



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

FOR THE YEAR
1965-66

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GOVERNMENT OF MADRAS
1967

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ADMINISTRATION REPORT FOR 1965-66.

GOVERNMENT MUSEUM, MADRAS.

GENERAL.

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

1. Prof. M. Hara, Department of Sanskrit, University of Tokyo, Japan.
2. Prof. V. I. Pavlov, Academy of Sciences, U.S.S.R.
3. Dr. M. Caldwell, American Consulate-General, Madras.
4. Mr. Albracht Weglan, University of Frankfurt, West Germany.
5. Dr. Ronald M. Berndt, Anthropologist, University of Western Australia, Nedlands.
6. Mrs. Berndt, Anthropologist, University of Western Australia, Nedlands.
7. Mr. G. S. Srinivasan, I.A.S., Secretary, Department of Agriculture, Mysore State.
8. Mr. Petre Bodent, Rumania.
9. Mr. Raikumar Singh, Leader of the Manipuri Cultural Troupe.
10. Mr. N. Kailasan, Deputy Minister, Education, Maharashtra State, Bombay.
11. Mr. A. Patrick, American Association of Museums, Washington D.C., U.S.A.

They were received and taken round the various galleries of the museum by the Director, Assistant Director and the Curators.

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

1. Manganese ores (Geology section).
2. Copper plates (Archaeology section).
3. The Montgolfier Balloon (Children's section).
4. Vegetable Dyes and Mordants (Botany section).

Popular lectures on museum subjects.—A scheme of popular lectures by the museum staff on selected topics bearing on the fields covered by the museum for the benefit of college students, scholars and the general public was launched during the period and the following lectures were delivered under this programme :—

1. "Sharks" by Sri Kesavaram, Curator, Zoology section.
2. "Plants for Landscaping" by Sri M. S. Chandrasekhar, Curator, Botany section.
3. "Manganese Ores" by Sri E. George Jesudossan, Curator, Geology section.
4. "A Day with the Tribal Groups" by Sri N. Devasahayam, Curator, Anthropology section.
5. "What we learn from Epigraphical Records" by Sri V. N. Srinivasa Desikan, Curator, Archaeology section.

6. "Habits and Ecology of some South Indian Amphibians" by Dr. S. T. Sathyamurti, Director of Museums, Government Museum, Madras.

7. "Radioisotopes" by Sri S. Thangavelu, Curator, Chemical Conservation section.

Besides the above lectures, the Director delivered the following lectures and popular talks during the year under report :—

1. Radio talk on "Animals in Camouflage".

2. "Current Trends in Museum Activities" to the students of the Women's Christian College, Madras.

3. "Indian Birds" at St. Christopher's Training College, Madras, in connection with the Science fair.

4. A course of three lectures on Museology to the students of the M.A. Degree Course in Archaeology of the Madras University.

Museum demonstrations.—As in the previous year, demonstrations to the teachers of the local high schools were conducted during the month of November 1965 and February 1966 for the benefit of the teachers of the various local high schools in the museum galleries on Saturdays. These demonstrations enabled the teachers in their turn to guide the pupils round the galleries.

Audio-visual aids.—Sale of the miniature bronze replicas of Rama and Sita and Nataraja and the electroplated metal casts of coins were continued as usual during the year. Sale of picture postcards, photographs and photographic albums was also continued.

Reorganization and development of the Museum.—The year under report was the last year of the Third Five-Year Plan period and hence many of the schemes of modernization and expansion taken up as part of the Third Plan were completed. The modernization of the Bird Gallery along the entire length of all the four sides of the gallery were completed. In the Geology Gallery, the display and installation of the exhibits in the newly constructed series of modernized cases, depicting Economic Geology were taken up and nearly completed towards the end of the year under report. Several large murals copied from temples in South India were mounted and framed in specially made picture frames and exhibited. Installations for the new Philatelic Gallery in the newly constructed hall on the first floor adjacent to the Botany Gallery were almost completed towards the close of the year under report.

UNESCO Regional (International) Seminar on the Development of Museums.—The Director attended and participated in the UNESCO Regional Seminar on the Development of Museum, held in New Delhi and Bombay from 30th January to 28th February 1966. The Director served as one of the three Indian participants at this International Seminar and presented a paper on "Current Trends in Museum Functions" and a slide show on the Madras Museum at the Seminar. The programme of the Seminar also included tours to several museums, archaeological sites and monuments including Jaipur, Banaras, Saranath, Sanchi, Ajanta and Ellora and the Director participated in all these tours.

Central Advisory Board of Museums.—The Director attended the meeting of the Central Advisory Board of Museums and the meeting of the Standing Committee of the Central Advisory Board of Museums held at Poona on 5th and 6th January 1966.

Museums Association of India.—The Director attended the annual meeting of the Museums Association of India and participated in the Annual Seminar of the Association, held at Poona on 4th, 5th and 6th January 1966, presenting two papers, one on "Museums of Science" and the other on "Museums and the Arts".

Museum Advisory Committee.—The Director convened a meeting of the Museum Advisory Committee on 22nd September 1965 at 4 p.m. at the museum premises.

National Art Gallery Committee.—The Director convened a meeting of the National Art Gallery Committee on 21st April 1965 at 5-30 p.m. at the National Art Gallery.

Miscellaneous Committees.—The Director served as an official member on the Export Control (Import) Committee, the General Council of the State Lalit Kala Academy, Regional Committee for the Survey of Historical Records, State Small Scale Industries and Handicrafts Board and the State Tourist Traffic Advisory Committee and attended the meetings of these committees during the year.

Government Museum, Pudukkottai.—The Director of Museums inspected the Government Museum, Pudukkottai from 5th to 13th August 1965 and made suggestions for its improvement.

Padmanabhapuram Palace and Museum of Antiquities.—The Director inspected the Padmanabhapuram Palace and Museum of Antiquities on 27th and 28th October 1966, jointly with the Director of Archaeology, Kerala State, and submitted his report to Government on the results of his inspection.

Publications.—The following publications were brought out by the Museum during the year :—

1. Guide to the Fish Gallery by S. T. Satyamurti, Director of Museums.
2. Guide to the Children's Gallery by A. Vimala, Assistant Curator, Zoology section.
3. Nagapattinam Bronzes by T. N. Ramachandran (Reprinted).
4. Indian Epigraphy and South Indian Scripts by C. Sivaramamurti (Reprinted).

Besides the above publications, the Director published a book on the "Preservation of Biological Specimens" through the Baroda University and edited the Indian Museums Review for 1961-64 on behalf of the Ministry of Education, Government of India. The Director also published several articles, including one on "Museums of Science and Technology" in the Muscology Number of the "Cultural Forum" and finalised his typescript of the Guide to the Bird Gallery.

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

1. Descriptive catalogue of the Butterflies in the collection of the Madras Government Museum by S. T. Satyamurti, Director of Museums.
2. Dowlaishwaram Hoard of Eastern Chalukyan and Chola Coins by Prof. T. Balakrishnan Nair.
3. Guide to the Principal Exhibits in the Government Museum, Pudukkottai by M. S. Chandrasekhar, Curator, Botany section.
4. South Indian Amphibia in the collection of the Madras Government Museum by S. T. Satyamurti, Director of Museums.
5. Guide to the Invertebrate Galleries by S. T. Satyamurti, Director of Museums.

ZOOLOGY.

Additions to the collections—

1. The Bar-headed Goose (*Anser indicus*).
2. The Indian Green Magpie (*Cissa chinensis chinensis*).
3. The Spoonbill Duck (*Anas clypeata*).
4. The Silver-eared Mesia (*Mesia argenteauris argenteauris*).
5. The White Ibis (*Threskiornis melanocephalus*).
6. Four corals.
7. Twenty Bird skins.
8. The Jerdon's Imperial Pigeon (*Ducula badia*).

