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Government of Madras

HOME DEPARTMENT (EDUCATION)

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G.O. No. 940, 30th July 1919 1-12

Government Museum

Recording, with remarks, the report on the working of the —, the Marine Aquarium and the
Chennamara Public Library for the year 1918-19. 12

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Government of Madras

HOME DEPARTMENT (EDUCATION)

G.O. No. 940, 30th July 1919

Government Museum

Recording, with remarks, the report on the working of the —, the Marine Aquarium and the Connemara Public Library for the year 1918-19.

READ—the following paper :—

Letter—from H. DODWELL, Esq., M.A., Acting Superintendent, Government Museum.

To—the Secretary to Government, Home (Education) Department.

Dated—the 7th July 1919.

No.—418.

I have the honour to forward for submission to His Excellency the Governor in Council, the report on the working of the Government Museum, the Marine Aquarium, and the Connemara Public Library during the year 1918-19 and to request that I may be supplied with 135 copies for distribution to other Museums, etc. The report is based on notes left by Dr. Henderson.

ENCLOSURE

Administration Report of the Madras Government Museum, the Marine Aquarium and the Connemara Public Library for 1918-19.

Government in G.O. No. 926, Home (Education) Department, dated the 11th July 1918, sanctioned the further retention of Dr. J. R. Henderson, C.I.E., until the 31st March 1919 and in G.O. No. 1362, dated the 22nd October 1918, permitted him to retire from the public service with effect from the 1st April 1919. On further representation, however, Government in G.O. No. 415, dated the 3rd April 1919, permitted him to continue in service for a further short period till he secured a passage home. He retired from service with effect from the 25th April 1919, handing over charge to the Personal Assistant. In their order No. 532, dated the 29th April 1919, Government appointed me to act as Superintendent, and I assumed charge on the afternoon of the 1st May 1919.

Dr. Henderson availed himself of privilege leave for one month and thirteen days from the 17th August to 29th September 1918. During this period, the late Personal Assistant and Sub-Librarian, M.R.Ry. P. Etirajulu Nayudu, was placed in charge of the current duties of the Superintendent.

Dr. Henderson's services were placed at the disposal of the Government of Burma for a fortnight, in December 1918, for the purpose of assisting the Burma University Committee in framing a scheme of courses of study in Biology for the proposed University of that province—vide G.O. No. 1531, Home (Education) Department, dated the 2nd December 1918. He was accordingly absent from the 3rd to 25th December 1918. During this period, M.R.Ry. M. D. Raghavan, the present Personal Assistant and Sub-Librarian, was placed in charge of the office of the Superintendent.

2. VISITORS.—The number of visitors to the Museum during the year under review, as compared with the preceding year, was as follows :—

	1917-18.	1918-19.
Total number of visitors to the old building	318,289	270,748
Total number of visitors to the new building	308,601	241,542
Largest number of visitors on a single day to the old building.	37,102	43,758
Largest number of visitors on a single day to the new building.	48,976	48,576
Total number of visitors on Sunlays to the old building.	53,262	47,697
Total number of visitors on Sundays to the new building.	49,837	39,885
Total number of gosha female visitors (on the first Saturday in each month).	11,734	8,126

பாதுகாப்பு பிறவு

செப்பனிகுவர் பெயர்: *Dr. Henderson*செப்பனிகுவதற்காக எடுத்துக்— *சுசம்பர் 09*
கொள்ளப்பட்ட நாள். *சுசம்பர் 09*

25.7.1919
சுப்பார்க்கும்
முதல் முற்பாள
கையொப்பம்

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சுப்பார்க்கும்
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கையொப்பம்

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சுப்பார்க்கும்
உதவியாளர்
கையொப்பம்

As usual Kanna Pongal (16th January) was the day on which the Museum was attended by the largest number of visitors.

Excluding the special festival days of Dvadasi and Kanna Pongal, the number of visitors (average of the two buildings) in the year under review was 232,747 against 247,515 in the preceding year, and 291,493, the average of the five years ending with the preceding year. As stated in the last report, the majority of visitors are mofussil people, and the fall in the number of visitors seems mainly due to a decrease in the influx of such visitors to Madras by reason of the influenza scare. Another cause of decrease in the number of visitors is to be found in the fact that in the year under review, Dvadasi day (13th January 1919), one of the two days on which visitors flock to the Museum in large numbers, coincided with Bhogi Pandigal, the day before Pongal,—a day which is usually devoted to preparations for the due celebration of the succeeding Pongal days.

The Museum, the Connera Public Library and the Marine Aquarium were closed on Monday the 25th November 1918 in memory of the late Hon'ble Mr. H. F. W. Gillman, C.S.I., I.C.S., Member of the Executive Council of the Government of Madras.

3. BUILDINGS.—The extensions to the south wing of the new building were completed and the rooms handed over by the Public Works Department at the end of September 1918. The re-arrangement of the ethnological exhibits and of the collection of arms was taken in hand and completed in a short time.

The extension to the south side of the old building for providing additional accommodation in the Natural History (Zoological) section was sanctioned in G.O. No. 1043 W., dated the 4th September 1918, communicated with Home (Education) Department Endorsement No. 1918 B-1, dated the 17th idem. It is hoped that the Public Works Department will take early steps for the execution of the work.

At the instance of the Director of Public Instruction, the Lecture Theatre behind the Oriental Manuscripts Library was refloored and the benches and the platform were removed, so as to provide additional accommodation for the Library.

