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TWENTY-NINTH ANNUAL REPORT

OF THE

MUSEUMS AND LECTURE ROOMS SYNDICATE

(for 1894)

of the Museums and Lecture Rooms Syndicate for the year 1894. The Report is published by the Syndicate at the University Press, Cambridge. The Report is published by the Syndicate at the University Press, Cambridge. The Report is published by the Syndicate at the University Press, Cambridge.

	WHENCE OBTAINED	ADDED BY
<i>Stanhopea tigrina</i> .	Bot. Gard. Camb.	
<i>Thalassia</i> sp.	Ceylon.	F. W. Keeble, B.A.
<i>Yucca aloifolia</i> .	Bot. Gard. Camb.	

GYMNOSPERMS.

<i>Araucaria imbricata</i> .	Hitchin.	A. C. Seward, M.A.
<i>Cycas revoluta</i> .	Bot. Gard. Camb.	"
<i>Dioon edule</i> .		"
<i>Encephalartos</i> sp. fronds.	Kew.	"
<i>Pinus Pinea</i> .	Bot. Gard. Camb.	"
<i>Zamia</i> sp. fronds.	Kew.	"

VASCULAR CRYPTOGRAMS.

<i>Hymenophyllum tunbridgense</i> .	Wales.	W. Gardiner, M.A.
<i>Pteris quadriaurita</i> .	Ceylon.	F. W. Keeble, B.A.

BRYOPHYTES.

<i>Andreæa alpina</i> .	Grampians.	I. H. Burkill, M.A.
<i>Bartramia</i> (<i>Philonotis</i>) <i>fontana</i> .	"	"
" <i>pomiformis</i> .	"	"
<i>Mnium punctatum</i> .	"	"
<i>Polytrichum piliferum</i> .	"	"
<i>Splachnum sphaericum</i> .	"	"

FUNGI AND LICHENS.

<i>Boletus</i> .	Horncastle.	A. Shrubbs.
<i>Hypoxylon fusca</i> .	Abington.	"
<i>Merulius lacrymans</i> .		F. Jenkinson.
" "		Bursar, Trinity Hall.
<i>Parmelia</i> .	Foxton.	A. Shrubbs.
<i>Peziza</i> .	Cambridge.	"
<i>Physcia parietaria</i> .	"	"
<i>Polyporus vaporarius</i> .	"	Dr D. Sharp.
<i>Ramalina foliosa</i> .		Prof. Weiss.

MISCELLANEA.

Portrait of Sir Charles James Fox Bunbury, Bart.	Mme Pertz.
Paintings of plants for Museum by Mrs Seward.	A. C. Seward, M.A.
Photographs from	W. Gardiner, M.A.
Photographs of Ceylon Scenery.	F. W. Keeble, B.A.
Bog Oak and peat, Upware and Waterbeach.	Prof. Hughes.
Specimen of Elm.	Commons Committee of the Corporation.

II. ZOOLOGY.

I. MUSEUM OF ZOOLOGY.

A. REPORT OF THE SUPERINTENDENT.

THE Invertebrate Gallery has been greatly improved during the last year by the addition of blinds and ventilators. Both the specimens and the cases had previously felt the effect of an excess of light and heat during the summer months. I am glad to be able to report that the alterations which have been effected have done much to remedy these disadvantages. The new cases, the purchase of which was sanctioned by Grace 13 of Nov. 22, 1894, have not yet been supplied.

The Catalogue of Invertebrata has been continued during the year. The following groups have been completed: Echinodermata, the several groups of "worms," Polyzoa, Brachiopoda, Crustacea, Pycnogonida, Trilobita, Xiphosura and Eurypterida.

The collection of Lacertilia in the Museum Stores has also been arranged and catalogued.

I have to express my best thanks to all who have helped the Museum, whether by the presentation of specimens or books, or in other ways. I must specially mention the help given by Mr J. J. Lister in arranging some of the specimens in the Brady Collection of Foraminifera, and by Mr R. I. Pocock in the determination of specimens of Myriapoda and Arachnida. The best thanks of the Museum are due to the Secretary of State for India, who has presented a complete set of the 'Fauna of British India,' as far as published, and of the 'Scientific Results of the Second Yarkand Mission.'

Invertebrate Zoology.

A good many useful additions have been made to this part of the collection. Dr A. Alcock has added to his previous donations some valuable and interesting Deep-Sea Crustacea. These specimens are of special value, the Deep-Sea Fauna being at present very poorly represented in the Museum. A considerable number of additions have been made to the exhibited series of Invertebrates. These have been principally added during the preparation of the new Catalogue, the making of which has called attention to many cases where additions could profitably be made.

Vertebrate Zoology.

