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Periyar உறுதி

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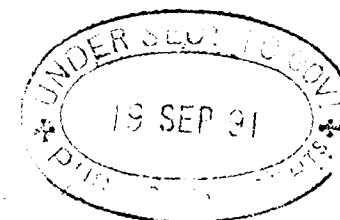
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27/9

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Rea, A., Esq., Archæological Survey— Collection of copper-coins, relics, beads, &c., from Guntapalle and Amaravati	1 } 2
Prākrit-grant of the Pallava king Sivaskandavannam	1 }
Sanderson, G. P., Esq.— Tail of elephant	...
Secretary to the Board of Revenue (Land Revenue)— Meteorite which fell at Kakangarai	1 } 3
Pieces of meteorite which fell at Kakangarai	2 }
Secretary to the Board of Revenue (Revenue Settlement, Land Records and Agri- culture)— Burner tops made from soap stone	2
Setu, C. Rau Garu, M.R.Ry., Tahsildar of Sirvel taluk, Kurnool district— A pair of slippers	...
Sharp, A. H., Esq., Devikulam, Madura district— Paradoxurus jerdoni (brown palm-civet)	...
Superintendent, Royal Botanical Garden, Calcutta— Herbarium Sheets of dried plants	103
Tate, A. C., Esq., Tindivanam— Paradoxurus musanga (common tree-cat)	1
Taylor, R. S. M., Mr., Poodoopet— Copper coins	3
Travancore, H. H. the first Prince of— Teak carving of a model of Ananthavahanum	...
Venkatarungum, A., Naidu Garu, M.R.Ry.— Larva of a moth	1

GOVERNMENT CENTRAL MUSEUM,
EGMORE,
Madras, 10th July 1891.

(Signed) EDGAR THURSTON,
Supdt., Govt. Central Museum.

B.

Visitors to the Government Central Museum during the year 1890-91.

1890-91.	SIGNATURES MADE IN											
	English.	Telugu.	Hindustani.	Tamil.	Mahratta.	Nagaree.	Guzeratee.	Canaree.	Chinese.	Singalee.	Malayalam.	Bengalee.
I	2	3	4	5	6	7	8	9	10	11	12	13
April	1,962	589	265	1,791	..	16	31	41	..	5	59	2
May	2,232	655	459	2,124	2	4	70	68	..	..	36	..
June	2,375	977	226	1,790	4	11	61	248	3	..	65	2
July	2,672	770	408	2,481	4	12	79	100	..	6	53	31
August	2,075	609	237	1,824	..	8	45	73	4	..	46	..
September	2,187	599	228	1,850	..	2	45	117	..	..	37	..
October	2,380	678	197	1,907	7	..	41	107	..	..	70	2
November	2,162	613	233	1,793	1	5	44	68	1	2	63	..
December	3,714	845	281	4,106	16	23	89	97	4	3	104	..
January	2,566	797	268	2,415	5	17	38	69	..	1	65	..
February	2,079	589	247	1,811	4	3	30	56	4	..	35	1
March	2,298	732	256	1,965	..	18	29	70	..	1	57	..
Total ..	28,702	8,453	3,304	25,857	43	119	602	1,114	16	18	690	38

1890-91.	Total of signatures.	Unable to sign, but tally kept.	Total of visitors.	NUMBER OF		Total of visitors.
	14	15	16	Men and boys.	Women and girls.	19
April	4,761	18,572	23,333	13,570	9,763	23,333
May	5,650	22,775	28,425	16,976	11,449	28,425
June	5,761	22,247	28,008	16,002	12,006	28,008
July	6,616	25,847	32,463	18,792	13,671	32,463
August	4,921	16,358	21,279	12,640	8,639	21,279
September	4,921	17,214	22,279	12,839	9,440	22,279
October	5,065	19,035	24,424	13,698	10,826	24,424
November	5,389	16,471	21,456	11,758	9,698	21,456
December	4,985	18,221	23,197	12,305	10,892	23,197
January	9,282	38,221	47,503	23,142	24,361	47,503
February	6,241	61,891	68,132	32,142	35,990	68,132
March	4,859	17,816	22,675	12,305	10,370	22,675
Total ..	68,956	295,586	364,542	197,156	167,386	364,542

C-1.

LIST OF BOOKS ADDED TO THE LIBRARY.
By Purchase (Standard Works).