An estimate for providing a flag and a flagstaff at the Government Museum was sanctioned in G.O. No. 32 W., dated the 13th March 1919, communicated with Home (Education) Department Endorsement No. 566/B-1, dated the 19th March 1919.

The re-flooring of the stuffing room block in the Museum, where three of the assistants have their offices, was sanctioned in G.O. No. 295 W., dated the 7th March 1919.

The Museum Theatre was used on seventeen occasions, six of these being performances of the Madras Amateur Dramatic Society, and four being concerts of the Madras Musical Association.

On the 6th January 1919, a theft occurred of a small idol exhibited on the upper floor of the new building. The matter was immediately reported to the police, who succeeded in tracing it to a house in Chintadripet. The case came up for hearing on the 24th January before the Second Presidency Magistrate, Egmore, who sentenced the boy (about ten years old) who stole the idol to six cuts and his father who received it, to a fine of Rs. 25 or in default to one month's simple imprisonment.

4. ESTABLISHMENT.—M.R.Ry. P. Etirajulu Nayudu, Personal Assistant and Sub-Librarian, died on the 26th September 1918. Concerning his work in the Museum, Dr. Henderson has recorded the following remarks:—"He rendered valuable assistance in the work of the Museum for a period of ten years. By his death Government have lost the services of an able and conscientious officer." At the time of his death he was in charge of the current duties of the Superintendent, then absent on privilege leave. As the Superintendent rejoined on the 30th September 1918, no arrangement was made for carrying on the Superintendent's duties during the three days, 27th, 28th and 29th September, which were all holidays.

The post of the Personal Assistant and Sub-Librarian having fallen vacant, M.R.Ry. M. D. Raghavan, clerk, Home Secretariat, was appointed from the 19th November.

The Zoological Assistant, M.R.Ry. H. Chennappayya, was given special leave for a month from the 25th September for anti-rabic treatment at the Pasteur Institute, Coonoor.

The entire staff worked well during the year.

5. MUSEUM DEMONSTRATIONS.—The demonstrations to pupils of the higher classes of high schools in Madras city continued from December to March. Three batches of pupils were conducted by the three Museum assistants over special sections of the Museum on Monday and Tuesday afternoons. The total number of pupils who attended the demonstrations was 1,590.

As in previous years Dr. Henderson gave a series of demonstrations to teachers in Madras schools on Saturday forenoons from January to March. Ten demonstrations were held at which 167 teachers were present.

Special demonstrations were also given by Dr. Henderson to the students of the Presidency Training School for Mistresses, Egmore, and to the students accompanied by Professor Gilbert Slater, the University Professor of Indian Economics.

On the 25th January 1919 Dr. Henderson delivered a popular lecture, illustrated with lantern slides, on some of the Natural History exhibits in the Museum. The lecture was well attended.

The Curator of the Hyderabad Museum was deputed by H.E.H. the Nizam's Government in March last to train himself in the methods of the working of this Museum. He was afforded every facility for study.

6. ARCHAEOLOGY AND ART.—A catalogue of the copper-plate grants in the Museum was published during the year.

The extension to the new building was completed in September last and the important collection of arms that lay scattered in different places was classified and arranged in specially prepared cases in the two adjoining rooms on the ground floor. The rooms were opened to the public in October last. Almost all the arms have been identified and labelled.

Among the additions to the collection of arms are two old swords and a battle-axe presented by Śrīmān Mahārāja Rāja Śrī Rāja Sugutur Immidi Pedda Chikkarāyal Yaśovanta Varu of Pungunūru, Chittoor district; the former are said to have been presented to the donor's ancestors by one of the Nizams of Hyderabad.

The brass-ware collection has been augmented by several purchases during the year; mention may be made of one adukkudipam, purchased at Palni.

The collection of the South Indian Wood-carvings was augmented by several additions. Mention may be made of four fine old carvings from Ānandavalli temple, Quilon, Travancore, representing scenes in the life of Śrī Rāma.

Among the noteworthy additions to this section are the following:—

(1) A marble stone image of Kubēra unearthed from the embankment on the north-east side of the Amarāvati Stupa in the Guntūr district, and forwarded by the Superintendent, Archaeological Survey, Southern Circle.

(2) A stone image of Dharmarāja found at Conjeevaram, Chingleput district, and acquired under the Treasure Trove Act.

(3) A stone image of Kālī found at Tiruvakkarai, South Arcot district, and acquired under the Treasure Trove Act.

(4) Copper images of Krishna and of Kālīya Krishna found at Neelapādi, Tanjore district, and acquired under the Treasure Trove Act.

(5) Copper images of Natēśa, Śivakāmi, Chandrasēkhara, Pārvati, Pradōshamūrti and Chandikēśvara, found at Okkūr, Tanjore district, and acquired under the Treasure Trove Act.

(6) Copper images of Chandrasēkhara and Mānikkavāsagar found at Kilapūdanūr, Tanjore district, and acquired under the Treasure Trove Act. They are of considerable artistic merit and form very valuable acquisitions to the Museum. The former has not up till now been represented and the latter is quite different from the only figure of this saint till now exhibited in the Museum collection.

(7) A grant composed of three copper plates strung on a ring, with a seal bearing in relief the Chālukyan boar, presented by Mudalappa, a ryot of Timmalapuram, Bellary district. The plates record that the Western Chālukyan King Vinayāditya Satyāśraya Narēndradēva restored certain grants resumed by previous kings. The grant purports to have been executed on the 15th December 590 A.D. The Government Epigraphist is however of opinion that the plates are spurious.