9. The Jungle Bush Quail (*Perdicula asiatica*).
10. The Adult Female White-browed Giffon (*Hylobates hoolock*).
11. Two study skins of the Brahminy Duck (*Casarca feruginea*).
12. The Scaly Anteater or Indian Pangolin (*Manis crassicaudata*).
13. A study skin of the Cassowary.
14. A study skin of the Blood pheasant (*Ithaginis cruentus*).
15. Red wattled lapwing (*Lobivanellus indicus*).
16. A study skin of the Cattle Egret (*Bubulcus ibis*).
17. The Small Skylark (*Alauda gulgula*).
18. A study skin of the Nepal Kalij Pheasant with damaged tail (*Geopelia leucomelanus*).

Additions to the Galleries—

1. The Malabar Pied Hornbill (*Hydrocissa coronata coronata*).
2. A pair of Rhesus Macaque (*Macaca mulatta*).
3. The skull of Cheetah (*Acinonyx jubatus*).
4. Two Little Egrets (*Egretta garzetta*).
5. The Cattle Egret showing breeding plumage (*Bubulcus ibis*).
6. A pair of Red-winged Crested Cuckoo (*Clamator coromandus*).
7. The Crow Pheasant (*Centropus sinensis*).
8. The Tree Pie (*Dendrocitta vagabunda*).
9. The Golden Oriole (*Oriolus oriolus*).
10. Indian Green Magpie (*Cissa chinensis chinensis*).
11. The White Ibis (*Threskiornis melanocephalus*).
12. The Female White-browed Gibbon (*Hylobates hoolock*).
13. The Ring-necked Pheasant (*Phasianus torquatus*).
14. The Silver-eared Mesia (*Mesia argenteauris argenteauris*).
15. The Jerdon's Imperial Pigeon (*Ducula badia*).
16. The nest of the Tailorbird (*Orthotomus sutorius*).

Work in the Galleries—Invertebrate Galleries.—The old discoloured mount used for mounting the photograph of the lac insects was replaced by a fresh one. The old discoloured Indian ink drawing of Pycnogonid was replaced by a freshly drawn one. The systematic series of shell specimens were fixed to their respective varnished base planks with an adhesive and re-exhibited inside four sloping cases in this gallery. Painting of four sloping cases was completed. Gaps formed between the side planks covering the bases of most of the sloping cases were covered with patti and varnished. The discoloured specimen of a Centipede was replaced by a recently collected one and this has been preserved in a special liquid preservative to retain the natural colour.

Fish, Amphibian and Reptile Galleries.—The cracks formed on the whale shark specimen during summer were covered with 'compo' and the paint touched up afterwards. The table on which the plaster casts of frogs (*Rana cyanophryctis*) were exhibited inside a centre case was fixed firmly to the wall in the Amphibian gallery. The rim lock of the sloping case containing the stuffed specimen of Python was replaced by a good one.

Bird Galleries.—Wooden painted cut-out letters were fixed to all the newly added modernised show cases in the Bird gallery. The old and discoloured Egret specimens exhibited inside the diorama were replaced by newly stuffed ones. The painting and the ground work with the vegetation inside the diorama of Storks and Egrets were completely redone to create a better, natural effect. The old discoloured specimen of the little Egret exhibited inside the systematic case was replaced by a recently stuffed one. The four walls of the Bird gallery were painted with green emulsion paint so that it can

match with the interior colour of the showcases. The diorama of Great Indian Bustard was continued and completed during the year. The old specimen of the Tailor Bird was mounted along with the nest on a branch and re-exhibited in the new Bird gallery.

Mammal Gallery.—The old specimen of the Lion-tailed monkey was renovated and re-exhibited in the Mammal gallery. The large show-case which was formerly used for exhibiting the Cat-bear was used for exhibiting the two Gibbons in the Mammal gallery after transferring the Cat-bear into a small show-case. One of the old squirrel specimen was replaced by a recently stuffed one. The old discoloured Painted Bat specimen was touched up with natural colours and re-exhibited inside the same show-case in this gallery. The old skin of the Leopard cat which was detached from the background plank at the anterior part was refixed properly and re-exhibited.

General Galleries.—The soiled and damaged lower portions of the pillars in the skeleton gallery were replastered and repainted with a draker shade of grey colour paint. Two old large discoloured photographs illustrating the wild elephants were replaced by freshly prepared photographic enlargements. Six sloping cases were painted in the skeleton gallery and the integumentary structures were re-exhibited inside them. One of the teeth from the skull of the sperm whale was refixed firmly when it was found shaking. Plans of the modernised show-cases to be constructed during the Fourth Five-Year Plan in the Skeleton, Flight in Animals, Foreign Animals, Reptile and Amphibian galleries were drawn and sent to the Wood Working Unit for furnishing estimates. The clamps used for fixing the tusks were replaced by newly prepared ones. One of the sloping cases containing the dental parts representing the dentition of herbivorous animals was provided with painted pedestals of suitable sizes and the specimens were rearranged and exhibited in the skeleton gallery.

The routine weekly checking of the galleries by the Curator, dusting of the interior of show-cases, cleaning of glass panes of show-cases, provision of naphthalene balls, replacement of broken glass panes with good ones, rectifying minor defects, refilling, bladdering and painting of the gallery specimen jars and provision of lysol and camphor plugs and powdered naphthalene for the gallery insect cabinets and exhibition boxes were continued during the year as usual. Touching up of the old painted labels fixed on to the show-cases was continued in different galleries. The old, discoloured descriptive labels were replaced by newly printed ones in several galleries.

Preservation of Reserve collection.—Personal attention was given by the Curator to the thorough cleaning and replanishing with fresh preservatives (rectified spirit or formation as the case may be) of the large number of reserve collection jars. Old washers of the kilner jars were replaced by the new 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, crabs, shells, etc., were systematically provided with fresh lysol 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 the Bird skins was examined periodically and provided with naphthalene powder and spray of tik-20.

Publications and Research—

1. Guide to the Fish Gallery by the Director was published.
2. Guide to Invertebrate galleries by the Director was under publication.
3. Bulletin on South Indian Amphibians by the Director was under publication.
4. Bulletin on South Indian Butterflies by the Director was under publication.
5. The photographs of birds to be used for the publication of the Guide to Bird galleries were being prepared.
6. The Curator continued his research on the Family Acrididae.

Educational work.—

1. Some of the Zoological specimens were exhibited during the exhibition on 'Quest for Food'.
2. One of the spider specimens (*Phrynicus*) was sent to the Curator, Prince of Wales Museum of Western India, Bombay for study and return.
3. The excavated window pane oysters brought by Mr. Abdul Hameed, Geological Assistant, State Geology Department, were identified and returned.
4. A demonstration of the stuffing and mounting of Pigeon was arranged for the students belonging to the Science Club of Lady Willingdon Training School.
5. Insect specimens were lent to Stella Matutina Training College for conducting an exhibition.
6. Museum demonstration for High School teachers was conducted on 4th December 1965.
7. Dr. H. G. Stubbings, Admiralty Materials Laboratory, No. 7, Holton Heath was shown the Cirriped collections.
8. Dr. K. C. Jayaramakrishnan, Superintending Zoologist, Zoological Survey of India, Calcutta was shown the marine collections.
9. The shell specimens received from Dr. A. M. Nadakal, Reader, Department of Zoology, Trivandrum University, were identified and returned to him.
10. The shell specimens received from Sri O. N. Gurumani, Professor of Zoology, R.D.M. College, Sivaganga, were identified and returned to him.
11. Mr. Raoul Serene, UNESCO expert for South East Asia, Marine Animal Taxonomy, was allowed to examine Crustaceans in the collections.
12. Dr. Thivari, Superintending Zoologist, Zoological Survey of India, examined the reserve collection of Crustaceans.
13. Mr. Shanker, Taxidermist from Madras Christian College was given training in the Section regarding the setting up of diorama cases.
14. Mohammed Kasim, Attender from New College was given a short term training in Taxidermy.
15. Tamil equivalents for the list of English names of Fishes were prepared as far as possible and sent to the Curator, Government Museum, Pudukkottai.

