	76 12 4	
					204 5 8
			Exhibition expenses		2 0 0
			Publication of "Australian Lepidop-		
			tera"		40 11 6
			Publication of "Records of the		
			Australian Museum"		55 2 0
					7,389 10 6
			Balance—Endowment Fund	891 18 0	
			„ General Fund	806 14 4	
					1,698 12 4
		£ 9,088 2 10			£ 9,088 2 10

Examined and found correct,—

Sydney, 20th January, 1891.

ROBERT HUNT.
PHILIP GIDLEY KING.

APPENDIX II.

ATTENDANCE OF VISITORS DURING 1890.

	Week-days.	Sundays.	Totals.
January	9,764	2,856	12,620
February	5,736	1,447	7,183
March	5,934	4,029	9,963
April	9,376	3,613	12,989
May	8,694	3,502	12,196
June	6,298	4,187	10,485
July	7,819	2,122	9,941
August	6,941	3,689	10,630
September	5,873	2,524	8,397
October	7,532	2,211	9,743
November	6,155	3,016	9,201
December	7,778	2,598	10,376
Total for the year 1890 ...	87,900	35,824	123,724
Total for 1889	92,858	45,552	138,410

APPENDIX III.
ATTENDANCE OF THE TRUSTEES DURING 1890.

<i>Crown Trustee.</i>					13
J. C. Cox, Esq., M.D., F.L.S.	...	...	...	...	
<i>Official Trustees.</i>					0
His Honor the Chief Justice	...	...	...	...	0
The Honorable the Colonial Secretary	...	...	...	...	0
The Honorable the Attorney-General	...	...	...	...	0
The Honorable the Colonial Treasurer	...	...	...	...	12
The Auditor-General	...	...	...	...	0
The Collector of Customs	...	...	...	...	5
The Surveyor-General	...	...	...	...	4
The Colonial Architect	...	...	...	...	9
The President of the Medical Board	...	...	...	...	
<i>Elective Trustees.</i>					11
J. Belisario, Esq., D.D.S.	...	...	...	...	8
A. Liversidge, Esq., F.R.S.	...	...	...	...	12
The Honorable Jas. Norton, M.L.C., LL.D.	...	...	...	...	7
Sir Alfred Roberts, M.R.C.S., Knt.	...	...	...	...	12
H. H. B. Bradley, Esq.	...	...	...	...	14
Robert Hunt, Esq., C.M.G.	...	...	...	...	9
Charles Moore, Esq., F.L.S.	...	...	...	...	0*
C. S. Wilkinson, Esq., F.G.S., F.L.S.	...	...	...	...	10
The Honorable P. G. King, M.L.C.	...	...	...	...	10
W. J. Stephens, Esq., M.A.	...	...	...	...	10
W. D. Campbell Williams, Esq., L.R.C.P., London, &c.	...	...	...	...	4*
T. P. Anderson Stuart, Esq., M.D.	...	...	...	...	

* Granted leave of absence.

Number of Board Meetings during the year, 12 ordinary, 4 special.

APPENDIX IV.

SUMMARY of Specimens Acquired.

	Purchased.	Collected.	Received in Exchange.	Presented.
	Specimens.	Specimens.	Specimens.	Specimens.
Mammals ...	33	21	7	16
Birds (<i>Aves</i>) ...	80	69	4	82
Birds' Nests and Eggs ...	257	2	1	15
Reptiles and Amphibians ...	164	425	3	136
Fishes (<i>Pisces</i>) ...	41	201	103	61
Mollusca ...	75	343	13	6 and 2 collections.
Insects ...	482	21,200	17	294 " 7 "
Myriopoda ...	.....	11	.....	7
Arachnida ...	.....	.....	.....	19
Crustacea ...	.....	105	1	17
Worms (<i>Vermes</i>) ...	.....	.....	.....	8
Echinodermata ...	70	.....	111	12
Coelenterata ...	49	.....	193	13
Polyzoa ...	.....	.....	20	.....
Minerals ...	2	.....	90	103 and 2 collections.
Fossils ...	213	237	192	308
Casts and Models ...	2	.....	1	.....
Photographs ...	.....	.....	27	13
Ethnological and Historical ...	473	39	74	70
Human Skulls ...	.....	.....	24	.....

E. P. RAMSAY,
Curator.

No. of Specimens.	Common Name.	Scientific Name.	Donor.
MAMMALIA.			
1	Echidna	Tachyglossus aculeatus	Captain Bennett.
1	Tiger cat	Dasyurus maculatus	Mr. E. Bright.
1	Eared Seal	Otaria cinerea	Bondi Aquarium Co.
1	White Guinea Pig	Cavia caprea	Mr. J. Brazier.
1	Mouse	Mus musculus	Dr. J. Wharton Cox.
1	Bat	Nyctinomus australis	Mr. R. J. Luke.
1	Tiger Cat	Dasyurus maculatus (male)	Mr. E. G. W. Palmer.
1	Tiger Cat	" "	"
1	Young Kangaroo from the pouch...	Halmaturus ualabatus...	"
1	Young Kangaroo	Macropus major	Mr. A. Rose.
1	Jerboa Pouched Mouse	Antichinomys lanigera	Mr. E. Runim.
1	Orange-bellied Rat	Hydromys chrysogaster	Mr. S. C. Smith.
1	Monkey	Macaco sp.	Mr. Stringer.
1	Native Cat (black var.)	Dasyurus viverrinus	Mr. Obed West.
2	Native Cats	"	Mr Obed West.
AVES.			
1	Falcon	Falco sp.	Director, Botanic Gardens.
1	Musk Duck	Biziura lobata	Mr. A. D. Carmichael.
1	Brown Hawk	Hieracidea orientalis, female	Mr. Richard Cockran.
1	Black-fronted Dotterel	Ægialitis nigrifrons	Mr. John Coward.
1	Lyre-Bird	Menura superba (juv.)	Dr. J. C. Cox.
1	Java Sparrow	Loxia oryzivora	Mr. A. Cracknell.
1	King Parrot	Aprosmictus scapulatus, male...	Miss Blanche Fitz.
1	Cat Bird	Ailuraedus viridis	Mr. A. E. Flavelle.
1	Nest and two Eggs of Red-eyebrowed Finch.	Estrela temporalis	Mr. J. Gale.
1	Satin Bower-bird	Ptilinorhynchus violaceus	Mr. Hindmarsh.
1	Hybrid between Pennant's and Rosehill Parrakeets.	Platyceurus pennantii } and " eximius }	Mr. Geo. King.
1	Great Brown Kingfisher	Dacelo gigas (Albino var.)	Hon. W. A. Long, M.L.C.
1	Red-tailed Tropic-bird	Phaeton rubricaudra	Mr. D. Love.
3	Eggs of Swift-flying Turnix	Turnix velox	Mr. H. J. McCooley.
1	Lyre-Bird	Menura superba (juv.)	Mr. Charles Moore.
1	Collared Plain-wanderer	Pedionomus torquatus, male	Mrs. Eliza Morrissett.
1	Marsh Tringa	Limnocinclus acuminatus	Mr. G. P. Morse.
1	Collared Sparrow Hawk	Accipiter cirrhocephalus	Mr. H. Newcomb.
2	Nests of White-throated Honeyeater.	Gerygone albigularis	Mr. A. J. North.
1	Nest and Eggs of Yellow-faced Honeyeater.	Ptilotis chrysops	
1	Nest of White-eared Honeyeater ...	Ptilotis leucotis	Mr. P. H. Norton.
1	Noddy	Anous stolidus	
1	Satin Bower-bird	Ptilinorhynchus violaceus	Hon. Jas. Norton, L.L.D., M.L.C.
1	Brown Honeyeater	Stigmatops ocularis	Mr. E. G. W. Palmer.
5	Musky Parakeets	Trichoglossus concinnus	
2	Little Grass-birds	Megalurus gramineus	Mr. E. J. Payten.
1	Smaller Whimbrel	Numenius minor	
1	Australian Barn Owl	Strix flammea (var. delicatula).	Messrs. W. S. Pender and J. D. Miller.
1	Nest of White-throated (with two entrances).	Gerygone albigularis	Master Piers Ramsay.
1	Collared Plain-wanderer	Pedionomus torquatus, female..	Mr. A. M. N. Rose.
2	Swallow Dicæums	Dicæum hirundinaceum	Mr. A. Rose.
1	Owlet Nightjar	Ægotheles nove-hollandiæ	
2	Water-wagtails, or Pied Flycatchers	Rhipidura motacilloides (Albinoes).	Mr. T. H. Rowland.
2	Beautiful Grass Finches	Poëphila mirabilis	Dr. H. Sinclair.
1	" " Finch	" "	
1	Gouldian Finch	Poëphila mirabilis (var. gouldiæ)	
1	Beautiful Grass Finch	Poëphila mirabilis, female	
1	Swainson's Parrakeet	Trichoglossus novæ-hollandiæ...	
1	Pennant's Parrakeet	Platyceurus pennantii	Mr. A. Smith.
1	Chestnut-breasted Finch	Donacicola castaneo thorax	

No. of Specimens.	Common Name.	Scientific Name.	Donor.
AVES—continued.			
1	Egg of Painted Quail ...	<i>Turnix varius</i> ...	Mr. Jas. Starkey.
1	Black-shouldered Kite ...	<i>Elanus axillaris</i> ...	Mr. G. Streatfield.
1	Sulphur-crested Cockatoo ...	<i>Cacatua galerita</i> ...	Mr. Stringer.
2	Rose-breasted Cockatoos ...	" <i>eos</i> ...	
1	Rose-hill Parrakeet... ..	<i>Platycercus eximius</i> ...	
1	Barnard's Parrakeet	" <i>barnardi</i> ...	
2	Cockatoo Parrakeets	<i>Calopsittacus novæ-hollandiæ</i> ...	
13	Spotted-sided Finches	<i>Stagonopleura guttata</i> ...	
1	Chestnut-eared Finch	<i>Taniopygia castanotis</i> ...	
2	Blue-bellied Lorikeets	<i>Trichoglossus novæ-hollandiæ</i> ...	
3	Sacred King-fishers... ..	<i>Haleyon sanctus</i> ...	
1	Black-faced Graucalus	<i>Graucalus melanops</i> ...	
1	Rufous-bellied Thick-head	<i>Pachycephala rufiventris</i> ...	Mr. J. A. Thorpe.
1	Bronze Cuckoo	<i>Chalcites plagosus</i> ...	
2	Little Brown Acanthizas	<i>Acanthiza pusilla</i> ...	
1	Lineated Acanthiza	" <i>lineata</i> ...	
1	Buff-rumped Acanthiza	<i>Geobasileus reguloides</i> ...	
1	White-throated Gerygone	<i>Gerygone albigularis</i> ...	
1	Yellow-breasted Robin	<i>Eopsaltria australis</i> ...	
1	Rock Warbler	<i>Origma rubricata</i> ...	
1	Nest and three Eggs of	" " ...	
1	Musky Parrakeet	<i>Trichoglossus concinnus</i> ...		Mr. R. Thorpe.
1	Frontal Shrike-tit	<i>Falcunculus frontatus</i> ...	
REPTILIA.			
1	Blue-tongued Lizard	<i>Tiliqua scincoides</i> ...	Mrs. Anderson.
1	Blue-tongued Lizard	<i>Tiliqua nigrolutea</i> ...	Mr. A. Berney.
1	Sea Snake	<i>Hydrophis</i> sp. ...	Mr. Wm. Boyd.
1	Boulenger's Skink	<i>Ablepharus boulengeri</i> ...	Mr. F. L. Burrowes.
1	Skink	<i>Lygosoma</i> sp. ...	
1	Blind Snake... ..	<i>Typhlops</i> sp. ...	Mr. S. Butler.
1	Samoan Skink	<i>Lygosoma samoense</i> ...	The Principal, Clergy Daughters' School.
1	Quoy's Skink	" <i>quoyi</i> ...	
1	Black Snake	<i>Pseudechis porphyriacus</i> ...	Mr. A. Craig.
1	Flat-tailed Gecko	<i>Gymnodactylus platurus</i> ...	Mr. W. Cruikshank.
1	Queensland Crocodile	Skull of <i>Crocodilus porosus</i> ...	Mr. W. J. Dangar.
1	Brown Snake	<i>Diemenia superciliosa</i> ...	Mr. W. Dyce.
1	Blind Snake... ..	<i>Typhlops</i> sp. ...	Mr. E. Gray.
1	Gecko	<i>Diplodactylus vittatus</i> ...	Mr. A. P. Hayes.
1	Burrowing Snake	<i>Typhlops rueppelli</i> ...	Mrs. T. W. Haynes.
1	Black Snake	<i>Pseudechis porphyriacus</i> ...	Mr. H. J. Hoare.
1	Bicoloured Sea Snake	<i>Pelamis bicolor</i> ...	Mr. W. Jackson.
2	Snakes	<i>Hoplocephalus gouldi</i> ...	Mr. H. R. Kater.
1	Snake	" sp. ...	
1	Gecko	<i>Gehyra variegata</i> ...	Mr. J. R. Kiely.
1	Bearded Lizard	<i>Amphibolurus barbatus</i> ...	
1	Lesueur's Skink	<i>Lygosoma lesueuri</i> ...	
1	Yellow-banded Skink	<i>Lygosoma teniolatum</i> ...	
1	Bibron's Toad	<i>Pseudophryne bibroni</i> ...	
1	Burrowing Frog	<i>Limnodynastes dorsalis</i> ...	
1	Brown Snake	<i>Diemenia superciliosa</i> <i>jur.</i> ...	
1	Ringed Snake	<i>Vermicella annulata</i> ...	
1	Slow Worm	<i>Delma</i> sp. ...	
1	Brown Snake	Skin of <i>Diemenia superciliosa</i> ...	
1	Monitor	<i>Varanus salvator</i> ...	Mr. W. Lawson.
4	Lesueur's Skinks	<i>Lygosoma lesueuri</i> ...	Mr. C. A. Learoyd.
18	Boulenger's Skinks	<i>Ablepharus boulengeri</i> ...	Miss E. Lowe.
11	Striolated Skinks	<i>Egernia striolata</i> ...	N.S.W. Zoological Society
14	MacCooy's Skinks... ..	<i>Lygosoma maccooyi</i> ...	
7	Bouton's Skinks	<i>Ablepharus boutoni</i> ...	Mr. H. J. M'Cooy.
2	Peron's Frogs	<i>Limnodynastes peroni</i> ...	
2	Bearded Lizards	<i>Amphibolurus barbatus</i> ...	
1	Gecko	<i>Gehyra australis</i> ...	
1	Gould's Guana	<i>Varanus gouldi</i> ...	
1	Slow Worm	<i>Delma fraseri</i> ...	
1	Frog	<i>Limnodynastes</i> sp. ...	
3	Geckos	<i>Diplodactylus vittatus</i> ...	
1	Bibron's Frog	<i>Pseudophryne bibroni</i> ...	
1	Blind Snake... ..	<i>Typhlops nigrescens</i> ...	