The past year has been one of unusual interest. The event of the year has certainly been the acquisition of a skeleton of an adult male White Rhinoceros (*Rhinoceros simus*). This animal, the largest of its genus, appears to be verging on extinction, and is of great rarity in collections. The only skeleton known to me in any other Museum is the specimen, mentioned below, now in the British Museum. The species is of great interest as being, as is supposed, more nearly allied than any other to the extinct Tichorhine Rhinoceros (*R. antiquitatis*).

The skeleton was offered to the Museum in December, 1893, for the sum of £150. An appeal for subscriptions was issued, and was so generously responded to that the sum raised amounted to no less than £161. 17s., thus allowing us to defray the whole expenses of articulating and mounting the specimen. I must take this opportunity of offering the heartiest thanks of the Museum to the donors, to each of whom a subscription-list has been sent.

The specimen was one of two males shot in Mashonaland, 1893, by Mr R. T. Coryndon. Its stuffed skin, with the horns, have been mounted for the Hon. Walter Rothschild's Museum at Tring. The other specimen was purchased by the British Museum. An account of the two specimens appeared in the 'Proc. Zool. Soc.,' 1894, p. 329. I have to thank Mr Rothschild, from whom the specimen was purchased, for having presented the horns of another male shot in S. Africa some twenty years ago, and also some models of two or three, of the smaller bones of the skeleton, which were missing.

A want which has long been felt in the Museum has been filled by the purchase of a fine skull of the Elephant Seal (*Morunga elephantina*), another animal of great rarity in collections. Mr J. W. Clark has very kindly contributed a sum of £5 towards the expense of this purchase; and I am further indebted to Professor T. Jeffery Parker, of the University of Otago, for the chance of obtaining the specimen.

Captain W. W. Cordeaux, formerly of St John's College, has presented a magnificent skull of *Oris poli* and several other valuable specimens. Messrs C. and E. Hose have sent a collection of great interest from the Baram District, N. E. Borneo. The collection included

a specimen, in spirit, of the interesting aquatic Viverrine, *Cynogale bennetti*, of the remarkable Insectivore, *Ptilocercus lowii*, and of a young Saw-fish, *Pristis pectinatus*. These are of special interest to the Museum, as are the skeletons of *Tupaia*, *Gymnura* and *Hylobates* contained in the same collection. The remainder of the collection consisted principally of skins of Mammals and Birds, which arrived in excellent condition. Lord Lilford's donations have been very numerous, and have provided us with much valuable material.

The following osteological specimens deserve special notice:—Skeletons (purchased) of a European Ibex (*Capra ibex*) and Beaver (*Castor fiber*); a skull of *Tapirus* (*Elasmognathus*) *bairdi*, from Nicaragua, presented by Professor Newton; and a fine skeleton of the Percoid fish *Lates niloticus*, presented by Surgeon Lt.-Col. Rogers.

A young female grampus (*Orca gladiator*), captured off Yarmouth, was received in November, 1894.

S. F. HARMER.

April 24th, 1895.

B. REPORT OF THE CURATOR IN ZOOLOGY.

THE Insecta and other Arthropods have not deteriorated during the year, with the exception of some of the specimens exposed in cases and on shelves in the gallery. The arrangement of a collection of British Macro-Lepidoptera has been completed; the deficiency in it, referred to in my last report, of the early stages is only too evident and is very much to be regretted.

The additions of Arthropods during the year have not been numerous. In my last report it was mentioned that a valuable collection of Termitidae had been presented by Mr G. D. Haviland. Since then a much larger and very important collection of these Insects and their constructions, formed at Sarawak, Singapore, and in S. Africa has been sent to the Museum by Mr Haviland. It contains material that requires much examination and description, and as it is desirable that it should be quite at the disposal of anyone able and willing to work it out, it has not been treated as acquired by the Museum.

D. SHARP.

April 23rd, 1895.

C. REPORT OF THE STRICKLAND CURATOR.

WITHIN the last year the whole collection of skins (amounting, without the Strickland Collection, to about 16,000 specimens) had to be re-arranged in order to make the most of the limited space available for the reception of additions.

My appeal for Bird-embryos in last year's report has induced Mr Walter Heape to present to the Museum an almost unique, unbroken series of embryos of the Indian Kite, *Milvus govinda*, representing several dozen stages, from the earliest to the nearly-hatched condition; four specimens representing as many stages of the development of the Indian Crow (*Corvus splendens*); and two most valuable embryos of Indian Vultures (? *Gyps bengalensis*). Herr Robert Olsen has presented the embryo of an Osprey (*Pandion haliaetus*), a specimen of particular value. Captain Cordeaux has, amongst other treasures, secured another specimen, this time in the flesh, of that most rare and interesting Central Asiatic Bird *Ibidorhynchus struthersi*. Lord Lilford has continued to enrich our collections with many rare birds which have passed through his Aviaries.

My lectures on Advanced Morphology of Vertebrata were attended as follows:

Michaelmas Term, 10; Lent Term, 9; Easter Term, 7.

H. GADOW.

CAMBRIDGE,

April 24th, 1895.