(8) A grant composed of five copper-plates strung on a ring with a seal bearing an indistinct device and legend, purchased from a resident of Nellore. The plates record the grant by the Pallava king Kumāravishnu II, who is believed to have lived at the beginning of the 4th century A.D., of a field in the village of Chendalūra to a Brahman in the second year of his reign. [Published in page 233 of the *Epigraphia Indica*, Volume viii.]

(9) A grant composed of five copper-plates strung on a ring, with a seal bearing in relief the legend "*Śrī Vijayasiddhi*" with a crescent between two daggers, purchased from a resident of Nellore. The plates record that the Eastern Chālukyan King Sarvalokāśraya gave the village of Chendarura to six Brahmans on the occasion of an eclipse of the moon on the 6th May 673 A.D. [Published in page 237 of the *Epigraphia Indica*, Volume viii.]

(10) A grant composed of three copper-plates strung on a ring with a seal bearing the legend, "*Śrī Sarvasiddhi*" purchased on the recommendation of the Assistant Archaeological Superintendent for Epigraphy, Southern Circle. The plates record that the Eastern Chālukyan King Jayasimha Vallabha or Jayasimha I who ruled from 633 to 663 A.D. gave the village of Kombaru to a scholar named Somaśarman. This document is very important, being one of the very few authentic inscriptions hitherto obtained of this early king. This is the first copper-plate recording a grant of this king acquired by the Museum. The plates are with the Assistant Archaeological Superintendent for Epigraphy, for publication in the *Epigraphia Indica*.

(11) A model of a temple car at Chidambaram, presented with a suitable case by M.R.Ry. O. A. O.K. Lakshmanan Chettiyar Avargal, in commemoration of the surrender of Germany.

(12) Half a dozen prehistoric quartz and chalcedony beads from Alagappamūḍipuram, presented by Mr. E. Masillamani.

Mr. A. Foucher, the distinguished French Orientalist, spent some time in studying the antiquities in the Museum.

7. NUMISMATICS.—A work on the coins of Haidar Ali and Tipu Sultan has been completed by Dr. Henderson and the manuscript will be sent to the press shortly. Plaster-casts of coins intended for illustration are under preparation and when they are finished arrangements will be made for the preparation of the necessary plates.

The following coins were acquired under the provisions of the Indian Treasure Trove Act:—

(1) Thirty-six twenty-cash pieces of the East India Company, Madras 1808, etc.; sixty-four ten-cash pieces of the East India Company, Madras, 1808; four pieces, Bengal, 1825, and Bombay quarter-anna 1804; forty-nine challies of the Dutch East India Company, and one hundred and seventy-five cash pieces of Krishna Rāja of Mysore, found at Kinathukadavu, Coimbatore district.

(2) Five Arcot quarter-rupees and one one-eighth rupee found in a house in Karattupālayam hamlet, Coimbatore district.

(3) Fourteen gold Rāma Rāya fanams found at Vikravāndi, South Arcot district.

(4) Fifty gold pagodas consisting of twenty-two three-swami pagodas of the East India Company, ten of Haidar Ali, fifteen of Tipu Sultan and three of Krishna Rāja of Mysore, found in Puttūr, Anantapur district.

(5) Five gold pagodas—three of Īkkēri Sadāsiva, and two of Śrī Sadāsiva of Vijayanagara—and one later Pandyan gold varāha found in Hōsel village, South Kanara district. The last has been already described in item 1 under Numismatics in the Annual Report of 1910-11.

(6) Sixteen gold pagodas struck in the names of the Emperors Farrukhsiyar and Muhammad Shah at Tadpatri, Gooty and Gangikota, found buried in a house in Thakkalapalli hamlet, Anantapur district. These are of considerable interest as they give information for the first time that Mughal coins were minted at Tadpatri.

To the Government of Bengal, Bihar and Orissa, the United Provinces, to the Superintendent, Archaeological Survey, Frontier Circle and to the Darbar of Jodhpur, the Museum is indebted for coins presented to it in the course of the year.

8. ETHNOLOGY.—The extension to the new building afforded greater accommodation for the ethnological exhibits, which had been scattered over various sections of the Museum. They have now been brought together, classified and re-arranged. The ethnological gallery comprises the new room which is set apart chiefly for articles connected with various aboriginal tribes, such as models of huts, domestic utensils, weapons, etc., the old (Tanjore arms) room containing miscellaneous exhibits, and a central room for objects pertaining to religion. As a result of this re-arrangement, the exhibits are shown to better advantage and room is still available for additional exhibits.

Among the additions made to this section are the following:—

- (1) Model of a hut, baskets, etc., of the Kanis, a hill-tribe of Travancore.
- (2) Model of a fishing net used chiefly by fishermen on the Cochin Coast.
- (3) A powder-flask and horn-tube made in the jungles to the east of Kollegal, Coimbatore district. They were confiscated to Government in an Arms Act case.
- (4) Cattle-bell made of bamboo and wood used by villagers in Charmadi, South Kanara district.

9. ECONOMIC AND BOTANICAL.—Two tours were made by the Herbarium-keeper during the year, one to Travancore in June, and the other to the Chittoor district in January. They resulted in numerous additions to the economic and botanical sections, and some new photographs were added to the series illustrating growing plants and the methods of manufacture of various economic products.

Among the additions made to this section are the following:—

- (1) From Travancore—a collection of coir and coir articles comprising bags used for domestic and other purposes, mats, ropes, brushes and other useful articles; coconut articles consisting of buttons made of the shell, a mat and a fish-trap made of the mid-ribs of the leaflets and various kinds of receptacles made of coconut shell; also fibre matting and belts; a superior variety of a very soft mat made of screw-pine leaves (*Pandanus odoratissimus*), an average sized mat being sold for Rs. 20 to Rs. 30.