No. of Specimens.	Common Name.	Scientific Name.	Donor.
REPTILIA—continued.			
1	Lace Lizard (alive)...	Varanus gouldi...	Mr. H. J. M'Cooley.
1	Snake ...	Hoplocephalus (gouldi?) var...	
1	Lace Lizard ...	Varanus gouldi ...	
2	Slow-worms ...	Delma impar ...	
1	Lace Lizard ...	Varanus varius...	
1	Blue-tongued Lizard ...	Tiliqua nigrolutea ...	
1	White's Skink ...	Egernia whitii ...	
2	Banded " ...	" striolata ...	
1	Skink ...	Lygosoma sp. ...	
1	Ringed Snake ...	Vermicella annulata ...	Mr. R. S. Mackenzie.
1	Diamond Snake ...	Morelia spilotes ...	Mr. P. M'Mahon.
1	Burrowing Snake ...	Typhlops nigrescens ...	Mr. J. H. Magennis.
1	Flat-tailed Gecko ...	Gymnodactylus platurus ...	Mr. J. F. Morgan.
2	Peron's Frog ...	Limnodynastes peronii ...	Mr. A. J. North.
1	Tree Frog ...	Hyla peronii ...	
1	Ringed Sea-snake ...	Platurus scutatus ...	Mr. A. Sidney Olliff.
1	Brown Snake ...	Diemenia superciliosa (young)..	Mr. Hy. Parker.
1	Black-headed Snake ...	Hoplocephalus nigriceps ...	
1	Slow-worm ...	Pygopus lepidopus ...	Mr. A. G. Ralstone.
1	Ringed Snake ...	Vermicella annulata ...	Mr. S. Reynolds.
1	Ringed Snake ...	" ...	Mr. H. A. Richardson.
2	Young Crocodiles ...	Crocodylus porosus ...	Mr. J. Robb.
1	Gecko ...	Skin of Diplodactylus sp. ...	Miss Bessie Roberts.
1	Gecko ...	Cedura marmorata ...	Mr. Rose.
1	Snake ...	Diemenia reticulata ...	Mr. A. Rudder.
2	Diamond Snakes ...	Morelia spilotes ...	Mr. Stringer.
1	Ringed Snake ...	Vermicella annulata ...	Mr. G. N. Stevens.
1	Grass Lizard ...	Pygopus lepidopus ...	Master Fred. Thompson.
1	Gecko ...	Gymnodactylus platurus ...	Mr. Wm. Walters.
1	Burrowing Snake ...	Typhlops sp. (young) ...	Mr. Geo. West.
1	Gecko ...	Cedura robusta ...	Hon. R. H. D. White.
2	Ringed Snakes ...	Vermicella annulata ...	Dr. J. Ziehlke.
PISCES.			
1	Leather Jacket ...	Monacanthus hippocrepis ...	Mr. Robert Allen.
1	Bull's Eye ...	Pempheris compressus ...	Mr. W. Brown.
2	Fishes ...	...	Mr. R. Cameron.
2	Sea-horses ...	Hippocampus abdominalis ...	Captain Champion.
2	Red Mulletts ...	Mullus tragula ...	Mr. A. J. Coates.
3	Red Mulletts ...	" signatus ...	
1	Fish ...	Priacanthus benmebari ...	
5	Pipe Fish ...	Stigmatopora argus ...	
4	Leather Jackets ...	Monacanthus tossulus ...	
1	Leather Jacket ...	" chinensis ...	Mr. E. Cochran.
1	Leather Jacket ...	" maculosus ...	
1	Pipe Fish ...	Syngnathus tigris ...	
1	Scad ...	Caranx ciliaris ...	Dr. J. C. Cox.
1	Pipe Fish ...	Fistularia serrata ...	Mr. S. Dickson.
12	Herrings ...	Clupea hypselosoma ...	Fisheries Commissioners (through Dr. J. C. Cox).
1	Perch ...	Percaletes colororum ...	
3	Silver-bellies ...	Gerres ovatus ...	Mr. Herbert T. Gordon.
1	Saw-Ray ...	Pristiophorus cirratus... ..	
1	Sea-horse ...	Phyllopteryx foliatus ...	Mr. W. Jackson.
1	Fish ...	Pterois miles ...	Mr. Wm. Kepsen.
2	Fishes (said to live in gill cavity of the pearl oyster).	Fierasfer homii ...	Mr. T. B. Lindley (through Dr. J. C. Cox).
1	Box Fish ...	Aracana lenticularis ...	Mr. G. A. Mausfield.
1	Spring Sea Horse ...	Solenognathus spinosissimus...	Mr. Wm. Morton.
1	Whiting ...	Sillago maculata ...	Mr. T. Mulhall.
1	Red Rock Perch ...	Sebastes percooides ...	
1	Richardson's Perch...	Anthias richardsoni ...	
1	Bull Rout ...	Centropogon robustus...	Mr. F. L. Paul.
1	Blenny ...	Cristiceps australis ...	
1	Star-gazer ...	Kathetostoma laevis ...	Mr. H. Prince.
1	Red Rock Perch ...	Sebastes percooides ...	
3	Trouts ...	Gadopsis marmoratus ...	Mr. Ed. Scholes.
1	Sea Horse ...	Phyllopteryx foliatus ...	Alderman Sullivan.
1	Box Fish ...	Aracana lenticularis ...	Mr. Obed West.

No. of Specimens.	Common Name.	Scientific Name.	Donor.
MOLLUSCA.			
...	Specimens of Oysters on block of stone, 4 months old.	<i>Ostrea cucullata</i> ...	Commissioners of Fisheries.
1	Collection of Oysters ...	<i>Ostrea cucullata</i> ...	Dr. Jas. C. Cox.
1	Broad-ribbed <i>Pectunculus</i> ...	<i>Pectunculus laticostatus</i> ...	Mr. W. H. Hargraves.
1	Cuming's <i>Modiolaria</i> ...	<i>Modiolaria cumingiana</i> ...	Mr. Alexander Morton.
1	Collection of Shells on bark	<i>Succinea eucalypti</i> ...	Mr. A. Sidney Oliff.
1	Imperial Turbo ...	<i>Turbo imperialis</i> ...	Mr. John Thomas.
1	Collared Turbo ...	<i>Turbo torquatus</i> ...	
1	Snake-head Cowry ...	<i>Cypræa caput-anguis</i> ...	Mr. T. Whitelegge.
1	Cat Cowry ...	<i>Cypræa felina</i> ...	
INSECTA.			
<i>Colcoptera.</i>			
1	Larva of Beetle ...	<i>Cassididæ</i> ...	Mr. F. C. Bourne.
1	Stag Beetle ...	<i>Rhyssonotus foveolatus</i> , Thunb.	Mr. John Brazier.
7	Beetles ...	<i>Passalus</i> sp. ...	Miss G. King.
1	Ladybird ...	<i>Epilachna 28-punctata</i> , Fabr.	Mr. S. Law.
3	Weevils ...	<i>Psalidura</i> sp. ...	Mr. H. J. M'Cooley.
4	Beetles ...	<i>Bostrichus jesuita</i> , Fab.	Mr. T. K. M'Kell.
1	Weevil ...	<i>Chrysolophus spectabilis</i> , Don.	Mr. H. Moore.
20	Beetles ...	<i>Epurea</i> sp. ...	Mr. A. S. Olliff.
20	Beetles ...	" sp. ...	
8	Rove Beetles ...	<i>Homalota</i> sp. ...	
20	Weevils ...	<i>Curculionidæ</i> ...	Mr. J. A. Thorpe.
2	Grain Weevils ...	<i>Sitophilus oryzae</i> , Linn.	
<i>Orthoptera.</i>			
1	Phasma ...	<i>Podocanthus typhon</i> , male	Mr. R. H. Adams.
1	Egg-case of Praying Mantis	<i>Mantidæ</i> ...	Mrs. G. H. Barrow.
1	Cricket ...	<i>Acripeza reticulata</i> , Guér.	Mr. Jas. Dawson.
1	Phasma ...	<i>Extatosoma tiaratum</i> , Burm.	Capt. Ed. Farrell.
1	Phasma ...	<i>Podocanthus typhon</i> , female	Mr. C. Featherstonhaugh.
1	Phasma ...	<i>Phasma</i> sp. ...	Mr. R. J. Higgins.
1	Phasma ...	<i>Podocanthus typhon</i> , male	Mr. R. J. Higgins.
1	Phasma ...	<i>Podocanthus typhon</i> , female	Mr. H. S. Howarth.
1	Cricket ...	<i>Achetidæ</i> ...	Mr. H. Hill.
1	Phasma ...	<i>Phasma</i> sp. ...	Mr. W. Jackson.
1	Cricket ...	<i>Acripeza reticulata</i> , Guér.	Mr. J. R. Kiely.
1	Mole Cricket ...	<i>Gryllotalpa</i> sp. ...	Miss G. King.
4	Crickets ...	<i>Achetidæ</i> ...	Mr. W. S. Leigh.
1	Phasma ...	<i>Extatosoma tiaratum</i> , Burm.	Miss Marie Pierce.
1	Cricket ...	<i>Acripeza reticulata</i> , Guér.	Mr. R. G. Rivers.
1	Alectoria ...	<i>Alectoria superba</i> , B & W.	Mr. W. M. Ronald.
2	Phasma ...	<i>Extatosoma tiaratum</i> , Burm.	Mr. P. B. Selig.
1	Cricket ...	<i>Acripeza reticulata</i> , Guér.	Mr. Jas. Tiddell.
26	Specimens ...	.....	R. Helms.
<i>Neuroptera.</i>			
1	Dragon Fly ...	<i>Libellulidæ</i> ...	Mr. S. Law.
46	Specimens ...	.....	Mr. R. Helms.
<i>Hymenoptera.</i>			
1	Wasp ...	<i>Scolia coronata</i> , Sm.	Miss Georgina King.
1	Wasp ...	<i>Scolia</i> sp. ...	Mr. S. Law.
1	Wasp ...	<i>Diamma bicolor</i> , Westw.	Master A. Wiegall.
<i>Lepidoptera.</i>			
1	Caterpillar of Hawk Moth...	<i>Diludia casuarinæ</i> , Wlk.	Miss Banning.
1	Butterfly ...	<i>Heteronympha merope</i> , Fab.	Mrs. G. H. Barrow.
1	Moth ...	<i>Bombyx</i> , sp. ...	Mr. John Brazier.
3	Pupæ of Butterfly ...	<i>Charaxes sempronius</i> , Fab.	Mr. C. H. Broughton.
1	Butterfly ...	<i>Papilio sarpedon</i> , Linn.	Mr. R. Brown.
1	Caterpillar of Hawk Moth...	<i>Chærocampa firmata</i> , Walk.	
1	Caterpillar ...	<i>Spilosoma</i> , sp. ...	
2	Caterpillars of Moth ...	<i>Nyctemera amica</i> , White	Mr. Royal Brown.

No. of Specimens.	Common Name.	Scientific Name.	Donor.
INSECTA—continued.			
1	Caterpillar of Hawk Moth...	<i>Chærocampa erotus</i> , Gn.	Miss Millie Bruce.
1	Butterfly	<i>Diadema bolina</i> , Linn ...	Mr. W. H. Catlett.
1	Small collection of Butterflies	.....	Captain Champion.
1	Butterfly	<i>Danaus plexippus</i> , Linn.	} Mr. H. M. Frazer.
2	Butterfly	<i>Diadema bolina</i> , Linn ...	
1	Caterpillar of Moth	<i>Cœquosa triangularis</i> , Don	} Mr. S. King.
1	Caterpillar of Moth	<i>Chelepteryx collesi</i> , Gray	
4	Caterpillars of Hawk Moth	<i>Chærocampa oldenlandiae</i> , F.	Miss King.
1	Moth... ..	<i>Ellopiæ</i> , sp.	Mr. S. Law.
1	Moth... ..	<i>Attacus cythia</i> , Drury	Mr. S. Lees.
1	Caterpillar of Hawk Moth...	<i>Cœquosa triangularis</i> , Don	Mr. F. Mackel.
1	Hawk Moth	<i>Diludia casuarinæ</i> , Wlk.	} Mr. J. Stuart Mason.
1	Caterpillar	<i>Dasypodia cymatodes</i> , Gn.	
1	Moth... ..	<i>Antherea eucalypti</i> , Scott	Mr. M. O'Grady.
1	Small collection of Butterflies	.....	Mr. Theo. Ranft.
2	Hawk Moth	<i>Chærocampa luctuosa</i> , F.	Mr. Chas. Reeves.
1	Caterpillar	<i>Metura elongata</i>	Miss Ethel Rodway.
1	Hawk Moth	<i>Diludia casuarinæ</i> , Wlk.	} Mr. W. Smart.
2	Moths	<i>Catocala ricini</i>	
1	Caterpillar	<i>Cœquosa triangularis</i> , Don	Miss N. Smith.
1	Moth... ..	<i>Antherea eucalypti</i> , Scott	Mr. Thom.
2	Moth... ..	<i>Nyctemera</i> , sp.	Mr. J. A. Thorpe.
1	Caterpillar of Moth	<i>Chelepteryx collesi</i> , Gray	Mr. J. P. Walters, junr.
5	Butterfly	<i>Acræa andromacha</i> , Fab.	} Mr. Jas. Yardley.
1	Butterfly	<i>Holochila absimilis</i> , Feld	

Hemiptera Heteroptera.

