



**ADMINISTRATION REPORT**  
OF  
**THE GOVERNMENT MUSEUM, MADRAS,**  
**THE NATIONAL ART GALLERY, MADRAS,**  
**THE GOVERNMENT MUSEUM, PUDUKKOTTAI**  
AND  
**THE CONNEMERA PUBLIC LIBRARY**  
**(Exchange Section), MADRAS**

FOR THE YEAR 1962-63



GOVERNMENT OF MADRAS  
1965

PRINTED BY THE DIRECTOR OF STATIONERY AND  
PRINTING, MADRAS, ON BEHALF OF THE  
GOVERNMENT OF MADRAS  
1965

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## GOVERNMENT MUSEUM, MADRAS

### ADMINISTRATION REPORT FOR 1962-63.

#### GENERAL

*Distinguished visitors.*—The following were the distinguished visitors who visited the Government Museum, Madras and the National Art Gallery, Madras, during the year under report :—

1. Dr. Man Mohan Das, Deputy Minister, Scientific Research and Cultural Affairs, Government of India.
2. Mr. D. P. Ghosh, Curator, Asutosh Museum, Calcutta.
3. Prof. Marko, Producer of Art, Moscow Theatre.
4. Mr. V. R. Kopylor and Mr. G. L. Omitries, Russian Archivists.
5. The Philippine Cultural Delegation.
6. The Cultural delegation from Uruguay.
7. Shri V. T. Krishnamachari, formerly Deputy Chairman, Indian Planning Commission.
8. Dr. and Mrs. Segre, Noble Prize-winner in Physics.
9. Mrs. Vera Brittain, No. 4, White Hall Cantonement, Westminster, London.
10. Cultural Delegation from the Federation of Malaya.
11. Sir Charles and Lady Goodent, London, England.
12. Mr. Ward Morehouse, University of the State of New York, Albany, United States of America.
13. Madame and Mr. Jaujard, Secretary-General, Ministry of Cultural Affairs, France.
14. Mr. Koto Matudia, Japanese Embassy, New Delhi.

All these distinguished visitors were received, and taken round the Museum by the Superintendent, Assistant Superintendent and the Curator for Art and Archaeology.

The Superintendent served as Liaison Officer in connection with the visit of Madame and Mr. Jaujard, Secretary-General, Ministry of Cultural Affairs, France, and arranged for their visit to the monuments at Mahabalipuram and Kanchipuram, besides other places of interest in the City.

*Special Exhibition.*—The following special exhibitions were arranged during the year under report at the Government Museum, Madras :—

1. Musical instruments : Recent acquisitions.
2. Amherst Pheasant.
3. Iron ores.
4. Cork industry.
5. The Four-horned Antelope.
6. Miniature, Kathakali models.
7. Quest for food.
8. Mughal and Rajasthani paintings presented by Sri V. T. Krishnamachari.

Due publicity was given to these special exhibitions in the local dailies through the Director of Information and Publicity. They served to focus public attention on some of the recent acquisitions of the Museum.

*Museum demonstrations to High school teachers.*—Demonstrations to the teachers of the local High schools were conducted in the Museum galleries during the months of November and December 1962 for the benefit of teachers of the various local High schools on Saturdays. Eleven teachers attended these demonstrations. These demonstrations enable the teachers in their turn to guide their pupils.

*Children's gallery.*—The Children's gallery continued to be popular especially among the school children visiting the Museum. Special demonstrations were arranged in the Children's gallery for organized groups of school pupils on Saturdays by the Assistant Curator for Zoology who is in charge of the Children's section. A series of seven realistic miniature Kathakali models and a Doll's House were acquired for the Children's section during the year.

*Audio-visual aids.*—During the year 2,000 sets of attractive colour picture postcards of four selected paintings in the National Art Gallery were prepared and released for sale to the public. Seventy-five copies of Albums of photographs of select sculptures in the Museum, illustrating the Art of South India were prepared and released for sale especially for the benefit of foreign visitors and tourists. The sale of picture post cards of bronze images, common birds of Madras, common flowers of Madras, two colour reproductions of original paintings of the traditional South Indian School in the National Art Gallery, sets of electro-plated metal casts of coins illustrating the history of Indian coinage and miniature bronze replica of the world famous Natesa from Tiruvelangadu (exhibited in the National Art Gallery) were continued during the year as part of the Museum's Audio-visual Aid Programme. The sale of photographs of important exhibits in the Archaeological Galleries was also continued during the year. A specimen miniature set of bronze replicas of Rama and Sita bronze icons exhibited in the National Art Gallery were prepared and orders are being booked from various institutions for their preparation and supply.

*Special Lectures.*—A series of lectures was delivered by the Superintendent, Assistant Superintendent and Curators of the Museum to the students of colleges in the City, illustrated by lantern slides, on topics related to Museum subjects. Special lectures were also delivered by the Superintendent and the Curatorial staff to the students of the M.A. degree course in Archaeology of the Madras University and to the Fine Arts students of the Stella Maris College on subjects pertaining to Museology.

In addition to these, the Superintendent delivered a series of three lectures in Museology at the Salar Jung Museum, Hyderabad, in November 1962.

*Tours.*—In addition to the various sectional tours undertaken by the Curators from time to time, the Superintendent undertook a tour to Pudukkottai from 8th to 16th November 1962, inspected the Government Museum, Pudukkottai and made suggestions for its improvements.

*Study tour of West Germany and the Netherlands.*—The Superintendent went on a five-week study tour of Museums in West Germany and Holland from June 26th to 1st August 1962 at the invitation of the West German Government and studied the methods of exhibition, storage, etc., in German and Dutch Museums. The Superintendent also attended the ICOM Conference at the Hague from July 4th to July 12th 1962, and participated in the working parties arranged by the Conference.

*Art Purchase Committee of the National Gallery of Modern Art.*—The Superintendent attended the meeting of the Art Purchase Committee of the National Gallery of Modern Art, held in Hyderabad in November 1962.

*Meetings of the Central Advisory Board of Archaeology, Central Advisory Board of Museums, Museums Association, etc.*—The Superintendent attended the meeting of the Central Advisory Board of Museums on 3rd April 1962 and the Annual Meeting and Seminar of the Museums Association on the 4th and 5th April 1962 and participated in the Seminar on Problem of Training Museum Personnel and read a paper on the subject on 5th April 1962 at the Seminar of the Museums Association held at New Delhi.

Again, the Superintendent attended the following meetings and Seminars at Bombay from 19th to 23rd December 1962:—

1. Annual Meeting of the Museums Association of India.
2. Seminar of the Museums Association of India, in which the Superintendent participated and read a paper on his European tour illustrated by lantern slides.
3. Meeting of the Standing Committee of the Central Advisory Board of Museums.
4. Meeting of the Central Advisory Board of Museums.

5. Meeting of the Ad-Hoc Committee for prescribing a uniform procedure for Stock-taking in Museums.

6. Meeting of the National Committee of the ICOM and

7. Meeting of the Central Advisory Board of Archaeology.

*Other Committee Meetings.*—As the nominated official member, the Superintendent attended the following meetings of Committees, etc., within the city :—

1. Two meetings of the Regional Committee for the Survey of Historical Records on 18th August 1962 and 16th February 1963 at the University Buildings, Chepauk.

2. Meeting of the State Tourist Traffic Advisory Committee at the Secretariat on 13th August 1962.

3. Meeting of the General Council of the State Lalit Kala Akademi at Brodie Castle, Greenways Road, Adyar on 24th September 1962.

4. Meeting of the Art Purchase Committee of the State Lalit Kala Akademi at Brodie Castle, Adyar, on 23rd February 1963.

5. Meeting of the Small Scale Industries and Handicrafts Board at the Industrial Estate, Guindy on 28th January 1963.

*Indian Museums Review.*—The Superintendent edited and compiled the material for the Indian Museums Review received from all the Museums in India, for the year 1959-60 and 1960-61 on behalf of the Ministry of Scientific Research and Cultural Affairs, Government of India.

*Museum Manual.*—Under instructions from Government, the Superintendent prepared and edited a Departmental Manual for the Madras Museum, comprising both administrative and technical aspects and submitted the typescript of the Manual to Government for publication.

*Special Committee of the National Art Gallery.*—One meeting of the Special Committee of the National Art Gallery was convened during the year to select and acquire paintings and modern sculptures for the National Art Gallery.

*Exchanges.*—A series of Malayan leather shadow play figures were obtained from a Museum in Malaya in exchange for a similar series of Indian shadow play figures.

*Notable additions to the collections.*—Among the most notable additions to the collections during the year mention may be made of the unique series of Mughal and Rajasthani paintings and Buddhist and Jain manuscripts presented by Sri V. T. Krishnamachari. A special exhibition was held in which these paintings were suitably mounted, captioned and exhibited. Other notable additions include a set of plaster models of several excavated antiquities at Nagarjunakonda, a set of replicas of Harappan art, a set of twenty plaster casts illustrating Indian sculpture through the ages, a series of seven miniature Kathakali models for the Children's Gallery and a fine mounted specimen of an African Lion acquired for the Zoological Section.

*Re-organisation and Development of the Museum.*—The scheme for the reorganisation and development of the Museum with Central Financial assistance was continued to be implemented during the year. The installation of the exhibits in the modernized illuminated cases in the Metalware Gallery was completed during the year. The two new buildings for the Bronze Gallery and the Natural History Gallery were almost completed and were ready to be handed over for occupation at the close of the year under report. Several important items of equipment such as a Rectifier Unit for the Chemical Laboratory, a spray painting equipment and a water cooler for the visiting public were acquired and installed with Central grants. Towards the close of the year under report, an additional sum of Rs. 2.19 lakhs for equipment and minor building schemes and Rs. 32,000 for the Chemical Laboratory was sanctioned from the Government of India grants and orders were placed for modernised show cases and other essential equipment.

*Microfilming section.*—The Microfilming Unit installed in the Museum at a cost of Rs. 20,000 is being operated by a Microfilming Operator under the supervision of the Curator for Chemical Conservation Section. Microfilm copies are being supplied to

scholars, Research workers and institutions at rates approved by Government and this new service undertaken by the Museum is proving to be a very valuable additional educational activity.

*Museum posters.*—Copies in English, Tamil and Hindi of the newly designed Museum poster have been printed through the Director of Information and Publicity and they have been sent to the Public Relations Officer, Southern Railway, for display at all important Railway stations.

*Publications.*—The Museum continued to maintain its standard as a pioneer research institution in the State, particularly in the fields of Archaeology and Natural History.

The following publications were brought out during the year :—

1. Guide to Lizards, Crocodiles, Turtles and Tortoises exhibited in the Reptile Gallery by S. T. Satyamurti.
2. Eearly Eastern Chalukyan sculpture by C. Sivaramamurthi (Reprinted).
3. Catalogue of Musical Instruments in the Madras Government Museum, by Prof. P. Sambamoorthy.

The following publications were in the Press during the year :—

1. Guide to Foreign Animals, General Zoology, Amphibians, etc., by S. T. Satyamurti.
3. Sculptures from a Stupa near Goli by T. N. Ramachandran.
3. Bronzes of South India—by P. R. Srinivasan.
4. Nolamba sculptures by C. Sivaramamurthi.
5. Handbook of the Madras Museum, edited by the Superintendent.
6. Catalogue of Roman and Byzantine coins by T. G. Aravamudhan.
7. Nagapattinam Bronzes by T. N. Ramachandran.
8. Indian Epigraphy and South Indian scripts by C. Sivaramamurthi.
9. Tamil Guide to the Anthropology Galleries by C. J. Jayadev and M. Raghupathy.

The Manuscripts of the following publications were got ready for the Press during the year :

1. Dowlaishwaram hoard of coins by Prof. Balakrishnan Nair.
2. Guide to Pudukkottai Museum by M. S. Chandrasekhar.
3. Descriptive catalogue of Butterflies in the collection of the Madras Government Museum by S. T. Satyamurti.
4. Guide to the Mammal Gallery by S. T. Satyamurti.

*Popular Articles.*—The Superintendent contributed the following educative articles on subjects related to the Museum to the Journals noted against each during the year :—

1. Halls of Art in Europe.—The Hindu.
2. Museums of Germany and the Netherlands.—Journal of Indian Museums.
3. School Museums and Children's Museums—"School Science" published by Ministry of Education, Government of India.
4. Museums in the Federal Republic of Germany—Some observations.—Indo-German Review.
5. Lanterns in the Deep.—The Hindu.
6. The Snare of the Giant clams.—The Hindu.

*Facilities to Scholars and Research Workers.*—As usual, all necessary facilities were extended to scholars and research workers in studying museum material in the several sections of the Museum.

*Sale of Tourist Literature.*—The sale of a selected series of booklets issued by the Government of India Tourist Department at the Museum sales counter was continued during the year.



*Centenary Exhibition Hall.*—The following exhibitions and meetings were held at the Hall during the year under report :—

Serial number and name of the party or institutions requiring the Centenary Exhibition Hall.	Period of engagements.	Amount collected towards rent.	Purpose.
(1)	(2)	(3)	(4)
		RS. P.	
1 Mr. Thomas S. Cleveland, Cultural Officer, United States Information Service, 158, Mount Road, Madras.	11th to 25th April 1962.	75 00	Exhibition.
2 The Secretary, India—Bulgaria Friendship Society, Madras.	10th to 17th May 1962.	40 00	Do.
3 The Honorary Secretary, Archaeological Society of South India, Madras.	30th June to 4th July 1962.	25 00	Do.
4 The General Secretary, Social Sciences Association, Madras.	5th to 16th July 1962.	60 00	Do.
5 The Senior Marketing Officer, Southern Region, Madras.	1 day on 21st August 1962.	5 00	Seminar.
6 The South Indian Society of Painters, Madras-28 ..	9th to 11th November 1962.	15 00	Exhibition.
7 Do. ..	18th to 21st November 1962.	35 00	Do.
8 Sri V. G. Naidu, Chief Personnel Officer, Southern Railway, Madras.	2nd to 8th January 1963.	35 00	Do.
9 Sahitya Academy, Madras .. .. .	2nd February 1963.	3 00	Meeting.
10 South Indian Society of Painters, Madras .. ..	4th to 14th February 1963.	55 00	Exhibition.
11 Arts Club, Madras-3 .. .. .	23rd to 26th February 1963.	20 00	Do.
12 The Secretary, Madras State Lalit Kala Academy, Madras.	7th March to 16th March 1963.	50 00	Do.

#### ZOOLOGY SECTION.

*Addition to the collections.*—The following specimens were added to the collections during the year 1962-63 :—

1. The sacred sinistral chank (*Xancus rapa*).
2. The large sinistral shell (*Pyrula perversa*).
3. The Tussar silk moth (*Antheraea paphia*).
4. Parasitic worms—Nine varieties or types found in the body cavities of sheep, dog, horse, calf, etc.
5. The common Indian Bronze-back (*Ahaetulla tristis*).
6. The Rat snake (*Ptyas mucosus*).
7. The Black Bittern (*Dupetor flavicollis*).
8. The White-breasted Water hen (*Amaurornis phoenicurus*).
9. The skin of the Common kite (*Milvus govinda*).
10. The Mouse Deer (*Moschiola meminna*).
11. The Sambar (*Rusa unicolor nigra*).
12. The Four-horned Antelope (*Tetracerus quadricornis*).
13. The Bison skull (*Bibos gaurus*).
14. The Spotted Deer or Chital (*Axis axis*).
15. The skeletal parts (eleven pieces) of a female specimen of the Indian Elephant (*Elephas maximus*).
16. The Rabbit (*Oryctolagus cuniculus*).
17. The Common Hare (*Lepus nigricollis*).

18. The Short-nosed Fruit Bat (*Cynopterus marginatus*).
19. The Leopard Cat (*Prionailurus bengalensis*).
20. The Lion (*Felis leo*).

*Additional to the galleries.*—The following specimens were exhibited in the galleries during the year 1962-63 :—

1. The large sinistral marine shell (*Pyrula perversa*).
2. The Amherst Pheasants—one male and one female (*Chrysolophus amherstiae*).
3. The Mouse Deer (*Moschiola meminna*).
4. The Four-horned Antelope (*Tetraceros quadricornis*).
5. The Spotted Deer or Chitai (*Axis axis*).
6. The Rabbit (*Oryctolagus cuniculus*).
7. The Common Hare (*Lepus nigricollis*).
8. The Lion (*Felis leo*).

*Improvements to the galleries.*—All the boxes containing the different varieties of lac-products were repainted and after providing them with top glass covers, they were bound with calico and re-exhibited inside the sloping case, the interior of which was painted with suitable colour. Two new sericulture photographs were framed and fixed to the sloping cases containing the silk products in the Invertebrate gallery. The modernised show-cases which were attacked by termites in the Reptile gallery were reconstructed leaving a gap of about two feet wide along the back of the cases with the provision of a door and the snake specimen jars were rearranged on the pedestals fixed to the back of the two cases with brass L clamps specially prepared for the purpose. The crystal formation inside the Jungle Fowl Diorama was stopped by using anhydrous calcium chloride lumps. The show-cases containing the Rodents, Dolphin, Sea lion, Sea cow, etc., were re-arranged in the Mammal gallery so as to accommodate the Lion specimen in one of the large wall-cases and the contents of that case were transferred into two old cases, brought from the godown. The screws, holding the silver-framed mirror to the ornamented elephant tusks, exhibited in the skeleton gallery, were replaced with nuts and bolts for greater security. The painted panelling of all the four small dioramas kept in the Foreign Animals Gallery was replaced by teakwood plywood panelling and the old labels were replaced by freshly prepared ones. Six fishes, three wax casts of snakes, two tortoises, twenty birds, nine mammals and six mammalian skulls were renovated and re-exhibited in the respective galleries. Distempering of four sloping cases and one centre case in the Invertebrate gallery, ten sloping cases in the Fish gallery, two sloping cases in the Skeleton gallery and two centre cases in the Coral gallery was completed. Ten old discoloured Indian ink diagrams of Invertebrate specimens were replaced by freshly drawn sketches.

*Labelling.*—Eleven explanatory labels in English were prepared for those specimens which were not previously provided with such labels in the Foreign Animals gallery. Two explanatory labels in Tamil were also prepared and put up in the Foreign Animals gallery. Twenty-two old and discoloured explanatory labels were replaced by fresh ones. About one hundred and twenty reserve collection boxes containing shells were provided with freshly written labels and after giving a coating of wax mixed with naphthalene they were transferred to their respective drawers in the Invertebrate gallery.