(2) From the Chittoor district—glass and glass bangles and the various exhibits connected with their manufacture at Kalahasti; an interesting collection of woollen cumbles and wool, together with the different parts of the primitive hand-loom, on which the cumbles are woven, and various other articles used in preparing woollen yarns at Punganūru; models of some agricultural implements common to the district including a weeder, levelling plank, etc.

(3) To the Madras Board of Revenue (Separate Revenue) the Museum is indebted for a series of exhibits connected with the manufacture of saltpetre. They comprise the following:—

- (i) Nitrous earth collected from village-sites.
- (ii) Crude saltpetre used for the manufacture of superior saltpetre.
- (iii) Refined saltpetre, second sort, used for blasting rocks, well works, and for ordinary fire-works.
- (iv) Refined saltpetre, first sort, used for superior fire-works and the manufacture of gunpowder.
- (v) Educated salt, which is the refuse obtained during the refinement of saltpetre.

10. GEOLOGY AND MINERALOGY.—Among the more important additions to this section are the following:—

- (1) A pure and perfectly white sample of Kaolin from Kumbalam, near Quilon, Travancore, said to be suitable for making fine pottery and porcelain.
- (2) Allanite from Sirumalai Hills, Madura district, presented by Mr. E. Masillamani.
- (3) Crystals of gypsum from Tuticorin.

11. NATURAL HISTORY.—A considerable number of specimens, chiefly birds, have been substituted for older and less perfect ones in the collection. The marine shells have been arranged systematically, with prominent labels to show their classes, orders, etc. The scientific names of most of the exhibits in this section have been brought up-to-date. A tour was made by the Zoological Assistant to the Tanjore district in June.

Among the more important additions the following may be noted :—

(1) A specimen of the long-legged Buzzard (*Buteo ferox*) from Kodambakam, Chingleput district, was added to the collection of birds.

(2) The following species of fish new to the collection :—

Barbus dorsalis, *B. filamentosus*, *Cirrhina cirrhosa*, and *Callichrous bimaculatus*, from the Lower Anicut, Tanjore; *Dicognathus jerdoni*, from the Bhavani river; *Diodon hystrix*, from Mahé; and *Anabas scandens*, from Madras.

(3) Several insects new to the collection :—Dragon-flies (*Anax immaculifrons*, *Neurothemis tullia tullia*, and *Hyleothemis frühstorferi*, from the Nilgiris; *Brachythemis contaminata*, *Tramea limbata*, *Tholymis tillarga*, and *Orthetrum taeniolatum*, from Madras); the Earwig (*Forcipula quadrispinosa*), from the Lower Anicut, Tanjore; the Scarabeid beetle (*Adoretus versutus*), from Madras; Butterflies, *Liscophora lepida*, *Delias kandha*, the latter from Vizagapatam; Plume-moth (*Exelastis atomosa*), and the Noctuid moth (*Ophiura melicerte*), from Madras.

The Museum is indebted to Capt. F. C. Fraser, I.M.S., for a named collection of dragon-flies, which included a number of species new to the collection.

(4) A number of molluscan shells new to the collection :—Freshwater and land-shells (*Paludomus travancorica*, *P. neritoides* var. *globosa*, *P. annandalei*, *P. tanjoriensis* var. *malabarica*, *P. (Stomatodon) stomatodon*, *P. inflata*, *P. rotunda* var. *microstoma*, *P. monile*, *Melania crenulata* var. *pirouri*, *M. (Acrostoma) hugeli*, and *M. virgulata*); and marine shells (*Meretrix meretrix* var. *impudica*, and *M. casta* var. *ovum*), all from South India.

(5) Madreporarian corals (*Echinopora aspera* and two species of *Pocillopora*), and Fan-corals (*Echinogorgia cerea* and *E. pseudosassapo*), from the Madras Harbour.

In the Vivarium a small viper (*Echis carinata*) gave birth to fifteen young ones, each five and a half inches long in June; a snake (*Tropidonotus stolidus*) laid eight eggs in December; a monitor lizard (*Varanus bengalensis*) laid two eggs in January, and a snake (*Lycodon aulicus*) laid five eggs in March.

A cluster of thirty-two eggs of a watersnake (*Tropidonotus piscator*) was obtained on 28th January. The eggs varied from $24\frac{1}{2}$ mm. $\times$ 18 mm. to 26 mm. $\times$ 19 mm. in measurement. They were kept on moist sand and eight young ones, each six and a half inches long, were hatched on 20th February. The young snakes were fed with small live fish. Two of them have died; the remaining six have moulted twice, once on the 4th and again on 30th March. At present they appear quite healthy.

12. MARINE AQUARIUM.—The total number of visitors during the year under review and the amount realized in entrance fees were 82,884 and Rs. 3,005 against 90,535 and Rs. 3,231 respectively in the previous year. The largest number of visitors on any single day was 3,102, on Kannu Pongal day (16th January).

Details for admissions are given below, the ordinary entrance fee being one anna in the forenoon and half an anna in the afternoon :—

	Morning.	Afternoon.	Total.
Gosha days (last Monday of each month)	113	1,215	1,328
Other days	9,635	71,443	81,078
Visitors specially admitted at four annas each (when the aquarium was closed to the public)	155	315	470
Zenana visitors admitted at one rupee each under special arrangements (when the aquarium was closed to the public)	8	...	8
			82,884

The general health of the fish continued to be good throughout the year.