1	Water Scorpion	<i>Nepa</i> , sp.	Mr. T. W. Styles.
1	Gigantic Water Scorpion ...	<i>Belostoma indicum</i> ...	Mr. Whitnell.
56	Specimens ... ..	.....	Mr. R. Helms.

Hemiptera Homoptera.

6	Cicadas	<i>Cystosoma saundersii</i> , C. & W.	Mr. Jas. Hill.
8	Leaves of Moreton Bay Fig infested with pupæ of <i>Psyllidæ</i>.	.....	Mr. Thos. Whitelegge.

Diptera.

1	Fly	<i>Rutulia splendida</i>	Mr. Cork.
1	Fly	<i>Bombylius</i> , sp.	Mr. Thos. Whitelegge.

Miscellaneous.

1	Small collection of insects	.....	Right Rev. Bishop of Grafton.
1	Small collection of Coleoptera and Hymenoptera, including a new species of <i>Anoplognathus</i>.	.....	Bishop of Grafton and Armidale.
3	Small collections of insects including Coleoptera, Lepidoptera, Neuroptera, Hymenoptera, and Diptera.	.....	Mr. S. Law.

MYRIOPODA.

1	Centipede	<i>Heterostoma</i> , sp.	Mr. Wm. Dunshea.
1	Centipede	<i>Heterostoma sulcidens</i> , Newp.	Mr. Freidman.
1	Centipede	<i>Heterostoma sulcidens</i> , Newp.	Mr. C. Graham.
1	Millepede	<i>Julus</i> , sp.	Mr. C. Greenwood.
1	Centipede	<i>Heterostoma sulcidens</i> , Newp.	Mr. H. Greville.
1	Millepede	<i>Julus</i> , sp.	Mr. Jeremiah O'Neil.
1	Centipede	<i>Heterostoma sulcidens</i> Newp....	Mr. Henry Selfe.

No. of Specimens.	Common Name.	Scientific Name.	Donor.
ARACHNIDA.			
<i>Scorpiodea.</i>			
2	Scorpions	{ Tityus marmoreus, Koch Scorpio sp.	} Mr. H. J. M'Cooley.
<i>Araneidea.</i>			
1	Spider	Poltis sp.	Mr. M. W. G. Clarke.
1	Spider	Mygalidæ	Mr. Cox.
1	Poisonous Spider	Latrodectus sp.	Mr. J. R. Kiely.
1	Spider ... ..	.....	Miss G. King.
1	Spider ... ..	.....	} Mr. S. Law.
1	Spider	Pholeus sp.	Mr. G. Oom.
1	Spider	Epeira sp.	Mr. G. A. Peck.
1	Spider	Gastracantha sp.	Master Spencer Roberts.
2	Nests of Trap-door Spiders ... ..	.....	Miss E. Rodway.
1	Spider	Epeira sp.	Mr. Jacob Selig.
1	Spider	Gastracantha sp.	Mr. Selkirk.
1	Spider	Epeiridae	Mr. W. S. Scrivens.
1	Spider	Gastracantha sp.	Mrs. Jas. Seymour.
1	Large Spider ... ..	.....	Mr. R. Southby.
1	Spider	Hadronyche sp... ..	Miss Weaver.
1	Spider	Gastracantha sp.	
CRUSTACEA.			
1	Sun Crab	Dorippe callida	Mr. A. J. Booth.
1	Prawn	Palaemon ornatus, Oliver	Master F. Christensen.
1	Prawn	" " " " " "	Master T. R. Gallahoi.
1	Hermit Crab	Pagurus pavementatus	Mr. W. Jackson.
2	Specimens of Pearl-shell Pea Crab	Pinnotheres villosulus, G.M.	} Mr. T. B. Lindley.
3	Specimens from the Pearl Oyster... ..	Pontonia meleagrinae, Peters	Mr. L. Mann.
1	Prawn	Palaemon ornatus, Oliver	Mr. Alexr. Morton.
3	Pea Crabs	Pinnotheres sp., from Mussel	Mr. T. Mullhall.
1	Prawn	Penaeus monodon	Mr. Lindsay Thompson.
1	Glass Crab	Squilla nepa	Mr. R. J. Wilson.
2	Hermit Crabs	Clibanarius strigimanus	
VERMES.			
1	Hair Worm	Gordius sp.	Mr. E. de C. Irby.
1	Hair Worm	" " " " " "	Mr. W. Elliottf.
2	Land Leeches ... ..	.....	Mr. R. Helms.
2	Planarian Worms	Bipalium kewense	Mr. J. Jagor.
1	Planarian Worm	" " " " " "	Miss Fanny Light.
1	Planarian Worm	" " " " " "	Mrs. Jas. White.
CÉLENTERATA.			
1	Sponge	Placochalina pedunculata	Mr. John Brazier.
7	Zoophytes	Ceratella fusca, Grey	Mr. A. J. Coates.
1	Alyonarian Coral	Ctenocella pectinata	Mr. Henry Dorhauer.
1	Sponge	Thorea exemplum	Mr. A. Sturs.
2	Corals	{ Madrepora cytherea, Dana } " conferta, Quelch }	{ Mr. A. F. Wolf (through Sir Alfred Stephen, G.C.M.G.) }
ECHINODERMATA.			
3	Heart Urchins	Echinocardium australe	} Mr. Alex. Morton.
2	Sea Cucumbers	Cucumaria sp.	
7	Sea Urchins	Psolus sp.	
HYDROIDA.			
1	Tuft of Zoophyte	Sertularella divaricata	Mr. Alex. Morton.

No. of Specimens.	Common Name.	Scientific Name.	Donor.
MINERALS.			
1	Banded auriferous Quartz, with a little Calcite.	.....	Mr. Ed. Andrews.
2	Blue Topazes; Hyaline Quartz ...	.....	Mr. R. Brown.
1	White and Bluish Topaz Pebble ...	.....	Mr. A. P. Burt.
1	Serpentine Rock, covered with hydro-silicates of copper, &c.	.....	Mr. H. J. Calland.
1	Nodule of Carbonate of Magnesia...	.....	Mr. Jas. Chadle.
1	Waterworn Violane; a variety of Pyroxene.	.....	Mr. J. Dale.
...	Collection of Rocks... ..	.....	Mr. G. F. de Salis.
1	Tin Ore ... ..	.....	Mr. Chas. Duggo.
1	Pegmatite, with "palmate" mica ...	.....	
...	Granite; Granulite; Honeycombed Quartz, with grossular; Micaceous Quartzite, with Magnetite pseudomorphous after pyrites; Radiated Red Ferruginous Quartz; acicular Stibnite; and Siderite.	.....	Mr. H. G. Gornalle.
3	Iron Clay Concretions ... ..	.....	Mr. Thos. Harvey.
1	Pink Pyrophyllite ... ..	.....	Dr. Helms.
...	Red Oxide Copper, Carb. Lead, and Native Copper.	.....	Mr. J. Hogg.
1	Red and Yellow Jasper ... ..	.....	Mr. Icely.
...	Rocks showing reticulating quartz veins.	.....	Mr. W. T. Keeble.
...	Specimens of Tin Ore, with Carbonate of Bismuth, Quartz, Felspar, and Mica.	.....	Messrs. Kennedy and Bateman.
20	Specimens of Precious Opal in fossil wood and a felspathic rock.	.....	Mr. P. Kennedy.
1	Sample of Gold and Tin from Oban, New England.	.....	Mr. Horatio King.
1	Sample of Cinnabar... ..	.....	Messrs. King and Fisher.
1	Quartz, with Pyrites, Limonite, and Gold, showing the succession of changes before gold was left free; Rutile in auriferous quartz.	.....	Mr. W. Lovegrove.
1	Rutile and Gold, in quartz ... ..	.....	
...	Few small Rubies ... ..	.....	Mr. H. J. McCooey.
1	Piece of Coal, with bands of clay ...	.....	Mr. H. Martin.
1	Gold in quartz ... ..	.....	Mr. J. Mitchell.
1	Hornblende ... ..	.....	
...	Siderite in basalt; Olivine; Calcite; Serpentine; Gabbro; Pyrophyllite and Chlorite.	.....	Mr. D. A. Porter.
2	Cases of Miscellaneous Rocks ... ..	.....	Mrs. E. Ratte.
1	Silver Ore ... ..	.....	Mr. J. Siever.
1	Quartz Crystal, Cubes of Iron Pyrites.	.....	Mr. A. Smith.
2	Ironstone Concretions ... ..	.....	Mr. E. A. Snow.
1	Graphite ... ..	.....	
4	Red and Yellow Jaspers ... ..	.....	
1	Tin Ore in mica rock from lode ...	.....	
1	Auriferous Quartz, Lode Tin, Copper, Ferruginous Quartz, and Jasper, from Wilson's Downfall District.	.....	
1	Specimen of Pottery Clay (fancy pottery) from Kogarah.	.....	Mr. Chas. Wooller.
1	Gossan, supposed auriferous and argentiferous, from Kogarah.	.....	
1	Siliceous Sandstone or Quartzite, with Graphite, from Kogarah.	.....	
...	Copper Ore; 3 Red and Yellow Jaspers; 4 Topazes; 2 Tourmalines; and 5 Conglomerate, with free gold.	.....	
1	Blue Rock (Diamond rock) ... ..	.....	Mr. E. G. Woodford.

No. of Specimens.	Common Name.	Scientific Name.	Donor.
		FOSSILS.	
...	Cretaceous Fossils from North Queensland.	.....	} Dr. J. C. Cox.
1	.....	Equisetum (?) E. latum—Tension Woods.	
4	Fragments of Moa bones ...	.....	Dr. J. W. Cox.
2	Remains of Shells ...	.....	Mr. G. F. de Salis.
8	Fragments of Crinoid Stems ...	.....	Mr. B. G. Engelhardt.
...	Collection of Permo-Carboniferous Fossils from Jamberoo and Black Head, Gerringong	.....	Prof. A. Liversidge.
210	British Fossils, collection comprising 210 specimens.	.....	Mr. T. Mitchell.
1	Euomphalus Clarkei ...	.....	Mr. J. P. Narse.
1	Acidaspis Verneuilii ...	.....	Mr. C. N. Peal.
...	Small Collection of Fossils...	Lepidodendron sp. ...	Mr. F. A. A. Skuse.
38	British Fossils, collection comprising 38 specimens.	.....	Mr. H. L. Webb.
1	Fossil Fern ...	Thinnfeldia odontopteroides ...	
7	Fragments of Carboniferous Crinoid Stems.	.....	
		ETHNOLOGICAL.	
1	Australian Stone Axe, found at Cape Hawke, N.S.W.	.....	Mr. Hugh Breckenridge.
1	Stone Axe-head (tomahawk) ...	.....	Mr. T. Byrne.
18	Flint Axes, Palæolithic period, from Taillebourg, France.	.....	Mr. J. C. Carnier.
1	"Heliman" or Shield ...	.....	} Mr. W. T. Corney.
1	Boomerang ...	.....	
1	Club or Nulla-nulla, ornamented with carvings.	.....	Dr. J. Wharton Cox.
5	Stone Adzes ...	.....	Mr. H. S. W. Crummer.
1	Stone Adze, broken ...	.....	Mr. J. L. D'Arcy Irvine.
1	Greenstone Axe-blade (Jade) ...	.....	Mr. A. P. Goodwin.
1	Piece of Greenstone (Jade) ...	.....	Mr. H. E. Kater.
1	Native Shield with carved front ...	.....	Mr. P. Kennedy.
1	Stone Pounder, used to pound Flax	.....	Mr. H. Pohl.
2	Stone Axe-heads ...	.....	} Mr. James Rowe.
1	Grass Coffee-berry Bag ...	.....	
1	Good Aboriginal Stone Mill ...	.....	Mr. M. W. Walsh.
4	Broken " " ...	.....	Mr. A. F. Wolf (through Sir Alfred Stephen, G.C.M.G., &c.)
2	Small Stone Grinders " " ...	.....	
1	Stone Club, used as a stock-whip handle.	.....	
1	Carved Boomerang ...	.....	
1	Stone Axe-head (tomahawk) ...	.....	
2	Large Boomerangs, grooved on the convex side.	.....	
1	Plain Boomerang ...	.....	
1	Boomerang, carved on convex side with zig-zag markings.	.....	
1	Large double-handed Boomerang with few markings on convex side	.....	
1	Long, plain, flat, Hand-club ...	.....	
1	Tomahawk ...	.....	
1	Model of a Double Canoe, from the Island of Manihiki (Harvey's Group), lat. 10°26' S., long. 161°1' E.	.....	
		MISCELLANEOUS.	
2	Photographs—		} Mr. A. J. Campbell.
	(1) Flight of Sooty Terns ...	Sterna fuliginosa ...	
	(2) Noddies nesting ...	Anous stolidus ...	
1	Photo. of piece of modern Maori Carving, 12ft. long and 2ft. wide, part of a ridge pole of a Carved House near Lake Rotuiti.	.....	Mr. E. Craig.
1	Photo. of Carving ...	.....	
3	Photographs.—		} Mr. A. P. Goodwin.
	(1) Cane Bridge, N. Guinea ...	.....	
	(2 & 3) Bowers of N. G. Birds	.....	The Superintendent of Technical Education.
1	Skull of New Guinea Native ...	.....	Mr. R. W. Young.
2	Photos. of Two-headed Brown Snake	Diemenia superciliosa ...	