Photographs added.—One hundred and ten photographs were added during the year.

Plans for the year 1966-67 :—

1. Modernisation of the central part of the Bird Gallery the Skeleton and Reptile galleries.
2. Renewal of rim locks for show-cases in the different galleries.
3. Renewal of old and faded diagrams in the Invertebrate gallery using the document printer.
4. Collection of fresh specimens of insects and filling up of the empty insect cabinet drawers in the Invertebrate gallery.
5. Touring to Coimbatore Agricultural College and Research Institute for studying specimens belonging to Family Acrididae.
6. Completion of card indexing of gallery specimens and reserve collections.
7. Picture postcards of six butterflies.
8. Special exhibitions of Foreign shells and Migration of Birds.

BOTANY.

*New additions to the collections (including reserve).—*One specimen of *Acetabularia* sp., a model of an enlarged filament of *Ulothrix* and a model of an enlarged single cell of *Spirogyra*, and a guide-chart for landscaping (by M. S. Randhawa) were purchased.

A young specimen of *Ficus bengalensis* with a very long tap-root, was collected and added; over a hundred specimens were collected for the herbarium from the areas around Tiruvellore, Tiruttani and Kancheepuram.

Five samples of pineapple fibre and its products were received free of cost, from Sri S. Sengupta, Central Handicrafts Development Centre, Bangalore-7.

Procurement of samples of cotton, silk and wool dyed with vegetable dyes from the Kalakshetra Dye Research Centre, Adayar, in exchange for herbarium specimens, was under way during the year.

*New additions to the galleries.—*One herbarium specimen of *Salvadora persica*, and a model of an enlarged filament of *Ulothrix* sp. (the latter displayed against a suitably-prepared background) were the additions to the exhibits in the Systematic Botany gallery. In the Economic Products gallery, four photographs of plans and five samples of pineapple-fibre and its products were displayed in the "brushes" series and "miscellaneous fibres" series respectively.

*Improvements to the galleries.—*During this year, the Botany galleries were provided with two air-circulators. In the Systematic Botany gallery, the spray-paint in the modernised show-case for the bamboo-rhizomes and the distemper in the show-case for the model of pollination of *Salvia* flower were renewed. Seven broken hinges of the vertical cases, were also renewed. The walls and ceiling were coated with plastic emulsion paint of a pleasing pale green colour. During this process, twenty show-cases became stained with drops of plastic emulsion paint, and seventeen of them were re-polished.

In the Economic Products gallery, an old exhibit of the photograph of *Borassus flabellifer* was replaced by a more suitable and better photograph. The modernised show-case of the "sugarcane" series, was treated with insecticides. The spray-paint in three modernised show-cases of the "fibres" series was renewed.

*Labelling and preservation.—*The display of nine exhibits in the Systematic Botany gallery and of fourteen exhibits in the Economic Products gallery, was improved. The exhibits of dummy cigars were renovated, and the preservative for twelve exhibits of commercial sea-weeds was renewed, in the Economic Products gallery.

Thirty specimens of sea-weeds and nine old herbarium specimens in the reserve collections were renovated. Preservation of leaves of *Wrightia tinctoria* and *Lewsonia alba*, flowers of *Michelia champaca* and *Clitoria ternatea*, barks of *Casuarina equisetifolia* and *Mangifera indica*, root-bark of *Toddalia aculeata*, fruit-rind of *Aegle marmelos*, and a young specimen of *Ficus bengalensis* with very long tap-root, was attended to. Preservation of over a hundred specimens collected for the herbarium by the Curator, was also attended to. Five samples of pineapple-fibre and its products and four new photographs were neatly mounted for display in the galleries, thirty-five half-tone printing-blocks in copper were stored dry in an ice-box purchased and specially utilised for the purpose.

Labels for sixty-six individual exhibits and for eight groups of exhibits were renewed in the galleries. The display of labels of three individual exhibits in the Systematic Botany gallery was improved. New labels for thirty-one specimens and for two groups of specimens, were prepared. One hundred and sixty-four photographs in the album were provided with legends. As many as 375 index cards were prepared for the reserve collections.

As a measure of improvement to the garden, the circular part in front of the Director's study was brick-bordered and eighty-six saplings of *Acalyphas*, *Lantanas*, *Bougainvilleas* and *Drooping Asokas* were planted at important places.

Research.—Twenty-nine rough sketches were prepared for illustrating the Bulletin on Ferns now under preparation by the Curator. Revision of the manuscripts in consultation with the available literature was taken up and almost completed, when further literature became available from the Botanical Survey of India. Consultation of these books necessitated another revision of the manuscripts, which was no sooner taken up than the period under review drew to a close.

Eleven old photographs in the section were identified.

Revision of the late Sri P. V. Mayuranathan's work on "Flowering plants of The Madras City and Its Immediate Neighbourhood" was taken up by the Curator, and preparation of a guide to the Economic Products gallery, was taken up by the Assistant Curator, Botany Section.

Publications.—"Guide to the Principal Exhibits in the Government Museum, Pudukkottai" by the Curator, Sri M. S. Chandrasekhar, was in the Press during the year under review.

Facilities to research-Workers and others.—Facilities were afforded as usual to research workers and others, some of the beneficiaries being Sri Periaswami, Inspecting Officer, Customs Department, Sri Vaitheeswaran, formerly of Bala Bharath, Sri Kandaswami, Industrial Investments Corporation, Sri A. Perumal, Santiniketan, and Prof. Bonnel, Research Scholar, Council of Scientific and Industrial Research.

Photographs added.—Four photographs relating to *Corypha umbraculifera*, *Borassus pinnatifida*, *Phoenix sylvestris* and *Tectona grandis*, as well as four 35 mm. slides depicting the arrangement of show-cases in the Economic Products gallery, were prepared during this year.

Plans for the year 1966-67.—Additions to the collections—Specimens for the herbarium and for a few proposed dioramas will be collected.

Additions and improvements to the galleries.—One model of an enlarged single cell of *Spirogyra* will be exhibited in the Systematic Botany gallery. A morphology series will be started in the same gallery. A number of raw-materials for vegetable dyes and samples of cotton, silk and wool, dyed with them, will be added to the exhibits of dyes in the Economic Products gallery.

Research and publications.—A bulletin on ferns will be got ready for the press. Manuscripts for a brief guide to the Economic products gallery will be prepared. A revision of the Flowering Plants of the Madras City and Its Immediate Neighbourhood by the late Sri P. V. Mayuranathan, will be undertaken and completed if possible. The "Guide to the Principal Exhibits of the Government Museum, Pudukkottai," will be released for sale. A set of six coloured picture postcards depicting selected botanical topics will be prepared.

GEOLOGY.

Additions to the collections.—Specimens of fire clay from Pannikuppam, South Arcot district, were collected and added.

Specimens of leptynite and charnockite were collected from Pallavaram and added.

Specimens of apatite crystals, steatite with actinolite, porphyritic syenite, core of limestone, magnetite quartzite malachite and chalcocopyrite, malachite, orthoclase, feldspar, limestone, bauxite and muscovite were received from the State Geologist, Department of Industries and Commerce, Industrial Estate, Guindy, Madras-52.