In G.O. No. 387, Home (Education), dated the 27th March 1919, Government directed that the management of the Marine Aquarium, which was hitherto in the charge of the Superintendent of the Museum, should be transferred to the Director of Fisheries with effect from the 1st April 1919. Accordingly the institution was handed over to the Director of Fisheries on the 1st April.

13. CONNEMARA PUBLIC LIBRARY.—The total number of readers during the year was 19,454 against 22,782 in 1917-18.

Largest number of readers in a day	...	...	...	...	141
Smallest number of readers in a day	...	...	...	...	12
Largest number of readers on a Sunday	...	...	...	...	134
Smallest number of readers on a Sunday	...	...	...	...	55

The fall in the number of readers is no doubt due to the long-prevailing influenza epidemic.

The number of standard works added to the library was 419 of which 344 were purchased and the rest presented.

A statement of the number of books issued to readers during the last two years arranged under subjects is subjoined :—

	1917-18.	1918-19.
Anatomy; biology; natural history; zoology	1,795	1,348
Anthropology; folklore	548	206
Archæology; architecture	597	263
Arts; industries	1,593	1,266
Atlases; maps	193	70
Belles lettres	7,913	6,009
Botany; arboriculture; horticulture	654	367
Chemistry; agriculture; photography	497	163
Classics	456	206
Dictionaries; encyclopædias; gazetteers; manuals	8,195	6,749
Economic products	594	255
Education; ethics; logic	1,976	1,340
Exhibitions	96	62
Forestry; timbers	174	105
Geography: physical geography; physiography	294	216
Geology	209	165
History	6,987	5,342
Jurisprudence	612	324
Medicine; surgery; pathology	407	214
Microscopy	17	15
Mineralogy; metallurgy	272	207
Natural philosophy	864	652
Numismatics; medals; heraldry	114	95
Phylogeny; epigraphy	1,922	1,724
Photographs	264	206
Physiology	394	239
Public health	64	42
Religion	2,229	1,029
Sport and games	368	258
Travels; voyages	288	196
Vernacular languages	84	64
Fort St. George Gazette (other than current issues)	1,526	1,206

14. UNIVERSITY LIBRARY.—The total number of readers rose from 10,224 in 1917-18 to 10,400 during the year under report, and 15,522 volumes were consulted as against 14,103 in the previous year.

The privilege of taking books on loan from the library against a deposit of Rs. 20 was claimed by 211 University readers as against 173 in 1917-18, and 4,893 volumes were consulted in this way as against 4,053 volumes in the previous year.

A subject index of all the books in the library is in course of preparation.

M.R.Ry. P. V. Trivikrama Rao, Assistant Librarian, died on the 7th October 1918. In regard to his work Doctor Henderson observes that :—“He rendered valuable assistance in the working of the University Library during its initial stages for a period of eleven years. His death has deprived the Library Committee of an able and hard-working assistant.”

15. VALUABLE STOCK.—The necessary inventory was maintained and duly checked.

The usual list of donations and statement of expenditure are appended.

APPENDIX A.

Donations, 1918-19.

- Beardsell, Sir, W. A.—
Bicoloured leaf-nosed bat (*Hipposideros fulvus*), Madras.
- Bengal Government—
Rupee of Muhammad bin Tughlak, found in the Murshidabad district.
Two silver coins (Muhammadan Rulers of Bengal), found in the Birbhum district.
- Bihar and Orissa Coin Committee, Patna Museum—
Twenty-seven rupees of Sher Shah found in the Shahabad district.
Ten copper coins of Ala-ud-din Muhammad Shah II, found in the Champaran district.
Ten rupees of Shah Jahan I, found in the Sonthal Parganas district.
Seven rupees of Muhammad Shah, Ahmad Shah, Alamgir II and Shah Alam II, found in the Mozufferpore district.
Four Vighraha coins with indications of Sassanian altar with attendants, found in the Mozufferpore district.
Eight rupees of Shah Jahan I, found in the Mozufferpore district.
Rupee of Nasir-ud-din Nasarat Shah, found in the Santal Parganas district.
Two gold coins of Govinda Chandra of Kanauj, found in the Ranchi district.
- Board of Revenue (Separate Revenue), Madras—
Exhibits connected with the manufacture of saltpetre.
- Bobbili, The Maharaja of, G.C.I.E., C.B.E.—
Skin of an Indian oriole (*Oriolus kundoo*).
- Bremner, Mr. D. Scott—
Chameleon (*Chamaeleon calcaratus*).
- Cammiade, B.A., B.L., Bar-at-Law, Mr. L. A.—
Powder-flask and horn-tube, made in the jungles to the east of Kollegal, Coimbatore district.
- Carmichael, Miss—
Pit-viper (*Trimeresurus strigatus*), Tinnevely.
- Corporation of Madras—
Indian Bear (*Melursus ursinus*).
Orang-utan (*Pongo pygmaeus*).
Indian mouse-deer (*Tragulus meminna*).
- Davey, Mr. G. H.—
Abnormal coconut seedlings, Travancore.
- Director, Zoological Survey of India, Calcutta—
Shells belonging to the family Melaniidae :—
Paludomus travancorica, Bedd., Travancore.
P. obesa, Phil., Courtallam, Tinnevely.
P. (Tanalia) neritoides, var. *globosa*, Brot., Anamalais.
P. annandalei, Preston, Western Ghats, Travancore.
P. tanjoriensis, var. *malabarica*, Nev., Travancore.
P. do. (Gm.), Madras.
P. (Stomatodon) stomatodon, Bens., Travancore.
P. rotunda, var. *microstoma*, Nev., Madura Hills.
P. inflata, Brot., Tinnevely.
P. monile, Thorpe, S. Travancore.
Melania (Plotia) scabra, Miller, Madras.
M. (Acrostoma) hugeli var. *compacta*, Nev., Cauvery River.
M. crenulata var. *tirouri*, Fer., Cuddalore.
M. virgulata, Fer., Cuddapah.
M. (Striatella) tuberculata, Mull., Bimlipatam.
- Donovan, M.D., I.M.S., Lieut.-Col. C.—
Butterflies :—
Discochloa lepida.
Delias kandha, Vizagapatam.
Argynis castelsi, Coonoor.
- Fernandez, Mr. H. C.—
Python (*Python molurus*), Mangalore.
- Fernandez, Mr. J. C.—
Orchid Mantis (*Gongylus gongyloides*), from the Museum compound.