- Agassiz, A.—Exploration of the Surface Fauna of the Gulf Stream, 1883.
Do. A.—North American Aculephæ, 1865.
Do. L.—Florida Reefs, 1880.
Anderson, J.—Fauna of Mergui and its Archipelago, 2 vols., 1889.
Anthropology.—Notes and Queries, British Association, 1874.
Baker, S. W.—Wild Beasts and their Ways—Reminiscences of Europe, Asia, Africa, and America, 2 vols., 1890.
Bastian, A., and Hartmann, R.—Zeitschrift für Ethnologie, 4th Band, 1872.
Birdwood, Sir G.—Report on the Old Records of the India Office, 1890.
Blanford, H. F.—Elementary Geography of India, Burma and Ceylon, 1890.
Bonavia, E.—The cultivated Oranges and Lemons of India and Ceylon, Text and Plates, 2 vols., 1890.
Buckler, W.—The Larvæ of the British Butterflies and Moths, 3rd vol., Ray Society, 1889.
Darwin, C.—Naturalist's Voyage round the World ed. 1890.
Day, F.—Supplement to the Fishes of India, Burma and Ceylon, 1888.
DeMarkoff, A.—Catalogue Des Monnaies Arsacides, Subarsacides, Sassanides, Dabwehides, 1889.
Fauna und Flora des Golfes Von Neapel, Part 17, 1890.
Ferguson, A. M., and J.—Gold, Gems and Pearls in Ceylon and Southern India, 1888.
Godwin—Austen H. H.—Land and Freshwater Mollusca of India. Text and Plates, 6 parts of each, 1882—88.
Haase, E. Indisch-Lesshace Australischen Myriopoden, No. 5, 1887.
Heller, C.—Fauna des rothen Meers, Beitrage zur Crustaceen. Erster Theil, 1860.
Jerdon, T. C.—Catalogue of the Species of Ants found in Southern India.
Klein, C.—Meteoriten sammlung der Berliner Universität, 1889.
Leidy (J.).—Elrchet Fresh-water Rhizopods of North America, 1879.
Lessing, J.—Ancient Oriental Carpet Patterns of the Fifteenth and Sixteenth Centuries, 1879.
Locard, A.—Les Huitres et les Mollusques comestibles, 1890.
Michael, A. D.—British Oribatidæ. Ray Society, 2nd vol., 1888.
Milne-Edwards, A.—Bulletin of the Museum of Comparative Zoology, Harvard College, Etudes preliminaires Sur les Crustaces, Vol. 8, No. 1, 1880.
Milne-Edwards, A.—Recherches sur la Faune Carcinologique de la Nouvelle Calédonie.
Mivart, G.—Dogs, Jackals, Wolves, and Foxes—Monograph of the Canidæ, 1890.
Moore, F.—Lepidoptera Indica, Vol. 1, Parts 1 to 6, 1890-91.
Munro, W. T.—Madrasiana, 3rd edition, 1889.
Munt Kabinet von S. Rijks te Utrecht.—Catalogus der gouden zilveren, koperen, en bronznen specien, 1813—87.
Musée Des Armes rares Anciennes et Orientales.
Munzkabinet Königliche Museum zu Berlin, 1890.
Niven, W. D.—Scientific Papers of James Clerk Maxwell, 2 vols., 1890.
Oldham, R. D.—Bibliography of Indian Geology, 1888.
Ramakrishna, T.—Life in an Indian Village, 1891.

<i>Xesta ceylanica</i> Pfr.	Pámban.
<i>Hemiplecta lixa</i> , Blanford.	Do.
<i>Helix bistrialis</i> , Beck.	Do.
Do. (<i>Eurystoma</i>) <i>vittata</i> , Müll.	Do.
Do. (<i>Trachia</i>) <i>fallaciosa</i> , Fér.	Do.
<i>Balimatus</i> (<i>Rhachis</i>) <i>punctatus</i> , Ant.	Do.
Do. (<i>Mastus</i>) <i>chion</i> , Pfr.	Do.
<i>Jovannetia globosa</i> , Quoy	Kilakarai.
<i>Siliqua radiata</i> , Linn.	Pámban.
<i>Corbula modesta</i> , Hinds.	Dutch bay, Muttuwartu par.
Do. <i>sulculosa</i> , H. Ad.	Tuticorin.
<i>Donax cuneata</i> , Linn.	Tranquebar.
Do. <i>scortum</i> , Linn.	Pámban and Tranquebar.
<i>Circe personata</i> , Deshay.	Muttuwartu par.
<i>Tapes adspersa</i> , Chemn.	Do.
<i>Cardium rubicundum</i> , Reeve	Dutch bay.
<i>Codakia</i> , sp.	Tuticorin, Kilakarai, Dutch bay, Muttuwartu par.
<i>Crassatella radiata</i> Reeve	Dutch bay, Cheval par.
<i>Cardita antiquata</i> , Dunker	Pámban.
<i>Modiola tulipa</i> , Lmk.	Silávaturai.
<i>Lithodomus stramineus</i> , Dunker	Pámban.
Do. <i>teres</i> , Philipp.	Do.
<i>Pectunculus taylori</i> , Angus	Pámban, Dutch bay.
<i>Leda mauritiana</i> , Sow.	Dutch bay, Karaitivu par.
<i>Tridacna</i> , sp.	Pámban.
<i>Avicula zelera</i> , ...	Muttuwartu par.
<i>Malleus vulgaris</i> , Lmk.	Pámban.
<i>Sunetta meroe</i> , Linn.	Tranquebar.