*Preservation of Reserve collection.*—Personal attention was given by the Curator to the thorough cleaning and replenishing with fresh preservatives (rectified spirit or formalin as the case may be), of the large number of reserve collection jars. Old washers of some of the kilner jars were replaced by fresh ones. The labels written in Indian ink were pasted on the jars wherever the old labels were found defaced, discoloured and moth eaten. The cabinet drawers and boxes containing reserve collections of dry preserved insects were systematically provided with fresh lysol and camphor plugs and all the glass panes of these insect cabinet drawers were thoroughly cleaned while giving the preservatory treatment to the specimens. Provision of naphthalene balls and spray of "tik-20" was carried out systematically for the cupboards and drawers containing reserve collection boxes of dry preserved shells, corals, etc. The reserve collection of bird skins was examined periodically and provided with naphthalene powder and spray of "tik-20".



THE SAMBAR (*Rusa unicolor nigra*).



THE SPOTTED DEER (*Axis axis*).

**Research and publications.**—The Superintendent completed his manuscript on the South Indian Butterflies and continued his research work on South Indian Amphibians. Colour illustrations of butterflies were completed by the Artist-Modeller for the Bulletin on South India Lepidoptera. Experiments on the embedding of specimens in plastic and also on other types of preservation were conducted by the Curator who also continued his research work on the Family Acrididae. The Guide to the Lizards, Crocodiles, Turtles and Tortoises, prepared by the Superintendent was published during the year.

The Guide to the foreign animals, general zoology, skeletal exhibits and amphibians by the Superintendent was in the final stages of printing at the close of the year under report.

**Educational work.**—Special exhibitions of a pair of Amherst pheasants and the Four-horned antelope were arranged during the year. Two lectures were delivered by the Curator for the benefit of students of colleges in the city on 9th and 10th of August 1962. Museum demonstrations for the High school teachers were conducted in December 1962.

Facilities were provided to Sri D. N. Vishnui, Assistant Professor of Zoology, Allahabad University, and Sri G. J. Phanuel, Research Scholar, University of Madras, in connection with their research work.

**Deputation.**—The Curator was deputed to the Prince of Wales Museum, Bombay, for a period of two months (i.e., from 1st January to 28th February 1963) to study the methods of display and the general set-up of the Natural History galleries in the Museum.

**Plans for the year, 1963-64—Additions to the collections.**—It is proposed to add fresh specimens of parasitic worms, bird skins, mammals and fishes to the existing collections.

**Additions to the galleries.**—Fresh specimens of some fishes and mammals such as Sambar, Rhesus macaque, Nilghai, etc., which are not represented in the collections will be added to the galleries.

**Improvements.**—Four units of modernized show-cases will be constructed in the bird gallery in continuation of the present scheme of modernization in this gallery. Show-cases, with the exhibits, will be transferred to the new building temporarily till the modernized show-cases taken up for construction are completed. The almirah-type show-cases in the Invertebrate gallery will be remodelled. The Reptile gallery will be rearranged.

**Preservation.**—The usual routine preservatory treatment will be continued and the study collection of bird skins will be expanded.

#### BOTANY SECTION.

**Additions to the collections (including reserve).**—An evolutionary chart of plant life was attractively prepared in colour. An enlarged view of the cork cells in plants, was neatly sketched and added. One specimen of the female cone of *Cycas circinnalis* was collected. A sample of seeds of *Hevea braziliensis* (rubber tree), was presented by the Secretary, Rubber Board, Kottayam. A couple of pressed specimens of *Meliosma wightii* (bastard mango) were received as presents from Dr. J. T. Cornelius, No. 2, R.S.V. Naidu street, Madras-10.

Thirty-six samples of grains and three ear-heads of different strains of *Oryza sativa* (paddy) and samples of seeds of the three latest strains of *Sesamum indicum* (gingelly), three of *Ricinus communis* (castor), and six of *Arachis hypogaea* (groundnut) were purchased from the Agricultural department.

Other additions to the collections included four improved hybrids of *Saccharum officinarum* (sugarcane), four herbarium specimens of *Boehmeria nivea*, *Asteracantha longepanicum antedotale* and *Brachiaria mutica*, ear-heads of two strains of *Pennisetum typhoides* (cumbu) a sample of fibre of *Abutilon indicum*, and samples of improved seeds of *Zea mays* (maize), *Crotalaria Juncea* (sun-hemp), *Phaseolus trilobus* (pillipersara) and "Daincha" from the Agricultural department; and samples of bark, seeds and pressed specimens of *Cinchona robusta* and *C. officinalis* (cinchona plants) from the Cinchona department.

**Additions to the galleries.**—Besides one herbarium specimen and eight diagrams, the new additions to the exhibits in the Systematic Botany gallery were fluid-preserved specimens of *Arachis hypogaea* (the groundnut plant) showing root-nodules and underground



pod, *Raphanus sativus* (the radish) *Scilla indica*, *Solanum tuberosum* (the potato plant) and *Santalum album* (the sandalwood tree) showing root-parasitism—the last four being preserved with colour.

A new sub-section of plant Teratology was organized in the Systematic Botany gallery, with specimens and photographs showing abnormalities in plants and plant parts.

A colourful evolutionary chart of plant life, was added to the introductory series.

New additions to the exhibits in the Economic Products gallery, included two toy-dogs carved of the rhizomes of *Bambusa arundinacea* (the bamboo), a sketch of the enlarged view of cork-cells, six photographs and four specimens relating to *Saccharum officinarum* (sugarcane), one photograph of *Gossypium herbaceum* (the cotton tree), four photographs and seven specimens relating to rubber manufacture, two varieties of bark and seeds of *Cinchona robusta* and *C. officinalis* (the cinchona plants), a specimen of stem (culm) of *Calamus rotang* (Rattan cane), and newly-acquired samples of seeds of *Zea mays* (maize) and of *Ricinus communis* (castor).

*Improvements to the galleries.*—The tree-skeleton of *Santalum album* (the sandalwood tree), was barricaded with a wooden railing for protection. The exhibits showing the cross-section of the large trunks of *Tectona grandis* (the teak) and *Dalbergia latifolia* (the rosewood), were displayed in specially-designed show-cases, as also the rhizomes of *Bambusa arundinacea* (the bamboo). The toy-dogs carved of bamboo-rhizomes were displayed on glass pedestals.

Ten sloping cases in the Economic Products gallery were suitably rearranged. The walls of this gallery were given a coat of pale blue plastic emulsion paint to match the backgrounds of the modernised show-cases.

The interior of twenty-one show-cases was given a coating of green distemper, and that of one show-case a coating of blue distemper, in the galleries. Nineteen built-in show-cases were varnished and provided with concealed naphthalene boxes. Broken hinges of sixteen show-cases were renewed. The interior of seventeen show-cases was provided with cloth-lining. A collapsible cloth-screen to keep off the sun from the exhibits, was fixed up at the entrance to the Botany galleries.

*Labelling and preservation.*—Proper preservation of 74 new specimens was attended to. The state of preservation and display of 93 fluid-preserved and 363 herbarium and photographic exhibits in the Systematic Botany Gallery, was improved. Sixty-one new specimens and photographs relating to the bastard mango, cotton, sugarcane, rubber, cinchona, rattan cane, cereals and oil-seeds were neatly mounted for display. All the herbarium specimens and old textiles in the reserve collections, were aerated and liberally supplied with naphthalene balls. An old specimen of toadstool in the reserve collection was experimentally preserved in plastic and found to keep well. But the work could not be extended, however, owing to the cost and consequent non-availability of the chemicals.

Two hundred and fifty-seven painted index labels in the galleries were touched up and brightened. Eight old, long and stained labels describing the different cohorts in the Systematic Botany Gallery were replaced with their duplicates and the work of getting nine such labels reprinted was taken up. A total of 106 labels for the different exhibits, were printed and mounted. The display of 35 individual labels in the galleries, was also improved.

The built-in cases were provided with 21 case-labels with raised letters cut out of wood. Two hundred and sixty-seven index cards for the exhibits in the Economic Products gallery were prepared cancelling some of the out-dated ones; 938 such cards for the Economic Products exhibits were arranged in the alphabetical order, and 1,786 such cards for the Systematic Botany exhibits were arranged provisionally according to their show-cases, in a new Kardex cabinet.

*Research.*—The research work on Ferns was continued by the Curator.

*Publications.*—A popular article emphasising the importance of plants in the conservation of wild life, was published in the "Kataka", Volume II, No. 7, 1962, under the title "Union of the Dead and the Living". Arrangements for publishing an illustrated guide to the principal exhibits in the Government Museum, Pudukkottai, by Sri M. S. Chandrasekhar, were finalised.

Six issues of the "Travaux de la section scientifique et Technique" from the French Institute of Pondicherry, were received on exchange basis.

*Special Exhibitions.*—A special exhibition of 'Cork' showing the raw-materials, their source and the finished products of the cork industry, and detailing the different stages in the manufacture of cork products, was conducted from 1st September to 1st November 1962. The section participated in a special exhibition of "Man's quest for food" arranged by the Museum in connection with the UNESCO Week to celebrate the "Fight against Hunger".

*Lectures.*—A course of three lectures on "Beverages", "Special modes of nutrition in plants", and "Weeds and agriculture" were delivered to college students. A talk on the preservation and display of botanical specimens, was delivered to a party of students of the Diploma Course in Museology of the Baroda University; and a lecture on general principles in the galleries was delivered to a party of the M.A. degree and post-graduate students of the University of Madras; and a demonstration lecture in the public galleries was delivered to a batch of High school teachers.

*Facilities to research workers and others.*—Facilities were afforded as usual to research workers and others, among whom may be mentioned Dr. J. T. Cornelius, Director of Public Health (Retired), Lucknow; Dr. C. Gajapathy, formerly of the Botanical Survey of India, Prof. Jayaraman of the Alagappa Chettiar College, Karaikudi, and Sri Govindarajulu of the Presidency College, Madras.

*Photographs added.*—Five photographs of new show-cases, twenty-two photographs of some of the exhibits of the coffee, tea and cocoa series in the galleries, and four photographs of a model (under construction) showing the principal divisions of the plant kingdom, were added. Ten photographs depicting the latest methods of cultivation of paddy were purchased from the Agricultural department.

Forty-five lantern slides, pertaining to agricultural, industrial and general Botany, were also prepared for illustrating lectures.

*Plans for the year 1963-64.*—*New additions to the collections (including reserve).*—A small model to illustrate the principal divisions of the plant kingdom, will be prepared.

*New additions to the galleries.*—A small model illustrating the principal divisions of the plant kingdom, will be exhibited.

*Improvements to the galleries.*—The blank spaces under the vertical show-cases in the Systematic Botany gallery, will be converted into cupboards. The central part of the Economic products gallery, will be furnished with modernised show-cases which will complete the modernisation of the entire gallery in respect of show-cases.

*Research.*—The work on Ferns will be completed.

*Publications.*—A bulletin on South Indian Ferns will be published.

*Special Exhibitions.*—A special exhibition of "Paper manufacture" will be conducted.

#### GEOLOGY SECTION.

*Additions to the collections.*—The following specimens were added to the collections:—

Specimens of sillimanite, chalcopyrite with pyrite and pyrrhotite, lepidolite, kyanite, dumortierite, fuller's earth, fluorite, chromite, malachite, tourmaline, rhodonite associated with braunite, sodalite, apatite, hematite, dolomite, triplite, allanite, anorthosite, anorthosite-elenczoisite-corundum gneiss, calc-granulite, pitchstone, phyllite, cordierite, granulite nepheline syenite, nepheline syenite and amphibolite were acquired for this museum as gifts from the Geological Survey of India, Calcutta. Specimens of lean clay (3), medium clay, sand, sandy loam (3) sandy clay, sandy clay loam (3) well graded sand, poorly graded sand, fat clay, gravel with excess of sand fines, gravel with excess of clay fines, inorganic silt, silt, silty clay and sand with excess of silty fines were acquired from the Chief Engineer, Public Works Department, Chepauk, Madras. Specimens of magnetite, bauxite, calcite, china clay, mica and quartz (milky) were obtained from the Department of Industries and Commerce, Guindy, Madras.

*Additions to the galleries.*—Specimens of malachite, chalcopyrite, triplite, allanite, dumortierite, lepidolite and cordierite were added to the Mineralogy galleries. Specimens of nepheline syenite, anorthosite, pitchstone, phyllite and red ochre were added to the

exhibits under Petrology. Specimens of kyanite, sillimanite, bauxite and magnetite were added to the Economic Geology galleries. The Geological map of India and the Geological map of Madras showing the mineral occurrences were framed and fixed in the gallery.

*Improvements to the galleries.*—All the iron ore specimens exhibited under Economic Geology were provided with plaster of Paris pedestals. Forty-three fossil specimens exhibited under Palæontology were mounted on wooden pedestals. The contour model of Madras and Chingleput districts was repainted. The interiors of two vertical cases and the cloth lining in 11 table cases and 9 sloping cases were distempered. The map of South India showing the chief deposits of lignite and iron ore exhibited in the gallery was renovated. All the exhibits belonging to precious and semi-precious stones were mounted on a neat background. Thirty-one exhibits in the different galleries were glass bound in wooden trays and re-exhibited. The interior of each tray was also provided with a neat background. The background in three trays containing anatase powder and vermiculite mica (2) were changed. The map of the present world, the climatic map of the world and the maps of the world during the Devonian, Carboniferous, Triassic, Jurassic, Cretaceous and Quaternary periods were mounted on a suitable background, re-bound and re-exhibited in the gallery. The photographs of Stegosaurus, Trachodon, Gold washing, Kargali coal fields and Jharia coal fields were also similarly mounted and re-exhibited. Specimens of spinel and gibbsite were provided with fresh cotton. Wooden pieces were fixed near the legs of three table cases in order to prevent them from sliding on the table.

*Labelling and preservation.*—The unilingual index labels for General Geology, Minerals and Rocks were changed into bilingual ones. Thirty-eight index labels in the various galleries were repainted. Labels of five serpentine stones were touched up. Two hundred and thirty-two old labels in the various galleries and 53 hand-written labels in the reserve rock collections were renewed. The typed-cum-hand-written bilingual descriptive labels for pencil manufacture, South Arcot Lignite and Rock salt were replaced by printed ones. The descriptive label for volcano was rebound as its binding was destroyed by insects. The climatic map of the world, the map of the present world and the maps of the world during the Devonian, Carboniferous, Triassic, Jurassic, Cretaceous and Quaternary periods were provided with bilingual labels. Photographs showing Trachodon, Stegosaurus, Gold washing, Kargali coal fields and Jharia coal fields were provided with fresh bilingual labels. Specimens of molybdenite, marcasite and pyrite were preserved. A photograph of Gangotri Glacier, a map showing the ice ages of the past and the descriptive labels for glaciers were cleaned and re-exhibited as they were spoilt by the rain water trickling from above. Index cards were prepared for 286 exhibits.

*Research.*—(1) Thirty-two specimens sent by the Curator, Government Museum, Pudukkottai, were identified and returned to him.

(2) Six rock specimens and one mineral specimen in the reserve collection were identified.

(3) The work of classifying and arranging all the labelled mineral specimens in the reserve collection was completed and classification and arrangement of the labelled rock specimens was taken up.

(4) A specimen of a green stone received from the District Revenue Officer, Madurai, was under examination.

*Publications.*—An illustrated guide to the exhibits in the Geology gallery was under preparation.

*Educational work—Special exhibition.*—A special exhibition of iron ores was organised.

*Lectures.*—Three lectures on " Petrofabric analysis ", " Coal " and " Gem stones " were delivered by the Curator to the College students in the city. He also delivered a demonstration lecture in the Geology gallery to a group of High School teachers.

*Facilities to research workers and others—*

(1) Information on gem stones and graphite were furnished to Sri V. C. T. Alagappa Chettiar, Chettiar of Calamee South Traders, No. 116, Lingha Chetty Street, Madras-1. Three specimens brought by him were also identified.

(2) World maps during the various geological periods were shown to Sri T. L. Ambrose.

(3) Information on limestone rock was furnished to the Curator, Chemical Conservation Section, Madras Government Museum.

*Tours.*—The Curator undertook a tour to the gravel beds at Vegavati in Kancheepuram and to the flint deposits at Vedanthangal.

*Photographs added.*—During the period under report, the following photographs were added :—

1. Anthracite.
2. Peat.
3. Formation of a valley.
4. A river-formed barrier.
5. A drowned valley.
6. A hanging valley and falls.
7. Water fall.
8. Oxbow cut-off.

*Plans for the year 1963-64.*—*New additions to the collections.*—A specimen of dunite is proposed to be added.

*Additions to the galleries.*—

1. A specimen of amphibolite will be added to rocks.
2. Various types of soils occurring in Madras State will be exhibited.
3. A specimen of chromite will be exhibited under refractories.

*Improvements to the gallery.*—The interiors of some of the vertical cases will be distempered. The railing at the far end of the gallery will be varnished. Pedestals will be provided for some specimens.

*Labelling.*—The sub-index labels for General Geology will be re-painted. The old and discoloured labels will be renewed. Bilingual labels will be provided for a few more exhibits. The typed or hand-written labels will be replaced by printed ones.

*Special Exhibition.*—A special exhibition of refractory minerals will be arranged.

#### ANTHROPOLOGY SECTION.

*Additions to the collections.*—I. The following Ethnographic materials were added :—

1. Two porathies from Point Calimere, collected by the Curator during his field trip.
2. Eighteen pieces of Brohi dress, jewellery, etc., purchased from Sri Rawal Das.
3. Two busts of Kadar (man and woman) (prepared).
4. Two rings purchased from Sri P. V. R. Naidu.

II. The following arms collection were added :—

1. Two pen pistols.
2. One sword with a brass hilt marked with letters " R.C. " purchased from Sri P. V. R. Naidu.
3. One double-barrelled breech-loading gun presented by Sri G. Joseph of Vepery.
4. One thumb-bell from the Tahsildar, Pattukkottai, as Treasure Trove.

III. The following arms collections were added :—

1. Three palaeolithic hand axes from Attirambakkam, presented by Sri Sethuraman, Director of Telegraphic Stores, Madras.
2. Three neolithic celts from Mohanur, Salem district, were presented by Sri Balasubramaniam, Board High School, Mohanur.
3. Eleven glass beads as Treasure Trove objects from the Joint Collector, Coimbatore.