No. of Specimens.	Common Name.	Scientific Name.	Donor.
HISTORICAL.			
1	An old Book, printed in London in 1662.	.....	Mr. W. Bone,
1	Piece of East Indian Teak of the "Endeavour," beached at Dusky Bay, N.Z., in 1795.	.....	Captain Fairchild.
1	Old Testament, printed in France in 1664.	.....	Mr. C. P. Hyman.
1	Van Diemen's Land: "Hobart Town Gazette," 25 April, 1829, with Duty Stamp of 1827.	.....	Mr. A. F. Bassett Hull.
1	"General Advertiser," March 4, 1803 Philadelphia, U.S.A.	.....	Alderman Usher.
COINS.			
4	Penny Tokens, 1861, 1857, 1811 ...	}	Mrs. Joyce.
1	Two Kopecks, Russia, 1860 ...		
2	Turkish Coins		
4	Coins defaced		
1	4d. Silver Coin Charles II, 1677 ...	}	Mr. Thos. Piper.
2	Roman Bronze Coins		

ED. P. RAMSAY,
Curator.

Donations.	Presented by—
BOOKS, &c.	
Report, 1889-90	Free Public Library, Sydney.
Catalogue of Wools, &c., A. Hawkesworth (3 copies)	Curator, Technological Museum.
Statistical Register for 1889	Government Printer.
Wealth and Progress of New South Wales	
Turner's Grasses of New South Wales	Department of Mines.
Memoirs of Geological Survey: Palaeontology, Nos. 3 and 4	
Annual Reports for 1888-89	
Records of Geological Survey, vol. 1, part 3; vol. 2, part 1	Director, Department of Agriculture.
" Journey from Warrina to Musgrove Ranges	
Agricultural Gazette, parts 1 and 2	Government Astronomer.
Bulletin No. 1	
Report of the Government Scientific Expedition to Bellenden Ker Range	Registrar, University of Sydney.
Results of Rain, &c., Observations, 1889	
Results of Meteorological Observations, 1888	The Commissioners.
Calendar for 1890	
Report of President, New South Wales Commission, for Centennial Exhibition	Commissioners for Railways.
Catalogue of Books, Railway Institute	
Proceedings, vol. 4, parts 3 and 4	Linnean Society of N.S.W.
" vol. 5, parts 1, 2, and 3	
Abstracts of Proceedings	Royal Society of N.S.W.
Journal and Proceedings, vol. 23, part 2	
Sydney Quarterly Magazine, 1890	The Editor.
Report for 1889	The Principal, St. Catherine's School, Waverley.
Catalogue of Specimens in Australian Museum, 1837	Hon. P. G. King, M.L.C.
Gibson's Conches Catalogue	Prof. Liversidge.
Conspectus of Butterflies and Moths by J. Rennie	Mr. A. E. Rennie.
Mollusca trawled off Merimbula	Mr. J. Brazier.
History of Carved House "Matatua"	
List of Marine and Fresh-water Invertebrate Fauna of Port Jackson and Neighbourhood	Mr. T. Whitelegge.
Matable Land: Appendix IV, Entomology, by Westwood, Olliff, and Distant	Mr. A. S. Olliff.
Insect Pests—The Maize Moth	
Character of two new Genera of Pterophoridae, by Lord Walsingham	Mrs. Ratcliffe.
Catalogue of Minerals for sale, by Geo. L. English & Co., Philadelphia	

Dipterous Insects on Frogs	Mr. F. A. A. Skuse.
Genus <i>Lestophonus</i>	
Diptera of Australia, parts 1-8, and Sup. 1	Public Library, Museum, and
Report, 1889	Art Gallery of Victoria.
Prodromus Zoology of Victoria, Decade 20	Royal Society of Victoria.
Transactions, vol. 1, part 2, and vol. 2 new series	Baron von Mueller, Melbourne.
Second Systematic Census of Australian Plants, part 1, 1889	Dr. A. Dendy, University,
Observations on Australian Peripatus	Melbourne.
Anatomy of Australian Land Planarian	School of Mines, Ballarat.
Annual Reports, 1888 and 1889	Field Naturalist's Club, Mel-
Victorian Naturalist, vols. 1 to 6	bourne.
" vol. 7, parts 1-7	Bendigo Science Society.
Annual Report, 1890	Mr. J. Bracebridge Wilson,
List of Algae	M.A., Geelong.
Excursions near Geelong in search of plants	Mr. W. M. McGillivray, Mel-
Buk-Ta-Lum	bourne.
Report, Geological Survey for 1889... ..	Mr. R. L. Jack, Director Geolo-
Proceedings and Transactions, vol. 5, part 2	gical Survey of Queensland.
Report, Department of Agriculture, 1889-90	Royal Geographical Society,
Report of Annual Meeting	Queensland Branch.
Annual Report on British New Guinea, 1889-90	Under Secretary for Agricul-
Papers and Proceedings, 1889	ture, Brisbane.
Federal Australian Philatelist, vol. 1, No. 2	Natural History Society,
On the Newspaper Duty Stamp of 1827	Rockhampton.
Proceedings, 1883-89... ..	Private Secretary, for Sir Wil-
Transactions, Proceedings, and Report, vol. 13, parts 1 and 2	liam MacGregor, Adminis-
Report of Committee, 1889-90	trator of New Guinea.
Report, Museum Committee, 1889-90	Royal Society of Tasmania.
Notes and Additions to the Museum	Mr. J. Basset Hull, Hobart.
Records of the Mines of South Australia	Field Naturalists' Section of
List of Tokens in Museum Collection	the Royal Society of S.A.
Annual Report, 1889	Royal Society of S.A.
Transactions and Proceedings, 1889, vol. 22, fifth of new series...	Adelaide Circulating Library.
Various pamphlets	Director, Museum, Adelaide.
Kirk: The Forest Flora of New Zealand	Public Library, Museum, and
List of New Zealand Fishes	Art Gallery of S.A.
Relative Ages of New Zealand Coal-fields	Government Geologist, Ade-
Report, 1889-90	laide.
New Species of New Zealand Land and Fresh Water Shells	Mr. J. G. O. Tepper, F.L.S.,
Studies in Biology, No. 4	Adelaide.
Report, No. 24	S.A. School of Mines and
Catalogue of Library	Industries.
Geological Report, 1888-9	New Zealand Institute.
Revision of the New Zealand Idoteidae	Mr. T. W. Kirk, Colonial Mu-
Illustrations of Typical Specimens of Lepidoptera Heterocera	seum, Wellington, N.Z.
Guide to Mineral Gallery	Printing and Stationery De-
Catalogue of Fossil Reptilia and Amphibia, parts 3 and 4	partment, Wellington.
Guide to Exhibition Galleries of Geology and Palaeontology, parts 1 and 2	Professor F. W. Hutton,
Catalogue of Birds, vols. 13, 15, 18	Christchurch.
Journal, vol. 1, No. 3... ..	Auckland Institute.
Proceedings, vol. 21, 1889-90	Mr. H. Suter, Christchurch.
Midland Naturalist, January-October	Colonial Museum and Geologi-
Fifth Annual Report, Antiquarian Committee	cal Survey of N.Z.
Thirteenth Annual Report	Mr. Chas. Chilton, M.A.,
	Christchurch.
	British Museum.
	Marine Biological Association
	of the United Kingdom.
	Royal Colonial Institute.
	Natural History and Micros-
	copical Society, Birmingham.
	Museum of Archaeology, Uni-
	versity, Cambridge, England.
	Lancashire and Cheshire Ento-
	mological Society.

Donations.	Presented by
<i>Books, &c.—continued.</i>	
Journal, Vol. 9	Liverpool Geological Association.
Proceedings, abstracts 1 to 15, vol. 3 to 6, parts 1 and 2	Liverpool Geological Society.
Proceedings, vols. 1, 2, 3	Liverpool Biological Society.
Third Report of Nudibranchiata	Professor Herdman, University
Puffin Island Zoological Station. Third Annual Report	College, Liverpool.
Annual Report, 1889-90	Leeds Philosophical and Literary Society.
Transactions and Report, 1889	Manchester Microscopical Society.
Annual Report, vol. 10, part 3	Plymouth Institution.
Annual Report, 1889	Yorkshire Philosophical Society
On the Structure and Development of the Skull in the Batrachia, part 3	Prof. W. K. Parker, London.
Report on Comatulæ, collected by Dr. J. Anderson	Dr. P. H. Carpenter, Eton.
Certain Points in the Anatomical Nomenclature of Echinoderms	Mr. E. A. Smith.
Four Pamphlets	Museum of Science and Art, Edinburgh.
Report of Director, 1889	Royal Society, Edinburgh.
Proceedings, vols. 15, 16	Royal Physical Society, Edinburgh.
Proceedings, Session 1889	Highland and Agricultural Society of Scotland.
Transactions, fifth series, vol. 2	J. Bennie and Thomas Scott, Geological Survey of Scotland, Edinburgh.
The Ancient Lakes of Edinburgh	University, Glasgow.
Calendar, 1890-91	R. Kidston, Stirling.
14 Pamphlets (various subjects)	Berwickshire Naturalists' Club.
Proceedings, vol. 12, part 2, 1888	Science and Art Museum, Dublin.
Guide to Natural History Department [R. Scharff]	Prof. A. C. Haddon.
Natives of Mowat, Dandai, New Guinea	
Manners and Customs of Torres Straits Islanders	
Legends from Torres Straits, Nos. 1 and 2	
Ethnography of Western Tribe of Torres Straits	
Trimen and Bowker's South African Butterflies, vol. 3	
Reports for 1861, /62, /63, /64, /66, /74, /75, /76, /78, /80, /81, /88, and /89	
„ Phylloxera Commission, 1886	South African Museum.
„ Inspector of Vineyards, 1886, 8vo.	
„ Inspector of Vineyards, part 3, for 1887	
„ of Department of Agriculture, 1888-89	
Palæontologia Indica, Ser. 13, Vol. 4, part 1	Geological Survey of India.
Palæontographica Indica, Cretaceous Fauna 4, 1	
Records, vol. 22, part 4; vol. 23, parts 1, 2, 3	
Memoirs, vol. 24, part 2	
Indian Museum Notes, vol. 1, numbers 2, 3, and 4	Indian Museum, Calcutta.
Distant's Monograph of Oriental Cicadidæ pts. 1, 2, and 3	
Catalogue of Minerals, Ores, and Rocks	Government Central Museum, Madras.
Notes on the Pearl and Chank Fisheries, by E. Thurston	
Report, 1889-90	
Parts K. and M., Annual Report, 1887	
Annual Report, vol. 3, parts 1, 2, and maps	Geological and Natural History of Canada.
Catalogue of Canadian Plants, part 1	
Contributions to Micro-Palæontology—Foord, 1883	
„ „ „ part 2	
Canadian Record of Sciences, vol. 3, No. 8; vol. 4, Nos. 1, 2, 3	Natural History Society, Montreal.
Proceedings and Transactions, vol. 7	Royal Society of Canada.
Proceedings, vol. 7, part 3	Nova Scotia Institute, Halifax.
Annual Calendar, 1890-91	McGill College and University, Montreal.
Dictionary of the Language of the Micmac Indians, by S. T. Rand	Hon. G. E. Foster, Minister of Finance, Ottawa.
Seventh and Eighth Annual Report...	Director, United States Geological Survey.
Bulletins, Nos. 48-57	
Monograph, vol. 13, with Atlas, 14, 15, 16	
Fisheries and Fishery Industries of the United States, Section 1, Geographical Review	United States Commission of Fish and Fisheries.

Donations.	Presented by—
<i>Books, &c.—continued.</i>	
Proceedings United States National Museum, vols. 10, 11 Bulletins " " Nos. 33-37	Smithsonian Institution.
Report, 1886, parts 1 and 2	
" 1887, parts 1 and 2	
Bureau of Ethnology, Reports 1, 4, 5, 6	Chief of Engineers, United States Army Department.
Report of the United States Geographical Surveys West of the 100th Meridian, vol. 1	
Memoirs, vol. 16, Nos. 3, 6, 7, 8, 9; vol. 17, Nos. 1, 5, 6...	
Bulletin, vol. 18, vol. 19, Nos. 1, 2, 3, 4; vol. 20, No. 1	Museum of Comparative Zoology, Harvard College, Cambridge, Mass.
Report, 1888-9	
Bulletin, vol. 2, Nos. 3, 4	American Museum of Natural History.
Reports, Nos. 5-10, and 1889-90	
New York State Museum, 41st and 42nd Annual Reports	Prof. Jas. Hall, Director, New York State Museum, Albany, New York.
Palaeontology of New York, vol. 5, parts 1, 2, vols. 6 and 7	
Illustrations of Devonian Fossils	New York Academy of Sciences.
Annual Reports of the State Geologist, 1, 2, 3, 5, 6	
Annals, vol. 4, Nos. 10, 11, 12	
Transactions, vol. 8, Nos. 1-8	Academy of Natural Sciences, Philadelphia.
Bulletin No. 2	
Proceedings, 1889, parts 1, 2, 3; 1890, part 1	Zoological Society of Philadelphia.
18th Annual Report	
Proceedings, vol. 24, parts 1 and 2	Boston Society of Natural History.
Eighth and Ninth Annual Reports of the State Mineralogist	
Proceedings, 2nd series, vol. 1, 1888; vol. 2, 1889	California State Mining Bureau, Sacramento, Ca.
9th Annual Report	
Baxter—The Old New World	California Academy of Sciences, San Francisco.
West American Scientist, June, 1890	
28th Annual Report	Cincinnati Museum Association, Cincinnati, Ohio.
Bulletin vol. 3, No. 1	
Pineal Eye in Extinct Vertebrates	Hemenway South Western Archaeological Expedition, Salem, Mass.
Shoulder Girdle and Extremities of Eryops...	
And other papers	C. R. Orcutt, San Diego, Cal.
Transactions, vol. 2	
Proceedings, vol. 5	State Board of Agriculture, Michigan.
Code of Election Laws of State of New York	
Verhandlungen, 1889, Qtl. 1, 2, 3, 4	Academy of Natural Science, Minnesota.
Annalen 4, parts 2, 3, 4	
Mittheilungen, 1890, Nos. 2, 3	Prof. E. D. Cope, Philadelphia.
Földtani Kozlony, January—July	
Bulletin, 1889 and 1890	Wagner Free Institute of Science, Philadelphia.
Sitzungsberichte, 1889, Bd. 1	
Bolletino, vol. 12	Biological Society, Washington
Procès Verbaux des Séances, 1888-89	
Revue Mensuelle, December, 1889, to November, 1890	Anonymous.
Catalogue, fas. 7, 8, 9	
Isopodes terrestres du "Challenger"	K. K. Zoologische-Botanische Gesellschaft, Vienna.
Bulletin 15, No. 7	
Notice sur les Titres et Travaux scientifiques	K. K. Naturhistorischen Hofmuseums, Vienna.
Compte-Rendu des Séances du Congrès International de Zoologie	
Sur les Crustacés des Sebkhass et des Chotto d'Algérie	Ornithologischen Vereines, Vienna
Matt. and Nat. Mittheilungen aus Sitzungsberichte, 1889. Hft. 8, 9,	
10; 1890, Heft 1-7.	Ungarischen Geologischen Gesellschaft, Budapest.
Sitzungsberichte, 1889, vol. 22, Nos. 1-53; 1890, vol. 23, Nos. 1-19	
	Académie des Sciences, Cracow
	K. Böhm. Gesellschaft der Wissenschaften, Prag., Bohemia.
	Società Adriatica di Scienze Naturali, Trieste.
	Société Royale de Malacologie, Brussels.
	Feuille des Jeune Naturalistes, Paris.
	Prof. A. Dollfus.
	Société Zoologique de France.
	Dr. R. Blanchard, Paris.
	K. Preussischen Akademie der Wissenschaften, Berlin.