Limestone with dendritic markings was received from the Government of Madras.

Improvements to the galleries.—Re-organising and fixing the Economic Geology exhibits in the modernised built-in show-cases was in progress. Pelmets were being provided for the windows in the gallery. Two air-circulators were provided in the Gallery. All the blinds on the windows in the Economic Geology Gallery were dyed and re-fixed. Three vertical cases belonging to General Geology and one to Rocks were painted and the specimens were re-exhibited in them. The old unbound chart showing the principal rock types in the earth's crust which was exhibited in the General Geology gallery was replaced by a coloured, glass-bound one. All the cardboard boxes, except five, on which fossils were mounted were removed and the specimens mounted on wooden planks. The wooden pedestals on which eight fossil specimens were mounted were removed and the specimens were mounted on wooden planks in order to effect uniformity in display. Thirty eight wooden planks on which fossils were mounted were made to stand in an inclined angle so that the specimens and the labels could be seen more clearly. Four Cretaceous fossil specimens were mounted on ledges. Seven plaster pedestals in which fossils were partly embedded and displayed were removed and the specimens were mounted on wooden planks and re-exhibited in the Gallery. This was done in order to effect uniformity in display. All the rock specimens, except a few, were provided with plaster pedestals which were suitably distempered. Similar pedestals were provided for eighteen General Geology specimens and eight specimens exhibited under Moh's scale. All the pedestals on which minerals were mounted and the pedestals of five fossil specimens and one General Geology specimen were suitably distempered. The cloth lining in three sloping cases and one table case in the Economic Geology Gallery were distempered as they were stained by the rain water trickling from above. The wooden trays on which two specimens of orpiment were mounted were removed and the specimens were mounted on plaster pedestals and re-exhibited in the Mineralogy Gallery. Some of the rock specimens were provided with struts and made to stand in a vertical manner so that they could be seen more clearly. The photographs, map and label pertaining to Glaciers were cleaned, re-bound and re-exhibited as they were spoilt by the rain water. Partitioned teak-wood trays were provided for the core samples received from the Geological Survey of India, Madras.

Labelling and preservation.—Labels for eighty-seven fossil specimens and one mineral specimen in the Gallery were renewed. Three labels for fossils were re-bound as their binding were destroyed by insects. Family names were provided for sixteen fossil specimens. Twenty Economic Geology specimens in the reserve collections were provided with labels. Labels for twenty mineral specimens in the reserve collections were renewed. The marcasite specimen exhibited under minerals and the graptalite specimen exhibited under fossils were preserved. Four rock salt specimens were being preserved. Index cards were prepared for 380 specimens in the reserve collections.

Facilities to research workers and others.—(1) A list of some of the important glass exhibits in the gallery was furnished to the Corning Museum of Glass, New York.

(2) Information about fossils in South India was furnished to Dr. P. V. Venkataramaya of 2/400, Nehru road, Kalahasti.

(3) Information about gold and meteorites was furnished to Sri N. P. Narayan, Senior Store-keeper, Indian Institute of Technology, Guindy.

(4) The exhibits in the Gallery were explained to a group of six High School Teachers from Madras City.

(5) Training was given to Miss. Nagakanni, the new Gallery Guide of this Museum.

Photographs added.—1. A general view of the Economic Geology Gallery on the mezzanine floor above the Geology Hall.

2. Front and side views of the central modernised show-cases in the Geology Hall.

3. Back view of the modernised show-cases showing the door at the back partly opened.

Plans for the year 1966-67.—Pelments will be provided for the windows in the Gallery and efforts will be made for providing screens for them. Reorganising and fixing the Economic Geology exhibits in the modernised show cases is to be completed. It is proposed to provide cut-out letter captions for the modernised show cases. Efforts will be made for purchasing Geological columns and to import ultra-violet bulbs for re-working the fluorescent unit. The interiors of a few vertical cases will be painted. It is proposed to collect a specimen of steatite with talc. Efforts will be made to panel up the bottom portion of the wall show-cases containing building stones.

ANTHROPOLOGY.

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

(a) One papler mache figure of Lord Jaganath, Puri, was purchased from Dr. A. Aiyappan, Department of Anthropology, Utkal University, Orissa, for Rs. 30.

(b) Four palaeolithic hand axes, two palaeolithic scrapers, and two palaeolithic from Dr. A. Aiyappan for Rs. 52.

(c) Ten Ethnographic materials of Nagas from Manipur were got by exchange from the Department of Anthropology, D.M. College, Imphal, Manipur.

(d) Forty-five photographs (10 inches by 12 inches) of different tribes of North India were purchased from Sri Sachidananda, Director, Bihar Tribal Research Institute, Ranchi, for Rs. 182.40 P.

(e) Twelve Tribal photographs, thirteen arrows and eleven spears of Congo tribes were received by exchange from Dr. J. Nenquin, Department of Pre-history and Anthropology, Musee Royal De Congo Belge, Tervuren, Belgium.

2. The following pre-historic materials were added to the collection :—

(a) One rare neolithic celt from Orissa was purchased from Dr. A. Aiyappan, for Rs. 15.

(b) Four palaeolithic hand axes, two palaeolithic scrapers, and two palaeolithic discoidal cores from Yelleswaram of Nalgonda District, Andhra Pradesh, were got by exchange from Prof. M. V. Moorthy, Andhra University, Waltair.

(c) Fifty microlithic implements from Chanda, Maharashtra, were received as gift from Sri L. K. Srinivasan, School of Archaeology, New Delhi.

(d) Seven megalithic potteries, two suspected human bone fossil pieces, and two neolithic implements from Kaliapuram and Anamalai Hills, Coimbatore were collected by the Curator, while on tour assisted by the staff of the Board High School, Vettai-karanputtur, Pollachi, Coimbatore District.

(e) Twelve palaeoliths, three neoliths, seven iron age potteries and four iron materials from Congo were received by exchange from Dr. J. Nenquin, Musee Royal De Congo, Belge, Tervuren, Belgium.

(f) A dozen palaeolithic stone tools from Attirampakkam site, Chingleput district, were presented as gift by Kumari Shanthi Nesaratnam, Assistant, Pananthope Railway Colony Aided High School, Ayanavaram, Madras.

(g) One photographic (40 inches by 30 inches size) coloured enlargement of "Man the tool maker"—with three scenes of Abbevillean, Acheulean and Mousterian cultures, was purchased from Klein & Peyerl, Madras, for Rs. 214.20 P.

3. The following arm was added to the collection :—

(a) One Japanese steel sword was purchased from Dr. A. Aiyappan, for Rs. 75.

4. The following musical instrument was added to the collection :—

(a) One nara veena—a stringed musical instrument was purchased from Sri M. R. Balakrishna Naidu, Hyderabad, for Rs. 60.

Work in the galleries.—The Ethnology gallery II was provided with an air-circulator and a modern false ceiling. The interior walls of the Ethnology and Kathakali galleries were coated with pale cream and light green plastic emulsion paint to match the interior of the cases. Painted wooden cut-out captions were fixed to the Ethnology II and Kathakali galleries. Plans for modernising the Musical Instruments, the Ethnology III and Physical Anthropology galleries were prepared and submitted to the Wood Working Unit, Guindy, Madras. Renovating the ceiling in front of the Kathakali Gallery verandah and providing new decorated tin sheets to the same to give a better appearance, is nearing completion. The building roof was completely checked and repaired thereby reducing the leakage during the rainy season. Bust models of Kadar (male and female), Todas (male and female) and Saoras (male) were given proper colour retouch and were re-exhibited in the Ethnology gallery. Pedestals of the vahanams case were painted with a pleasing colour scheme and was provided with yellow coloured Khasi background curtain. A descriptive bilingual label for the exhibit "The churning of the sea of milk" was put up in the Ethnology gallery. Two sign boards near the stair cases leading to the Ethnology galleries were repainted and the letters were rewritten freshly. Three foreign tribal cases in the physical Anthropology gallery were distempered to remove stains.