Fraser, I.M.S., Captain F. C.—

- Dragon-flies—
Brachythemis contaminata, Madras.
Orthetrum triangulare, Nilgiris.
O. pruinosa, Madras.
O. teniolatum, Madras.
Rhyothemis variegata, St. Thomas' Mount, Madras.
Hyleothemis fruhstorferi, Nilgiris.
Tholymis tillarga, Madras.
Neurothemis tullia tullia, Kallar and Madras.
N. fulva, Nilgiris.
Tramea limbata, Madras.
Ictinops rapax, St. Thomas' Mount, Madras.
Neurobasis chinensis, Kallar and Madras.
Anax immaculifrons, Nilgiris.
- Gillan, M.A., F.D., Rev. D. H.—
Hawk-moth (*Daphnis nerii*), Madras.
- Government Marine Biologist, Tuticorin—
Shells belonging to the genus *Meretrix*—
Meretrix meretrix (Linn.), typical form, Tuticorin.
Meretrix meretrix var. *morphina* (Link), Tuticorin.
Meretrix meretrix var. *impudica* (Chemn.), Tuticorin.
Meretrix casta (Chemn.), typical form, Pulicat Lake.
Meretrix casta var. *ovum*, Hanley, from Mangalore, Baliapatam river, Tellicherry and Malé.
Meretrix casta var. *satparensis* (Preston), Tuticorin.
- Govindan, B.A., F.Z.S., Rao Bahadur V.—
Cattle-bell used by villagers in Charnadi, South Kanara.
- Hasted, Mr. W. A.—
Sykes's tree-warbler.
(*Hypolais rama*), Cuddalore.
- His Highness the Maharaja Sahib Bahadur of Jodhpur—
Gadhiya coin—
Coin imitating the coins of Firous Sassanian N. W. type.
- His Highness the Maharawal Sahib Bahadur, Dungarpur State—
Head of spotted deer (*Axis axis*) with abnormal arrangement of antlers.
- Johnston, Mr. R. H. A.—
Tineid larva with its case, Repalle, Guntur district.
- Karunakara Menon, Mr. P.—
Porcupine-fish (*Diadon hystrix*), Malé.
- Lakshmanan Chettivar, Mr. O. A. O. K.—
Model of a temple car (made of Plaster of Paris) at Chidambaram with a case.
- Lynde, Mr. G.—
Snake (*Hydrophobus nympha*), Madras.
- Mainwaring, Mr. N. E. Q.—
Smooth Otter (*Lutra macrodus*), Vellore.
- Masillamani, B.A., A.R.C.S., A.R.S.M., Mr. E.—
Prehistoric beads, Alagappamudipuram, Travancore.
Allanite, Sirumalai Hills, Madura district.
- Mudalappa, Mr., Timmalapuram—
A set of three copper plates strung on a ring with a boar-seal recording a grant of the western Chalukyan King Vinayaditya Satyasraya Narēndradeva.
- Raghavaya Garu, Mr. K.—
Three wood-carvings from an old temple car, Kalahasti, Chittoor district.
- Singara Babu, Mr. B.—
Chameleon (*Chamaeleon calcaratus*), Gōdāvari lankas.
- Śrīman Raja Sugutur Immidi Pedda Chikkarāyal Yasovanta Bahadur Varu—
Two old swords } Punganuru, Chittoor district.
One battle-axe }
- Stoney, Mr. R. F.—
Mosquito (*Toxorhynchites* sp.), Madras.
- Straker, Mr. C. H.—
Nematode worm, Kodaikanal.

Sundaram Ayyar, Mr. S.—
Gypsum, Tuticorin.

Sundararaj, M.A., Mr. B.—

Shells of freshwater-molluscs :—

Ampullaria sp.

Planorbis exustus

Vivipara bengalensis.

Limnaea acuminata var. *amygdalum*.

Colair lake.

Superintendent, Archaeological Survey, Frontier Circle, Peshawar—

Twenty-seven rupees of Shah Jahān and Aurangzēb, found in the Hazāra district.

Superintendent, Archaeological Survey, Southern Circle, Madras—

Limestone image of Kubera unearthed from the embankment on the north-east side of the Amarāvati Stūpa in the Guntūr district.

Thomas, Mr. F.—

Cluster of a snake's eggs (*Tropidonotus piscator*), Madras.

Water-snake (*Tropidonotus piscator*), Madras.

United Provinces Government—

Rupee of Aurangzēb and rupee of Farrukhsiyar, found in the Etah district.