IV. The following gold articles were added as Treasure Trove objects :—

1. A pair of gold ear-rings.
2. Three gold Mugappus.
3. Ten talismans.
4. Five loose Corallum (species) pieces.
5. Three silver rings.
6. Four gold pieces forming a part of a chain.

*Work in the galleries.*—Moth-eaten labels in the galleries were replaced. All the four figures in the Kathakali gallery were freshly painted and renovated. Wooden railings were provided for the Kathakali case and the ceiling of this gallery was renovated. Newly acquired fresh reproduction models were exhibited in a redesigned case. The railings of sarcophagi, the Meriah sacrifice post, and the stands of two burial urns were varnished. One vacant case in the Ethnology gallery was used to exhibit the mimic plough, hand cart and the block and chain specimens. The Kathakali case was provided with bold cutout captions.

*Improvements to the galleries.*—Khaki canvas screens were provided for the windows in the Ethnology room. Periodical cleaning and dusting of the cases and the exhibits was done and some cases were provided with pale cream coloured background. Leakages in all the galleries were attended to by the Public Works department.

*Preservation of reserve collection.*—The following objects were preserved chemically :—

1. Adichanallur Bronze female figurine.
2. Twenty-two Ethnological bamboo specimens.
3. One copper coin of Bruce Foote collection.
4. Two spindle whorls of Ethnological nature.
5. Two bronze vessels of Adichanallur.
6. One chain armour from Thanjavur.

*Research.*—Work pertaining to the study of the Adivasis of Kodikkarai was continued.

*Training and Lectures.*—Training was imparted to Sri J. D. Chelliah to handle the microfilming equipment. The newly appointed guides were given training on the Anthropological exhibits of the Museum.

The following lectures were delivered by the Curator :—

1. Three lectures for the benefit of the college students.
2. Twelve lectures for the students of Madras University (Department of Anthropology).
3. One lecture for the students of the M.A. degree course in Archaeology.

*Facilities to research workers.*—The following scholars and students were rendered facilities to study the materials, in connection with their research work :—

1. Dr. K. D. Banerjee, and Sarva Shri Raghunath, Krishna Rao, and Popardikar. Archaeological Survey of India, to study the prehistoric collections.
2. Sri V. R. Ramanatha Iyer, Madras, to study Bruce Foote collections.
3. Sri L. A. Krishna Iyer, Palghat, to study the prehistoric collections of Kerala.
4. Sri Kami Reddy Solomon, Chittoor, to study the tribes of Andhra.
5. The Rev. E. O. Shaw, Chingleput, to identify some Japanese porcelain.
6. Dr. W. H. Newall, International Christian University, Mitaki, Tokyo, to examine Ethnological collections.
7. Mrs. V. G. Srinivasan, Madras, to study dolls.
8. Sri R. Balasubramaniam, Coimbatore, to collect the data on impact of education on the tribes.
9. Sri T. V. Sarma, Madras University, to study methods of preserving Anthropological specimens.

10. Dr. J. T. Cornelius, Madras, to study the Todas of Nilgiris.
11. Dr. Y. D. Sharma of the Director-General of Archaeology's office, New Delhi, to study the prehistoric collections.
12. Mr. and Mrs. Willard Johnson of Oberlin College, Ohio, to study primitive art.
13. Sri T. G. Aravamudhan, Madras, to study the Adichanallur bronze materials.
14. Sarva Shri K. V. Raman and Nambhiraju, Archaeological Survey of India, Southern Circle, Madras, to study the Adichanallur potteries.
15. Sri B. R. Subramaniam, Ph.D., student, M.S. University, Baroda, to study South Indian iron age burials.
16. Miss Premalatha, University of Madras, to study musical instruments depicted in the Moherjodaro seal collections in the Museum.

*Publications.*—The "Catalogue of Musical Instruments in the Madras Museum" by Professor Sambamoorthy was reprinted. The script of the guide book to Anthropology galleries and collections by Sri C. J. Jayadev, was completed. The Tamil version of the above guide was in the final stages of printing. A paper each on "Tali rite in South India" and "Attapady Tribes (Mudugas and Irulas)" is under preparation by Sri C. J. Jayadev. A note on the Ethnographic collections of this Museum was published in the Souvenir of the Social Sciences Association. A note on linguistics was contributed to the Souvenir of the Y.M.C.A. Institute of Languages.

*Tours.*—The Curator undertook the following study tours:—

1. Kodikkarai—Thanjavur district, to study Adivasis.
2. Calcutta, to get back the skulls of Adichanallur, and on deputation for a period of three months for training in the Anthropological Survey of India.
3. Kanchipuram, to study gravel beds at river Vegavathi.
4. Tiruttani, to inspect some treasure-trove items.
5. Thirumudhivakkam, to inspect megalithic burials.

*Photographs added.*—During the year, 80 negatives ( $2\frac{1}{4}$  inches by  $2\frac{1}{4}$  inches size : 34,  $\frac{1}{2}$  size : 28, ( $\frac{1}{2}$  size : 18) and 80 photographs ( $\frac{1}{2}$  size : 18,  $\frac{1}{2}$  size : 28,  $2\frac{1}{4}$  inches by  $2\frac{1}{4}$  inches size : 34) were added to the negative collections and photographic albums respectively.

*Special Exhibitions.*—The section organised the special exhibition sponsored by the Social Sciences Association, commemorating Dr. L. A. K. Iyer's Birth Centenary. The Section also participated in the special exhibition organised by the Archaeological Society of South India in which the prehistoric and protohistoric materials from several foreign countries were exhibited. Another special exhibition of Indian and foreign musical instruments was organised with the help of photographs given by Sri S. Krishnaswami of the All-India Radio, Vijayawada, and some rare instruments by the Sangeetha Vadiyalaya, Madras. The section also organised the "Quest for Food" special exhibition sponsored by the UNESCO.

*Plans for the year 1962-64.*—The work on Adivasis of Kodikkarai, Thanjavur district, and the catalogue of Arms will continue. Anthropometric survey of South Indian tribes will be taken up during the course of the year.

*Improvements to the galleries.*—It is proposed to instal modernised built-in cases with concealed fluorescent lighting for the exhibits displayed in the two rear rooms of the Ethnology Gallery in the first floor.

#### NUMISMATICS SECTION.

*New additions to the collections:—*

(A) *Treasure Trove.*—1. One hundred and ninety-three silver punch-marked coins from Thayirapayam village, Erode taluk, Coimbatore district.

2 Twelve silver coins.—eleven rupees of Tipu Sultan and one Arcot rupee of Shah Alam II, from Odanthurai village., Avanashi taluk, Coimbatore district.

3. Forty-four silver coins—18 Arcot rupees of Alangir II, 24 Arcot rupees of Alangir II, twenty-four Arcot rupees of Shah Alam II and two quarter star pagodas of the English East India Company—from Ayankuruvithurai village, Nilakottai taluk, Madurai district.

4. Eleven gold old star pagodas of the English East India Company, from Sevathur village, Tirupathur taluk, North Arcot district.

(B) *Purchase*.—5. Seven Indo-British copper coins—one  $\frac{1}{2}$  pice of George V, one  $\frac{1}{4}$  pice of George VI, two  $\frac{1}{12}$  annas of George V and three  $\frac{1}{12}$  annas of George VI—from Shri N. Paramasivam, Madras.

6. One bronze medal of Syracuse (Greece) of the 4th Century B.C., one copper Indo-British medal issued in commemoration of the visit of the Prince of Wales to Bombay in 1921, from Shri P. V. R. Naidu, Madras.

7. Seventeen copper coins belonging to France, Palestine, Australia, British East Africa, Spain, U.S.A., England and Sarawak, two French, colonial medals, one Indo-British Star medal of 1914-15 and one Minimum Weight standard for the British Sovereign—from Sri P. V. R. Naidu, Madras.

8. One British Half Crown piece of Victoria from Shri J. Sivarajan, Madras.

9. One silver coin of Rajendra Chola with the title of Gangaikonda, one brass medal issued for the death of Frederic, Duke of York in 1827 and 27 copper foreign coins, from Shri M. R. Shanmugham, Madras.

10. One bronze, eight brass and one lead medal issued by the British in India, from Shri P. V. R. Naidu, Madras.

*Work in the section*.—The coins acquired during the year were examined, identified, classified and transferred to their respective stock registers.

*Educational activities*.—The sale of surplus original coins and sets of metal casts of coins illustrating the history of Indian coinage was continued.

*Research*.—The Curator commenced the study and examination of South Indian copper coins with a view to prepare a catalogue.

*Publications*.—The manuscript of Mr. T. G. Aravamudhan's bulletin on Roman and Byzantine coins was sent to the Government Press for printing.

The printing of Professor Balakrishna Nayar's bulletin on the Chola and Eastern Chalukyan coins has been taken up.

*Special Exhibitions*.—A special exhibition of selected original coins in India, plaster casts of coins and charts and enlarged photographs was put up at the exhibition arranged during the Silver Jubilee celebrations of the Archaeological Society of South India.

*Lectures*.—The Curator delivered lectures on Indian coins to the M.A. degree students in Archaeology of the Madras University and to the teachers of High schools in the City of Madras. Besides he delivered a series of two lectures—on the Chola and Pandya coins and on the coinage of the English East India Company—to the College students in the City.

*Facilities to research scholars and others*.—Mr. C. Valdetarro of Calcutta was given facilities to obtain information on Indian coins.

*Photographs added*.—Seventeen  $\frac{1}{4}$ -size and  $3\frac{1}{2}$ -size photographic negatives were added. Eighteen lantern slides of coins of the Cholas, Pandyas and the English East India Company were also added.

*Tours*.—The Curator went on tour to Palayamkottai to examine a private collection of coins with a view to determine their purchase for this Museum.

*Plans for the year 1963-64*.—*Improvements to the gallery*.—A separate gallery for Numismatics has been sanctioned and it is proposed to construct the building in the current year.

*Publication*.—A catalogue of the South Indian copper coins of the later period will be prepared.



TIRUMANGAI ALVAR (BRONZE)  
Kalpattu, Villupuram taluk, South Arcot district



TRIPURANTAKA (BRONZE)  
Vallam, Thanjavur taluk, Thanjavur district



## ARCHAEOLOGY SECTION.

*Additions to the collections—*

1. Plaster cast models of several excavated sites at Nagarjunakonda, Andhra Pradesh.
2. A set of replicas of Harappan antiquities.
3. A set of twenty casts of sculptures in the National Museum, New Delhi, illustrating Indian sculptures through the ages.
4. Buddha (stone) from Suthamalli, Tiruchirappalli district.
5. Mahavira (stone) from Puliyur near Kodambakkam, Madras.
6. A group of Vaishnavite bronzes from Kalpattu, Villupuram taluk, South Arcot district, two Vishnus, a Krishna and a Tirumangai Alwar.
7. A copper chakra from Perumardur, Arantangi taluk, Thanjavur district.
8. A Tripurantaka from Vallam, Thanjavur district.
9. A set of twelve etchings were presented to the Museum by Mr. Johannes Braner.
10. A Roman vase and a porcelain dish were purchased from a local dealer.

*Work in the galleries.*—The bronze image of Chandikesvara from Tiruvenkadu was exhibited in the Saivite Gallery. The construction and installation of modernised built-in-cases in the Industrial Art and Metalware Gallery was partly completed. The work of repairing the ornamental false ceiling was completed in the same gallery. The cloth linings of the show cases at the entrance to the bronze gallery containing Nataraja images were renewed and the interiors of all the show cases in this gallery and the adjoining Buddhist Gallery were painted.

*Labelling.*—Most of the old labels in the Saivite, Vaishnavite and Buddhist bronze galleries were replaced by aluminium labels. The labels in the Amaravati gallery were bleached. Over sixty labels in the bronze and stone sculpture galleries were renewed.

*Special Exhibitions.*—The section participated in the following exhibitions:—

1. The Special exhibition arranged in connection with the Silver Jubilee of the Archaeological Society of South India.
2. A number of exhibits were loaned out to a special exhibition organised at Ilayathangudi by Sri Sankaracharya of Kamakoti peetam.
3. Three copper plates with the show case were loaned for the High Court Centenary Exhibition.
4. Enlarged photographs of temples were loaned to the exhibition organised by the Devasthanam of Sri Kapaleeswara temple, Mylapore.
5. A special exhibition of the Mughal and Rajasthani paintings and Jain and Buddhist manuscripts presented by Mr. V. T. Krishnamachari.

*Research.*—The Curator continued his study on the Gopuras of Chidambaram.

*Publications.*—The following three publications were reprinted:—

1. The three main styles of temple Architecture.
2. Early Eastern Chalukyan sculptures.
3. Sculptures from a stupa near the village Goli.

A set of four colour picture post cards of select paintings and photographic albums illustrating Indian Art by sculptures and bronzes were prepared for sale.

The following publications were under print during the year:—

1. The Bronzes of South India.
2. Nolamba Sculptures in the Madras Museum.

*Lectures.*—The Curator delivered a lecture to the Post-graduate students of Archaeology of the University of Madras and two lectures to the University students.

*Facilities to Research workers and others.*—Research facilities were offered among others to :—

(1) Mr. Robert Skelton of the Victoria and Albert Museum.

(2) Professor Allen Atwell, Associate Professor of Art, Cornell University, United States of America.

(3) Sri P. R. Srinivasan, Assistant Superintendent for Epigraphy, Archaeological Survey of India.

*Tours.*—The Curator visited Ilayathangudi to participate in a seminar on the Agamas and arrange an exhibition. He visited Pudukkottai to hand over charge of coins.

*Plans for the year 1963-64.—Work in the galleries.*—1. The re-organisation of the Metalware gallery.

2. The Bronze Gallery in the front building will be shifted to the new building.

3. Two show cases will be prepared for exhibiting the sculptures of "Nalagiri" and "Court scene" from Amaravati

4. All the paintings in the Picture Gallery will be provided with frames.

5. Aluminium labels for the Amaravati, Jain and Metalware Galleries will be provided.

6. To make thirty sets of bronze replicas of the famous Rama and Sita from Vadakkuppanayur for sale.

7. The Indexing of all the exhibits.

8. To frame and exhibit copies of the Mural paintings from Chidambaram, Srirangam and Tiruvarur.

*Publications.*—Reprinting of the following publications :—

(a) Indian Epigraphy and South Indian Scripts.

(b) Nagapattinam Bronzes.

The following monographs will be got ready for printing :—

(a) Catalogue of Copper Plates and Stone Inscriptions in the Madras Museum.

(b) Catalogue of Stone Sculptures in the Madras Museum.

#### NATIONAL ART GALLERY, MADRAS.

*Acquisitions.*—The acquisitions during the year under report included (i) five miscellaneous modern paintings, and (ii) a set of over sixty-five Mughal and Rajasthani paintings and Buddhist and Jain manuscripts presented by Sri V. T. Krishnamachari.

The following are the new acquisitions made to the National Art Gallery during the year :—

1. *Holi Dancers.*—A painting depicting two women, one carrying a twig and the other flowers, etc., on a plate on her head. The painting is on silk and bears the initial of the artist, Gawri Bhanja.

2. *Reapers.*—A painting in poster colour on paper, representing four men engaged in harvest. Length 1 foot 11½ inches; breadth 2 feet 9½ inches; by Kamala Mittal.

3. *Entrance to temple gate.*—A painting on paper in water colour representing a gateway entrance of a temple. Length 2 feet 2½ inches, breadth 1 foot 9 inches; by R. Krishna.

4. *Fisher woman.*—A painting on cardboard depicting fisherwoman carrying fish. Length 2 feet 8 inches, breadth 2 feet 1½ inches; by K. Srinivasulu.

5. *Pongal festival in a village.*—A painting in oil depicting a folk dance in a village. Length 1 foot 10½ inches, breadth 2 feet 4½ inches; by Perumal.

6. *Mughal and Rajasthani paintings.*—The following paintings were presented by Sri V. T. Krishnamachari—

(a) *Album No. 1.*—Separate miniature paintings 1 to 10.

(b) *Album No. 2.*—Nineteen Rag-Ragini paintings.

(c) *Album No. 3.*—Eighteen Rajput paintings and seven specimens of calligraphy.

- (d) *Vijnaptipatra*.—A Jain document of confession.
- (e) *Ashtasaharika Prajnaparamita*.—A Buddhist manuscript with paintings of Dhyani Buddha and others on the cover plank.
- (f) *Dasasrutaskanda*.—An illuminated Jain manuscript.
- (g) *Four paintings*.—Four loose paintings with writings. One painting depicts the wise man and mango tree, another Aswamahara and others carry mythological scenes.
- (h) *Viprabahda Nayika*.—A painting depicting Viprabahda Nayika with a Sanskrit verse on the back.
- (i) *One manuscript*.—With pali writing on both side of a thick black cardboard.

*Improvements*.—Twenty labels were renewed and two ivory caskets chemically treated and re-exhibited. Two paintings of Ravivarma and a Textile were sent for treatment in the Chemical Conservation section. The work of revising the Guide book to the National Art Gallery was taken up.

#### EXTRACTS FROM THE DISTINGUISHED VISITOR'S BOOK OF THE NATIONAL ART GALLERY.

- 22nd August 1962. Sri V. T. Krishnamachari, M.P. Formerly Deputy Chairman Planning Commission, Government of India. Delighted to have an opportunity of seeing this wonderful collection.
- 3rd November 1962. Professor Louis Ross, Harvard University, U.S.A. Our only regret is lack of time adequately to appreciate these rare beauties.
- 19th January 1962. Abdul Majid, Boothman, Leader of the Malayan Cultural Delegation to India. We are very grateful to the authorities for having given us the opportunity to visit this Gallery.
- 11th March 1963 .. Paul Engle, U.S.A. .. .. . The greatest Nataraja in the world.

#### EXTRACTS FROM THE ORDINARY VISITORS' BOOK OF THE NATIONAL ART GALLERY.

- 29th May 1962 .. Mr. and Mrs. S. P. Singh, Judge, Patna High Court, Patna. The Art Gallery is fine indeed.
- 26th November 1962. Mr. and Mrs. N. J. Rich, Belvedere, California, U.S.A. A very beautiful and well kept collection.
- 14th January 1963. S. S. Granata, U.S.A. .. .. . Educational.
- 16th February 1963. Mr. and Mrs. K. C. Von Lactum, Waterloo, U.S.A. Entirely different from anything we have seen; very beautiful.