One photographic coloured enlargement of "Man the tool maker" was displayed in the prehistory gallery. The base of the Ram Sarcophagus case was painted with sky blue colour to give better relief. All the sloping and vertical cases in the Mohenja-daro gallery were distempered to remove stains.

The outdoor exhibits of cannons were completely cleaned and coated with grease, and their rusty sign boards were chemically treated and the letters were re-written freshly.

All the sloping and vertical cases in the Musical Instruments gallery were painted and distempered in order to remove stains.

Preservation of reserve collection.—One hand axe, two swords, nearly twelve dozen human bones from Adichanallur, Mohanur and Kaliapuram, one sign board of cannon and twenty-eight musical instruments were chemically treated and preserved.

Training and lectures.—The newly appointed guide to the Natural History section of the Museum, was given training in the section. The students of the School of Archaeology, New Delhi, Department of Anthropology, Utkal University, Orissa, Music Academy, Madras, and the city school teachers were given training in Anthropology.

The Curator delivered twelve lectures to the students of the Diploma course in Anthropology, Madras University, and one lecture to the students of the M.A. degree course in Ancient History and Archaeology, Madras University, during the course of the year. The Curator also delivered a popular lecture on the subject. "A day with the tribal group" (Korawas) for the benefit of the students of colleges and schools in the city.

Facilities to research workers.—Research facilities were rendered to the following :—

1. Dr. J. T. Cornelius, Madras—Nilgiris megalithic terracottas.
2. Sri R. Nagaraja Rao, Karnataka University, Mysore—Pottery remains from Patpad coache, Mysore.

3. Dr. (Mrs.) Ludmila Shaposhnikova, Lecturer in German, University of Madras—Khond tribal totemic figures.
4. Sri Yeshwant Rai, Bharat Yuvak Samajam, New Delhi—Criminal tribes of South India.
5. Dr. Gift Siromoney, Madras Christian College, Tambaram—Old stone age artifacts.
6. Sri K. V. Soundararajan, Superintendent, Archaeological Survey of India, Temple Survey Project, Madras—Neolithic tools of Bruce-Foote from Salem District.
7. Messrs. B. Saran and H. N. Singh, Archaeological Survey of India, Atlas Branch, Nagpur—Kerala megalithic potteries.
8. Mrs. Maris Buck, Simpson Medical Centre, Madras—Adichanallur megalithic excavations.
9. Mr. Wayne E. Begley, Department of Indic studies, Pennsylvania University, Philadelphia—Nilgiris Burial potteries.
10. Mrs. B. Varadarajan, Alwarpet, Madras—Musical Instruments of Kanis.
11. Sri K. V. Shivappa and Mrs. Pramela Pandi, Central Leather Research Institute, Adyar, Madras—Leather shadow play figure.
12. Mr. Abdul Aziz ben Yahaya, Curator for Archaeology, National Museum, Kuala Lumpur, Malaya—Leather shadow play figure.
13. Dr. (Mrs.) Stella Kramrish, Curator for Indian Art, Philadelphia Museum of Art, Philadelphia—Leather shadow play figure.

Research and publications.—1. Sri M. D. Raghavan's bulletin on the "Glaciations and the prehistoric Ages" was in the final stages of printing.

2. Research papers on "The Mudugas of Attapady" and the "South Indian Tali rites" were under preparation by Sri C. J. Jayadev.

3. Collection of literature for the preparation of a guide-cum-catalogue of the leather shadow figures, was being attended by the Curator.

4. A catalogue on the collections of arms in the Museum was under preparation by the Assistant Curator.

Photographs added.—Fifty-one $2\frac{1}{2}$ size, thirty quarter size and three half size film negatives were prepared during the year and forty photographs were added to the sectional album.

Plans for the year 1966-67.—1. Organizing a leather shadow play figures gallery.

2. Provision for regular storage rooms for the Ethnographic collection with doors underneath the stair case in the front building.

3. Farming and exhibiting a few photographs of Assam and NEFA tribal groups in the Ethnology galleries.

4. Completion of the Physical Anthropology Gallery with exhibits.

5. Single glass panes for the Introductory case in the pre-history and two cases in the Physical Anthropology Galleries.

6. Changing the background of show cases in the Arms Gallery.

7. Printing of M. D. Raghavan's paper on the "Glaciations and Prehistoric Ages".

8. Finalising the research papers of "Tali Rite" and "Mudugas of Attapady" by C. J. Jayadev for publication.

9. Continuing the preparation of guide-cum-catalogue of the puppets in the **Madras Museum**.

10. Continuing the preparation of the descriptive catalogue of the **Arms Gallery**.

11. Arranging special exhibitions on the following.—

(1) Congo tribal and pre-historic materials.

(2) Naga ethnographic materials from Manipur.

12. Installing the recently acquired treasure trove cannon in the **Museum compound**.

NUMISMATICS.

New additions.—(a) **Treasure Trove.**—Twenty-seven Indo-British Rupee coins—Eighteen Rupees of Victoria, eight of Edward VII and one George V Rupee from **Ellurapalli** village, Musiri taluk, Tiruchirappalli district.

(b) *Purchase.*—(1) Eight gold, twenty-nine silver, two hundred and seventy-seven copper and two lead coins—Chola, Chera, Setupati, Pandyan, Roman, **Satavahana**, Kushan, Indo-Dutch, Indo-British, Travancore, Ancient and Dutch Ceylon and Punch-marked from Sri A. Raghavan, Palayamkottai.

(2) Two silver and nineteen copper coins belonging to Travancore, **Baroda**, Gwalior, Indore, Rutlam, Great Britain, Germany, German East Africa, British East Africa, Netherlands Indies, Tunis, Muscat and Ceylon and one bronze medal of Pope Leo XIII from Sri S. I. Ignatius, Madras.

(3) Seven gold coins of Victoria, Faridkot, Bharatpur, Oudh Nawab, Patiala, Malerkotla and Kashmir from the Prime Minister's Secretariat, New Delhi.

(4) Twenty silver coins of U.S.A., Indo-British, Indo-Dutch, Britain, South Africa, British **Starits Settlements**, Ceylon, Hongkong and Netherlands Indies from Miss Grace Selvam, Madras.

(5) Twenty-six gold coins—Kalachuri, Kongu Chera, Mysore Sultan Tipu, Indo-British, Three Swami Pagoda, Vijayanagar Pagoda, Kongu Chera, Travancore and South Indian Panam from Sri T. Mahadevan, Madras.

(6) Twenty-one thousand six hundred and ninety-six postage stamps from Father Hilary, Kanyakumari district.

(c) *Gift.*—Seven copper coins of Asalla Deva of Narwar from the Government of Uttar Pradesh.

(d) *Transfer.*—One thousand four hundred and ninety-nine late South Indian copper coins from the Government Museum, Pudukkottai.

Work in the Section.—The coins acquired during the year and all the treasure trove hoards received were examined and the new additions were accessioned.

The 43,392 old postage stamps purchased from Father Hilary were re-framed and fixed on new stands constructed by the Wood Working Unit and the stands were displayed in the newly organized Philatelic gallery.

Facilities to Research workers and others.—The Assistant Director of Museums was deputed by the Government to examine and evaluate collections of coins proposed to be acquired by the Sri Meenakshi Sundareswarar Devasthanam, Madurai.