Six rupees of Shah Alam II, found in the Naini Tal district.

Rupee of Shah Alam II, found in the Shahjānpur district.

Two rupees of Muhammad Shah, found in the Morādābād district.

Rupee of Alā-ud-din Muhammad Shah II of Delhi, found in the Hardoi district.

Rupee of Shah Jahān, found in the Aligarh district.

Three copper coins of Alā-ud-din Muhammad Shah II, found in the Sitapur district.

APPENDIX B.

Classified list of Expenditure of the Government Museum, Connemara Public Library and the Marine Aquarium during the year 1918-19.

GOVERNMENT MUSEUM AND CONNEMARA PUBLIC LIBRARY.

	Actuals, 1918-19.	Revised estimate, 1918-19.
	RS.	RS.
Salaries—		
Superintendent	9,668	10,137
Duty allowance	467	
Total ...	10,135	10,137

Permanent establishment, Government Museum—

Zoological assistant, herbarium-keeper, archaeological assistant, head clerk, second clerk, third clerk, writer, assistant writer, senior and second taxidermists and 31 peons—41 persons

11,096 11,042

Permanent establishment, Connemara Public Library—

Sub-librarian, three attendants and three peons

2,682 3,317

Total, Establishment ... 13,778 14,359

Allowances—

Travelling allowance

376 900

House-rent and other allowances

1,051 638

Total ... 1,427 1,538

Supplies and Services—

Cost of specimens purchased on tour

Objects of interest and coins purchased at head-quarters

2,491

Fittings, furniture, etc.

3,173

Cost of books and publications

2,018

Lithographic plates

Nil.

Charges for feeding live animals

282

Cost of indented Europe stores and freight

64

Electric lights and fans

256

Total, Supplies and Services ... 8,284 8,864

GOVERNMENT MUSEUM AND CONNEMARA PUBLIC LIBRARY—cont.

	Actuals, 1918-19.	Revised estimate, 1918-19.
	RS.	RS.
Contingencies—		
Purchase and repair of furniture	33	
Cleaning charges	495	
Rents, rates and taxes	6,385	10,209
Office expenses and miscellaneous	1,701	
Pay of menials	1,102	
Total, Contingencies ...	9,667	10,209
Total, Government Museum and Connemara Public Library	43,291	45,107
MARINE AQUARIUM.		
Permanent establishment, Marine Aquarium—		
Head-keeper, second-keeper, third-keeper and two door-keepers—5 persons	999	999
Total, Establishment ...	999	999
Allowances—		
House-rent and other allowances	135	84
Supplies and Services—		
Food for animals	1,001	
Fittings, etc.	349	1,575
Cost of locally purchased stores	Nil.	
Cost of indented Europe stores and freight	Nil.	
Total, Supplies and Services ...	1,350	1,575
Contingencies—		
Office expenses and miscellaneous	499	
Pay of menials	1,876	2,269
Total, Contingencies ...	2,375	2,269
Total, Marine Aquarium ...	4,859	4,927
Grand Total ...	48,150	50,034

Order—No. 940, Home (Education), dated 30th July 1919.

Recorded.

2. The thanks of Government are due to all who made donations to the Museum during the year.

3. The Governor in Council takes this opportunity to place on record his high appreciation of the services of Doctor John Robert Henderson, C.I.E., who for the past 10 years has filled the post of Superintendent of the Museum with marked distinction and success.

(True extract)

R. RAMACHANDRA RAO,
Secretary to Government.

To the Superintendent, Government Museum.
" Director of Public Instruction.
" Home (Miscellaneous) Department.
" Revenue Department.
" Public Works Department.
" Accountant-General.
" Director-General of Archaeology (with C.I.).
Editors' Table.

Government Museum

Recording, with remarks, the report on the work
the -----, the Marine Aquarium and the Connemara Public Library
for the year 1918-19.

READ AGAIN G.O. No., dated 191

" " " " 191

READ ALSO:-

C. No. 1334 B, From the S.G. No. 418, dated 7-7-1918 191

" " " " 191

" " " " 191

ORDER.

No. 940, dated 30-7-1919

P.S.

Recorded.

2. The thanks of Government are
due to the ^{ail} ~~person~~ who made donations
to the Museum during the year.

3. The Government note the conti-
nuance of the demonstrations to the
students and teachers in Madras ^{by the S.G. m} and to
the pupils of the high schools in the
Madras City by the Museum assistants,
referred to in para 5 of the report.

To the S.G. ^{sent 14/8}
D.I.I. ^{sent 15/8}
Home (Mis) ^{sent 15/8}
Revenue Dept. ^{sent 15/8}
A.G. ^{sent 15/8}
D.G. of Archaeology (with C.I.)

B.T

Dis to org for ^{sent 15/8}
and ^{sent 15/8}
Mun 15/8

107
14-7-19

147/19

Note:- Last year's report was re-
corded in G.O. No. 963 dated 22-7-18.

3 4. The Governor in Council
takes this opportunity to

who for the past 10 years
 has filled the post of
 Superintendent of the
 Museum with
 marked distinction

22/7/19

Subject.

Report on the working
 of the Dept. Museum,
 the Commonwealth Public
 Library, & the Marine
 Aquarium, 1918-19

NOTES.

9/40

Home (Ed 3)

1334/B. from the S. Q. M., 418. d/ 7. 7. 19

The usual draft arrives on
 the Museum report for 1918-19 as follows: With
 reference to the Secy's order at p. 9 of No. 162
 Ed 3, d/ 22 Feb. 1918, the question of the
 addition to the draft of a voluntary notice
 of Mr. Henderson's services & the terms in
 which it should issue as for order.