#### CHEMICAL CONSERVATION SECTION.

Sixteen bronze images had been taken up for electrolytic treatment in the course of the year. Of them seven have been treated completely and protected from further corrosion by being given coatings of celluloid in amyl acetate and acetone. The other nine are under treatment. Four other bronzes were cleaned of mud hiding the details. One bronze figurine from Adichanallur was also electrolytically treated.

Twenty-five wood carvings covered with tarry material which effectively hid all details, were cleaned with sodium carbonate solution and all the artistic details were thus brought out. They were coated with paraffin wax to protect them against any decay hereafter. Twenty-two bamboo articles were cleaned and coated with castor oil in rectified spirits to stem the brittleness arising in them.

One big chain armour from the Arms Gallery was taken up for cleaning. It presented a serious problem of containing rust. It was gently treated in the electrolytic cells and then with batches of warm caustic soda solution and oxalic acid separately. Since none of these inhibited the formation of rust, a coating of twice distilled linseed oil was given and found to be most suitable.

Three copper and two silver coins were cleaned. The cleaning of 42 lead coins was taken up.

Great attention was paid to the organisation of the laboratory. Equipment like a rectifier, an air oven, and a water still were purchased out of Government of India's grant. The provision of water and gas piping for the Laboratory was taken up in March 1963.

Three reports—one on “ Museum Objects in Humid and Hot climates ” another on “ Electrolytic restoration of Metals ” and a third on “ Study of Stones ”—were prepared and sent to the International Council of Museums.

Lectures on different topics in Chemical conservation were given to students of the Archaeology course in the Madras University as well as to college students.

Studies of humidity and temperature conditions in the galleries and their relation to the preservation of objects were taken up.

#### CHILDREN'S SECTION.

##### *Additions to the collections.—*

The following additions to the collections were made during the year :—

1. A set of seven miniature Kathakali models made of papier mâché purchased from Barathia Art Works.
2. A set of eight enlarged models of different varieties of bacteria mounted on a board.
3. One lot of dry preserved *Usnea*.
4. One doll's house made of wood, about six feet in height.

*Additions to the gallery.*—The twelve dolls illustrating the four classical Dances of India were transferred to the Children's Gallery and exhibited in an illuminated case. Five show cases in the Gallery were repainted, the exhibits inside them rearranged, and the old handwritten labels replaced by new printed ones. The routine work of cleaning the cases and exhibits in the gallery was attended to. A programme of school visits to the Children's gallery was drawn up and the first two batches were taken round the gallery in August 1962. Two new show cases were purchased from the Wood Working Unit for the display of exhibits relating to the Plant Kingdom and models of a dissected reptile and fish.

*Special Exhibition.*—A special exhibition of the seven miniature Kathakali models was held from February 7, 1963 to March 29, 1963. This exhibit was later transferred to the Children's gallery as a permanent exhibit.

*Photographs added.*—Four photographs of the dolls illustrating the classical dances of India and two photographs of the Kathakali models were added during the year.

#### ADMINISTRATION REPORT OF THE GOVERNMENT MUSEUM, PUDUKKOTTAI.

##### GENERAL.

*Administration.*—Sri M. S. Chandrasekhar who was the Curator till the close of August 1962, was transferred as Curator, Botany section, Government Museum, Madras. Sri M. Raghupathy, National Art Gallery Guide, was transferred as the Curator, Government Museum, Pudukkottai.

*Visitors.*—The number of visitors during the year 1962-63 was 188,860 with a daily average of 670 persons.

The total number of visitors in the last year 1961-62 was 174,413 and the daily average was 612.

*Distinguished visitors.*—Most of the distinguished visitors, who happened to pass through Pudukkottai, never failed to visit the Museum. Mr. R. Colaco, District Sessions Judge, Tiruchirappalli, paid a visit on 16th February 1963 and appreciated the collections and display of this Museum.

*Extra-mural activities and assistance to educational institutions.*—Assistance to the educational institutions in and around Pudukkottai was afforded as usual, and about 84 institutions were benefited. Facilities to research scholars and others were provided as usual. Facilities were provided for Sri Panchanatham Pillai, a member of the Hindu

Religious Endowment Board to gather information on Pudukkottai Manuals and other Inscriptional records about "Tirugokarnam". The Curator accompanied Mr. Skelton, a research scholar from United Kingdom to Panagudi temple, Sitannavalai, Kodumbalur and Narttamalai, and explained to him the historical and archaeological importance of those places. The Curator inaugurated the Social Service League in the B.T. College, Pudukkottai in September 1962 and gave a talk in English on "Vanamahotsava" to the B.T. College. A lecture on "Wild life" was given to the students of the B.T. Colleges, Pudukkottai in the Museum premises, while taking them around the Zoology galleries. The Curator also gave a talk on "United Nations Day" on the occasion of the "U.N.O. Day" celebration at the District Board High School, Thirugokarnam, Pudukkottai. In March 1963 he presided over the Annual day celebrations of T.E.L.C. High School, Pudukkottai, and distributed the prizes to the students.

**Galleries, Buildings and Gardens.**—There was a regular rearrangement of the show cases in all the galleries. A number of show cases were provided with wooden basement panelling. All the show cases were thoroughly cleaned and some of them were rendered insect-proof. The inside of the show cases was painted with colours to match the exhibits in them. A number of old labels were renewed. The general appearance of the galleries was improved considerably.

Extensive special repairs were carried out to the buildings to provide additional security to the exhibits. The fixed iron gate in the western wing of the building was converted into a movable gate, providing facility for the night watchman to guard the western side. All electrical fittings that were loosely hanging from the walls and ceiling were securely fixed.

The gardens were improved considerably, and they maintain their charm and usefulness. Twenty-six flower beds were newly provided, for colourful flowers like *Balsam*, *Cosmos*, *Sensation*, *Marigold*, *Sun flower*, *Dahlia*, *Zinnia* and *Lady Lace*. Two *Potos-aureus-creepers* were purchased from Madras.

Two *Revanela madagascariensis* were purchased from Raja Nursery, Madras, to decorate the two rear sides of the Museum buildings.

The post of peon-cum-gardener was replaced by a full-time gardener from 1st September 1962. The back portion of the garden was converted into a place of resort for the visitors, by removing the uneven rocky surface. To lighten its beauty many croton plants were provided. Garden tools like hand trowels, garden scissors, etc., were purchased. About two hundred pots and ten cart loads of manure were purchased.

### WORK IN THE SECTIONS.

**Geology.**—The exhibits in the geology gallery were rearranged according to their proper classification. The large handwritten cellophane bound labels in the animal fossils case were replaced by neat, small, typewritten, glass-bound labels.

**Botany.**—The exhibits and show cases in the gallery were slightly rearranged for providing proper sequence and more moving space. The loosely standing wooden specimens were firmly fixed to their wooden plank. The labels of the wooden specimens were firmly fixed in them. The specimens of timber used for making agricultural implements (mounted on wall board) were cleaned and were given a fresh coat of varnish. All the herbarium cases were rearranged in a straight line.

Discoloured pictures showing the flora of India were removed and a few specimens were remounted on a plywood background.

Ninety-two herbarium specimens illustrative of various types, were presented by C. Ramamurti, and these were kept in the reserve collection.

**Zoology.**—The Crustacean specimen jars in the Coelenterata show cases were exhibited in the Arthropoda section along with the dry crustacean exhibits, to ensure proper systematic sequence.



In the Fish gallery, five South Indian Siluriform fishes and eight Cyprinoid fishes, purchased from the Superintendent, Marine Biological Station, Ennore, were added, and the old and faded, unidentified fishes were removed. Six eggs of marine turtles were procured from the Marine Biological Station, Ennore, and exhibited in the Turtle show case.

In the Reptile gallery, the reptilian cases were rearranged so as to allow more moving space in the centre for visitors. The small reptilian cases containing cobras were rearranged to enable the visitors to see and study the different sides of the cobra. A good-sized specimen of Russell's viper was purchased from Alagappa College, Karaikudi, and was mounted and exhibited in the Reptile gallery. A Chameleon of medium size was purchased locally to renew the old, faded one. A stuffed specimen of a Koel and an Owl were exhibited in the gallery, with typed labels.

All the spirit specimen jars in the fish, reptilian and invertebrate show cases were refilled and bladdered afresh.

The Whale's Lower jaw bone, lying loose in the rear verandah of the museum was cleaned and mounted as an arch in the entrance to the Mammal gallery. A sketch of the head of a Four-horned antelope was prepared in Indian Ink, and was exhibited by the side of the skeleton of the Four-horned antelope, in the Skeleton gallery.

The show case containing the palm leaf gazettes which was originally placed in the Mammal gallery, was transferred to the Epigraphy section.

*Arts and Industries.*—The old, faded Sittannavasal frescoes, 22 in number, were replaced by new ones, in fourteen sets, in new photo mounts. The description of each photograph was written under it. The show cases containing the carvings of ivory, sandalwood, teak wood, rose wood and lacquer, which had been exhibited in scattered places, were brought together. The pithworks were transferred to a more central place.

*Paintings and Picture gallery.*—The two big portraits of George V and George VI were removed to the eastern side of the gallery for proper lighting and better view. The photographs of the International Museum Week celebrations were properly arranged and exhibited on the southern side. The portraits of Tondaiman rulers, mounted loosely in paper, were remounted properly in photomount.

*Anthropology.*—A total number of 652 iron cannon balls of three different sizes were acquired from Pattukkottai Taluk Office, as Treasure trove. These iron cannon balls were given varnish coating before adding them to the reserve collection. Among these, two in each size, were exhibited in the Arms and Armoury section of the Anthropological galleries. The open space between the Arms gallery and the Prehistoric gallery was covered by providing a wooden panel, and this panel was utilised to exhibit swords. The various types of guns were individually labelled. The pistols and revolvers were provided with glass-bound labels.

In general, the Arms section was rearranged to give a better appearance and to provide more moving space for the visitors.

*Epigraphy.*—The Epigraphy section which had been part of Archaeology was separated, by exhibiting the epigraphs in a separate room. The palm leaf gazettes and Historical Records, till now placed in the Mammals gallery, were shifted to the Epigraphy section. The palm leaf gazettes were given chemical preservative treatment for a fortnight and then displayed in the gallery. Facilities were given to the research scholars to go through the copper plate inscriptions and other Historical Records.

*Archaeology.*—The Archaeological gallery was enriched by adding three more sculptures—Jayeshtha Devi, Hero stone and Rati-Manmatha from Mullavur, near Virahimalai.

The bronze section was completely rearranged. A few of the bronze figures were transferred to the reserve collection to remove overcrowding. Eleven new prints were received from the Superintendent, Southern Circle, Archaeological Survey and exhibited in the Gallery.

*Numismatics.*—The rich and varied collections of over 2,000 coins in this section continued to maintain their importance as usual. For safety of the rare and valuable gold coins they were transferred to the new safe in the Technical Store Room, which is under the custody of the Curator, Government Museum, Pudukkottai.

*Library.*—Twenty-three books were added to the library making up the total number to 1,125. The library continued to serve the Curator and his staff and the interested public with the same usefulness and importance as before.

The books were renumbered according to the call number system allotting to each subject a separate section letter and the register was completely rewritten leaving ample space for consecutive sections and for later additions. The periodicals were entered separately. All the loose journals, numbering about 348 were bound into 85 volumes according to their number.

*Equipments including furniture and fittings.*—The work of gradually remodelling the old and antiquated show-cases, was further pushed through. One teakwood table for the junior clerk and one teakwood library almirah were purchase from the Jail Department, Pudukkottai. A wooden wall stand was made to exhibit the crustacean specimen jars in the Invertebrate section. One more tell-tale clock was purchased.

*Staff.*—The two lower division clerks of this office, Sri S. Swaminatha Sarma and Sri R. Sarangapani, were sent to the Government Museum, Madras, for a duration of one month in April 1962 and May 1962, for training in office procedure. Sri S. George Peter, Junior Taxidermist was promoted as Senior Taxidermist and transferred to the Government Museum, Madras, and his place was filled by Sri V. Kumaraswamy who was working as attender in the Government Museum, Madras. Sri H. Lakshminarayanan was appointed as Technical Assistant, in the place of Sri K. Thambuswamy, who resigned his post. The post of another watchman was sanctioned in the month of August 1962 to ensure more safety and security to the valuable and irreplaceable articles in the Museum. The post of one night watchman was regularised from 29th March 1963. The post of peon-cum-gardener was replaced by a full time gardener, in September 1962. Sri M. Sivasankaran, peon, was promoted as attender and transferred to the Government Museum, Madras, and his place was filled by Sri P. Subramaniyan, a candidate from the Employment Exchange.

*Tours.*—On 5th September 1962 a tour was undertaken by the Curator, to Pattukkottai to acquire 652 iron cannon balls of three different sizes from the Taluk Office, Pattukkottai. On 21st and 22nd September 1962, the Curator participated in an exhibition conducted by the Government Museum, Madras, at Ilayathankudi, in connection with the Sadas by His Holiness Sri Sankaracharya Swamigal at his Mutt.

In the months of January and March tours were undertaken to Keeranur and Mullayur in connection with acquiring the two sculptures, Jayeshtha Devi and Hero Stone from Mullayur.

*Research and publications.*—A complete set of ornaments of folk dance in the Anthropology gallery was identified. An illustrated guide in English to the Government Museum, Pudukkottai, with thirty photographs and two line drawings, was prepared for publication.

English and Tamil copies of the Handy guide to the Principal exhibits of the Government Museum, Pudukkottai, were sold.

*General.*—The Superintendent, Government Museum, Madras, inspected this Museum from 8th to 16th November 1962, and made valuable suggestions for improvements of the galleries on modern lines. All his suggestions and instructions excepting a few were carried out, when the period under review drew to a close. A few register was opened for the library, and a general acquisition register and separate acquisition registers were opened for each section.

All the essential chemicals for preservation and Taxidermy were made available in the Technical Stores. The double-barrel gun, which was not used for a short time, was again cleaned and put in use for the collection of Zoological specimens. A set of metric weights and measures was purchased for office use. Brass token numbers were provided for the gallery keys in the key-board box for easy identification.

Curatians were provided for the doors leading from the Geology gallery to the office and the Technical Assistant's room.

## PLANS FOR THE YEAR 1963-64.

*Geology.*—(1) Providing a sloping case on the eastern side, similar to the one on the western side, for exhibiting important minerals and rocks.

(2) Exhibiting the photographs of Geological topics on the frames in the central sloping show cases.

(3) Replacing the old labels by printed ones.

*Botany.*—(1) Panelling up of all herbarium case stands with continuous plywood sheets for better display.

(2) Providing a single glass door for the almirah containing wet specimens of cashew fruits and cocoa-pods.

*Zoology.*—(1) Displaying the insect cases vertically in two rows with panelled bases.

(2) Providing a single glass door for the almirahs in the Invertebrate gallery.

(3) Replacing all the old, spirit specimens of fishes by fresh ones.

(4) Providing a single glass door to the wall cases in the fish gallery.

(5) Replacing the stuffed specimen of cobra with a fresh one.

(6) Remodelling all the almirah-type show cases in the Birds and Mammals gallery.

*Art and Industry.*—Procuring a good specimen of Khas-khas curtain.

*Anthropology.*—Individually labelling all ornaments in the hexagonal show cases.

*Epigraphy.*—Illuminating the gallery with tube-light fittings for clear lighting and easy reading of inscriptions.

*Mural paintings.*—Providing tube light fittings for the proper lighting.

*Archaeology.*—(1) Providing illumination for the Saptamatrikas sculptures.

(2) Renewing all moth-eaten and faded photographs.

(3) Providing glass covering for all Amaravati sculptures, on the wall.

(4) Exhibiting the photographs on the wall which are now placed in front of Natesa show case in the bronze gallery.

*Numismatics.*—(1) Cleaning the corroded coins.

(2) Identifying the unidentified coins.

*General.*—(1) Converting the tiffin-shed into a room for use as a laboratory.

(2) Constructing a wall to protect the verandah housing the whale skeleton, from sun and rain.

(3) Providing iron bars to the verandha, housing wood carvings on the rear side of the building for safety and protection.

(4) Providing iron bars to the windows in the Curator's room, for safety and protection.

(5) Conversion of the semi-glass door into a complete wooden door at the exist of the bronze gallery.

(6) Purchasing and fixing the fire protection apparatus and materials in the building against fire.

Madras,  
1st June 1963.

S. T. SATYAMURTI,  
Superintendent, Government Museum.

**Connemara Public Library (Exchange).**

The number of institutions sending their journals in exchange for the Museum Bulletin was 181 and the number of publications received from the institutions was 482 fasciculus of 282 periodicals.

S. T. SATYAMURTI,  
*Superintendent, Government Museum,  
Madras and Associated Librarian,  
Connemara Public Library, Madras.*

## APPENDICES RELATING TO GOVERNMENT MUSEUM, MADRAS.

## APPENDIX I.

*Complete list for the year 1961-62 of Treasure Trove Coins in the Madras State.**A. Acquired by the Museum.*

Treasure trove number.	Accession number.	Particulars.	Metal.	Number found.	Number recovered.	Number acquired
(1)	(2)	(3)	(4)	(5)	(6)	(7)
733	913	Punch marked Puranas .. .. .	Silver ..	193	193	193
746	918	Rupees of Tippu and Arcot Rupee of Shah Alam II.		12 coins + 12 + 3 lead and 3 lead and 11 glass bangles.		12 coins
752	919	Arcot Rupees of Alangir II, Arcot Rupee of Shah Alam II. $\frac{1}{4}$ Star Pagodas.	Do. ..	44	44	44
747	922	Indo-British old Star Pagodas .. ..	Gold ..	11 coins + 1 coin broken in pieces and 1 copper.	13	11 coins.

*B. Not Acquired.*

734	..	Old one rupee coin and half rupee coins.	Silver ..	174	174	Nil.
735	..	Gold coins and ear-ornaments .. ..	Gold ..	34	34	..
739	..	Gold coins, gold ear-rings, and beads ..	Do. ..	426	426	..
740	..	Silver coins .. .. .	Silver ..	12	12	..
753	..	Gold coins .. .. .	Gold ..	79	79	..