(f) *Tunicata*.—During my stay at Pámban, I met with a specimen of a social Ascidian, which was kept alive for some days in a tank, and eventually preserved and sent to Dr. W. A. Herdman by whom it has been described and recorded as a new species (*Ecteinascidia thurstoni*) in the Trans. Biol. Soc., Liverpool, December 1890.)

(g) *Fishes*.—The big shark (*Rhinodon typicus*), which was acquired for the Museum in 1889, was exhibited in the fish gallery, from the roof of which it was suspended by iron rods.

To Mr. A. Alcock, Surgeon-Naturalist to H. M. S. Investigator, the Museum is indebted for the following fishes (in alcohol) from the Bay of Bengal:—

Bathybial Fishes.

<i>Chaunax pictus</i> , Lowe	} 193 fathoms.
<i>Paradicrolene multifilis</i> , Alcock	

Hemi-bathybial Fishes.

<i>Parascombrops pellucidus</i> , Alcock	} Ganjam Coast 98—102 fathoms.
<i>Uranoscopus crassiceps</i> , Alcock	
<i>Gobius cometes</i> , Alcock	
<i>Trigla hemisticta</i> , Schlegel	
<i>Scopelus pterotus</i> , Alcock	
<i>Scianectes macrophthalmus</i> , Alcock	
<i>Cynoglossus carpenteri</i> , Alcock	

Shore Fishes.

<i>Champsodon vorax</i> , Günth.	Andamans.
<i>Brachypleura xanthosticta</i> , Alcock	Ganjam Coast.
<i>Rhomboidichthys azureus</i> , Alcock	Do.
<i>Lacops guentheri</i> , Alcock	Off. Vizagapatam.
<i>Arnoglossus macrolophus</i> , Alcock	Ganjam Coast.
<i>Solea oculus</i> , Alcock	Do.
<i>Cynoglossus melanopterus</i> , Bleeker	Do.
<i>Pseudorhombus malayanus</i> , Bleeker, ...	Off. Vizagapatam.

Numerous specimens of dried fishes were sent to the Museum for identification by the Salt Department.

¹ Very commonly caught in the fishing nets at Madras.

The preservation of fishes by the glycerine process has been already referred to.

(h) *Batrachia*, *Lacertilia*, and *Ophidia*.—The spirit collection of lizards was examined, and arranged in wall cases in an annexe between the skeleton and bird galleries.

The following species of frogs, lizards, and snakes (all, except *Calluta triangularis*, from the Nilgiris) were returned to the Museum by Dr. C. Boettger, of Frankfurt, out of a collection which was sent to him for examination:—

Batrachia.

Rhacophorus pleurostictus, Gthr.
Ixalus signatus, Bigr.
Rana temporalis, Gthr.
 Do. *verrucosa*, Gthr. (a rare species previously recorded from Malabar).
Calluta triangularis, Gthr.

Lacertilia.

Draco dussumieri, Dum and Bibr.
Calotes versicolor, Dand.
Charasia dorsalis (Gray).
 Do. *blanfordiana* (Stol.) (previously recorded from the Godáviri valley, Jeypore and Nagpur).

Salea horsfieldi, (Gray).
Mabuia carinata, (Schn.).
Lygosoma bilineatum, (Gray).
Gonatodes indicus, (Gray).

Ophidia.