Sri M. M. Prabhu, Mangalore, was helped to identify a collection of coins.

Publications and research.—The bulletin on the Dowlashwaram Hoard of Chola and Eastern Chalukyan coins was still in the press.

The Curator continued his study of the late South Indian copper coins.

Photographs added.—One full and two half size and three quarter size photographic negatives were added.

Plans for the year 1966-67.—It is proposed to prepare metal casts of about 250 selected South Indian coins, representative of all the important dynasties and display them in gallery.

ARCHAEOLOGY.

Additions to the collections.—The following were added during the period under review :—

(a) By Treasure Trove—

1. Vishnu (bronze), Ananthapuram, Polur Taluk, North Arcot District.
2. Nataraja (bronze), Avanam Paruthiyur, Nannilam Taluk, Thanjavur District.
3. Sivakamisundari (bronze), Avanam Paruthiyur, Nannilam Taluk, Thanjavur District.
4. Devi (bronze), Avanam Paruthiyur, Nannilam Taluk, Thanjavur District.
5. Somaskanda (bronze), Avanam Paruthiyur, Nannilam Taluk, Thanjavur District.
6. Four Tripods, Emmanankondan, Ramanathapuram Taluk, Ramanathapuram District.
7. Two kindys, Emmanankondan, Ramanathapuram Taluk, Ramanathapuram District.
8. Two sombus, Emmanankondan, Ramanathapuram Taluk, Ramanathapuram District.
9. Two plates, Emmanankondan, Ramanathapuram Taluk, Ramanathapuram District.
10. Krishna (as Venugopal), Kandarathirtham, Udayarpalayam Taluk, Tiruchirappalli District.
11. Vishnu, Kandarathirtham, Udayarpalayam Taluk, Tiruchirappalli District.
12. Sri Devi, Kandarathirtham, Udayarpalayam Taluk, Tiruchirappalli District.
13. Bhu Devi, Kandarathirtham, Udayarpalayam Taluk, Tiruchirappalli District.
14. Rukmini, Kandarathirtham, Udayarpalayam Taluk, Tiruchirappalli District.
15. Satyabhama, Kandarathirtham, Udayarpalayam Taluk, Tiruchirappalli District.
16. Varaha, Kandarathirtham, Udayarpalayam Taluk, Tiruchirappalli District.
17. Garuda, Kandarathirtham, Udayarpalayam Taluk, Tiruchirappalli District.
18. Sudarsana, Kandarathirtham, Udayarpalayam Taluk, Tiruchirappalli District.
19. Lakshminarayana, Kandarathirtham, Udayarpalayam Taluk, Tiruchirappalli District.
20. Narasimba, Kandarathirtham, Udayarpalayam Taluk, Tiruchirappalli District.
21. Sri Devi, Kandarathirtham, Udayarpalayam Taluk, Tiruchirappalli District.
22. Bhu Devi, Kandarathirtham, Udayarpalayam Taluk, Tiruchirappalli District.
23. Saint, Kandarathirtham, Udayarpalayam Taluk, Tiruchirappalli District.
24. Balakrishna, Kandarathirtham, Udayarpalayam Taluk, Tiruchirappalli District.
25. Chakra, Kandarathirtham, Udayarpalayam Taluk, Tiruchirappalli District.
26. Paduka, Kandarathirtham, Udayarpalayam Taluk, Tiruchirappalli District.
27. Salagrama (stone), Kandarathirtham, Udayarpalayam Taluk, Tiruchirappalli District.

92. Cup (copper), Kandirathirtham, Udayarpalayam Taluk, Tiruchirappalli District.
29. Vishnu, Chidambaranathapuram, Kumbakonam Taluk, Thanjavur District.
30. Sri Devi, Chidambaranathapuram, Kumbakonam Taluk, Thanjavur District.
31. Vishnu, Chidambaranathapuram, Kumbakonam Taluk, Thanjavur District.
32. Sri Devi, Chidambaranathapuram, Kumbakonam Taluk, Thanjavur District.
33. Bhu Devi, Chidambaranathapuram, Kumbakonam Taluk, Thanjavur District.
34. Kaliyakrishna, Chidambaranathapuram, Kumbakonam Taluk, Thanjavur District.
35. Vishnu (Standing), Mangammalpuram, Lalgudi, Tiruchirappalli District.
36. Vishnu (Seated), Mangammalpuram, Lalgudi, Tiruchirappalli District.
37. Vishnu, Mangammalpuram, Lalgudi, Tiruchirappalli District.
38. Ganesa (Seated), Mangammalpuram, Lalgudi, Tiruchirappalli District.

(b) By purchase :—

1. One copper plate grant of Ko Ravi Kodai from Sri S. Reju, Erode.
2. Three prabhas from Sri K. Ramamurti.
3. Two Pithams from Sri K. Ramamurti.
4. Kiritams—15 numbers from Sri K. Ramamurti.
5. Body Kavachams—7 numbers from Sri K. Ramamurti.
6. Hand Kavachams—13 numbers from Sri K. Ramamurti.
7. Leg Kavachams—11 numbers from Sri K. Ramamurti.
8. Ear Kavachams—3 numbers from Sri K. Ramamurti.
9. Kavachams for Siraschakra—2 numbers from Sri K. Ramamurti.
10. Inscribed Tripod (Bronze)—2 numbers from Sri K. Ramamurti.
11. Kumarasambhavam (Painting) in Mysore tradition from Sri K. Ramamurti.
12. Three pieces of ivory from Dr. Miss. Munuvaraddin, Godiwin Hospital, Kaveripak.
13. Copy of a Mural from Kancheepuram, Sri P. L. Narasimhamurti.
14. Copy of a Mural from Tirumalai, Sri P. L. Narasimhamurti.

Work in the galleries.—The cases containing the casts of Yakshi and Nagaraja were painted. The photographs illustrating the development of Chalukyan Temple Architecture were renewed and re-exhibited in the New Extension Gallery. One of the bays in mezzanine floor in the New Extension Gallery was provided with a bilingual label. Accession numbers on the exhibits which were faded, were repainted. The show case containing the wooden model of a temple was provided with a suitable background to improve the display. Triangular immovable teakwood reapers were fixed in the Amaravati Gallery, for fixing the framed labels permanently. Two Amaravati sculptures were given paper pulp treatment for saline action. The Bhattiprolu case was painted and the reliquaries were rearranged and re-exhibited. One more sloping case was added to the New Buddhist Gallery and the scale models from Nagarjunakonda were re-distributed to relieve the congestion. Twelve selected photographs pertaining to Buddhism were mounted, framed and put up for display in the New Buddhist Gallery. Three murals—already displayed without glass panes—provided with rosewood frames and murals from Chidambaram and Srirangam were exhibited with the new frames, fixed therein. A few modern paintings purchased by the Museum were framed and exhibited. One mural from Chidambaram provided with rosewood frames was displayed in the Bronze Gallery. A few more labels for the bronzes were provided with dates. In the Metalware Gallery, the

specimens of pith models were repaired and exhibited. Reference cards were introduced for the modernised show cases. The ivory chess board was painted and the chessmen (ivory) were cleaned and mounted on the board neatly and exhibited. Two metal plaques were given chemical treatment and re-exhibited. Labels for the wood carvings section of the gallery were renewed.

Labelling.—The faded aluminium labels in the New Extension Gallery, Hindu Sculpture Gallery and Bronze Gallery were replaced by new framed labels. Old wooden framed labels were polished and fresh glass panes were provided. A few more labels in the Bronze Gallery were provided with dates.