## APPENDIX II.

*List of Treasure Trove Finds from the Madras State.*

## ARCHAEOLOGY.

*A. Acquired by the Museum.*

Treasure trove number.	Accession number.	Description.	Place.
(1)	(2)	(3)	(4)
741	472	Vishnu .. .. (Bronze) ..	Kalapattu, Villupuram taluk, South Arcot district.
..	473	Do.	Do.
..	474	Krishna .. .. .	Do.
..	475	Tirumangai Alvar .. ..	Do.
745	476	Chakra .. .. .	Perumardur, Arantangi taluk, Thanjavur district.
744/62	477	Tripurantaka .. .. .	Vallam, Thanjavur taluk, Thanjavur district.
742	1433	Buddha .. .. Stone ..	Suthamalei, Udayarpalayam taluk, Tiruchi-rappalli district.
754	1468	Mahavira .. .. .	Puliyur, Kodambakkam, Madras.

*B. Not acquired—Nil.*



## APPENDIX II—cont.

## List of Treasure Trove Finds from the Madras State—cont.

## ANTHROPOLOGY.

## A. Acquired by the Museum.

Treasure trove number.	Accession number.	Description.
(1)	(2)	(3)
743	2407 .. ..	One iron dumb bell.—Relates to file No. 432/60-An—Treasure found at Pallidavayal village, Pattukkottai taluk, Thanjavur district.
748	81-4 .. ..	Four gold pieces of a chain.—Relates to file No. 5377/62-An—Kaliyur village, Cheyyar taluk, North Arcot district.
749	81-1 .. ..	Ten silver Talismans.—Relates to file 1368/62-An—Treasure found at Vellakutti village, Tirupattur taluk, North Arcot district.
	81-2 .. ..	Five loose pieces of carnelian.—Relates to file 1308/62-An—Treasure found at Vellakutti village, Tirupattur taluk, North Arcot district.
	81-3 .. ..	Three silver rings.—Relates to file 1308/62-An—Treasure found at Vellakutti village, Tirupattur taluk, North Arcot district.
750	80 .. ..	Three gold Mukappus.—Relates to file No. 4672/62-An—Treasure found at Karunkalankudi village, Melur taluk, Madurai district.
751	79 .. ..	A pair of gold ear rings.—Relates to file No. 4404/63-An—Treasure found at Maciyampatti village, Periakulam taluk, Madurai district.

## Not acquired.

Treasure trove number.	Description.	Place.
(1)	(2)	(3)
749 .. ..	Two pairs of silver kappus, 9 silver rings, 3 mair matty, one Sarapani and 8 coins.	Vellakutti village, Tirupattur taluk, North Arcot district.
750 .. ..	Two gold bangles, one gold necklace, 20 Crown like gold vessel pieces.	Karunkalankudi village, Melur taluk, Madurai district.
348 .. ..	Three pieces of gold plates .. .. .	Virdhunagar taluk, Madurai district.
360 .. ..	One gold wire .. .. .	The Thasildar, taluk office, Tirrippur.

## APPENDIX III.

## Other notable additions to the collections during the year 1962-63.

## ZOOLOGY.

Serial number and accession number.	Particulars.
(1)	(2)
1 6/1962 .. ..	The Mouse Deer ( <i>Moschiola memina</i> ).
2 11/1962 .. ..	The Sambar ( <i>Rusa unicolor nigra</i> ).
3 12/1962 .. ..	The Four-horned Antelope ( <i>Tetracerus quadricornis</i> ).
4 13/1962 .. ..	The Sacred Sinistral Chank ( <i>Xancus rapa</i> ).
5 14/1962 .. ..	The large Sinistral Shell ( <i>Pyrula perversa</i> ).
6 17/1962 .. ..	The Spotted Deer or Chital ( <i>Axis axis</i> ).
7 4/1963 .. ..	The Leopard Cat ( <i>Prionailurus bengalensis</i> ).
8 5/1963 .. ..	The Lion ( <i>Felis leo</i> ).

## APPENDIX III—cont.

*Other notable additions to the collections during the year 1962-63—cont.*

## BOTANY.

Serial number and accession number. (1)	Particulars. (2)
1 1962/68 and 69 .. ..	A couple of pressed specimens of <i>Meliosma wightii</i> .
2 1963/17 .. ..	One female cone of <i>Oycas circinnalis</i> .

## GEOLOGY.

Serial number and accession number. (1)	Particulars. (2)
1 33/1962 .. ..	Dumortierite.
2 40/1962 .. ..	Sodalite.
3 44/1962 .. ..	Triplite.
4 68/1962 .. ..	Anorthosite.
5 71/1962 .. ..	Pitchstone.
6 72/1962 .. ..	Phyllite.
7 75/1962 .. ..	Nepheline syenite.
8 76/1962 .. ..	Amphibolite.

## ANTHROPOLOGY.

Serial number and Accession number. (1)	Articles. (2)	Particulars. (3)
1 1/62 to 18/62 .. ..	18	Brohi Ethnographic materials.
2 19/62 and 20/62 .. ..	2	Brass Rings.
3 21/62 .. ..	11	Beads.
4 22/62 and 1/63 .. ..	2	Kadar Plaster Busts.
5 94/62 + 96/62 .. ..	3	Neolithic celts.
6 97/62 to 99/62 .. ..	3	Hand axes.
7 1697 and 1698 .. ..	2	Adivasi Ethnographic materials.
8 2405 and 2406 .. ..	2	Pen pistols.
9 2407 .. ..	1	Dumb bell.
10 2408 .. ..	1	Sword.
11 2409 .. ..	1	Breach loading gun.
12 79 to 8104 .. ..	27	Treasure Trove gold articles.

## NUMISMATICS.

Serial number and how acquired. (1)	Metal, (2)	Number acquired. (3)	Particulars. (4)
1 Purchase ..	Copper ..	32	Indo-British $\frac{1}{4}$ pice and $\frac{1}{12}$ anna pices.
2 Do. ..	Bronze ..	1	Syracuse medal of the 4th century B-C
3 Do. ...	Copper ..	1	Medal issued in commemoration of the visit of the Prince of Wales to Bombay in 1921.
4 Do. ..	Do. ..	17	Foreign coins, French colonial.
		2	French Medals.
		1	Star medal of 1914-15 minimum.
		1	Minimum weight standard for British Sovereign.
5 Do. ..	Silver ..	1	Half crown piece of Victoria.
6 Do. ..	Do. ..	1	} Rajendra Chola coin.
	Brass ..	1	
	Copper ..	27	British model Foreign coins.
7 Do. ..	Bronze ..	1	} Indo-British Medals.
	Lead ..	1	
	Brass ..	8	

## APPENDIX III—cont.

*Other notable additions to the collections during the year 1962-63—cont.*

## ARCHAEOLOGY.

- 1 *Buddha*.—One Stone image seated, Suthamalli, Tiruchirappalli district.
- 2 *Angrei Feaude Lowen*.—An etching.
- 3 *Mit Traktoren Zuer fet dalkeit*.—An Etching.
- 4 *Getre de ernte*.—An Etching.
- 5 *Hoch seehafen*.—An Etching.
- 6 *War now werst Mah-dem stapellant*.—An Etching.
- 7 *Stahlwerk*.—An Etching.
- 8 *Wernouerst*.—An Etching.
- 9 *Tiegelstalgub*.—An Etching.
- 10 *Bathing Ghat*.—Plaster replicas.
- 11 *Burning Ghat*.— do.
- 12 *University*.— do.
- 13 *Swastic stupa*.— do.
- 14 *Kartikeya temple*.— do.
- 15 *Ashtabujaswami temple*.—do.
- 16 *Queen's Bath Tub*.— do.
- 17 *Temple at 11/2*.— do.
- 18 *Stadium*.— do.
- 19 *Banusrutiya vihara*.— do.
- 20 *Sarvadeva temple*.— do.
- 21 *Kumaranandi vihara*.— do.
- 22 *Simhala vihara*.— do.
- 23 *Stupa No. 9*.— do.
- 24 *Asvamedha*.— do.
- 25 *Roman vase*.—A drinking glass vase.
- 26 *Porcelain Dish*.
- 27 *Harappan Art*.—A set of plaster replicas (3000-2000 B.C.)—

- 1 *Male Torso*.—Harappa.
- 2 *Male Dancer*.— do.
- 3 *Male Bust*.—Mohenjadaro.
- 4 *Male Head*.— do.
- 5 *Dancing girl*.— do.
- 6 *Buffalo*.—Figure in metal.
- 7 *Mother goddess*.—Terracotta. Mohenjadar.
- 8 *Ranis Head*.—Terracotta. Mohenjadar.
- 9 *Bull*.—Mohenjadaro.
- 10 *Turtle*.—Terracotta—Harappa.
- 11 *Ass cater*.—Harappa.
- 12 *Toy animal with a movable head*.—Mohenjadaro.
- 13 *Bird on wheel*.—Mohenjadaro.
- 14 *Climbing monkey*.—Terracotta—Harappa.
- 15 *Embracing monkeys*.—Mohenjadaro.
- 16 *Pasupati seal*.—Stone—Mohenjadaro.
- 17 *Bull seal*.—Stone—Mohenjadaro. 4 cms.
- 18 *Pipal tree seal*.—Stone—Mohenjadaro.
- 19 *Tigers and man seal*.—Stone—Mohenjadaro.
- 20 *Unicorn seal*.—Stone—Harappa.

22. *Indian sculpture through the ages*.—Twenty exact seal casts of objects in the National Museum.

- 1 *Male Torso*.—Stone carving at Harappa.
  - 2 *Male Head*.—Maurya, 3rd Century BC., Sarnath, U. P.
  - 3 *Woman in grief*.—Sunga, 2nd Century BC.
  - 4 *Bodhisattva Head*.—Gandara, 2nd Century AD, Taxila.
  - 5 *Medallion with feasting scene*.—Gandhara, 2nd Century AD., Taxila.
  - 6 *Siddhartha amidst pleasures*.—Ikshvaku, 2nd, 3rd, Century AD., Nagarjunakonda.
  - 7 *Dampati*.—Ikshvaku, 2-3rd Century AD, Nagarjunakonda.
  - 8 *Bodhisattva Maiteya*.—Kushan, 2nd Century AD., Abichohetra, U. P.
  - 9 *Mother and child*.—Kushan, 2nd Century AD., Mathura, U. P.
- G.M.—62-63—4A

## APPENDIX III—cont.

*Other notable additions to the collections during the year 1962-63—cont.*

## ARCHAEOLOGY—cont.

28. *Indian sculpture through the ages*.—Twenty exact seal casts of objects in the National Museum—cont.

10 *Buddha Head*.—Gupta, 5th Century AD., Somanath, U.P.

11 *Seshasayi Vishnu*.—Pratihara, 9th, 10th Century AD.

12 *Tara*.—Pratihara, 9th, 10th Century AD, Saranath, U. P.

13 *Female Head*.—Ganadevala, 11th, 12th Century AD., Rajorgart, Alwar, Rajasthan.

14 *Scenes from Budha's life*.—Pala, 9th, 10th. Century, Nalanda, Bihar.

15 *Simhanada*.—Pala, 10th Century AD, Nalanda, Bihar.

16 *Suvarchasa*.—Eastern Ganga, 13th Century AD., Konarak, Orissa.

17 *Vishnu*.—Western Chalukya, 12th Century, Hampi, Andhra.

18 *Dancing Vishnu*.—Kakatiya, 12th Century AD., Warangal, Andhra.

19 *Kankalar*.—Pallava, 7th Century AD.

20 *Gana conch blower*.—Chola, 10th, 11th Century AD.

29 *Mahavira*.—One stone image, seated.

30 *Tigerschlange*.—An etching.

31 *Vorm Dort*.—An etching.

32 *Ausveneding*.—An etching.

33 *Im Hafen*.—An etching.

34 *Vishnu*.—Vishnu standing—Bronze.

35 *Vishnu*.—Standing Bronze.

36 *Krishna*.—As Rajagopala standing—Bronze.

37 *Tirumangai Alvar*.—Standing—Bronze.

38 *Chakra*.—A discus with sixteen rays—copper.

39 *Tripurantaka*.—Siva on Tripurantaka, standing on a pedestal, square in shape, copper.

## CHILDREN'S SECTION.

Serial number. (1)	Accession number. (2)	Particulars. (3)
1	1/62	A set of seven Kathakali Models made of papier mache.
		1. Rama 19" height.
		2. Ravana 19" "
		3. Krishna 19" "
		4. Thadi 19" "
		5. Kattalan 19" "
		6. Hanuman 19" "
		7. Seetha 17" "
2	1/63	Eight enlarged models of different varieties of Bacteria fixed on a board.
3	2/63	Dry preserved <i>Usnea</i> .
4	3/63	One doll's house made of wood about six feet in height.

## APPENDIX IV.

*Visitors to the Museum.*

	1961-62.	1962-63.
Total number of visitors .. .. .	543,268	555,111
Total number on Sundays .. .. .	114,264	121,963
Total number on Dwadesi day .. .. .	4,502	4,474
Total number on Kannupongal day .. .. .	21,123	24,159

*Staff*.—Sri T. S. Sundaram, Assistant Superintendent, retired on 14th August 1962. Shri M. S. Chandrasekhar, Curator, Government Museum, Pudukkottai, was appointed Assistant Superintendent, Government Museum, with effect from 15th August 1962 and reverted as Curator, Botany section, on 31st December 1962. Shri P. N. Mohandas, Curator, Numismatic section, was appointed as Assistant Superintendent, Government Museum, with effect from 1st January 1963 on probation.

Shri R. Nagaswamy, officiating Curator, Archaeology section, was transferred as Assistant to the Special Officer for Archaeology, Madras, on 1st February 1963 and Shri V. R. Mani, officiating Assistant Curator, was appointed as Curator, Archaeology section, under Rule 10 (a) (i). Shri M. Raghupathy, officiating National Art Gallery Guide, was promoted and transferred to Government Museum, Pudukkottai, as Curator.

APPENDIX IV—*cont.**Visitors to the Museum—cont.*

The following posts were created :—

- (1) One Operator for Microfilming equipment.
- (2) One Technical Assistant for the Geology section.
- (3) One Sales Attendant in lieu of the Sales Attender.

*Photographic work.*—The photographer was engaged in taking prints for record and sale to the public. A sum of Rs. 560-98 nP. was realised by sale of prints and enlargements as against Rs. 501-53 nP. during the last year. During the year under report, 382 negatives and 1,874 prints and enlargements were prepared.

*Tours.*—The Superintendent undertook tours to Pudukkottai for inspecting the Government Museum, Pudukkottai, to New Delhi to attend the meetings of the Central Advisory Board of Museums, the annual meeting of the Museums Association of India and to participate in the Seminar of the Museums Association, and to Bombay, to attend the meetings of the Central Advisory Board of Archaeology, the Central Advisory Board of Museums and the Standing Committee of the Central Board of Museums. The Curator for Archaeology went on tour to Kumbakonam and Tiruvelangudi to acquire idols, to Ilayathangudi, to attend the sadas and organise the exhibition conducted by Shri Shankaracharya of Kamakoti peetam and to Adiwarkottai for survey and collection of sculptures. The Curator for Anthropology undertook tours to Vedanthangal to study the pre-historic site and gravel bed, to Tiruttani to inspect treasure-trove objects, to Calcutta to bring back the Adichanallur skulls from the Anthropological Survey of India, to Point Calimere to study the primitive communities, and to the Anthropological Survey of India, Calcutta, for training in Anthropology. The Curator, Zoology section, went to the Prince of Wales Museum, Bombay, for training in Zoology. The Curator, Numismatic section, went to Palayamkottai to examine a private coin collection with a view to purchasing it for the Museum.

*Museum Theatre.*—The Museum Theatre was used for 212 engagements during the year of which 159 were for dramatic performances, etc., and the rest for rehearsals and meetings. A sum of Rs. 5,565 was realised as rent as against Rs. 6,138 in the previous year. A sum of Rs. 406 has in addition been credited to Government as the half share of the fee for the Caretaker's overtime attendance.

*Centenary Exhibition Hall.*—The Centenary Exhibition Hall was used for 10 exhibitions and 3 meetings during the year. A sum of Rs. 418 was realised as rent as against Rs. 675 in the previous year.

## APPENDIX V.

*List of photo negatives prepared during the year 1962-63.*

	Negative number.	Size, film or plate.	Particulars.
	(1)	(2)	(3)
ZOOLOGY.			
Z. '8	21	..	½ plate
ZF.	144	..	½ film
	145	..	"
	146	..	"
	147	..	"
	148	..	"
	150	..	"
	151	..	"
	152	..	"
	153	..	"
	154	..	"
	155	..	"
	156	..	"
	157	..	"
	158	..	"
	159	..	"
	160	..	"
	161	..	"
	162	..	"
	163	..	"
	164	..	"
	165	..	"
	171	..	"
	172	..	"
	173	..	"
	174	..	"
	175	..	"
			Superintendent's visit to one of the Museums in West Germany.
			The feet of Emu and Pelican.
			The spiny Ant-eater.
			The molar tooth of an Elephant.
			The Malayan Tapir.
			The jaws of Shark.
			The Duck-billed Platypus.
			The skeleton of Frog.
			The Mandarin Duck.
			The Scaup Duck.
			The skull of Tiger.
			The skull of Dolphin.
			The Bull Frog.
			The Great African Bustard.
			The Hermit Crab inside a shell.
			The Macaw Parrot.
			The Brahminy Duck (exhibited in the foreign animals gallery).
			The Brahminy Duck (exhibited in the bird gallery).
			The Flying Fox or Bat.
			The Black Bittern.
			Whale hunting with machine gun.
			The Ambergris of Sperm Whale.
			The Coconut crab.
			The Rhinoceros horn.
			The Mouse Deer.
			The air bladder of fish.
			The Holothurians.