Donations.	Presented by—
<i>Books, &c.—continued.</i>	
List der Autoren	{ Zool. Sammlungen des K. Museen für Naturkunde, Berlin.
Zur Grossnuns Feiertag	
Führer durch die Sammlungen des Museums	
Zeitschrift für Ethnologie, 1890, hft. 1, 2, 3, 4	{ Berliner Gesellschaft für Anthropologie, Ethnologie, und Urgeschichte.
Inaugural Dissertations, &c., 1889	{ K. Fred. Wil. University, Bonn.
Verhandlungen, 1889, heft. 1, 2	{ Naturhistorischen Vereines, Bonn.
34 and 35 Berichte, 1886-88... ..	{ Vereins für Naturkunde, Cassel.
Der Knochen-Entfettungsapparat des K. Z. Mus. zu Dresden	{ A. Kuhnscherf & Sohne, Dresden.
Abbildungen von Vogel Skeleton, Lief. 12, 13	{ Dr. A. B. Meyer, Königlichen Hofmuseums, Dresden.
Bericht K. Sammlungen für Kunst und Wissenschaft	
Masken von Neu Guinea	
Abhandlungen und Berichte, 1888-9	
III. Jahresbericht der Ornithologischen Beobachtungsstationen	
Amtliche Berichte, 1-5, 1890	{ Senckenbergische Naturforschenden Gesellschaft, Frankfurt-a-M.
Berichte, 1889 and 1890	
Peterman's Mittheilungen-Abdruck, 1890, hft. 3	{ Editor of the
Eigenthum triassischer Echinoiden	{ Dr. Doderlein, Museum, Strassburg.
Echinodermen von Ceylon	
Seeigel von Japan	
Japanische Bryozoen fauna	
Nat. Mus.—Zool.-Ost. Abt.	
" Bericht Zool. Abt., 1886-89	{ Prof. E. H. Giglioli, Royal Zoological Museum, Florence.
Primo Resconto del Risultati della Inchiesta Ornitologica, parte 2	
Lakis Kratere og Lavastramme. A. Helland	
Reusch—Silurfossiler og Pressede Konglomerater i Bergenskeifrene	{ Bibliothèque de l'Université Royale de Norvège, Christiania.
Brogger—Die Silurischen Etagen 2 und 3 im Kristianiagebet und auf Eker	{ Prof. R. Collett, Christiania.
Om 6 for Norges Fauna nye Fugle funde, 1887-89	
On the Immigration of Syrrhaptus paradoxus into Norway in 1888	
Diagnosis des Poissons nouveaux 1889, 1890	{ Director, Museum, Bergen.
Aarsberetning for 1888	
Bihang, Collection of Memoirs, 8vo. Sec. 3, Bot., Bd. 12, 13; Sec. 4, Zool., Bd. 12, 13	{ La Bibliothèque de l'Académie Royale Suédoise des Sciences, Stockholm.
Boletin, Tomo 15	{ Comision del Mapa Geologico de España, Madrid.
Descripcion fisica, &c., de la Provincia de Huelva, J. Gonzalo y Tarin. Tom. 2	
Mapa Geologico de España, Hoja Nos. 8, 6, 12, 16, 20, 23, 24, 27, 28, 31, 32	{ Comité Géologique, St. Petersburg.
Bulletin, Tome 8, Nos. 6-10: Supplément, 1888	
Mémoires. Vols. 9 and 11	
Bulletin, Tome 9, 1-6... ..	{ Société des Naturalistes, Kiew.
Bibliothèque, 1889	
Tome 10, part 2	{ Société Impériale des Naturalistes, Moscow.
Bulletin, Tome 1, part 1	
Bulletin, 1888, part 4; 1890, part 1, 2, 3	{ Director, Museo Nacional, San Jose, Costa Rica.
Memoria de la Secretaria de Gobernacion	
Anales, part 2	{ Directeur, Musée de la Plata.
Rapi de Coup d'œil sur la Fondation et son Développement	
Anales del Museo, part 19	{ Director, Museo Nacional, Buenos Ayres.
Sixteenth Annual Report of the Minister of State for Education	{ Chief Librarian, Tokyo Library.
Calender, 1889-90	{ Imperial University, Tokyo, Japan.
Transactions, vol. C, part 3	
Journal of College of Sciences, vol. 3, part 4	

APPENDIX VI.
EXCHANGES.

Specimens received.	Specimens forwarded.
	British Museum. (12.)
	Casts:—2 specimens.
	Mammalia:—12 species—15 specimens.
	Birds:—29 species—42 specimens.
	Fishes:—15 species—18 specimens.
	Reptiles:—2 species—2 specimens.
	Bondi Aquarium. (29.)
Mammalia:—1 species—1 specimen.	Ethnological:—Several specimens.
	Dr. R. Blanchard, Paris. (39.)
Books.	Leeches:—3 species—13 specimens.
	Mr. J. Connelly, Dubbo. (13.)
	Minerals:—50 specimens.
	Clergy Daughters' School, St. Catherine's, Waverley. (28.)
Reptilia:—3 species—3 specimens.	Minerals, Insects, Reptiles, &c.:—various specimens named.
	Dr. J. C. Cox, Sydney. (35.)
Mollusca:—2 species—19 specimens.	Mollusca:—2 species—2 specimens.
	Mr. John Copp, Darlington. (38.)
Ethnological:—6 specimens.	Ethnological:—2 specimens.
	Professor Collett, Christiania. (45.)
Mammalia:—2 species—2 specimens.	
	Canterbury Museum, Christchurch. (54.)
	Birds:—1 species—1 specimen.
	Mr. Deane, Drake. (17.)
Minerals:—12 specimens.	Minerals:—25 specimens.
	Dr. Doderlein, Museum, Strasburg. (21.)
	Echinodermata:—10 species—45 specimens.
	Mr. B. G. Engelhardt, Jamberoo. (27.)
Fossils:—70 species—188 specimens.	
	Free Public Library, Sydney. (26.)
Book. 2 vols.	Book. 1 vol.
	Mr. G. W. Griffin, Consul for the United States. (25.)
	Mammalia:—2 species—2 specimens.
	Birds:—3 species—5 specimens.
	Reptiles:—2 species—2 specimens.
Minerals:—3 specimens.	
Fossils:—4 specimens.	Mr. R. Helms. (2.)
	Mollusca:—54 species—106 specimens.
	Prof. A. C. Haddon, Dublin. (7.)
Photographs:—27 specimens.	Photographs (in 1889).
Pamphlets.	
	Mr. Thos. Horton, Drake. (18.)
Minerals:—48 specimens.	Minerals:—37 specimens.
	Hawaiian Legation. (42.)
	Mammalia:—2 species—2 specimens.
	The Hospital, Gladesville. (56.)
Mammalia:—1 species—1 specimen.	Mammalia:—1 species—1 specimen.
Birds:—1 species—2 specimen.	
Fishes:—2 species—2 specimens.	
	Imperial Museum, Vienna. (4.)
	Ethnological:—122 specimens.
Lepidoptera:—16 specimens.	Mr. W. Kershaw, Melbourne. (15.)
	Lepidoptera:—2 specimens.
Ethnological:—68 specimens.	Mr. E. Lovett, Croydon, England. (10.)
	Ethnological:—8 specimens.
Ethnological specimens (in 1885).	Museum of Archaeology, Cambridge, England. (5.)
	Ethnological:—8 specimens—16 photographs.

Specimens received.	Specimens forwarded.
Museum of Comparative Zoology, Harvard College, Cambridge, Mass., U.S.A. (14.) Fishes:—70 species—85 specimens.	Reptilia:—17 species—23 specimens. Fishes:—33 species—58 specimens.
Macleay Museum, University, Sydney. (30.)	Cast:—1 specimen.
National Museum, Melbourne. (22.)	Mammalia:—2 species—2 specimens. Birds:—23 species—34 specimens.
Mr. A. S. Olliff. (20.)	Book.
Department of Public Instruction (for Hurlstone Training School.) (16.)	Mammalia:—12 species—12 specimens. Birds:—24 species—24 specimens.
Public Library, Museum, and Art Gallery of South Australia. (34.) (44.) Cast:—1 specimen. Birds:—1 species—2 specimens. Egg:—1 specimen.	Casts:—2 specimens. Ethnological:—1 specimen.
Mr. H. Parkinson, New Britain. (49.)	Book:—3 Vols.
Mrs. Seymour, North Sydney (per Mr. F. Ratte.) (19.)	Mineral:—1 specimen.
Dr. W. Schewiakoff. (31.)	Drum of Spirits of Wine.
Professor T. P. Anderson Stuart, Sydney. (33.) (40.)	Ethnological:—13 specimens.
Sponges:—6 species—10 specimens. Entomological:—1 specimen.	
Mr. H. Suter, Christchurch, N.Z. (46.)	Mollusca:—54 species—140 specimens.
Tasmanian Museum, Hobart. (3.)	Ethnological:—261 specimens.
Mammalia:—2 species—3 specimens. Crustacea:—1 species—1 specimen. Minerals:—25 specimens.	
Technological Museum, Sydney. (36.) (37.) (55.)	Sundries:—14 specimens. Sundries:—3 specimens
Polyzoa:—12 species—20 specimens. Echinodermata:—13 species—111 specimens. Corals, &c.:—99 species—183 specimens.	
United States National Museum. (1.)	Fishes:—30 species—44 specimens.
Birds:—1 specimen—1 species. Fishes:—15 specimens—15 species.	
University of Sydney. (24.)	Mammalia:—2 vertebræ. Reptilia:—1 species—1 specimen. Myriopoda:—1 species—6 specimens. Sundries:—2 specimens.
Mr. T. Whitelegge, Sydney. (41.)	Book:—1 Vol.
Zoological Society, London. (23.)	Aves:—2 species—4 specimens.
	E. P. RAMSAY, Curator.

APPENDIX VII.

DEPARTMENTAL REPORTS BY THE CURATOR.

To the Trustees of the Australian Museum,—
Gentlemen,

I have the honour to submit herewith Reports of the different Departments for the year 1890; and in doing so, I desire to record my thanks for leave of absence granted to me during the year for medical treatment, and specially during the months of May, June, and July, when Mr. R. Etheridge, junr., by your appointment, performed the duties of Curator:—

MAMMALS.—Owing to the alterations and additions to the Museum, a large portion of the collections has been withdrawn from public exhibition, and has been housed in temporary buildings in the grounds. This has rendered it injudicious to greatly increase the collection, except in cases where valuable or unique specimens have been offered. Some of the most interesting acquisitions are:—Northern seals, *Cystophora cristata*; twenty-four skulls of natives of New Britain; a number of specimens of *Macropus rufus*; stuffed specimens of *Aepyar melampus* and *Cervus pardus*; a skeleton of the pronghorn antelope.

BIRDS.—

BIRDS.—The collections of birds have been increased by 235 specimens, the most worthy of notice being a nearly perfect skeleton of the great auk, from the U. S. National Museum, and a rare bird of Paradise, *Dyphylodes guglielmi* iii, from New Guinea, and fine adult. The upper floor of the Museum in which the bird collections are exhibited was closed for about four months for repairs to walls and ceiling. It has now been reopened, and a contract has been made for the erection of additional wall cases. Work has been continued at the "Catalogue of Australian Birds," the part containing the Psittaci* being now ready for the press.

REPTILES, BATRACHIANS, AND FISHES.—Mr. J. Douglas Ogilby, Assistant in Zoology in these Departments, severed his official connection with the Museum towards the end of 1890, and a successor has not yet been appointed. He left the collections under his charge in good order, and he has since been employed by contract in writing and completing catalogues.

In the present condition of the Museum buildings, already referred to, not much new work has been attempted during the year, but the collections have been gone over, as usual, and carefully attended to.

Some of the most interesting acquisitions have been of lizards—*Lygosoma monotropis*, Blg., and *Lygosoma atrogulare*, sp. nov.; Batrachians, *Hyla macgregori*, sp. nov., from New Guinea; of snakes—*Acanthophis wis* from New Guinea; two large Indian pythons (*Python reticulatus*); and over 400 specimens collected during the late floods at the Darling River.