Tropidonotus plumbicolor, Cant.
Trimeresurus strigatus, Gray.
 Do. *anamallensis*, Gthr. (not previously recorded from these hills).
Xylophis perroteti, (Dum and Bibr.)
Oligodon venustus, (Jerd.).
 Do. *subgriseus*, (Dum and Bibr.)
Lycodon travancoricus, (Beid.).
Dryophis perroteti, (Dum and Bibr.)
Silybura brevis, Gthr.
Plectrurus perroteti, (Dum and Bibr.)
Coluber helena, Daud.
Typhlops braminus, Daud.
 Do. *thurstoni*, Bittgr. (a new species, "larger than *T. braminus* with a relatively long tail (twice as long as broad), and next to *T. theobaldianus*, Stol., but well distinguishable," Boettger).

(i) *Mammals and Birds*.—Considerable progress was made with the re-casing of the gallery devoted to mammals and birds, and with the making of new stands for the specimens. I hope that the reorganisation of this section, which is much needed, will be on a fair way to completion before the end of the ensuing year.

In December 1890, a whalebone whale, whose length was estimated to be 60 feet, was washed on shore, in an advanced state of decomposition, near the part of Hangarkatta on the West Coast. The skull and lower jaws (which measure 13 feet 3 inches in length) were, at my request, preserved and forwarded to the Museum. Specimens of the Ceylon langur, slender lemur, large fox-bat, leopard and large civet-cat, and the common tree-cat were stuffed. Skeletons of the slender lemur, common Indian otter, and common jungle-cat were prepared.

A collection of rats and mice from the city of Madras and Ootacamund was sent to Mr. W. L. Slater, of the Indian Museum, by whom they were examined and returned. The Madras specimens, among which there were eight species, included what is, apparently, the English black rat, and the rare *Crocidura bidiana* (Bidie's shrew), which is recorded by Blanford (*Fauna of British India*) from Madras and Bombay. The Ootacamund specimens comprised only two species, viz., the South Indian variety of the common mole-rat (*Nesokia bengalensis*) and the common tree-rat of India (*Mus rattus rufescens*).

4. PUBLICATIONS.—During the year a descriptive "Guide to the Natural History and Mineral Galleries," and "Catalogue of Minerals, Ores and Rocks, with a note on Meteorites, of which the fall in Southern India has been recorded," were issued. I was engaged in the preparation of a catalogue of the coins of Southern India in the Museum collection, the completion of which will, however, take a long time. Notes were also made with a view to the issue of a second edition of my "Notes on Pearl and Chank Fisheries, etc."

5. TOURS.—Two official tours were made by me in company with my taxidermists. During the first of these I, as in several previous years, stayed on Ramesvaram Island, where I was mainly engaged in the collection and preservation of marine worms and molluscan shells, which have since been sent to England and Germany to be worked up. Many specimens of the brightly coloured "coral-fishes," which abound over the fringing coral-reefs, were also preserved by the glycerine process introduced by Mr. A. Haly, of the Colombo Museum, for the preservation of colours. The advantage, in this respect, of preservation in glycerine instead of alcohol, is well shown by specimens exhibited in the fish gallery. My stay on Ramesvaram Island completed, I paid a short visit to Tuticorin, so as to work out some doubtful points in connection with the anatomy of the pearl-oyster. Later in the year I made a second tour, through Mysore and Coorg, during which large collections were made illustrative of the arts, industries, manufactures, and natural history of the places visited in the Bangalore, Hassan, Shimoga and Mysore districts. These collections include Sravanbelgola brass-ware, Sorab and Sagar sandal-wood carving, Channapatna silk and toys, Mysore inlaid ware, gold jewelry from Belur, butterflies, lizards, snakes, etc. A report on this tour will be published after a further visit to the Mysore Province, a large area of which remains to be explored.

6. ART GALLERY.—The most important addition to the Art section was a handsome brass-lamp with branches, which was purchased for Rs. 250. Either this lamp or one resembling it is figured in plate 24 of Hawkes' "Photographs of Madras art-ware." A case was exhibited illustrating the ethnology of the Kádirs of the Anamalais by means of specimens of brass and bead jewelry, bangles, cooking and domestic utensils, musical instruments, tops, bows and arrows, yam-digger, fishing rod and line, and model of hut. Specimens of Sivaganga and Kumbakonam brass and copper-ware were exhibited in a small wall case supported on a lacquered bracket made at the local school of arts. Specimens of brass-ware and inlaid Mysore ware were added to the existing collections.

A model carved in teak-wood of an Ananta vahanum (vehicle used in Hindu temples) was presented by His Highness the first Prince of Travancore, and exhibited. The gallery was hung throughout with palempores returned from the Iudo-Colonial exhibition.