## APPENDIX V—cont.

*List of photo negatives prepared during the year 1962-63—cont.*

Negative number.	Size.	Particulars.
(1)	(2)	(3)
<b>ZOOLOGY—cont.</b>		
176 ..	$\frac{1}{2}$ film	The comb made out of Tortoise shell or epidermal scale.
178 ..	"	The caterpillar lying on a twig.
179 ..	"	The caterpillar hanging from a branch.
181 ..	"	The floating colonies of Siphonophora (Indian ink sketches).
182 ..	"	The Indian Toad.
149 ..	$\frac{1}{2}$ film	The beaks of Pelican and Hornbill.
166 ..	"	The vertical section of the Indian elephant skull.
167 ..	"	The model showing the elephant catch—Pitfall method.
168 ..	"	The Orang-utan.
169 ..	"	The Silver kaleege Pheasant.
170 ..	"	The Amherst Pheasants (male and female).
177 ..	"	The Peafowl—diorama.
180 ..	"	The skull of Indian elephant with complete tusks.
183 ..	"	The diagram illustrating the external morphology of cockroach.
184 ..	"	The Black-naped Hare.
185 ..	"	The Elliot's Dolphin.
186 ..	"	The Hanuman Langurs and Madras Langurs group.
187 ..	"	The South Indian Hedge hog.
188 ..	"	The Slender loris.
189 ..	"	The Jackal.
190 ..	"	The Bandicoot Rat.
191 ..	"	The Toddy Cat or Indian Palm Civet.
192 ..	"	The Leopard Cat.
193 ..	"	The Sambar.
194 ..	"	The Spotted Deer or Chital.
195 ..	"	The Indian Antelope or Black Buck.
196 ..	"	The Four-horned Antelope.
197 ..	"	The Nilgiri Wild Goat.
198 ..	"	The Bengal Giant Squirrel.
199 ..	"	The Habitat group of Bengal Giant squirrel.
200 ..	"	The Large Brown flying squirrel.
201 ..	"	The Habitat group of large brown flying squirrel.
202 ..	"	The three striped Palm Squirrel.
203 ..	"	The fishing cat.
204 ..	"	The Indian Leopard or Panther with two cubs.
205 ..	"	The Malabar Civet.
206 ..	"	The Small Indian Civet.
207 ..	"	The Nilgiri Brown Mongoose.
208 ..	"	The Nilgiri Marten.
209 ..	"	The Common Otter.
210 ..	"	The Indian Fox.
211 ..	"	The Striped Hyæna.
212 ..	"	The large Indian Fruit Bat or Flying Fox.
213 ..	"	The Habitat group of the large Indian Fruit Bat.
214 ..	"	The Indian Porcupine.
215 ..	"	The Madras Tree Shrew.

**BOTANY.**

B XIII	25	..	$6\frac{1}{2}'' \times 4\frac{1}{2}''$	Tea-map of India.
XIV	45	..	$3\frac{1}{2}'' \times 2\frac{1}{2}''$	Coffee country.
	46	..	"	Coffee crop on tree.
	47	..	"	Coffee blossom.
	48	..	"	Sorting coffee seeds (reds and greens).
	49	..	"	Map of coffee cultivation in India.
	50	..	"	Cherry and parchment.

## APPENDIX V—cont.

## List of photo negatives prepared during the year 1962-63—cont.

Negative number.	Size.	Particulars.
(1)	(2)	(3)
<b>BOTANY—cont.</b>		
B XV	1	Hand-sizing coffee.
	2	Garbling coffee.
	3	Winnowing coffee.
	4	Spilling coffee beans for drying.
	5	Drying coffee beans.
	6	Coffee barbecue.
	7	Coffee into the hold.
	8	Weighing tea-leaves.
	9	Withering tea-leaves.
	10	Fermenting tea-leaves.
	11	Sorting tea-leaves.
	12	Rolling tea-leaves.
	13	Tea firing.
	14	Cacao pods.
	15	Wire-skeleton for model of plant classification.
	16	Do.
	17	Wire-skeleton for model of plant classification, partly covered with plaster.
	18	Do.
	19	<i>Cassytha filiformis</i> .
	20	<i>Ouscuta chinensis</i> .
	21	Weeding implements.
	22	Do.
	23	Do.
	24	<i>Cyperus rotundus</i> .
	25	<i>Argemone mexicana</i> .
	26	Seeds of some common weeds.
	27	<i>Acternanthera echinata</i> .
	28	<i>Mollugo lotoidea</i> .
	29	<i>Eichhornia crassipes</i> .
	30	<i>Aristolochia bracteata</i> .
	31	<i>Leuca urticaefolia</i> .
	32	<i>Oldenlandia umbellata</i> .
	33	<i>Boerhaavia diffusa</i> .
	34	<i>Acanthospermum hispidum</i> .
	35	<i>Striga lutea</i> .
	36	<i>Datura fastuosa</i> .
	37	<i>Tribulus terrestris</i> .
	38	<i>Orobancha cernua</i> .
	39	Seed of <i>Calotropis gigantea</i> .
	40	<i>Corchorus trilocularis</i> .
	41	<i>Moniera cuneifolia</i> .
<b>GEOLOGY.</b>		
G. II	42	Peat.
	43	Coal.
	44	Anthracite.
	45	Electric furnace for steel making.
	46	40" Blooming mill.
	47	Trachodon.
	48	Stegosaurus.
	49	Animal burrows.
	50	Mud volcano, Burma.

## APPENDIX V—cont.

*List of photo negatives prepared during the year 1962-63—cont.*

Negative number.	Size.	Particulars.
(1)	(2)	(3)
<b>GEOLOGY—cont.</b>		
G. II-A	1	1/4 film
	2	"
	3	"
	4	"
	5	Plate 3" x 3"
	6	"
	7	"
	8	"
	9	"
	10	"
	11	"
	12	1/4 Film
	13	"
		Gold washing, Burma
		Manganese mines, Kodur.
		Cutting pebbles for spectacle lenses.
		Fire bricks.
		Formation of a valley.
		A river-formed barrier.
		A drowned valley.
		A hanging valley and falls.
		Water fall.
		Oxbow cut off.
		Do.
		Bazar Monghyr total collapse due to earthquake.
		Damage to the Sitamarai railway bridge due to Bihar earthquake 1934.
<b>ANTHROPOLOGY.</b>		
F. IV	55	2 1/4" x 2 1/4"
	56	"
	57	"
	58	"
	59	"
	60	"
	61	"
	62	"
	63	"
	64	"
	65	"
	66	"
	67	"
	68	"
	69	"
	70	"
	71	"
	72	"
	73	"
	74	"
	75	"
	76	"
	77	"
	78	"
	79	"
	80	"
	81	"
	82	"
	83	"
	84	"
	85	"
	86	"
	87	"
	88	"
		Kodikkarai adivasis temple.
		Veeran (Adivasis god).
		Kavadi (Adivasis god).
		Mino edayan (Adivasis god).
		Muniyan (Adivasis god).
		Toondikaran (Adivasis god).
		Soni.
		Thoondikaran with Festoon.
		Soni.
		Kannamma Pongal.
		Priest at the temple
		Do.
		Finger prints of Adivasis.
		Do.
		Finger prints of Adivasis (man Kanju).
		Adivasi collecting fruits.
		Adivasi collecting tuber.
		Do
		Adivasi collecting fruits in the forest.
		Adivasis in the forest area.
		Adivasis collecting fruits in the forest area.
		Forest at a distance.
		Peraman with adivasi temple in the background.
		Newly constructed Adivasi temple.
		Adivasis house-under construction.
		Path leading to Peraman's house.
		Courtyard in front of Adivasi house.
		Do.
		Do.
		Adivasi man preparing peri.
		Completed peri.
		Light-house at Point Calimere.
		Beach at Point Calimere.
		Whale's skull-washed ashore at Point Calimere.

## APPENDIX V—cont.

*List of photo negatives prepared during the year 1962-63—cont.*

	Negative number.		Size.	Particulars.
	(1)		(2)	(3)
				<b>ANTHROPOLOGY—cont.</b>
E. 15	47	..	$\frac{1}{2}$ size	Spindle whorls (R. B. Foote collection).
	48	..	"	Spindle whorls and slick stones (R. B. Foote collection).
	49	..	"	Do.
	50	..	"	Spindle whorls.
E. 16	1	..	"	Spindle whorls (Mohenjodaro).
	2	..	"	Do.
	3	..	"	Kathakali figures.
	4	..	"	Lambadi women (from Lambadi caste).
	5	..	"	Spindle whorls.
	6	..	"	Do.
	7	..	"	Do.
	8	..	"	Tops of Kadar.
	9	..	"	Do.
	10	..	"	Adichanallur burial urn.
	11	..	"	Coffin of an Egyptian Mummy. National Museum of Antiquities, Leiden, Netherlands.
	12	..	"	Dajak Tribal group in the National Museum of Ethnology—Leiden.
	13	..	"	Interior of a Picture Gallery in Museum Boymans—Rotterdam— Netherlands.
	14	..	"	Nilgiris terracotta animal figurine.
	15	..	"	Do.
	16	..	"	Do.
	17	..	"	Do.
	18	..	"	Do.
	19	..	"	Do.
	20	..	"	Do.
	21	..	"	Do.
	22	..	"	Do.
	23	..	"	Do.
	24	..	"	Do.
E. XXIV.	27	..	$\frac{1}{2}$ size	Javanese leather shadow play figure (Kumbakarna).
	28	..	"	First palaeolith, discovered at Pallavaram by R.B. Foote.
	29	..	"	Grama Devatas (A Rishi and Ganesa).
	30	..	"	Grama Devatas (Virabhadra and Madurai Veeran).
	31	..	"	Grama Devatas (Mariamman and Naga).
	32	..	"	Late Dr. Ananthakrishna Iyer, Anthropologist.
	33	..	"	View of Social Sciences Association Special Exhibition.
	34	..	"	Do.
	35	..	"	Do.
	36	..	"	Do.
	37	..	"	Do.
	38	..	"	Vidushaka (leather shadow figure).
	39	..	"	Homo neanderthalensis (flesh reproduction).
	40	..	"	Do.
	41	..	"	Australopithecus promethens (flesh reproduction).
	42	..	"	Australopithecus africanus (flesh reproduction).
	43	..	"	Paleoanthropus palestiniensis (flesh reproduction).
	44	..	"	Sinanthropus.

## APPENDIX V—cont.

*List of photo negatives prepared during the year 1962-63—cont.*

Negative number.	Size.	Particulars.
(1)	(2)	(3)

## NUMISMATICS.

## List of photo negative—

N.B. 141	..	$\frac{1}{2}$ size.	Seven Chera copper coins.
142	..	..	Rupee of Bombaim.
143	..	..	Metal coins.
144 to 147	..	..	Chola, Pandya and English East India Company.
N.B. 148	..	..	Tipu's gold varahan.
149-158	..	..	Roman coins.
42-44	..	$\frac{1}{2}$ size	Chola, Pandya and East India Company Coins.

## List of lantern slides—

No. 74	..	..	..	Seal of Uttama Chola.
75	..	..	..	Coin of Raja Raja.
76	..	..	..	Coins of Uttama Chola and Rajendra.
77	..	..	..	Coin of Gangaikonda Chola.
78	..	..	..	Coin of Kataikonda Chola.
79	..	..	..	Coin of Malainadukonda Chola.
80	..	..	..	Pandyan Rectangular coins.
81	..	..	..	Do.
82	..	..	..	Pandyan Round coins with Tamil legends.
83	..	..	..	Do.
84	..	..	..	Do.
85	..	..	..	Coin of Pandya Dhananjaya.
86	..	..	..	Indo-British—Rupee of Bombaim.
87	..	..	..	Indo-British—Double (two) pagoda.
88	..	..	..	Indo-British—Three Swamy pagoda.
89	..	..	..	Indo-British—Arcot Rupees and Rupee of William IV.
90	..	..	..	Indo-British—Mobur (British).
91	..	..	..	Old Star pagoda and New Star single pagoda.

## ARCHAEOLOGY.

F. 1255	..	Small	Nataraja and Sivakami, Treasure Trove find, Anakkudi, Thanjavur district.
1256	..	..	Do.
1257	..	..	Sivakami of the same group.
1258	..	..	Back of Nataraja of the above group.
1259	..	$\frac{1}{2}$ size	Vishnu, Tirukkannakudi—front view.
1260	..	..	Do, back view.
1261	..	..	Frame work of a modernised show-case in the Metalware Gallery.
1262	..	..	Another view of the same.
1263	..	..	Gopika, painting by Jaimini Roy in the National Art Gallery.
1264	..	..	Madonna and the child, painting by Jaimini Roy at the National Art Gallery.
1265	..	$\frac{1}{2}$ size	Rama from Vadakkuppanaiyur.
1266	..	..	Bronze cast of Gaurthi by Roy Choudhri.
1267	..	..	Natesa, Pudukkudi, Salem district.
XIV. 1	..	$\frac{1}{2}$ size	Face of Natesa from Tiruvelangadu.
2	..	..	Do.
3	..	..	Face of Natesa from Velanganni.
4	..	..	Do.
F. 1268	..	Small	Worship of Vrikshachaitya, Amaravati.
1269	..	..	Toilet scene, Amaravati.
1270	..	..	Dancing Ganesa in the lintel, Hoysala.
1271	..	..	Ardhanarisvara, Tiruchohinnapundi.



## APPENDIX V—cont.

*List of photo negatives prepared during the year 1962-63—cont.*

Negative number.	Size.	Particulars.
(1)	(2)	(3)
ARCHAEOLOGY—cont.		
1272 ..	Small	Dvarapalaka, Biccavol, Early Eastern Chalukyan.
1273 ..	"	Chandeswara, Thanjavur district.
1274 ..	"	Radha and Krishna wood carving in a wooden door, Madras Museum.
1275 ..	"	Horned Dvarapalaka, Kaveripakkam.
1276 ..	$\frac{1}{2}$ size	A general view of the Metalware and Industrial Arts Gallery.
1277 ..	$\frac{1}{2}$ size	Lady with mirror—painting by Ravivarma.
1278 ..	"	Yasoda and Krishna—painting by Ravivarma.
1279 ..	"	'A Retired Sepoy' by Ravivarma.
1280 ..	"	'Mother preparing vegetables—painting by Ravivarma.
1281 ..	"	'Going out' by Ravivarma.
1282 ..	"	Plaster cast of Buddha from Mathura.
1283 ..	"	Parvati and Vishnu.
1284 ..	"	Tirujnanasambandha and Siva.
1285 ..	"	Chandikeasvara (Back and front).
1286 ..	"	Wood carvings.
1287 ..	"	Wax model replica of Rama and Sita from Vadakkuppanaiyur.
1288 ..	Small	Sula, Treasure trove—Perumarudur—Arantangi taluk.
1289 ..	$\frac{1}{2}$ size	A view of the Silver Jubilee Exhibition of the Archaeological Society of South India.
1290 ..	"	Another view of the above.
1291 ..	"	Do.
1292 ..	"	Do.
1293A ..	$\frac{1}{2}$ size	Side view of a Thanjavur Nayak Queen from Thiruvidadaimarudur.
1294 ..	"	Drummer, Ivory carving from Sri Rangam temple.
1295 ..	"	Krishna with Rukmini and Satyabhama, Ivory carving from Srirangam temple.
1296 ..	"	Radhakrishna, Ivory carving from Srirangam temple.
1297A ..	"	Thanjavur Nayak Queen—front view Tiruvidadaimarudur.
1297B ..	"	Thanjavur Nayak Queen—Rear view Tiruvidadaimarudur.
1298 ..	"	Krishna destroying a demon in the shape of an animal.
1299 ..	$\frac{1}{2}$ size	A view of the Silver Jubilee Exhibition of the Archaeological Society of South India.
1300 ..	$\frac{1}{2}$ size	Toy lion.
1301 ..	"	Toys engaged in the preparation of Intoxicants.
1302 ..	"	Wolf—feeding Toys.
1303 ..	"	Man and Bull.
1304A ..	"	Toy Tut Moses III.
1304B ..	"	Tiger Riding.
1305A ..	"	Mummy of a cat.
1305B ..	"	Lady playing a musical instrument.
1306 ..	Small	Ardhanarisvara—Tiruchchinnampundi.
1307 ..	"	Buddha (seated) Nagapattinam.
1308 ..	"	Buddha (standing) Nagapattinam.
1309 ..	"	Dvarapalaka, Kaveripattinam.
1310 ..	"	Mahishasuramardini (Bronze), Thanjavur district.
1311 ..	"	Marukal Natesa, Porupumettupatti.
1312 ..	"	Rama and Sita (Bronze), Nannilam, Thanjavur district.
1313 ..	"	Kaliyakrishna.
1314 ..	"	Ganesa.
1315 ..	"	Somaskanda, Nellore.
1316 ..	"	Nataraja, Volanganni.
1317 ..	"	Varaha, no history.
1318 ..	"	Ranganatha with Sridevi and Bhudevi (stone), Villupuram.
1319 ..	"	Vishnu with consorts, Perunthottam.
1320 ..	"	Lakshmana and Hanuman, Tiruvelangadu, Thanjavur district.

## APPENDIX V—cont.

*List of photo negatives prepared during the year 1962-63—cont.*

Negative number.	Size.	Particulars.
(1)	(2)	(3)
ARCHAEOLOGY—cont.		
1321	Small	Narasimha.
1322	"	Rama and Sita, Tiruvelangadu, Thanjavur district.
1323	"	Sita as above.
1324	"	Sita, Nannilam, Thanjavur district.
1325	"	Goddess, Palayar, Thanjavur district.
1326	"	Subjugation of Nalagiri, Amaravati.
1327	"	Maya's dream, Amaravati.
1328	"	Buddhapada, Amaravati.
1329A	$\frac{1}{2}$ size	Vishnu, Treasure trove—Adhiwaranantham village, Chidambaram taluk.
1329B	"	Alvar, Treasure trove—Adhiwaranantham village, Chidambaram taluk.
1329C	"	Do.
1329D	"	Do.
1329E	"	Do.
1329F	"	Do.
1329G	"	Do.
1329H	"	Do.
1329I	"	Do.
1329J	"	Terracotta Juice Extractor.
1329K	"	Do.
1330	"	Balarama (wood carving).
1331	"	Venugopala with consorts, Chimakurti.
1332	"	Yoganarasimha and Vishnu.
1333	"	Bhairava, Mahaganapati and Mahishamardini.
1334	Small	Venugopala with consorts, Chimakurti.
1335	"	Dakshinamurti (small).
1336	"	Srinivasa with consorts, Sirupaniyur.
1337	"	Vaikuntanatha.
1338	"	Bhairava, Mahaganapati and Mahishamardini.
1339	"	Yoganarasimha and Vishnu.
1340	"	Valampuri Ganesa.
1341	"	Copper plate of Thanjavur Raja (No. 1).
1342	"	Kuram plates of Parameswara Varman (Pallava 5).
1343	"	Kuram plates of Parameswara Varman (Pallava 5) another view.
1344	"	Western Ganga, copper plates.
1345	"	Madras Museum, plates of Pandya Maravarman.
1346	"	Delhi Sultan, copper plate No. 1.
1347	"	Western Chalukya, copper plate No. 2.
1348	"	Madras Museum, plates of Uttamachola.
1349	"	Eastern Chalukya, copper plate.
1350	"	Eastern Ganga, copper plate.
1351	"	Salankayana, copper plate No. 11.
1352	"	Kiaagedahalli, plates of Sivaskandavarman.
1353	"	Vishnukundai, copper plate No. 1.
1354	$\frac{1}{2}$ size	Dalavanur cave and Lion, M. Puram.
1355	"	Arjuna Ratha and Mahadeva Ratha.
1356	"	Five Rathas (General view) and Bhima Ratha.
1357	"	Draupati Ratha and Anantasayin.
1358	"	Trivikrama and Varaha panels.
1359	"	Dharmaraja Ratha and Mahishamardini panel.
1360	"	The Shore temple.
1361	"	The Valayankuttai Ratha, 'M' Puram and Ranganatha temple, S. Nallur.
1362	"	Bhima Ratha and Kalantaka, G.K.C. Puram.
1363	"	Govardhanadhari and Narthamalai temple.