The work of arranging, describing, naming, and labelling the fishes was steadily continued during the year, but want of space has prevented several large collections being placed on view. A few interesting exchanges have been made with other Museums, and we have received, among others, valuable collections of Brazilian fishes, by exchange from the Museum of Comparative Zoology, Harvard College, Cambridge, Mass., and of North American fishes from the U. S. National Museum. Some of the more important single specimens acquired are *Tetrodon aurantius*, sp. nov.; *Polynemus verekeri*, sp. nov.; *Harpodon translucens*, sp. nov.; a Sword fish (*Histiophorus brevirostris*); and a large Murray River Cod (*Oligorus macquariensis*), which has been mounted as a skeleton.

MOLLUSCA.—(Mr. John Brazier, Conchologist.) During the year 343 specimens of land and fresh water mollusca were collected on the Darling River, N.S.W. 111 species of marine mollusca were obtained by the Museum staff during a dredging excursion in the Harbour. Two small collections of shells have been purchased.

Show cases are much required for the effective display of the marine, land, and fresh-water shells in the Museum.

Mr. Brazier has been occupied during a great part of his time determining, naming, and cataloguing. A portion of the catalogue will be ready for publication early in 1891.

INSECTS.—Mr. A. S. Olliff, formerly Assistant in this department, resigned his position, and Mr F. A. A. Skuse was appointed his successor.

The total number of acquisitions in this department during the year amounts to about 22,000 specimens, chiefly Micro-coleoptera. Of these, about 20,000 specimens (comprising more than 200 species) were collected in May and June during the latter part of the Darling River floods at Bourke and Wilcannia, containing a large number of rare and new forms. A miscellaneous collection, principally consisting of Micro-lepidoptera, from Benalla, Victoria, and numbering 482 specimens, was purchased, and 294 specimens have been received from various other sources. It is to be regretted that only one exchange was effected, namely, in the acquisition of sixteen specimens of Victorian Lepidoptera (chiefly Heterocera).

Mr. Skuse, since his appointment, has been busy examining, cleaning, arranging, and making himself acquainted with the collections preparatory to their being placed on view in the new gallery after building operations are completed.

MARINE INVERTEBRATA.—(Mr. T. Whitelegge.)—The registrations amount to 445 specimens, representing 193 species, of which 31 species and 51 specimens are donations, the remainder having been acquired by purchase and exchange.

The different sub-kingdoms are represented as follow:—

	Species.	Specimens.
Myriopoda ...	6	6
Crustacea ...	14	20
Vermes ...	19	27
Echinodermata ...	20	128
Coelenterata ...	134	264

The most important addition made in the year 1890 was a series of Corals, Echinoderms, and Polyzoa, which originally formed part of the collection of the late Rev. J. E. Tenison-Woods. The specimens were obtained by exchange, and are mostly from the Great Barrier Reef. There are, however, some from Port Jackson and other parts of the coast of New South Wales. Amongst them are several type specimens and many rare species new to the Museum collection.

During the year about three-fourths of the very large duplicate collection of spirit specimens have been examined with a view to reducing the size and the number of bottles, in order to economise the space, and arrange them in systematic order, so as to render the specimens more easy of access.

MINERALS.—Not very much new work has been attempted in this department during the past year, principally because of the necessity to close the part of the Museum where the mineral collections were displayed and to store away the specimens, and also because of the death in the early part of the year of Mr. F. Ratto, late Assistant in Mineralogy, whose place has not yet been filled up.

The collections have been increased by about 200 specimens received as donations, 90 specimens as exchanges, and a few specimens purchased.

PALEONTOLOGY.—(Mr. R. Etheridge, junr., Palæontologist.)—The specimens registered during 1890 number 1,068, comprising as follows:—

Presented ...	...	...	...	...	...	...	...	...	...
Exchanged ...	...	...	...	...	...	...	...	...	308
Purchased ...	...	...	...	...	...	...	...	...	301
Museum collecting ...	...	...	...	...	...	...	...	...	213
Old collections ...	...	...	...	...	...	...	...	...	237
									9

1,068

The

The chief presentations were made by Professor A. Liversidge, F.R.S., and the Rev. Dr. Jeffreys, already acknowledged in last year's report. The former gave a very good set of miscellaneous British secondary and tertiary fossils, including some rare forms. The exchanges represent permo-carboniferous fossils from the Jamberoo District, from Mr. Engelhardt, Public School, Jamberoo; and similar organism from Mulbring, near Maitland, forwarded by Mr. S. Dodds. The chief purchases include additional remains of *Meiolania*, from Lord Howe Island; Pleiocene fruits, from the deep gold leads of Haddon, Victoria; Wenlock fossils, from Lilydale, Victoria; and casts of *Phenacodus primævus* and *Hyracotherium ventricatum*, from America. The specimens obtained by Museum collecting are from the Shoalhaven District and from Lilydale, Victoria, collected by Mr. A. J. North.

As already noticed, Mr. Etheridge filled the post of Acting Curator for three months, when his attention had to be given to the removal of specimens from a portion of the Museum to a store to make room for building operations. This work required special attention, and, with the general oversight of the Museum which devolved on him, delayed for a short time the work of his own department.

The following official papers were published during 1890:—

1. General Notes made during a visit to Mount Sassafras, Shoalhaven.
2. Descriptions of Upper Silurian Fossils from the Lilydale Limestone, Upper Yarra District, Victoria.—*Records Australian Museum*, 1890, I, pt. 1, p. 27; pt. 3, p. 60.

ETHNOLOGICAL COLLECTIONS.—(*Mr. J. Brazier*). During the year 320 specimens have been purchased, the most important being a fine lot of greenstone axes and old clay cooking-pots from New Caledonia; fine-made mats, baskets, hats, native hair lines and fishing hooks, from Gilbert and Kingsmill Group; necklaces, drums, and other rare articles of native dress, from British New Guinea; clubs, spears, cava-bowls, and food-baskets, from Viti or Fiji; stone-headed spears, from Bathurst Island, Torres Straits. By exchange seventy-four specimens have been acquired, the most important of which is a valuable collection of Neolithic worked flints from the Chalk Hills, South Downs, England; worked flints, from the River Thames; Paleolithic worked flints, from the river gravels, near London; polished basalt celts, from Ireland; celt socket, formed of the base of the red deer, from Swiss Lake dwellings; old English flint and steel, from Yorkshire; modern French peasant's pipe-lighter, flint, and steel; iron lamp, or "cruzie," in use since Roman times in Scotland; brass lamp, being a modification of the "cruzie," from Antwerp; cornelian arrow-tips, from Arabia; photographs of Hindoo pipes; illustrated art derived from natural objects, from Mr. E. Lovett, Croydon, England.

The following is a summary of the Ethnological specimens, registered in 1890:—

BY PURCHASE.		PRESENTED.	
Gilbert or Kingsmill Group	42	New Zealand	11
Marshall Group	6	New South Wales	23
Caroline Islands	1	Island of Manihiki, Harvey Group	1
Nieu or Savage Island	1	France	18
Samoan Islands	4		53
New Caledonia	144		
New Britain	13	BY EXCHANGE.	
New Hebrides	17	England	63
Solomon Islands	8	New Hebrides	6
British New Guinea	120	Samoan Islands	
Admiralty Islands	1	New Caledonia	
New Zealand	17	Fiji	74
Queensland	14		
New South Wales	14	BY MUSEUM COLLECTORS.	
Viti or Fiji Islands	44	North Queensland	39
Bathurst Island, Torres Straits	17		
Persia	8		
India	1		
Malacca	1		
473			

NUMISMATICAL AND HISTORICAL SPECIMENS (*Mr. J. Brazier*).—In this department, show cases are required to display the large collections of coins, medals, and tokens that are put aside in boxes. During the year the presentations have been 1 silver fourpenny, Charles II, 1677; 1 penny token, Walsall, England, 1811; 1 penny token, Day and Mieville, merchants, Dunedin, New Zealand, 1857; 1 penny token, S. Hague Smith, merchant, Auckland, New Zealand, 1861; 2 Roman coins, 2 Turkish, 1 Russian, 2 kopecks.

Five historical presentations have been received, viz.:—A copy of the New Testament in French, printed in France, 1664; the Hobart Town *Gazette*, Van Dieman's Land, 25 April, 1829, with duty stamp of 1827; *General Advertiser*, March 4, 1803, printed in Philadelphia, United States of America; "The Almost Christian discovered, or the false Professor tried and cast," being the substance of seven sermons preached at Sepulchers, London, 1661, printed for John Tims, at the "Cross Keys," in St. Paul's Churchyard, 1662; a block of East Indian teak wood of the ship "Endeavour," East Indiaman, beached at Duskey Bay, New Zealand, in 1775.

I have, &c.,
E. P. RAMSAY,
Curator.

APPENDIX VIII.
ADDITIONS TO THE LIBRARY.

Reg. No.	Book.
3875	Natural History of Victoria. Prodomus of the Zoology of Victoria; or Figures and Descriptions of the living species of all classes of the Victorian Indigenous Animals. Vol. II (Decades XI to XX), by Fred. McCoy. 1 vol. 4to. Melbourne, 1890.
3876	Colonial Museum and Geological Survey of New Zealand. Reports of Geological Explorations during 1887-88, 1888-89. 1 vol., 8vo. Wellington, 1888-90.
3877	Index to Reports of the Geological Survey of New Zealand, 1866-85. 1 vol., 8vo. Wellington, 1887.
3878	Catalogue of the Colonial Museum Library. 1 vol. 8vo. Wellington, 1890.
(3600)	Studies in Biology for New Zealand Students, No. 4. The Skeleton of the New Zealand Cray Fishes (<i>Palinurus</i> and <i>Peranephrops</i>), by T. Jeffrey Parker. 1889.
(3686)	Colonial Museum and Geological Survey of N.Z. Twenty-fourth Annual Report, 1888-89 (1890).
3879	Sydney Quarterly Magazine. Vol. VII. 1 vol. 8vo. Sydney, 1890.
(3492)	School of Mines, Ballarat. Annual Reports for 1888 and 1889.
3880	Board of Technical Education of New South Wales— President's Annual Address, by Norman Selfe, 28 March, 1887. Sydney Technical College and Suburban and Provincial Technical Schools. Melbourne Centennial Exhibition, 1888. Sydney Technical College Annual Meeting and President's Annual Address, by Norman Selfe, 29 February, 1889. Report of the Board of Technical Education of New South Wales for 1888, and Calendar of Sydney Technical College for 1889. 1 vol. 8vo. Sydney, 1887-89.
(3486)	Auckland Institute and Museum. Reports 1888-89. 1889-90.
3881	Official Catalogue of the Natural and Industrial Products of New South Wales forwarded to the International Exhibition of 1876 at Philadelphia. 1 vol. 8vo. Sydney, 1876.
3882	New South Wales Government Railway Institution. Catalogue of Books. 1 vol. 8vo. Sydney, 1890.
(3494)	Sydney Free Public Library. Reports 1888-89 and 1889-90.
(3496)	Public Library, &c., of Victoria, Reports 1888 and 1889.
(3502)	Tasmanian Museum and Botanical Gardens. Report of Trustees for 1888.
(3498)	South Australian Public Library, &c. Report, 1888-89. (1889.)
(3499)	Report of Journey from Warrina to Musgrave Ranges. H. Y. L. Brown. Adelaide, 1890. Geological Map of the Tertiary Deposits of the Hundred of Barossa, with Explanatory Notes. H. Y. L. Brown. Adelaide, 1889.
(3501)	Report of the Hodgkinson Gold-field. R. L. Jack. Brisbane, 1884. Report of the Burrum Coal-field. W. H. Rands. 1886. Report of the Geology and Mineral Resources of the Districts of Kilkivan and Black Snake. W. H. Rands. 1886. Geological Observations in the North of Queensland, 1886-87. R. L. Jack. 1887. Coal Discoveries on the Flinders. R. L. Jack. 1888. Mount Morgan Gold Deposits. Second Report. R. L. Jack. 1889. Tarangauba Gold-mine. R. L. Jack. 1889. Annual Progress Report of the Geological Survey for 1889.
(3495)	Queensland Museum. Report, 1888.
(3602)	Edinburgh Museum. Report for 1889.
(3508)	Cambridge Antiquarian Museum. Report, 1889.
(3603)	Museum of Comparative Zoology. Report, 1888-89.
(3509)	Government Central Museum, Madras. Reports, 1880-81, 1887-88. " " " " 1888-89, 1889-90.
3883	Queensland. Department of Mines. Annual Report of the, for the Years 1884-85-86. in 1 vol. fol. Brisbane, 1885-87.
3884-85	Annals and Magazine of Natural History, including Zoology, Botany, and Geology. Vol. V and VI, Sixth Series, 1890. 2 vols. 8vo. London, 1890.
3886	Geological Magazine, or Monthly Journal of Geology, with which is incorporated The Geologist, Nos. 107 to 118. New Series, Decade III. Vol. VII, 1890. 1 vol. 8vo. London, 1890.
3887	The Entomologist. An Illustrated Journal of general Entomology. Vol. XXIII. 1 vol. 8vo. London, 1890.
3888	Entomologist's Monthly Magazine. Second Series. Vol. I (26). 1 vol. 8vo. London, 1890.
3889	The Ibis. A Quarterly Journal of Ornithology. Vol. II, 1890. Sixth Series. 1 vol. 8vo. London, 1890.
3890	Deutsche Entomologische Zeitschrift. Jahrgang, 1889 12 Heft, and Berichte über die Wissenschaftlichen im Gebiete der Entomologie, 1888. (Crustacea, 1887.) 1 vol. 8vo. Berlin, 1889.
3891	American Naturalist. Vol. XXIII. 1 vol. 8vo. New York, 1889.
3892	Comptes Rendus hebdomadaires des Séances de l'Académie des Sciences. Tome CX, Jan.-Jun, 1890. 1 vol. 4to. Paris, 1890.
3893	Nature. A Weekly Illustrated Journal of Science. Vol. XLII. May-Oct., 1890. 1 vol. 4to. London, 1890.
3894	Marine Biological Association of the United Kingdom. Journal No. 1 (Aug., 1887), No. 2 (Aug., 1888), in 1 vol. 8vo. London, 1887-88.