7. ECONOMIC PRODUCTS.—Arrangements were made for the reservation for the Museum of duplicate collections of the economic products of Southern India to be made for the Imperial Institute. Information was afforded to the Government Laboratory, Somerset House, as to the growth and manufacture of Nankin cotton in the Madras Presidency, and samples from the Rajahmundry jail were forwarded.

8. ETHNOLOGY AND ANTIQUITIES.—A collection of pottery found in ancient graves in the Polláchi taluk of the Coimbatore district was forwarded to the Museum by Mr. Harding, Head Assistant Collector of Coimbatore, with a copy of his report thereon, for publication in the "Madras Journal of Literature and Science." Some relics found in ancient graves at Sultan's Battery in South Wynaad were presented by Mr. R. Milne. Two cannons found near Pondicherry on the site of one of Dupleix's Battles, on which a tomb has been erected in memory of a British officer who was killed, were acquired by purchase.

A number of sculptured marbles from Amaravati were, at the suggestion of Lord Connemara, sent to the Museum from the Kistna district, and will eventually be set up as companions to the Amaravati marbles which are already arranged.

The following copper-grants were deposited in the Museum:—

(a) A fragment of a Pallava copper-plate grant, which was found lying in a tobacco field in the village of Darsi in the Nellore district.

(b) Three copper-plates, presented to the Archæological Department by the Dharmakarta of Sriperumbudur, consisting of a genealogical account of the Tuluva dynasty of Vijayanagar, a grant of land, and imprecatory verses. The plates are dated Saka, 1460.

(c) A prakrit-grant of the Pallava King, Sivaskandavarman.¹

A small collection of relics from Guntapalle and Amaravati was presented by Mr. A. Rea, of the Archæological Survey.

9. HERBARIUM.—The herbarium-keeper arranged the specimens of natural orders *Scitamineæ* to *Eriocaulææ* according to Bentham and Hooker's "Genera Plantarum" (volume III). A number of gaps in the South Indian collection were filled up by plants collected in the Madras Agri-Horticultural Society's Gardens.

The specimens illustrative of the natural orders *Urticaceæ* and *Gramineæ* were arranged by Mr. M. A. Lawson, Government Botanist, and returned.

To Dr. G. King, Superintendent of the Botanical Gardens, Calcutta, the Museum is indebted for a donation of 171 dried specimens from Assam, Pegu, the Malay Archipelago, Andaman Islands, and other places.

The herbarium specimens of rices and cotton were sent for examination to Dr. G. Watt, and returned.

10. INDEX COLLECTIONS.—The following additions to the index collections referred to in my last annual report (paragraph 11) were arranged, and exhibited:—

(1) The Molluscan shell illustrated by different types of gastropod, cephalopod, pteropod and lamellibranch shells, sections of shells, drawings, and cameos.

(2) Crocodilia and Chelonia illustrated by stuffed crocodiles, turtles and tortoises, labelled skeletons and bones, skin, eggs, and tortoise-shell comb.

(3) Birds illustrated by labelled skeletons (articulated and disarticulated), types of skull, breast-bones, feet, heads and tail-feathers, neck-feathers and wing-coverts of jungle fowl, wing-feathers of argus pheasant, and down and contour feathers of swan.

(4) Mammalian dentition illustrated by skulls, teeth and sections of teeth of various piscivorous, carnivorous, insectivorous, omnivorous and herbivorous animals.

Each series was illustrated by a full printed description mounted in a frame over the corresponding table-case. My expressed hope that these series would be of use, both to those who are engaged in teaching and to students, has been fully realised.

11. MINERAL GALLERY.—The collection of rocks was labelled throughout, the best specimens being indicated by a red cross on the label. This gallery now contains a fairly representative collection of the rocks and minerals of Southern India arranged according to official districts and provinces, and is in a condition to be useful for class purposes.

Cases were arranged containing—

(1) A collection of fossil corals, mollusca, etc., from the upraised reef at Pámban.

(2) A series of fossils (cephalopods, gastropods, etc.) from the Trichinopoly district and Pondicherry. A good collection of fossils from the cretaceous system of the Trichinopoly district is a great desideratum.

The following specimens were added to existing collections:—

Brecciated Hæmatite jasper boulder, Dharwar system, Narihalla.

Conglomerate with crushed pebbles, Dharwar system, Joga valley.