## APPENDIX V—cont.

*List of photo negatives prepared during the year 1962-63—cont.*

Negative number.	Size.	Particulars.
(1)	(2)	(3)
<b>ARCHAEOLOGY—cont.</b>		
1364	$\frac{1}{2}$ size.	The Thanjavur temple and G.K.C. Puram temple.
1365	"	Mantapa, Parasuram and Sarasvati.
1366	"	Candesanugrahamurti and Dancing sculpture.
1367	"	Portrait, S. Nallur and painting, Thanjavur.
1368	"	Natesa, Tiruvelangadu and Bhikshatana, Tiruvenkadu.
1369	"	Ardhanarisvara and Vrishauahana, Tiruvenkadu.
XIV 8	"	Head of Gandhara Buddha.
1370	$\frac{1}{2}$ size.	A portrait of Bahaddar, painting.
1371	"	Nawab Shajistaakan on horse back, painting.
1372	"	A Rag Rāgini painting.
1373	"	Do.
1374	Small.	Sri M. Bhaktavatsalam speaking on the occasion of opening the Special Exhibition.
1375	"	Sri V. T. Krishnamachari speaks.
1376	"	Another view of the above.
1377	"	Superintendent, proposing vote of thanks.
1378	"	Sri M. Bhaktavatsalam opening the exhibition by cutting the ribbon.
1379	"	In the Exhibition hall.
1380	"	Two Balakrishnas with articles used in temple worship, Treasure-trove from Ramanathapuram.
1381	"	Two Balakrishnas (side-view) Treasure-trove, Ramanathapuram.
1382	"	Another side view of the above.
1383	$\frac{1}{2}$ size.	Saivite saints, Polonnaruwa (taken from the Ceylon's Historical Journal special number).
1384	"	Avalokitesvara (?) Victoria and Albert Museum, London.
<b>CHILDREN'S SECTION.</b>		
F20	"	Barathanatyam and Manipuri dolls.
21	"	Kathakali figures (Rama, Seetha, Hanuman and Ravana).
22	"	Kathakali figures (Thadi, Krishna and Kettalan).
<b>CHEMICAL CONSERVATION.</b>		
CI55	"	Wood carving before restoration.
56	"	Wood carving after restoration.
57	"	Chemical conservation part of exhibition during Archaeological Society's Silver Jubilee celebrations—A view.
CH1117	6 cm. × 6 cm.	Views of tripod before cleaning at different angles from above.
118	"	
119	"	
120	"	Views of tripod kept inverted.
121	"	
122	"	
123	"	Pedestal before cleaning.
124	"	
125	"	
126	"	Prabha from different angles before cleaning.
127	"	
128	"	
129	"	Two views of Tripuranthaka before restoration—Front and back respectively.
130	"	
131	"	
132	"	Prabha after cleaning.
133	"	Pedestal after cleaning.
134	"	Cathode stand with a bronze in position.
CH1133	"	Cathode plates showing wear and tear.
134	"	Cathode rod to show action of electrolytic process and alkali on cathode.
135	"	Wooden objects before treatment.
136	"	
137	"	
138	$\frac{1}{2}$ size.	Amaravathi Frieze
139	$\frac{1}{2}$ size.	Bottle scene.
140	"	Do. Flying Monks.
141	"	Do. Medallion on wall in open air.

## APPENDIX VI.

*Price list of Madras Government Museum Bulletins (New Series).*

*Note.*—Orders for copies of the publications should be accompanied by remittance to cover the cost and Postage. For the trade terms, the Works Manager, Government Press, Madras, or the Superintendent Government Museum, Madras, should be addressed.

Volume and number.	Description.	Number of pages.	Number of plates.	Price.
(1)	(2)	(3)	(4)	(5)
				rs. P.
NATURAL HISTORY SECTION.				
Vol. I, No. 1, 1927. ..	The Littoral Fauna of Krusadai Island in the Gulf of Mannar, with appendices on the vertebrates and plants. By various authors.	196	26	8 00
† Vol. I, No. 2, Part I, 1933.	Supplement to the Littoral Fauna of Krusadai Island in the Gulf of Mannar —Polychæta by P. Fauvel, Pycnogonida by B. Sundara Raj, and Alpheidæ by F. H. Gravely.	79	1	2 00
† Vol. I, No. 2, Part 2, 1931.	Three Species of Aleyonaria. By Sydney J. Hickson, F.R.S. (with three test figures).	9	Nil.	0 25
† Vol. I, No. 2, Part 3, 1936.	Scyphomedusæ of Krusadai Island. By M. G. K. Menon, M.A.	9	1	0 50
† Vol. I, No. 2, Part 4, 1937.	Supplement to the Littoral Fauna of Krusadai Island in the Gulf of Mannar —Porifera. By M. Burton, D.Sc.	58	9	1 87
† Vol. I, No. 2, Part 5, 1943.	The Foraminifera of Krusadai Island in the Gulf of Mannar. By C. P. Gnanamuthu, M.A., D.Sc. F.Z.S.	21	4	1 37
Vol. I, No. 2, Part 6 ..	Amphineura and Gastropoda of Krusadai Island. By S. Thomas Satyamurti, M.A., F.Z.S.	267	34	10 75
Vol. I, No. 2, Part 7 ..	Scaphopoda, Pelecypoda and Cephalopoda of Krusadai Island. By S. T. Satyamurti, M.A., D.Sc., F.Z.S.	202	30	9 37
† Vol. II, 1929 .. ..	The Flowering Plants of the Madras City and its immediate neighbourhood. By P. V. Mayuranathan, M.A., Botanical Assistant, Madras Museum.	345	38	8 00
Vol. III, No. 1, 1930 ..	The Scyphomedusæ of Madras and the neighbouring coast. By M. G. K. Menon, M.A., Research Scholar, Madras University Zoological Laboratory.	28	3	1 12
Vol. III, No. 2, 1932 ..	The Hydromedusæ of Madras. By M. G. K. Menon, M.A.	32	3	1 12
Vol. III, No. 3, 1933 ..	The Life Histories of Decapod Crustacea from Madras. By M. Krishna Menon, M.A.	45	10	} Bound in one volume. 2 37
Vol. III, No. 4, 1933 ..	Sagitta of the Madras Coast. By C. C. John, M.A., D.Sc.	10	1	
Vol. III, No. 5, 1937 ..	Decapod Larvæ from the Madras Plankton. By M. Krishna Menon, M.A., M.Sc.	55	9	1 87
Vol. III, No. 6, 1940 ..	Decapod Larvæ from the Madras Plankton —II. By M. Krishna Menon, M.A., M.Sc.	47	8	1 50
Vol. IV, No. 1, 1931 ..	The Indian Species of Genus Caralluma (Fam. Asclepiadaceæ). By F. H. Gravely, D.Sc., and P. V. Mayuranathan, B.A., Government Museum, Madras.	28	4	1 50
† Vol. IV, No. 2, 1938 ..	Supplement to the Flowering Plants of Madras City and its immediate neighbourhood. By E. Barnes, D.Sc.	46	7	1 67
Vol. V, No. 1, 1941 ..	Shells and other Animal Remains found on the Madras Beach. I. Groups other than Snails, etc. By F. H. Gravely, D.Sc.	112	Nil.	3 12
Vol. V, No. 2, 1942 ..	Shells and other Animal Remains found on the Madras Beach. II Snails, etc. (Mollusca Gastropoda). By F. H. Gravely, D.Sc.	110	Nil.	2 75

† This number is reserved for supplements to Krusadai Island, Fauna.

‡ Out of stock.

## APPENDIX VI—cont.

## Price list of Madras Government Museum Bulletins (New Series)—cont.

Volume and number.	Description.	Number of pages.	Number of plates.	Price.
(1)	(2)	(3)	(4)	(5) RS. P.
NATURAL HISTORY SECTION—cont.				
Vol. VI, No. 1, 1949 ..	The Thaliacea of the Madras Plankton. By R. Velappan Nair, M.Sc.	41	6	1 75
† Vol. VI, No. 2 ..	Cirripedia of the Madras Coast. By A. Daniel.	40	16	2 37
Vol. VI, No. 3, 1959 ..	The Amphipoda of the Madras Coast. By K. Nagappan Nair, M.Sc.	59	16	4 35
Vol. VI, No. 4, 1960 ..	The Land and Freshwater Mollusca in the Collection of the Madras Government Museum. By S. T. Satyamurti, M.A., D.Sc., F.Z.S.	174	21	13 00
1960 ..	Guide to the Snakes exhibited in the Reptile Gallery. By S. T. Satyamurti, M.A., D.Sc., F.Z.S.	25	—	00 75
	Guide to Snakes exhibited in the Reptile Gallery (Tamil). By S. T. Satyamurti, M.A., D.Sc., F.Z.S.	26	..	0 62
	Guide to the Lizards, Crocodiles, Turtles and Tortoises exhibited in the Reptile Gallery (English). By S. T. Satyamurti, M.A., D.Sc., F.Z.S.	85	..	1 37
GENERAL SECTION (WITH SEPARATE VOLUMES FOR ANTHROPOLOGY AND ARCHAEOLOGY RESPECTIVELY).				
Vol. I, No. 1, 1929 ..	Buddhist Sculptures from a Stupa near Goli village, Guntur district. By T. N. Ramachandran, M.A.	44	4	2 75
† Vol. I, No. 2, 1932 ..	Catalogue of the South Indian Hindu Metal Images in the Madras Government Museum. By F. H. Gravely, D.Sc., and T. N. Ramachandran, M.A.	144	23	5 50
† Vol. I, No. 3, 1934 ..	Thiruparuttikundram and its temples with appendices on Jaina units of measurement and time, cosmology and classification of souls. By T. N. Ramachandran, M.A.	260	37	11 25
Vol. II, No. 1, 1930. ..	The Adichanallur skulls. By S. Zeckerman, M.A., M.B.C.S., L.R.C.P., with notes by Prof. G. Elliot Smith, F.R.S.	24	3	1 37
Vol. II, No. 2, 1931. ..	The Sri Vaishnava Brahmins. By Diwan Bahadur K. Rangachari, M.A., L.T.	158	2	5 75
Vol. III, No. 3, 1931 ..	Catalogue of the Musical Instruments exhibited in the Government Museum, Madras. By P. Sambamurthi, B.A., B.L. (Revised Edition).	32	9	2 25
† Vol. II, No. 4, 1937 ..	Social and Physical Anthropology of the Nayadis of Malabar. By A. Aiyappan, M.A.	141	12	3 12
Vol. III, No. 1, 1934 ..	The Three Main Styles of Temple Architecture recognized by the Śilpaśāstras. By F. H. Gravely, D.Sc., and T. N. Ramachandran, M.A.	26	2	1 10
Vol. III, No. 2, 1936 ..	An Outline of Indian Temple Architecture. By F. H. Gravely, D.Sc.	23	1	0 50
Vol. III, No. 3, 1936 ..	Catalogue of Venetian Coins in the Madras Government Museum. By T. G. Aravamuthan, M.A., B.L.	59	1	1 50
† Vol. III, No. 4, 1939 ..	Indian Epigraphy and South Indian Scripts. By C. Sivaramamurthi, M.A.	230	12	14 50
	Guide to the Archaeological Galleries. An Introduction to South Indian Temple Architecture and Sculpture. By F. H. Gravely, D.Sc. and C. Sivaramamurthy, M.A., and other Curators.	48	8	0 55

† This number is reserved for supplements to Kruasalai Island Fauna.

‡ Out of stock.

## APPENDIX VI—cont.

*Price List of Madras Government Museum Bulletins (New Series)—cont.*

Volume and number.	Description	Number of pages.	Number of plates.	Price.
(1)	(2)	(3)	(4)	(5) Rs. P.
<b>GENERAL SECTION (WITH SEPARATE VOLUMES FOR ANTHROPOLOGY AND ARCHAEOLOGY RESPECTIVELY)—cont.</b>				
1939 .. ..	Illustrations of Indian Sculpture—Mostly Southern. For use with the Guide to the Archaeological Galleries. By F. H. Gravely, D.Sc., and C. Sivaramamurthi, M.A.	..	45	0 95
Vol. IV, 1942.. ..	Amaravati Sculptures in the Madras Government Museum. By C. Sivaramamurthi, M.A.	376	65	16 50
† Vol. V, No. 1, 1944 ..	Iravas and Culture Change. By A. Aiyappan, M.A., Ph.D. (London).	204	12	16 64
Vol. VI, No. 1, 1952 ..	Possible Sumerian Survivals in Toda Ritual. By H.R.H. Prince Peter of Greece, M.A. (Hry), LL.D.	24	10	6 30
†1952 .. ..	Madras Government Museum Centenary Souvenir (1851-1951).	158	12	5 00
1952 .. ..	Guide to the Buddhist Antiquities. By A. Aiyappan and P. R. Srinivasan.	58	..	0 80
Vol. VII, No. 1, 1954 ..	Nagapattinam Bronzes. By T. N. Ramachandran.	150	30	6 00
1953 .. ..	Coins of India Through the ages ..	17	3	0 40
† 1957 .. ..	Early Eastern Chalukyan Sculpture By C. Sivaramamurthi.	71	35	2 90
Vol. VII, No. 3, 1959 ..	Select Satavahana Coins in the Madras Government Museum. By M. Rama Rao, M.A., Ph.D.	23	2	1 75
Vol. VII, No. 4, 1959 ..	Beginnings of the Traditions of South Indian Temple Architecture. By P. R. Srinivasan, M.A.	34	..	1 70
Vol. VII, No. 5, 1959 ..	The Gopuras of Tiruvannamalai. By F. H. Gravely, D.Sc.	8	13	5 90
1960 .. ..	Handbook of Museum Technique, Edited by A. Aiyappan, M.A., Ph.D., and S. T. Satyamurthi, M.A., D.Sc., F.Z.S.	228	11	2 75
Kala: Chelvungal by R. Nagaswamy .. ..				1 00
Scripts in and around India by Sri V. Kanniyar .. ..				2 70

*Catalogues (Old Series) †*

	Price.
	Rs. P.
1. Catalogue of Pre-historic Antiquities—By R. Bruce Foote—1901 .. ..	5 25
2. The Foote Collection of Indian Pre-historic and Protohistoric Antiquities. Catalogue Raisonne—By R. Bruce Foote—1914.	2 00
3. Catalogue of Pre-historic Antiquities from Adichanallur and Perumbair—By A. Rea—1915.	1 50
4. The Foote Collection of Indian Pre-historic and Protohistoric Antiquities. Notes on their Ages and Distribution—By R. Bruce Foote—1916.	9 75
† 5. Catalogue of Exhibits in the Economic Products Section except wood specimens—By S. N. Chandrasekara Ayyar—1921.	2 12
6. Catalogue of the coins of Haider Ali and Tippu Sultan—By J. B. Henderson—1921 ..	4 00
† 7. Catalogue of copper-plate grants .. ..	0 87
8. Gramophone records of the languages and dialects of the Madras Presidency. Text of Passages.	1 25
† 9. Catalogue of Batrachia, Salientia and Apoda (Frogs, Toads and Ceeilians of South India)—By E. Thurston—1888.	2 50
† 10. Guide to the Natural History and Mineral Galleries—1890 .. ..	0 12
† 11. Science series No. 1—Preliminary Report on the Marine Fauna of Rameswaram—1887.	0 62
† 12. Coins of Sultans of Delhi—By E. Thurston—1893 .. ..	0 10

† Out of Stock.

APPENDIX VI—*cont.*  
*Catalogues (Old Series)—cont.*

Volume and number.	Description.	Price. rs. P.
† 1. No. 1 .. ..	Pearl and Chank Fisheries in the Gulf of Mannar. By E. Thurston—1895.	1 25
2. No. 3 .. ..	Rameswaram Island and Fauna of the Gulf of Mannar. By E. Thurston—1895.	1 50
† 3. Vol. II, No. 1. ..	Anthropology: Badagas and Irulas of the Nilgiris, Paniyans of Malabar: A Chinese-Tamil Cross, A Cheruman skull; Kuruba or Kurumba: summary of results. By E. Thurston—1897.	2 00
4. Vol. II, No. 2. ..	Anthropology: Eurasians of Madras and Malabar: Note on Their Tattooing, etc. By E. Thurston—1898.	1 00
5. Vol. III, No. 2. ..	The Sea Fisheries of Malabar and South Kanara. By E. Thurston—1900.	1 25
6. Vol. III, No. 3. ..	Anthropology: Nayars of Malabar. By F. Fawcett—1901.	1 50
† 7. Vol. IV, No. 2. ..	Anthropology: The Dravidan Head Yanadis of Nellore—1902.	1 00
† 8. Vol. IV, No. 3. ..	Anthropology: Some Marriage Customs in South India: Deformity and Mutilation: Uralis, Shologas and Irulas: Fire-walking in Ganjam, Corporal punishment in vernacular schools—1903.	0 75
9. Vol. V, No. 1. ..	Anthropology: Vision of the Uralis and Shologas: More marriage customs in Southern India: Hook-swinging, Pulayans—1903.	1 00

† Out of stock.

APPENDIX VII.