(K)

1368 (K) 1919

21. 7. 19

H.M.

R.R.R.
 24-7-19.

The Secy's order. approve the voluntary
 reference to Dr. Henderson.

20/7/19

Submitted
 20/7/19

H.S. 15. 20. 7. 19



Government Museum

Recording, with remarks, the report on the working the -----, the Marine Aquarium and the Connemara Public Library for the year 1918-19.

READ AGAIN G.O. No., dated 191 .
 " " " " 191 .

READ ALSO:-

C. No. 1334 B, From the S.G.M., No. 418, dated 7-7-1919. 191
 " " " " 191
 " " " " 191

ORDER.
 P.S.

No. 940, dated 30-7-1919 191

Recorded.

2. The thanks of Government are due to all who made donations to the Museum during the year .

3. The Governor in Council takes this opportunity to place on record his high appreciation of the services of Dr. John Robert Henderson C.I.E., who for the past 10 years has filled the post of Superintendent of the Museum with marked distinction and success.

To the S.G.M.
 ,, D.F.I.
 ,, Home (Mis) Dept.
 ,, Revenue Dept.
 ,, P.W.D.
 ,, A.G.
 ,, D.G. of Archaeology
 (with C.L.)

E.T.

ORDINARY.

PRESS SLIP.

PREFERENCE.

URGENT (a).

I-38-3-14.

Home (200) DEPARTMENT.

Current No. 13348 dated 9-7-1919

G.O. No. 940, dated 30-7-1919

(b)
Number of MS. pages sent { Correspondence 13 pages
(b)
Notes 20 not to be printed

Brief subject: Vide draft sheet

(c) Number of copies required when struck off (not including copies for volumes and covers table which are retained in the Press).	E. T. copies to supply requisitions for purchase by the public.	Complete correspondence and orders.	Notes.
FOR RECORD.			
Madras Records	4	25	
Ooty Records		4	
For filing with original		1	
Total		30	

FOR ISSUE.†

	Letter only.	Complete G.O.	(b) Special issue copies of G.O.		Notes
			No.	Papers.	
Signature copies.		7			
India Office.					
Govt. of India.					
Revenue Department.					
Public Works Department.					
Local and Municipal Department.					
Educational Department.					
Public Dept.					
Judicial Dept.					
Political.					
Financial Dept.					
Marine Dept.					
Ecclesiastical Dept.					
Total					

The S-G.M.	135	
The D.P.I.	4	
The P.W.D.	6	
The Rev.	2	
The Home (mis)	4	
The A.G.	2	
The		
The		
The		
The		
The		
The		
Total		

copies distributed on (Press Clerk).

INSTRUCTIONS FOR THE SECRETARIAT.

(a) If a paper is marked to be printed urgently, the Superintendent of the section concerned should sign the Press slip. The Superintendent should exercise a careful discretion in the matter.

(b) Each letter, memorandum, or order, or set of orders, in the file of correspondence should be headed in succession with the Roman numeral I, II, III, etc., the number being written in red ink or blue chalk above the item. The particular papers to be printed in the special issue-copies should be indicated by the Roman numeral (I, II, etc.) by which that item has been headed in the correspondence file. All matter, including marginal remarks or references, to be printed should be written in ink and matter which should not be printed should be encircled. Initials and signatures that are not quite legible should be re-written distinctly.

(b) For rules regarding printing of notes, see rule 315 of the office Manual.

(c) The number of copies and the details of distribution should be filled in by the Superintendent or Referencer concerned.

(d) In the absence of special instructions to the Press to keep matter standing for a specified period, ordinary papers of 8 pages and under will be kept standing for one week, and larger papers for two weeks only. The type of notes and of all confidential papers is distributed immediately after striking.

(e) This slip, properly and completely filled in, should accompany every paper sent to Press; it will be returned by the Press when proofs are furnished; it should be sent to the Press when a call is made for revised proofs or when a corrected proof is sent for striking. When finally returned by Press it should be filed with the original order or letter.

INSTRUCTIONS FOR THE PRESS.

(a) If, in the opinion of the Superintendent of the Press, a paper has been marked urgent unnecessarily, he should send the Press slip to the Registrar with a remark to that effect.

(b) Unless a note to the contrary is made against the matter, pencil entries should not be printed. The Superintendent of the Press may bring to the notice of the Registrar any instance of incomplete or careless editing.

(c) Signature copies of letters to the Secretary of State or to the Government of India should be printed on hand-made paper.

(d) This slip should be returned by the Press to the Secretariat when proofs are furnished; it will be sent back to the Press when proofs are returned corrected and should be finally returned to the Secretariat when struck-off copies are supplied.

(e) The names of the Secretary and Members should be printed in full when they occur on the right hand side, only the first time when they appear on the left side, the initials alone being printed later.

TO PRESS, MADRAS COTY.

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Please send proof in duplicate. The papers have been carefully edited.	Proof returned corrected. Please strike off and send number of copies as indicated.	As the matter is clear manuscript has been carefully edited, (b) pr not be sent. Please print and number of copies as indicated.
Type may be released after usual interval.	Type may be released after usual interval.	Type may be released after usual interval.
Referencer. Clerk.	Referencer. Clerk.	Referencer. Clerk.
Supdt.	Supdt.	Supdt.

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First proof furnished on.....	
Call for revised proof received on.....	
Revised proof furnished on.....	
Corrected proof received for striking on.....	
Final copies supplied on.....	13/8

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