Reg. No.	Book.
3895-96	Academy of Natural Sciences of Philadelphia. Proceedings, 1888-89. 2 vols. 8vo. Philadelphia, 1889-90.
3897	Linnean Society. Journal—Botany. Vol. XXIII. 1 vol. 8vo. London, 1886-88.
3898	Manchester Microscopical Society. Transactions and Annual Report, 1889. 1 vol. 8vo. Manchester, 1889.
3899	Geological Survey of India. Memoirs of. Vol. XXIV. 1 vol. 8vo. Calcutta.
3900	Journal of the College of Science, Imperial University, Japan. Vol. III. 1 vol. 4to. Tokyo, 1890.
(3510)	South African Museum. Reports, 1861-4, 66, 74-6, 1878, 80, 81, 87, 88, 89.
(3280)	Zittel Handbuch der Palaeontologie. Lief. 7-8-9.
3901	Zoologischer Anzeiger. Register, Jahrgang, 1-x. 1 vol. 8vo. Leipzig, 1889.
3902	Bergens Museums. Aarsberetning for 1888. 1 vol. 8vo. Bergen, 1889.
3903	Challenger. Report of the Scientific Results of the Voyage of. Zoology. Vol. XXXII. Contains— 1. Report on the Antipatharia, by Geo. Brooke. 2. Supplementary Report on the Aleyonaria, by Prof. T. Studer. 3. Report on the Deep-sea Keratosa, by Prof. E. Haeckel. 1 vol. 4to. London, 1889.
3904	Hudson (C. T.) and Gosse (P. H.). The Rotifera; or Wheel Animalcules, both British and Foreign. Supplement. 1 vol. 4to. London, 1889.
3905	Annales des Sciences Naturelles. Zoologie et Paléontologie, Tome VII. 1 vol. 8vo. Paris, 1889.
3906	Comisión del Mapa Geológico de España. Boletín, Tomo XV. 1 vol. 8vo. Madrid, 1888.
3907	Smithsonian Institution. Report, part I, 1885-86. 1 vol. 8vo. Washington, 1889.
3908	California State Mining Bureau. Eighth Annual Report of the State Mineralogist, 1888. 1 vol. 8vo. Sacramento, 1888.
3909	Department of Mines, New South Wales. Annual Report for 1888. 1 vol. fol. Sydney, 1889.
3910	Reusch (Hans H.). Silurfossiler og pressede konglomerater i Bergensskifrene. 1 vol. 4to. Kristiania, 1882.
3911	Brogger (W. C.). Die Silurischen Etagen 2 und 3 im Kristianiagebet und auf Eker. 1 vol. 4to. Kristiania, 1882.
3912	Kirk (T.). The Forest Flora of New Zealand. 1 vol. fol. Wellington, 1889.
3913-5	Liverpool Biological Society. Proceedings. Vols. I, II, III. 3 vols. 8vo. Liverpool, 1887-89.
3916	British Museum. Illustrations of Typical Specimens of Lepidoptera Heterocera in the British Museum. Part VII, by A. G. Butler. 1 vol. 4to. London, 1889.
3917	Whitelegge (Thomas). List of the Marine and Fresh-water Invertebrate Fauna of Port Jackson and Neighbourhood. Royal Society, New South Wales, 1889. 1 vol. 8vo. Sydney, 1889.
3918	Lumboltz (Carl). Among Cannibals, an account of Four Years' travels in Australia, and of Camp Life with the Aborigines of Queensland. 1 vol. 8vo. London, 1890.
3919	Hickson (Sydney J.). A Naturalist in North Celebes. 1 vol. 8vo. London, 1889.
3920	Dunman (Thos.) and Wingrave (V. H. Wyatt). Glossary of Anatomical Physiological and Biological Terms, by Thos. Dunman, edited and supplemented by V. H. Wyatt Wingrave. 1 vol. 8vo. London and Sydney, 1889.
3921	Smith (H. Percy). Glossary of Terms and Phrases, new edition. 1 vol. 8vo. London, 1889.
3922	Kirby (W. F.). European Butterflies and Moths. 1 vol. 4to. London, 1882.
3923	Stevens (Edward T.). Flint Chips. A Guide to Pre-historic Archaeology as illustrated in the collection in the Blackmore Museum, Salisbury. 1 vol. 8vo. London, 1870.
3924	Bennett (George). Gatherings of a Naturalist in Australia. 1 vol. 8vo. London, 1860.
3925-6	— Wanderings in New South Wales, Batavia, &c., being a Journal of a Naturalist in those countries during 1832-34. 2 vols. 8vo. London, 1834.
3927	Walker (Francis).— Notes on Chalcidæ, parts I to VII. London, 1871-72. Characters of Undescribed Lepidoptera Heterocera. London, 1869. List of Hymenoptera collected by J. K. Lord in Egypt, &c., with Descriptions of the new Species. London, 1871. List of Coleoptera collected by J. K. Lord in Egypt, &c., with Characters of the undescribed Species. London, 1871. In 1 vol. 8vo.
3928	Koch (Gabriel). Indo-Australische Lepidopteren Fauna. 1 vol. 8vo. Leipzig, 1865.
3929	Felder (C. and R.). Species Lepidopterorum hucusque descriptæ vel iconibus expressæ in seriem systematicam digestæ. Vindobonæ, 1864. Diagnoses Lepidopterologicæ (contains 7 papers), circ. 1862. In 1 vol. 8vo.
3930-1	Nicholson (H. A.) and Lydekker (R.). A manual of Palæontology for the use of Students, with a general introduction on the principles of Palæontology. 3rd edition. 2 vols. 8vo. London, 1889.
3932	Trimen (R.) assisted by Bowker (J. H.). South African Butterflies; a Monograph of the extra-tropical Species. Vol. III, Papilionidæ and Hesperidæ. 1 vol. 8vo. London, 1889.
3933	Murray (Jas. A. H.). New English Dictionary. Part 5, cast-clivy. 1 vol. 4to. Oxford, 1889.
3934-5	Edwards (George). A Natural History of Uncommon Birds, and of some other rare and undescribed Animals. In four parts (not quite complete). 2 vols. 4to. London, 1743-51.

- 3936 Mueller (F. von). Second Systematic Census of Australian Plants with Chronologie, Literary, and Geographic Annotations. Part I, Vasculares. 1 vol. 4to. Melbourne, 1889.
- 3937 Konigliche Museen zu Berlin. Fuhrer durch die Sammlungen des Museums für Völkerkunde 4te Auflage. 1 vol. 8vo. Berlin, 1890.
- 3938 Technological Museum, Sydney. Descriptive Catalogue, No. 1—Raw Wools, and Specimens to illustrate the Woollen Manufacture, by Alfred Hawkesworth. 1 vol. 8vo. Sydney, 1890.
- 3941 Henderson (John). Observations on the Colonies of New South Wales and Van Diemen's Land. 1 vol. 8vo. Calcutta, 1832.
- 3942 Australian Museum. Catalogue of Specimens of Natural History and Miscellaneous Curiosities deposited in the Australian Museum. 1 vol. 8vo. Sydney, 1837.
- 3943 Memoria de la Secretaria de Gobernacion, Policia y Fomento. 1 vol. 8vo. San Jose, Costa Rica, 1889.
- 3944 New York State Museum of Natural History. 42nd Annual Report of the Trustees, for the year 1888. 1 vol. 8vo. Albany, 1889.
- 3945 Trimen (R.) and Bowker (J. H.) South African Butterflies. Vol. III. (Another copy, see No. 3932).
- 3946 Archiv für Naturgeschichte. 53 Jahr., II. Band. 1 vol. 8vo. Berlin, 1887.
- 3947 Australian Handbook. For 1890 (Gordon and Gotch). 1 vol. 8vo. Sydney, 1890.
- 3948 Department of Mines. Memoirs of the Geological Survey of New South Wales. Palæontology No. 3. Geological and Palæontological Relations of the Coal and Plant-bearing Beds of Palæozoic and Mesozoic Age of Eastern Australia and Tasmania; with special reference to the fossil Flora, by Ottokar-Feistmantel. 1 vol. 4to. Sydney, 1890.
- 3949 Matheron (Philippe). Recherches Paléontologiques dans le midi de la France. (Incomplete.) 1 vol. 4to. Marseilles, 1878.
- 3950 Lorient (P. de) and Cotteau (M.) Monographie Paléontologique et Géologique de l'Etage Portlandien.
 1. Description des Fossiles, par P. de Lorient.
 2. Etude Géologique, par M. Cotteau.
 (Bul. Soc. Sci. Hist. Nat. de l'Yonne, 2 Ser., T. 1.) 1 vol. 8vo. Auxerre, 1868.
- 3951 Eudes-Deslongchamps (J. A.) Essai sur les Plicatules Fossiles des Terrains du Calvados. (Mem. Soc. Lin. de Normandie, V. XI.) 1 vol. 4to. Caen, 1858.
- 3952 Linnean Society of N.S.W. Proceedings (Second Series), Vol. IV, 1889. Parts iii and iv, and Index. 1 vol. 8vo. Sydney, 1890.
- 3953 Société Française de Minéralogie. Bulletin. Tome XII. 1 vol. 8vo. Paris, 1889.
- 3954 Entomological Society of London. Transactions for 1889. 1 vol. 8vo. London, 1889.
- 3955 Königlich Preussischen Akademie der Wissenschaften zu Berlin. Mathematische und Naturwissenschaftliche Mittheilungen aus den Sitzungsberichten. Jahrgang, 1889. 1 vol. 8vo. Berlin, 1889.
- 3956 Royal Society of Tasmania. Papers and Proceedings for 1889. 1 vol. 8vo. Hobart, 1890.
- 3957 Lock (C. G. Warnford). Practical Gold-mining: A Comprehensive Treatise on the Origin and Occurrence of Gold-bearing Gravels, Rocks, and Ores, and the Methods by which the Gold is extracted. 1 vol. R. 8vo. London, 1889.
- 3958 Donovan (E.) Natural History of the Insects of India, new edition. 1 vol. 4to. London, 1842.
- 3959 Linnean Society. Journal—Botany. Vol. XXV. 1 vol. 8vo. London, 1890.
- 3960 Quarterly Journal of Microscopical Science. Vol. XXX, new Series. 1 vol. 8vo. London, 1890.
- 3961 Morphologisches Jahrbuch. Eine Zeitschrift für Anatomie und Entwicklungsgeschichte. Herausgegeben von Carl Gegenbaur. Band XV. 1 vol. 8vo. Leipzig, 1889.
- 3962 Challenger. Report of the Scientific Results of the Voyage of.
 Physics and Chemistry, Vol. II, contains:—
 1. Physical Properties of Fresh-Water and Sea-Water, by Prof. P. G. Tait.
 2. Atmospheric Circulation, by Alex. Buchan.
 3. Magnetical Results, by Staff Com. S. W. Creak.
 4. Rock Specimens collected on Oceanic Islands, by Prof. A. Renard.
 1 vol. 4to. London, 1889.
- 3963-4 Reeve (Lovell). Elements of Conchology; an introduction to the Natural History of Shells and of the Animals which form them. 2 vols. 8vo. London, 1860.
- 3965-67 Geological and Natural History Survey of Canada. Annual Report. New series. Vol. III. Part 1: Reports A, B, C, E, F, 1887-88. Part 2: Reports H, J, K, M, N, R, S, T, 1887-88; maps, &c. 3 vols. 8vo. Montreal, 1889.
- 3968 Government Central Museum, Madras. Notes on the Pearl and Chank Fisheries, and Marine Fauna of the Gulf of Manaar, by Edgar Thurston. 1 vol. 8vo. Madras, 1890.
- 3969 Geological Survey of Victoria. Report of Progress by the Secretary for Mines, with the Colony, &c. No. VI, and VII, in 1 vol. R. 8vo. Melbourne, 1880-84.
- 3970-71 Anderson. Anatomical and Zoological Researches; comprising an account of the Zoological Results of the two Expeditions to Western Yunnan in 1868 and 1875; and a Monograph of the two Cetacean Genera, Platanista and Orcella. 2 vols. 4vo. London, 1878.