Contorted and eroded riband jasper, Dharwar system, Narihalla.

Auriferous quartz with pyrites, Wynaad.

Polished and unpolished pebbles made from clear and smoky quartz, Vallam.

For the specimens from Narihalla and the Joga valley the Museum is indebted to Mr. R. Bruce Foote; and it is, also, indebted to Mr. Hamilton, of the Madras Engineering College, for a collection of rocks made during a tour, which awaits arrangement.

One large meteorite and two fragments were received through the Board of Revenue. Concerning the conditions under which these stones fell, the Tahsildar of Tirupatúr in the Salem district reported as follows:—"On the 4th of June 1890, at

¹ Epigraphia Indica, Part I, October 1888.

about 8 A.M., there was a sudden clap of thunder accompanied by an unusual rumbling noise. At this time two stones are said to have fallen in the village of Kakangarai. The fall of both the stones occurred at the same time in adjacent fields, and was witnessed by rayats, who were ploughing close by at the time. One stone appears to have been broken up and divided among the rayats, while the other was taken charge of by the village munsif. The large specimen weighs $11\frac{1}{4}$ ounces, and the fragments weigh about 1 ounce and $\frac{1}{2}$ ounce respectively.

12. NATURAL HISTORY—(a) *Sponges*.—Specimens of the following species from the Gulf of Manaar were exhibited:—

Petrosia testudinaria, juv. Lamk.	...	...	...	Tuticorin.
Axinella tubulata, Bowerbank, sp.	...	...	...	Pámban.
Do. labyrinthica, Dendy.	...	...	...	Do.
Auleta aurantiaca, Dendy.	...	...	...	Do.
Phakellia ridleyi, Dendy.	...	...	...	Tuticorin.
Reniera madrepora, Dendy.	...	...	...	Chévalpar.
Spongionella holdsworthi, Carter	...	...	...	

Several specimens of the tetractinellid sponge *Tetilla hirsuta*, Dendy., were obtained during my stay at Pámban, and preserved in alcohol. The collection of dried sponges was varnished with canada-balsam varnish throughout, to ensure their preservation. I also found it necessary to varnish the recently made collection of dried Crustacea, to protect the specimens against the attacks of ants.

(b) *Echinoderms*.—

Antedon palmata, Müll.	...	...	...	Pámban.
Asterodiscus elegans, Gray	...	...	...	Tuticorin.
Echinaster purpureus (Gray) Bell	...	...	...	Do.
Pentaceros lincki, de Bl.	...	...	...	Do.
Do. thurstoni, Bell	...	...	...	Pámban.
* Scytaster novæ caledoniæ, Perr.	...	...	...	Tuticorin.
Ophionereis dubia, Lym.	...	...	...	Do.
Ophiothrix aspidota, M. Tr.	...	...	...	Do.
* Astrophytum (clavatum, Lym. ?)	...	...	...	Do.
Pseudoboletia maculata, Tr.	...	...	...	Do.
Phyllacanthus baculosa, A. Ag.	...	...	...	Pámban.
Clypeaster humilis, Leske.	...	...	...	Tuticorin.
Metalia sternalis, Lmk.	...	...	...	Pámban.
* Lovenia elongata, Gray	...	...	...	Do.
* Sabmacis bicolor, Ag.	...	...	...	Tuticorin.
Toxopneustes pileolus Ag.	...	...	...	
Stomopneustes variolaris, Lmk. (with excentric apical area)	...	...	...	Pámban.
Holothuria marmorata, Jäger (cooked and dried ready for shipment to China)	...	...	...	Do.

(c) *Hirudinea*.—While engaged in the examination of some pearl-oysters in a bucket of sea-water at Tuticorin, I found a small marine leech (*Pontobdella*, sp.) adhering by its sucker to one of my fingers. The specimen was preserved in alcohol.

(d) *Insects*.—The collection of butterflies, made in Mysore towards the end of the year, awaits examination. The following species, collected within the city of Madras, were added to the existing local collection:—

Curetis phædrus, Fabr.	Snastus gremius, Fabr.
Tarucus plinius, Fabr.	Chapra mathias, Fabr.
Castalius rosimon, Fabr.	Telicota bambusa, Moore.
Catochrysops pandava, Horaf.	Ampittia maro Fabr.
Rathinda amor, Fabr.	Taractrocera mævius, Fabr.
Virachola isocrates, Fabr.	Gomalia albo-fasciata, Moore.
Parnara guttata, Brem. and Gray.	Hesperia galba, Fabr.