*Receipts and Expenditure.*

A. Receipts—

	rs. P.
1 Sale of Publications .. .. .	2,019 87
2 Sale of Hand Book .. .. .	194 57
3 Sale of Picture Post cards .. .. .	380 24
4 Sale of Photos .. .. .	865 18
5 Reproduction charges .. .. .	45 01
6 Sale of Microfilming copies .. .. .	8 00
7 Coins .. .. .	1,414 88
8 Metal cast of coins including packing boxes .. .. .	51 44
9 Replica of Tiruvelangadu Nataraja .. .. .	1,000 00
10 Miscellaneous Receipts other than Theatre: Miscellaneous receipts—including unclaimed Theatre Refund. .. .. .	100 13 8 96
11 Theatre Rents .. .. .	5,565 00
12 Overtime fees of Caretaker (Government share only) .. .. .	406 00
13 Unspent police charges .. .. .	123 91
14 C.E. Hall Rent .. .. .	418 00
Total .. .. .	12,601 19



## APPENDICES RELATING TO THE GOVERNMENT MUSEUM, PUDUKKOTTAI.

## APPENDIX A.

*Number of visitors to the Museum during the year 1962-63.*

	<i>Months.</i>										<i>Number.</i>
<b>1962—</b>											
May	..	..	..	..	..	..	..	..	..	..	14,247
June	..	..	..	..	..	..	..	..	..	..	15,753
July	..	..	..	..	..	..	..	..	..	..	17,685
August	..	..	..	..	..	..	..	..	..	..	15,748
September	..	..	..	..	..	..	..	..	..	..	19,807
October	..	..	..	..	..	..	..	..	..	..	16,757
November	..	..	..	..	..	..	..	..	..	..	17,654
December	..	..	..	..	..	..	..	..	..	..	15,241
<b>1963—</b>											
January	..	..	..	..	..	..	..	..	..	..	13,709
February	..	..	..	..	..	..	..	..	..	..	14,347
March	..	..	..	..	..	..	..	..	..	..	13,497
April	..	..	..	..	..	..	..	..	..	..	14,415
Total										..	1,88,860

## APPENDIX B.

*List of schools which visited the Museum from 1st May 1962 to 30th April 1963.*

<i>Serial number and name and place of school.</i>	<i>Number of teachers.</i>	<i>Number of students.</i>
(1)	(2)	(3)
1 Yuvapuri Youth School, Madurai .. .. .	1	17
2 Panchayat Union Elementary School, Suranviduthi .. .. .	1	11
3 Panchayat Union Elementary School, Avayarpatti .. .. .	19	..
4 Aided Elementary School, Perambur .. .. .	21	..
5 Elementary School, Vilapatti, Madurai district .. .. .	4	90
6 Iluppur Panchayat Union Elementary School, Iluppur .. .. .	4	90
7 T. E. L. C. Senior Basic School, Pudukkottai .. .. .	2	40
8 Panchayat Union School, Perundurai .. .. .	2	40
9 Bela Samratshana Vidyasalai, Pudukkottai .. .. .	6	62
10 Municipal Basic Elementary School, Pudukkottai .. .. .	4	120
11 Panchayat Union Higher Elementary School, Perambur .. .. .	3	88
12 Municipal School, Karaikkudi .. .. .	12	75
13 T.A. High School, Thiruvaidaimarudur .. .. .	7	47
14 Government Syed Muthuzh High School, Tiruchirappalli .. .. .	4	86
15 R. C. Senior Basic School, Marthandapuram .. .. .	3	55
16 Government Basic Training School, Pudukkottai .. .. .	5	97
17 Union Higher Elementary School, Thiruvankulam .. .. .	2	25
18 Municipal Basic School, Malayasodu .. .. .	1	35
19 Union Junior Basic School, Rajapatti .. .. .	2	40
20 Ponniah High School, Tiruchirappalli .. .. .	5	150
21 Panchayat Union Elementary School, Vaithur .. .. .	1	26
22 Union Basic School, Thodaiyur .. .. .	2	31
23 N.K.V. Sala, Karaikkudi .. .. .	5	64
24 Union Elementary School, Mookanpatty .. .. .	2	26
25 Sri K.A.H. School, Chinnamanur .. .. .	6	65
26 Britto School, Kallai .. .. .	6	65
27 Government Training College, Pudukkottai .. .. .	1	45
28 St. Joseph Senior Basic School, Dhedakkottai .. .. .	3	30
29 R. C. High School, Nachandipatti .. .. .	6	75
30 Visalakshi Kala Salai, Thekkur .. .. .	6	50

## APPENDIX B—cont.

*List of schools which visited the Museum from 1st May 1962 to 30th April 1963—cont.*

<i>Serial number and name and place of school.</i>	<i>Number of teachers.</i>	<i>Number of students.</i>
(1)	(2)	(3)
31 Panchayat Union Basic School, Orathanadu .. .. .	6	107
32 Karandhai Pulavar College, Thanjavur .. .. .	1	13
33 V. T. Girls High School, Thekkur .. .. .	1	35
34 Union Higher Elementary School, Vagaval .. .. .	5	45
35 Thayumanavar Higher Elementary School, Tiruchirappalli .. .. .	12	85
36 P. S. Hindu Elementary School, Tiruchirappalli .. .. .	9	60
37 Kalyana Sundaram High School, Thanjavur .. .. .	9	60
38 St. Joseph's College, Tiruchirappalli .. .. .	20	..
39 Kalyana Sundaram High School, Thanjavur .. .. .	6	50
40 Do. Britto High School, Devakkottai .. .. .	10	..
41 Hasanathuljaria Senior Basic School, Pudukkottai .. .. .	4	75
42 T.E.L.C. Senior Basic School, Pudukkottai .. .. .	4	50
43 Panchayat Union Senior Basic School, Vilankulam .. .. .	1	13
44 Panchayat Union Basic School, Sammttividuthi .. .. .	2	21
45 K.G.S. Higher Elementary School, Thirupanandal .. .. .	23	100
46 Subbaramayyar Junior Basic School, Pudukkottai .. .. .	2	70
47 R. C. School, Pudukkottai .. .. .	3	75
48 Hasanathuljaria Senior Basic School, Pudukkottai .. .. .	3	75
49 R. C. Higher Elementary School, Palayam .. .. .	6	75
50 R.C. Senior Basic School, Pudukkottai .. .. .	3	53
51 Panchayat Union Basic School, Mangottai .. .. .	1	15
52 Panchayat Union Basic School, Masheiyur .. .. .	1	20
53 Municipal Basic School, Karaikkudi .. .. .	10	108
54 Union Basic School, Annachathiram .. .. .	1	20
55 Ponnamaravathi Panchayat Union Basic School .. .. .	3	45
56 Arch. Therasal High School, Thiruthuraiipoondi .. .. .	2	22
57 Basic School, Kandramanickampattamargalam .. .. .	10	50
58 Municipal Senior Basic School, Rajagopalapuram .. .. .	2	50
59 Panchayat Union Secondary School, Kulathupatti .. .. .	2	17
60 Basic School, Malaikkudipatti .. .. .	2	26
61 Chottinad Union School, Karaikkudi .. .. .	2	14
62 Municipal Basic Elementary School, Pudukkottai .. .. .	6	60
63 Panchayat Union Basic School, Variappatti .. .. .	2	15
64 Panchayat Union Basic School, Thirumayam .. .. .	1	23
65 Panchayat Union Senior Basic School, Peravurani .. .. .	3	45
66 Panchayat Union Basic School, Pattukkottai .. .. .	2	52
67 Senior Basic School, Puthambur .. .. .	3	30
68 Municipal Senior Basic School, Tiruvappur .. .. .	2	40
69 Panchayat Union Elementary School, Sembaur .. .. .	2	10
70 T.E.L.C. Basic Training School, Usilampatti .. .. .	4	54
71 Panchayat Union Junior Basic School, Andakkulam .. .. .	2	32
72 Higher Elementary School, Melasivapuri .. .. .	2	36
73 R. C. School, Huppur .. .. .	4	29
74 Union Higher Elementary School, Konnaiyur .. .. .	1	8
75 Union Higher Elementary School, Karaiyur .. .. .	1	12
76 Sri Ambika Aided Elementary School, Kothamangalapatti .. .. .	2	10
77 Board High School, Thirumayam .. .. .	4	47
78 Gandhi Samadharma Basic School, Pallathur .. .. .	2	17
79 Board Middle School, Gandhinagar .. .. .	3	65
80 Union Basic School, Ramapatti .. .. .	2	10
81 Sri Ram Higher Elementary School, Tiruchirappalli-8 .. .. .	15	10
82 A.A.M.E. School, Pallathur .. .. .	5	30
83 Union Elementary School, Kammankadu .. .. .	2	10
84 Union Elementary School, Melathaniam .. .. .	1	10

## APPENDIX C.

*List of specimens added to the Government Museum, Pudukkottai.*

## Botany—

- 1 Pavonia.
- 2 Sida sp.
- 3 Andrographis sp.
- 4 Barleria sp.
- 5 Justicia sp.
- 6 Mussenda sp.
- 7 Ixora sp.
- 8 Pavetta indica
- 9 Spermacoceae sp.
- 10 Oldenlandia sp.
- 11 Randia sp.
- 12 Grewia sp.
- 13 Ammania sp.
- 14 Mangifera sp.
- 15 Acacia sp.
- 16 Mimosa pudica.
- 17 Psidium gova.
- 18 Hiptis sp.
- 19 Mazus sp.
- 20 Bonnia sp.
- 21 Lonveera sp.
- 22 Torenia sp.
- 23 Trema orientalis.
- 24 Plectranthus sp.
- 25 Achras sp.
- 26 Phyllanthus sp.
- 27 Exacum bicolor.
- 28 Leea sambiciina.
- 29 Evolvulus sp.
- 30 Cassytha filiformis.
- 31 Polygonum sp.
- 32 Limnophila sp.
- 33 Scutellaria sp.
- 34 Croton sp.
- 35 Ventilago sp.
- 36 Parkinsonia sp.
- 37 Pistia sp.
- 38 Smithia sp.
- 39 Herpestes sp.
- 40 Andropogon sp.
- 41 Bambusa sp.
- 42 Russelia sp.
- 43 Bignonia sp.
- 44 Anisomeles sp.
- 45 Heliotropium sp.
- 46 Epaltes sp.
- 47 Avicennia sp.
- 48 Tragia sp.
- 49 Euphorbia sp.
- 50 Walthera sp.
- 51 Aegeceras majus,
- 52 Turnera sp.
- 53 Jasminum sp.
- 54 Erythroxylon sp.
- 55 Kylinga sp.
- Ophiorhiza sp.

## Botany—cont.

- 57 Cleor odendron sp.
- 58 Lantana indica.
- 59 Stephygyne.
- 60 Plumbago sp.
- 61 Fouzolzia sp.
- 62 Centranthera sp.
- 63 Glycosmis sp.
- 64 Eugenia jombolana.
- 65 Gloriosa sp.
- 66 Lepidogetis sp.
- 67 Justicia sp.
- 68 Andrographis sp.
- 69 Ludwigia sp.
- 70 Leucas sp.
- 71 Vernonia sp.
- 72 Cassia siamea.
- 73 Solanum sp.
- 74 Indigofera sp.
- 75 Gomphrena sp.
- 76 Oldenlandia umbellata.
- 77 Zizuphus sp.
- 78 Commelina sp.
- 79 Solanum xanthocarpum.
- 80 Cassia sp.
- 81 Phyllanthus sp.
- 82 Physalis sp.
- 83 Ipomaea pestigridis.
- 84 Acacia melanoxylon.
- 85 Aerva sp.
- 86 Gmelina sp.
- 87 Helistres.
- 88 Rawulfia sp.
- 89 Popalia sp.
- 90 Abrus sp.
- 91 Stachytarphyta sp.
- 92 Evolvulus sp.

## Zoology—

- 93 Barbus stigma.
- 94 Barilius sp.
- 95 Macronus vitatus.
- 96 Chela sp.
- 97 Plotosus canius.
- 98 Danio aequipinnata.
- 99 Barbus avrulius.
- 100 Rasbora sp.
- 101 Arius venge.
- 102 Labeo fimbriatus.
- 103 Saccobranchus fossilis.
- 104 Nuria sp.
- 105 Macronus cavasius.
- 106 Chameleon.
- 107 The Indian Koel (Female).
- 108 Athene brama (The spotted owl.)

## APPENDIX C—cont.

*List of specimens added to the Government Museum, Pudukkottai—cont.***Anthropology—**

- 109 Iron cannon balls. Largest size weight 21 lb.,  
97 balls.
- 110 Iron cannon balls. Medium size. Weight  
12 lb., 145 balls.
- 111 Iron cannon balls. Small size. Weight 4 lb.  
410 balls.

**Archaeology—**

- 112 Jayashtha Devi, 4' height.
- 113 Hero Stone.
- 114 Rathi and Manmatha.

## APPENDIX D.

*List of books added to the Museum Library during 1962-63.*

- 1 Man-in-India, Vol. 42, No. 1 January-March, 1962.
- 2 Do. 2 April-June 1962.
- 3 Do. 3 July-September 1962.
- 4 Do. 4 October-December, 1962.
- 5 Do. 43, No. 1 January-March 1963.
- 6 Marg, Vol. XV, No. 2 March, 1962.
- 7 Do. 3 June 1962.
- 8 Do. 4 September 1962.
- 9 Do. XVI No. 1 December, 1962.
- 10 Journal of the Bombay Natural History Society, Vol. 69, No. 1, April, 1962.
- 11 Journal of the Bombay Natural History Society, Vol. 69, No. 1, April 1962.
- 12 Madras Account Code, Vol. I, III Edition, 1962.
- 13 The Madras Treasury Code Vol. I, III Edition 1962.
- 14 5,000 Years Art from India.
- 15 Elements of Library Classification by S. R. Ranganathan.
- 16 Consolidated Report of State Museum, Lucknow.
- 17 Lifco Dictionary (English-English-Tamil).
- 18 Wards Biological supplies catalogue No. 611.
- 19 Museum Documentation and practical handling by Anil Roy Choudry.
- 20 Museums in Schools by M. S. Chandrasekhar.
- 21 Green colour preservations of plants by M. S. Chandrasekhar.
- 22 The use of local flora in developing biological course by M. S. Chandrasekhar.
- 23 Preservation and display of geological specimens in the Government Museum, Madras, by M. S. Chandrasekhar.

## APPENDIX E.

*Statement showing receipts and expenditure in the Government Museum, Pudukkottai.*

## (A) Receipts.

						RS.
Sale of Handy Guide (English)	..	..	..	..	..	3-60
Sale of Handy Guide (Tamil)	..	..	..	..	..	..
				Total	..	3-60

## APPENDIX E—cont.

*Statement showing receipts and expenditure in the Government Museum, Pudukkottai.*

## (B) Expenditure.

## 27. Scientific Departments.

a. Museums—A. Museums.						Budget grant. (2)	Actual expenditure. (3)
(1)						RS.	RS.
1. Pay of establishment	..	..	..	..	..	12,800	12,312
2. Allowance—							
(a) Travelling allowance	..	..	..	..	..	644	416
(b) Dearness allowance	..	..	..	..	..	2,233	2,252
(c) Other Compensatory allowance	..	..	..	..	..	600	581
3. Office contingencies—							
(a) Furniture and fittings	..	..	..	..	..	541	541
(b) Rates and taxes	..	..	..	..	..	542	500
(c) Pay of contingent staff	..	..	..	..	..	521	521
(d) Dearness Allowance to contingent staff	..	..	..	..	..	639	639
(e) Special compensatory allowance to contingent staff.	..	..	..	..	..	400	390
(f) Other contingencies	..	..	..	..	..	2,321	2,440
4. Other charges—							
(a) Apparatus and materials	..	..	..	..	..	425	454
(b) Cost of specimens	..	..	..	..	..	12	12
(c) Other charges	..	..	..	..	..	438	340
						22,116	21,906
5. Plan Scheme.—							
Pay of establishment	..	..	..	..	..	1,114	1,118
Dearness allowance	..	..	..	..	..	155	160
Other compensatory allowance	..	..	..	..	..	36	36
						23,421	23,220

## APPENDIX F.

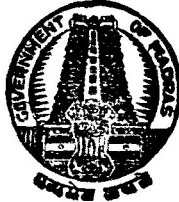
*Statement showing the newly made show-cases, etc., for the different sections of the Museum, during the year 1962-63.*

1 Zoology	..	..	..	..	A wall case was provided to the wet crustacean specimens. A wall stand was provided to the case containing skeleton of the Bony fish.
2 Botany	..	..	..	..	The specimens of timber exhibited on the floor boards were fixed firmly on the boards with iron brackets. An ordinary picture frame was converted into a plywood frame; and the good photographs of botany section were neatly exhibited.
3 Anthropology	..	..	..	..	Removed the ornamental cornice of the hexagonal show-case containing jewellery, and fixed the wooden labels directly on the panel below the cornice. A plywood panel was provided between the Arms section and pre-historic section to separate them.
4 Arts and Industry	..	..	..	..	Remounting 14 new photographs in the old frames themselves.
5 Bronze	..	..	..	..	Eleven new photographs were framed in the old frames themselves. Framing a printed label of Muvarkoil.
6 Taxidermist room	..	..	..	..	Removed one of the old cupboards from tiffin shed to Taxidermist room for the accommodation of tools and instruments.
7 Office	..	..	..	..	Provided 50 pairs of brass key tokens for the keys in the key boards. Repaired the broken legs of the almirah containing Library books.

## APPENDIX G.

*List of distinguished people who visited the Museum during the year 1962-63.*

Date of visit.	Name and designation.
(1)	(2)
16th February 1963	Sri T. V. B. C. Colaco, District and Sessions Judge, Tiruchirappalli.
29th April 1963	Sri S. Rajendran, Deputy Inspector-General of Police, Tiruchirappalli.



EDUCATION AND PUBLIC HEALTH DEPARTMENT

(Education.)

**G.O. No. 1003, 10th June 1964**

Museums—Administration Report—Government Museums at Madras and Pudukkottai and National Art Gallery, Madras, for the year 1962-63—Recorded.

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READ—the following paper :—

Letter from the Superintendent, Government Museum, dated 30th May 1963,  
No. 2292/63-E.

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Order—No. 1003, Education, dated 10th June 1964.

Recorded.

(By order of the Governor)

**J. ANJANI DAYANAND,**  
*Deputy Secretary to Government.*

To the Controller of Stationery and Printing, Madras-1 (for printing and supply of copies).

- „ Superintendent, Government Museum, Madras-8.
- „ Director of Public Instruction, Madras-6.
- „ Accountant-General, Madras-18.
- „ Director-General of Archaeology in India, New Delhi.
- „ Revenue Department.
- „ Librarian, Madras Legislature Library, Madras-9.
- „ Librarian, Madras Secretariat Library, Madras-9.
- „ Industries, Labour and Co-operation Department.