Reg. No.	Book.
3972	Museum of Comparative Zoology at Harvard College. Bulletin. Vol. XVIII. 1 vol. Svo. Cambridge, 1889.
3973	California Academy of Sciences, Proceedings. Second series, vol. I, 1888. 1 vol. Svo. San Francisco, 1889.
3974	Journal de Conchyliologie. 3 ^e Série. Tome XXIX. Vol. XXXVII. 1 vol. Svo. Paris, 1889.
3975	Zoological Record for 1888; being vol. XXIX of the Record of Zoological Literature. 1 vol. Svo. London, 1890.
3976	British Museum. Catalogue of the Fossil Reptilia and Amphibia in the British Museum. Part III, Chelonia, by R. Lyddeker. 1 vol. Svo. London, 1889.
3977	California State Mining Bureau. Ninth Annual Report of the State Mineralogist for the year ending, 1 Dec., 1889. 1 vol. Svo. Sacramento, 1890.
3978	Parker (W. K.) On the structure and Development of the Skull in the Batrachia. Part III. (Phil. Trans., part I, 1881.) 1 vol. 4to. London, 1881.
3979-80	Hewitson (Wm. C.) Illustrations of Diurnal Lepidoptera. Lycenidæ. 2 vols. 4to. London, 1862-78.
3981-82	Distant (W. L.) Rhopalocera Malayana: A Description of the Butterflies of the Malay Peninsula. 2 vols. 4to. London, 1882-86.
3983	New York Academy of Sciences (late Lyceum of Natural History). Transactions. Vol. VIII, 1888-89. 1 vol. Svo. New York, 1888-89.
3984-85	United States Geological Survey. J. W. Powell, Director— Monograph, Vol. XIII. Geology of the Quicksilver Deposits of the Pacific Slope, by George F. Becker, with Atlas. 1 vol. 4to. Washington, 1888. Atlas. 1 vol. Imp. fol. Washington, 1887.
3986	United States Geological Survey. J. W. Powell, Director— Monograph, Vol. XIV. Fossil Fishes and Fossil Plants of the Triassic Rocks of New Jersey and the Connecticut Valley, by John S. Newberry. 1 vol. 4to. Washington, 1888.
3987	Palæontographical Society. Vol. XLII, issued for 1889. 1 vol. 4to. London, 1890. contains:— Jones (T. Rupert) and Hinde (Geo. Jennings). Supplementary Monograph of the Cretaceous Entomostraca of England and Ireland. Hudleston (Wilfrid H.). Monograph of the British Jurassic Gasteropoda. Part I, No. 4, Gasteropoda of the Inferior Oolite. Buckman (S. S.). Monograph of the Inferior Oolite Ammonites of the British Islands. Part IV. Whidborne (G. F.). Monograph of the Devonian Fauna of the South of England. Part II. The Fauna of the Limestones of Lummaton, Wolborough, Chircombe Bridge, and Chudleigh.
3988	Dewey (Melvil). Tables and Index of the Decimal Classification, and Relative Index for Libraries, Clippings, Notes, &c. 3rd edition. 1 vol. Svo. Boston, 1888.
3989	Kais.-Kon. Geologischen Reichsanstalt. Verhandlungen, Jahrgang 1886. 1 vol. Svo. Wien, 1886.
3990	Berliner Entomologische Zeitschrift. Band XXXIII (1889). 1 vol. Svo. Berlin, 1889.
3991	Nature. Vol. XLI (Nov. 1889 to April, 1890). 1 vol. 4to. London, 1890.
3992-95	Fauna of British India, including Ceylon and Burmah (Edited by W. T. Blandford). Mammalia (W. T. Blandford). Part I. 1 vol. Svo. London, 1888. Birds (E. W. Oates). Vol. I. 1 vol. Svo. London, 1889. Fishes (F. Day). Vols. I and II. 2 vols. Svo. London, 1889.
3996-97	Boheman (Carolo H.) Monographia Cassidarum. Tom. I, 1850; II, 1854; III, 1855; IV (Supp.), 1862. In 2 vols. Svo. Holm, 1850-62.
3998	Brodie (Rev. Peter B.) History of the Fossil Insects in the Secondary Rocks of England, accompanied by a particular account of the strata in which they occur, and of the circumstances connected with their preservation. 1 vol. Svo. London, 1845.
3999	Jacobs (Henri) et Chatrian (Nicolas). Le Diamant. 1 vol. fol. Paris, 1884.
4000-1	Oppel (Albert). Palæontologische Mittheilungen aus dem Museum des Koenigl. Bayer. Staates. 2 vols. Svo. Stuttgart, 1862-65.
4002	Chaper (Maurice). Note sur la Région Diamantifère de l'Afrique Australe. Suite d'un Tableau résumant les études faites par M. Fouqué et M. Levy sur les Roches rapportées de l'Afrique Australe par l'auteur. 1 vol. Svo. Paris, 1880.
4003	Fouqué (F.) et Levy (Michel). Synthèse des Minéraux et des Roches. 1 vol. Svo. Paris, 1882.
4004-5	Henwood (William Jory). Observations on Metalliferous Deposits, and on Subterranean Temperature; forming the eighth volume of the Transactions of the Royal Geological Society of Cornwall. Parts I and II. 2 vols. Svo. Penzance, 1871.
4006	Jannetta (Ed.), Vanderheym (Ern.), Fontenay (E.) et Coutance (A.) Diamant et Pierres Précieuses. 2nd Ed. 1 vol. Svo. Paris, 1881.
4007	University of Sydney. Calendar for 1890. 1 vol. Svo. Sydney, 1890.
4008	New Zealand Institute. Transactions and Proceedings, 1889. Vol. XXII (5th of New Series). 1 vol. Svo. Wellington, 1890.
4009	Government Central Museum, Madras. Catalogue of Minerals, Ores, and Rocks; with a Note on Meteorites, of which the fall in Southern India has been recorded. 1 vol. Svo. Madras, 1890.
4010-11	Daubrée (A.) Etudes Synthétiques de Géologie Expérimentale. 2 vols. Svo. Paris, 1879.

Reg. No.	Book.
4012-14	Salvadori (Tommaso). Ornitologia della Papuasias e delle Molucche. 3 vols. 4to. Torino, 1880-82.
4015	Australian Handbook for 1876 (Gordon & Gotch). 1 vol. Svo. Melbourne and Sydney, 1876.
4016	The Industrial Progress of New South Wales—being a Report ****, &c. (Duplicate copy). 1 vol. Svo. Sydney, 1871.
4017-28	Annales des Mines ou Recueil des Mémoires sur l'Exploitation des Mines, et sur les Sciences et les Arts qui s'y rattachent; Rédigées par les Ingénieurs des Mines et Publiées sous l'autorisation du Ministre des Travaux Publics— Septième Série—Mémoires. Tomes I, II, (1872); III, IV, (1873); V, VI, (1874); VII, VIII, (1875); IX (1876); XIV (1878). Sixième Série—Tomes XIX, XX (1870). 12 vols. Svo. Paris, 1870-78.
4029-33	Revue de l'Exposition de 1867. E. Noble, Editeur-Préparateur, Numéros 1 et 2; 4 (4 et 5 liv.); 5 (6 liv.); 7 (9 liv.); 9. 5 vols. Svo. Paris, 1867-70.
4034	Nouvelle-Calédonie— Rapport du Conseil d'Administration sur les Mines en Nouvelle-Calédonie. Comité consultatif des Mines, Séances, Septembre, 1873. Arrêté sur les Mines du Septembre, 1873. 1 vol. Svo. Nouméa, 1873. Garnier (M.) Essai sur la Géologie et les Ressources Minérales de la Nouvelle-Calédonie. 1 vol. Svo. Paris, 1867. (Bound with above.)
4035	Clarke (Rev. W. B.) Remarks on the Sedimentary Formations of New South Wales. (Duplicate copy.) 1 vol. Svo. Sydney, 1878.
4036	Clarke (Rev. W. B.) Researches on the Southern Gold-fields of New South Wales. 1 vol. Svo. Sydney, 1860.
4037	Scott (A. W.) Mammalia, recent and extinct. (Duplicate copy.) 1 vol. Svo. Sydney, 1873.
4038	Nevada (State of). Biennial Report of the State Mineralogist of the State of Nevada for the years 1873 and 1874. 1 vol. Svo. Carson City, 1875.
4039	London International Exhibition of 1873. (Melbourne, 1872-73.) Official Record, containing Introduction, Catalogues, Reports and Recommendations of the Experts, Official Awards of the Commissioners, and Essays and Statistics on the Social and Economic Resources of the Colony of Victoria. 1 vol. Svo. Melbourne, 1873.
4040	Newman (H. W.) Extracts and Reports on the Lucknow or Wentworth Gold-field, near Orange, New South Wales. Compiled by H. W. Newman. 1 vol. Svo. 1888.
4041	Geology of Victoria. A Descriptive Catalogue of the Specimens in the Industrial and Technological Museum (Melbourne), illustrating the Rock System of Victoria. By Geo. H. F. Ulrich. 1 vol. Svo. Melbourne, 1875.
4042	Poulett-Scrope (G.) Géologie et Volcans éteints du centre de la France. Traduit de l'Anglais sur la deuxième édition, par Ed. Vimont. 1 vol. Svo. Paris, 1866.
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5113	Musée de la Plata. <i>Rapide Coup d'Œil sur la Fondation et son Développement</i> , per Francisco P. Moreno. 1 vol. 8vo. La Plata, 1890.
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5115	Turner (Fred.) <i>A Census of the Grasses of New South Wales, together with a popular description of each species</i> . 1 vol. 8vo. Sydney, 1890.
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5117	Department of Agriculture, Queensland. <i>Report of the Government Scientific Expedition to Bellenden Ker Range upon the Flora and Fauna of that part of the Colony</i> . 1 vol. 8vo. Brisbane, 1889.
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5187	Marine Biological Association of the United Kingdom. Journal, vol. I (n.s.), 1889-90. 1 vol. Svo. Plymouth, 1890.
5188	Quarterly Journal of Microscopical Science. Vol. XXXI, new series. 1 vol. Svo. London, 1890.
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APPENDIX IX.

PUBLICATIONS OF THE AUSTRALIAN MUSEUM, DECEMBER, 1899.

I.—CATALOGUES.

1. Catalogue of the Specimens of Natural History and Miscellaneous Curiosities in the Australian Museum, by G. Bennett. 1837. Svo. pp. 71. (Out of print.)
2. Catalogue of Mammalia in the Collection of the Australian Museum, by G. Krefft. 1864. 12mo. pp. 133. (Out of print.)
3. Catalogue of the Minerals and Rocks in the Collection of the Australian Museum, by G. Krefft. 1873. Svo. pp. xvii-115. (Out of print.)
4. Catalogue of the Australian Birds in the Australian Museum, by E. P. Ramsay. Part I. Accipitres. 1876. Svo. pp. viii-64, and supplement, 1890. Part II, Striges. 1890. Svo. pp. 35.
5. Catalogue of the Australian Stalk and Sessile-eyed Crustacea, by W. A. Haswell. 1882. Svo. pp. xxiv-324, with 4 plates.
6. Catalogue of the Library of the Australian Museum. 1883. Svo. pp. 178. Wrapper, 1s. 6d., with two supplements. (Out of print.)
7. Catalogue of a Collection of Fossils in the Australian Museum, with Introductory Notes, by F. Ratte. 1883. Svo. pp. xxviii-160.
8. Catalogue of the Australian Hydroid Zoophytes, by W. M. Bale. 1884. Svo. pp. 198, with 19 plates.
9. Descriptive Catalogue of the General Collection of Minerals in the Australian Museum, by F. Ratte. 1885. Svo. pp. 221, with a plate.
10. Catalogue of Echinodermata in the Australian Museum, by E. P. Ramsay. Part I, Echini. 1885. 2nd Edition, 1891. Svo. pp. viii-59, with 6 plates.
11. Descriptive Catalogue of the Medusæ of the Australian Seas. Part I, Scyphomedusæ. Part II, Hydromedusæ, by R. von Lendenfeld. 1887. Svo. pp. 32 and 49. (Withdrawn from sale.)
12. Descriptive Catalogue of the Nests and Eggs of the Australian Birds, by A. J. North. 1889. Svo. pp. iv. v-407, with 21 plates.
13. Descriptive Catalogue of the Sponges in the Australian Museum, by R. von Lendenfeld, 1888. Svo. pp. xiv-260, with 12 plates.
14. Catalogue of the Fishes in the Australian Museum. Part I, Palæichthyan Fishes, by J. Douglas Ogilby. 1888. Svo. pp. 34.

II.—MONOGRAPHS.

1. Australian Lepidoptera and their Transformations, by the late A. W. Scott, with Illustrations by his daughters, Mrs. Morgan and Mrs. Forde. Edited and revised by A. S. Olliff and Mrs. Forde. Vol. II, Parts 1 & 2.

III.—MEMOIRS.

1. History and Description of the Skeleton of a new Sperm Whale in the Australian Museum, by W. S. Wall. 1851. Svo. pp. 66, with plates. Reprint 1891.
2. Lord Howe Island, its Zoology, Geology, and Physical Characters. 1889. Svo. pp. viii-132 with 10 plates.

IV.—GUIDES.

1. Guide to the Australian Fossil Remains in the Australian Museum. 1870. Svo. (Out of print.)
2. Guide to the Contents of the Australian Museum. 1883. Svo. pp. iv-56. (Out of print.)
3. Guide to the Contents of the Australian Museum. 1890. Svo. pp. 156.

V.—MISCELLANEOUS PUBLICATIONS.

1. List of Old Documents and Relics in the Australian Museum. 1884. Reprinted with additions, 1890. Svo. pp. 4.
2. Descriptive List of Aboriginal Weapons, Implements, &c., from the Darling and Lachlan Rivers, by K. H. Bennett, F.L.S. 1887. Svo. pp. 8.
3. Notes for Collectors. 1887. Svo. pp. 43.
4. Hints for the Collectors of Geological and Mineralogical Specimens, by F. Ratte, pp. 26, with a plate.
5. Hints for the Preservation of Specimens of Natural History, by E. P. Ramsay, 1891. 4th Edition. pp. 32.

VI.—RECORDS.

Records of the Australian Museum, Vol. I., Nos. 1 to 5. Svo. pp. 105. 11 plates.

IN PREPARATION.

- Catalogue of the Library. Revised and corrected.
 Catalogue of Shells. Hargraves and General Collections, by J. Brazier.
 Catalogues of Lizards, Batrachia, Fishes, &c., by J. D. Ogilby.
 Catalogue of Australian Mammals, by J. D. Ogilby.
 Catalogue of Birds. Part III, *Psittaci*, &c. Part IV., *Muscicapidae*, by E. P. Ramsay.
 Catalogue of Tunicata, by Prof. Herdman, Liverpool, England.
 Australian Lepidoptera and their Transformations. Vol. II, Parts 3 and 4.
 History and Description of the Skeleton of a new Sperm Whale in the Australian Museum, by W. S. Wall. 1851. Reprint, 1891.
 Records, periodically.
 May be obtained from the Attendants at the Museum, or from Messrs. Angus and Robertson, Castlereagh-street, Sydney; Mr. W. Dymock, George-street, Sydney; Messrs. Turner and Henderson, Hunter-street, Sydney; Messrs. Stewart & Co., George-street, Sydney; Messrs. Melville, Mullen, and Slade, Melbourne; Messrs. Kegan, Paul, Trench, Trübner, & Co., Ludgate Hill, London.

[Exchanges of Serials, Works, Reports, and other publications are earnestly solicited on behalf of the Museum Library.]

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