NOTE.—The species marked with an [*] asterisk have also been recorded from Ceylon (see "Döderlein in Spengel's Zoolog, Jahrbuch, 1888").

C-7.

Blue Books.

Correspondence relating to the Behring Sea Seal Fisheries, 1886—90, United States No. 2, (1890).
 East India (Accounts and Estimates), 1890-91.
 East India (Age of Candidates for Civil Service), 1890.
 East India (Benares Temples), 1890.
 East India (Board of Revenue, Bengal), 1890.
 East India (Cantonment Act), 1890.
 East India (Civil Servants) Proceedings of the Select Committee, 1890.
 East India (Civil Servants) Minutes of Evidence taken before the Select Committee, 1890.
 East India (Correspondence relating to the Report of the Indian Public Service Commission), 1890.
 East India (Councils), 1890.
 East India (Crawford Case), 1890.
 East India (Estimate of Revenue and Expenditure of the Government of India), 1889-90.
 East India (Home Accounts of the Government of India), 1890.
 East India (Legislative Councils), 1890.
 East India (Loans raised in India), 1890.
 East India (Loans raised in England), 1890.
 East India (Papers relating to Kashmir).
 East India (Public Works Department), 1890.
 East India (Return to the Financial Statement), 1890-91.
 East India (Statement of the Moral and Material Progress and Condition of India), 1888-89.
 Eighth Annual Report of the Fishery Board for Scotland, Parts 1 to 3, 1889.
 Foreign Countries (Gold and Silver marking), 1890.
 Further Correspondence respecting the International Labour Conference in Berlin, Commercial No. 16, 1890.
 Report of the Committee of the Crown Rights in Salmon Fisheries in Scotland with Evidence and Appendices, 1890.
 Report of the Inspectors of Irish Fisheries on the Mackerel Fishing in Ireland during the Spring of 1890.
 Report of the Inspectors of Irish Fisheries on the Sea and Inland Fisheries of Ireland, 1889.
 Report on Sanitary Measures in India, 1888-89.
 Royal Commission on Mining Royalties, with Minutes of Evidence and Appendices, 1889.
 Return relating to Fishings, &c. (Scotland), 1890.
 Return relating to Gold and Silver Plates, 1890.
 Return India (Army System), 1890.
 Sea Fisheries Act (Ireland 1883), 1890.
 Sea Fisheries of the United Kingdom, 1890.
 Sea Fisheries (England and Wales)—Fourth Annual Report of the Inspector, 1889.
 Sea Fisheries (Regulation Act), 1888.
 Statement of the Trade of British India with British Possessions, Foreign Countries for the five years, 1884-85—1888-89.
 Twenty-ninth Annual Reports of the Inspectors of Salmon and Fresh-water Fisheries (England and Wales), 1889.

C-8.

Record Publications from the Master of the Rolls.

Calendar of Letters, Despatches and State Papers, Spanish, Henry VIII, Vol. V, Part II, 1536—38, Pascual DeGayangas.
 Calendar of State Papers, Colonial Series, America and West Indies, 1669—74, W. N. Sainsbury.
 Calendar of the Committee for compounding, &c., Domestic, 1643—60, Part I, M. A. E. Green.
 Calendar of Treasury Papers, 1720—23, J. Redington, Esq.
 Chronica Adæ Murimuth et Robertus De Avesbury, E. M. Thompson.
 Chronica Rogeri, Vol. III, R. DeWendover.
 Chronicon Henrici Knighton, Vol. I, J. R. Lumby.
 Gaimar Lestoric Des Engles, Vol. II, Sir Thomas Duffus Hary and C. T. Martin.
 Literæ Cantuarienses, Vol. III, J. B. Sheppard.
 Willelmi Malmesbirienses Monachi De Gestis Regum Anglorum, Vol. II, W. Stubbs.
 Year Books of King Edward III, years 14 and 15, L. O. Pike.

D.

CLASSIFIED List of Expenditure of the Government Central Museum during the year 1890-91.