Card indexing of the specimens in the Metalware Gallery, Amaravati Gallery and the Wood Carvings Gallery was completed.

Research.—The Curator continued his research on "Copper Plates". The manuscript of the bulletin on "Jain sculptures in the Madras Museum" was finalised and it is expected from the author, Mr. P. R. Srinivasan, shortly. The Guide Book to the Metalware Gallery is nearing completion. The Curator contributed an article on "Jainism in Kongu Nadu" to the Chotelal Jain Felicitation Volume and presented another paper on the "Wood carvings in South India with special reference to Madras Museum collections" at the third Museum Camp on "Decorative Arts including Textiles", held at Bombay in November, 1966.

Publications.—The following bulletins were printed and released for sale :—

1. The Nagapattinam and other Buddhist Bronzes in the Madras Museum by T. N. Ramachandrar. (Reprint).

2. Indian Epigraphy and South Indian Scripts by C. Sivaramamurti (Reprint).

Facilities to Research Scholars.—The following scholars were given facilities on the subjects noted against each :—

Serial number and name.	Address.	Subject.
(1)	(2)	(3)
1 Sri Kari Khandalawala ..	Advocate, Bombay	South Indian Bronzes.
2 Sri P. R. Ramachandra Rao.	Advocate, Hyderabad	Amaravati sculptures.
3 Dr. Miss. Stella Kramrisch.	University of Pennsylvania, Philadelphia, U.S.A.	Indian Bronzes.
4 Mrs. Ananda Coomaraswamy.	Ceylon	Do.
5 Prof. Janardhanam ..	Professor of Analytical Chemistry University of Madras.	Do.
6 Sri H. K. Narasimhaswami.	Superintendent for Epigraphy, Ootacamund.	For taking impressions of inscriptions in Amaravati Gallery.
7 Miss. Vijaya Bharathi ..	Research Scholar, Department of Tamil Studies, Annamalai University.	Works of Poet Bharathi.
8 Sri V. R. Mani	Research Fellow, Government Museum, Madras.	Photographic Album on Bronzes and Stone Sculptures.
9 Sri Wayne E. Begley ..	Department of India Studies, University of Pennsylvania, Philadelphia, U.S.A.	Ayudha purushas.
10 Mr. Chifford Reis Jones.	Research Fellow, American Institute of Indian Studies, C/o Deccan College, Poona.	Bronzes.
11 Mr. Louis Eladine Jr.	205, May Flower Road, Lake Forest, Illinois U.S.A.	Stone Sculptures.
12 Mrs. Sperla Hicks ..	C/o Parry & Co., Madras	Textiles.
13 Mr. Douglas Barret ..	Bhulabai Desai Memorial Institute Bombay-26.	Jain Bronzes.
14 Mrs. Caldwell	C/o Dr. Caldwell, American Consulate, Madras.	Sketches in Amaravati Gallery.
15 Miss. N. Clark	1608 Springlawn, Cincinnati, Ohio, U.S.A.	Temple Architecture.

Gifts.—(1) One stone sculpture and four wood carvings were transferred to the Public Works Department, Madras, for displaying them permanently at the "Madras House" at New Delhi.

(2) Two lotus medallions, and six wood carvings were transferred to the State Department of Museums, Andhra Pradesh, for displaying them in the State Museum, Hyderabad.

Photographs added.—During the year under review 27 small size negatives, 30 quarter size negatives and 123 half size negatives were prepared in the section. One hundred and eighty photos were added to the photo album.

Plans for the year 1966-67.—(1) Display of photographs in the partition panel next to Chaitya slab in Amaravati gallery.

(2) Renewal of the scripts charts in the New Extension Gallery.

(3) Setting up modernised show-cases for the Wood Carvings Gallery.

(4) Providing cut out letter labels for the Metalware Gallery modernised show-cases.

(5) Repainting of the interior of the show-cases in Metalware Gallery.

(6) Fluorescent tube lights with shades to be provided for each show-case in the Bronze Gallery.

(7) Providing a fence for the Archaeology shed.

(8) Preparation of bronze replicas of Ardhanariswara.

(9) A series of Murals for the New Buddhist Gallery.

(10) Proper registering and cataloguing of Textiles.

Publications.—Reprinting of the following publications will be taken up:—

1. Tirupruthikundaram and its temples by T. N. Ramchandran. The following will be got ready for publication:—

(1) Catalogue of Copper Plate grants;

(2) Guide to the Metalware and Wood Carvings Galleries;

(3) Catalogue of Stone Sculptures; and

(4) Jain Sculptures in the Madras Museum.

NATIONAL ART GALLERY.

Additions.—The *Ad-hoc* Committee for the National Art Gallery met on 21st April 1965 and selected four paintings from a local dealer. Twelve colour reproductions, as detailed below, were purchased from Pallas Art Gallery and added to the collections:

1	Palace de la Concorde	..	..	..	..	Buffet.
2	The Grand circus	..	..	..	..	Chagall.
3	Boating	..	..	..	..	Duffy.
4	Ta Matete	..	..	..	..	Gauguin.
5	Reclining Nude	..	..	..	..	Modigliani.
6	Charters Cathedral	..	..	..	..	Soutine.
7	The Red Trees	..	..	..	..	Vilaminok.
8	Still life	..	..	..	..	Braque.
9	Mill at Pontoise	..	..	..	..	Cezanne.
10	The Gypsy caravan	..	..	..	..	Van Gogh.
11	Interior with Egyptian curtain	..	..	..	..	Matisse.
12	Arlequinan cafe	..	..	..	..	Picasso.

The following were purchased from Lalchand Dudheria, Madras-1—

1 Nobleman.

2 Do.

3 Lady in a charoit.

4 Scene depicting six men collecting fruits.

Work in the galleries.—The paintings in Room I and the exhibits in Room II and the central hall were photographed. The photographs thus prepared were pasted in a separate album meant for National Art Gallery. All the labels in the central hall and rear room were changed. The mount for the painting entitled "Fort of Lanka" was renewed and the frame was polished. The painting entitled "Horse" was chemically treated and re-exhibited. Some of the paintings in vertical cases, were provided with new mounts.

The National Art Gallery was closed to the public for two months from 15th November 1965 for extensive repairs. The Gallery was thoroughly distempered and all the show-cases were painted. The Gallery was thrown open to the public after the above repairs on 15th January 1966.

Publications.—The Guide to the National Art Gallery was in the press.

Plans for the year 1966-67.—(1) Organising the rear upstairs room into a gallery of modern art and exhibiting more paintings.

(2) Improving the lighting in the front two rooms.

(3) Improving the display of specimens of textiles in the two front rooms.

(4) Framing the specimens of textiles in the two front rooms.

(5) Improving the display and labelling of the wood carvings, paintings, etc., especially in the two front rooms.

Publications.—(1) The printing of the National Art Gallery Guide Book.

(2) Monograph on Mughal and Rajasthani paintings.

(3) Picture post cards of 6 paintings, 3 Mughal and 3 Rajasthani.

CHEMICAL CONSERVATION.

Museum objects cleaned and preserved.—Metal and alloy images.

Chemical cleaning.—Seven bronze images and two metal replicas were chemically cleaned and preserved. Two bronze images were under treatment.

Electrolytic restoration.—Twelve bronze images were electrolytically restored and celluloid coating applied. Two bronze images were under treatment.

Metal and alloy articles.—One cannon name board was cleaned of rust and paraffin wax coating applied. Two iron swords and one horn were cleaned with oxalic acid and celluloid coating applied. One sword was under treatment.

Coins—Electro-chemical cleaning.—Three hundred and twenty four coins were cleaned by the electrochemical method and protective coating applied.