No. 1890-91.	Actuals, 1890-91. RS.	Revised estimate, 1890-91. RS.
1 Superintendent, Rs. 500—50—800	8,600	8,600
5 between Rs. 50 and 200—		
* One curator at Rs. 150 per mensem		
* „ Assistant curator and first assistant at Rs. 54—60 per mensem	3,987	3,936
„ head taxidermist at Rs. 60 per mensem		
„ herbarium-keeper at Rs. 50 per mensem		
„ draughtsman at Rs. 50 per mensem		
4 below Rs. 50—		
* One second assistant at Rs. 35 per mensem	1,269	1,281
„ writer at Rs. 30 per mensem		
„ second taxidermist at Rs. 26 per mensem		
„ librarian at Rs. 25 per mensem		
„ third taxidermist at Rs. 17 per mensem		
4 servants—		
One printer at Rs. 14-8-0 per mensem	612	612
„ head humal at Rs. 12-8-0 per mensem		
„ peon in charge of Superintendent's room at Rs. 12 per mensem		
„ Assistant librarian at Rs. 12 per mensem		
Total, Establishment ...	5,868	5,829
Travelling allowance ...	402	1,000
<i>Supplies and Services.</i>		
Cost of specimens	5,820	1,000
Preparation of fittings, furniture, &c.	2,946	3,000
Total, Supplies and services ..	8,766	4,000
Cost of books and publications	1,497	1,800
<i>Contingencies.</i>		
Purchase and repair of furniture	200	200
Binding books and lithographing plates	772	800
Rents, rates and taxes	1,080	1,080
Postal charges, telegram charges, office expenses and miscellaneous	62	4,264
Total, Contingencies ...	2,114	6,344
Grand Total ...	27,247	27,573

GOVERNMENT CENTRAL MUSEUM,
EGMORE,
Madras, 10th July 1891.

(Signed) EDGAR THURSTON,
Supdt., Govt. Central Museum.

* Reorganization from the 12th December 1890.

ORDER—dated 2nd September 1891, No. 815, Revenue.

Miscellaneous.

The Superintendent's annual report for 1890-91 on the working of the Government Central Museum contains matter of much interest and shows that satisfactory progress was made in all branches

of the institution. Since the close of the year Mr. Thurston has been temporarily transferred to Calcutta to officiate for Dr. Watt as Reporter on Economic Products, and the museum is now in charge of Dr. Warth of the Geological Department, who was deputed to the Madras Presidency for this purpose by the Government of India.

2. As compared with the previous year, there was a slight decrease in the total number of visitors to the museum and a marked falling off in the number of gosha visitors, while the number of people who resorted to the Library was 6,235 as against 6,684 in 1889-90. It is presumed that these decreases cannot be ascribed to any special cause, and it is observed that the total number of visitors registered was higher than in any of the previous four years with the exception of 1889-90.

3. The expenditure during the year amounted to Rs. 27,247, or to Rs. 368 more than that incurred in the previous year, and to Rs. 353 less than the revised estimate. This increase was principally due to increased charges under the heads "Superintendent's pay" and "Cost of specimens," which together amounted to Rs. 14,420, or to Rs. 5,420 more than in the previous year, while the expenditure under the other heads fell from Rs. 17,879 to Rs. 12,827.

4. In conclusion, His Excellency the Governor in Council desires to express his appreciation of Mr. Thurston's administration of the museum during the year under review, and to tender his thanks to the various gentlemen by whom contributions were kindly sent.

(True Extract.)

C. A. Galton
Secretary to Government.

To the Superintendent, Government Central Museum.
„ the Public Department.
„ E. Thurston, Esq.
„ the Commissioners of Land Revenue.
„ the Commissioner of Revenue Settlement, Land Records and Agriculture.
„ the Accountant-General.
„ the Surgeon-General with the Government of Madras.

No. 815A.

Copy to the Government of India, Revenue and Agricultural Department.

(Signed) C. A. GALTON,
Secretary to Government.

Exd. S. J. Pereira.

200 Copies.

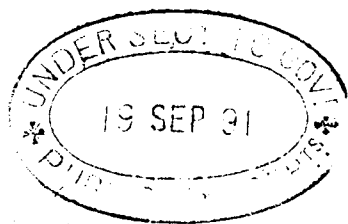
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Govt. of (1891) Madras.
REVENUE.

Issued

Recd.



Encl.

G.O., 2nd September 1891,
Nos. 815, 815A.

SEPTEMBER.

Government Central Museum.

Reviewing the administration report of the —,
Madras, for the year 1890-91.

Order dated 25th September 1891 No.

Recorded.

23 Sep.

Note

The attention of the C.S. is
invited to page 8. It is sup-
posed that the Supt: com-
municates the thanks
of Govt: to contributors.

F.O.B.

22/9.

Yes - I think I cannot forward
thanks. I am pretty sure that
I did. 2.

21/9

21/9