Chemical cleaning.—Two hundred and eighty coins (many of them silver coins) received from Government Museum, Pudukkottai were treated chemically and preserved.

Twenty-seven silver coins were treated chemically and preserved.

Bones.—One hundred and twenty-one bones were chemically treated and preserved.

Wood carvings.—Thirty-five wood carvings were treated and preserved suitably.

Leather objects.—Twenty-seven musical instruments were restored and preserved.

Textiles.—The torn part of the two big printed textiles were mended and the frame required and renovated.

Two small specimens of printed cloth were cleaned with lissapol solution. The torn portion was sewn and acryl binder sprayed to strengthen them.

Paintings, Prints and Manuscripts.—One painting of the traditional South Indian School which was affected by insects and fungi was restored and preserved. One painting of Nataraja which has been damaged mechanically was restored and preserved.

One large geological map of India and three manuscripts which were in a fragile condition were restored and preserved by the chiffoining technique.

New addition of equipments.—A spectrophotometer, vacuum impregnation tank and a single pan Analytical Balance were acquired and installed.

The construction and fitting of the dark room furniture and fittings were completed.

CHILDREN'S SECTION.

Additions to the collection.—The following were added to the collection :—

1. One cloth doll dressed in one of the folk costumes of Hungary.
2. Two cloth dolls dressed in the regional costumes of Belgium.
3. One miniature model of a heavy goods locomotive with accessories, presented by the Consulate of the Federal Republic of Germany.

Work in the Gallery.—The routine work of renewing labels and cleaning of specimens and show-cases was continued. The small scale Model of the Montgolfier Balloon was transferred to the gallery. The miniature train set presented by the Consulate of the Federal Republic of Germany was installed as a working model in a realistic setting in the Children's gallery with the help of the Signalling Department of the Southern Railways.

Publications.—A Guide to Children's Gallery in English by Kumari A. Vimala was brought out.

Training facilities.—Two batches of Balasevika trainees were given demonstration lectures in the Children's gallery.

Plans for the year 1966-67.—It is proposed to add to the Children's gallery a mural on the evolution of Land Transport and some scientific working models.

GOVERNMENT MUSEUM, PUDUKKOTTAI.

General.—Working hours.—The Government Museum, Pudukkottai, works on all days except Sundays and declared gazetted Government holidays. The working hours of the Museum galleries are from 8-00 a.m. to 11-30 a.m. and 2-00 p.m. to 5-30 p.m.

In the academic year 1965-66, this institution worked for 285 days.

Visitors.—The total number of visitors during the year 1965-66 was 80,034 with a daily average of 281, which includes both males and females, literates and illiterates, and school batches (Appendix I).

The Director of Museums, Madras, who is the controlling authority, visited this Museum from 5th to 13th August 1965 and made valuable suggestions for the improvement of the galleries on modern lines, which were carried out as and when funds permitted.

The post of Assistant Curator to this Museum was sanctioned by the Government in the month of August 1965, and a candidate from the employment exchange was appointed after due selection.

The annual Budget of this Museum in 1965-66 was Rs. 31,397.29 (Appendix 3).

Galleries.—The presentation (display) and improvement of the galleries are the prime consideration and attention of the Museum staff. All the show-cases were always kept clear and tidy, and some of them were rendered insect-proof. The old and faded labels were renewed by new ones.

There was a proper rearrangement of the existing show-cases in all the galleries according to the availability of space due to the modernisation of old type show-cases.

Improvements to the galleries.—Zoology—Invertebrates.—The section of Marine Invertebrates which was so far accommodated in the Reptiles Section was now shifted and arranged adjacent to the insects in the invertebrate gallery itself.

Birds.—In this section about three old type multi-glass-doored bureau-type show-cases, not fit for proper arrangement of birds, were converted into single-glass-doored modernised show cases by the Pudukkottai Timber Workers' Co-operative Society, Ltd. Due to the conversion of these bureau-cases into modernised show-cases, the entire birds' gallery was rearranged according to the sequence of the Subject. Moreover this new arrangement has given ample moving space for the visitors in the gallery.

Fishes.—The empty wooden frames above the sloping case containing the specimens of Eels, etc. were suitably utilised for exhibiting a selected series of sixteen enlarged photographs of interesting specimens of South Indian fishes secured from the Madras Government Museum. They are:—

- | | |
|-------------------------------------|---|
| (1) Procupine fish. | (9) Whale shark. |
| (2) Barber's knife. | (10) Tiger shark. |
| (3) <i>Ranzania makna</i> . | (11) Sword fish. |
| (4) Giant perch. | (12) <i>Rhaphiodon elongatissimus</i> . |
| (5) <i>Platy teleostei</i> . | (13) The Indian shad. |
| (6) <i>Holocentrus ruber</i> . | (14) Sea-horse. |
| (7) <i>Scorpaenopsis diabolus</i> . | (15) Seer fish. |
| (8) <i>Chrysophrys bleekeri</i> . | (16) <i>Polynemus indicus</i> . |

Zoological reserve collection.—An open bill and a common goose were shot near Pudukkottai and added to the reserve collection.

Library.—About 35 books were added to the library making up the total number of volumes to 1,220. It embraces all sections pertaining to a general Museum. (List of added books: Appendix 4.)

Equipments, including furniture and fittings.—The work of gradually modernising the old and out-of-date bureau-type show-cases was continued. Three bureau-type old show-cases in the Birds gallery were provided with single glass doors.

Tours.—In the month of November 1965, from 14th to 27th, the Curator attended the III Museum Camp on "Decorative Arts including Textiles held at Bombay which was conducted by the Central Ministry of Education and Cultural Affairs, and presented a paper on, " "Wax resist process dyeing of Tiruvappur".

Extra mural activities.—Assistance to schools were afforded as usual to understand and appreciate the exhibits of the Museum in detail as and when they visited the Museum with the staff and the students. About 82 schools were the beneficiaries thereof (Appendix 5).

On 23rd September 1965, the Curator, Government Museum, Pudukkottai, inaugurated the History and Geography Association of the B.T. College, Pudukkottai and delivered a lecture on "The History of Pudukkottai and its importance" on the same day. On 22nd December 1965 the Curator spoke on the importance of "Family Planning" at the Rane's Government Hospital, Pudukkottai in connection with the celebration of the Family Planning Week. On 5th March 1966, the Curator presided over the Anniversary function of Sri Subbrama Iyer School, Pudukkottai and distributed the prizes.

The treasure trove articles, 12 in number sent in the month of March 1966 by the District Revenue Officer, Tiruchirappalli were examined, identified and valued.

Buildings.—A list of urgent structural alterations and repairs required for the present Museum building for the safety and strength of the building was sent to the Public Works Department, Tiruchirappalli in 1963 and the estimates are still awarded.

The urgent items are : (1) Providing iron bars for the windows in the Curator's office room;

(2) Protecting the verandah containing the exhibits of wood carvings and the whale skeletons with weld mesh;

(3) Converting the present tiffin shed into a regular room;

(4) Constructing a record room above the present taxidermist's room; and

(5) Colour and whitewashing the galleries and the building.

Garden.—This has been considerably improved and made attractive. The plants and flower beds are being maintained in good condition.

Plans for the year 1966-67—Geology.—Adding thirty more photographs of geological interest in the remaining three empty frames of the sloping cases.

Zoology.—Construction and installation of two new show cases to exhibit the Porifera and Coelenterata collections.

General.—As Pudukkottai is noted for the high temperature in the hot seasons—between February and September—it is proposed to install a water-cooler for the visiting public and school students.

S. T. SATYAMURTI,

*Director of Museums,
Government Museum, Madras-8.*

ADMINISTRATION REPORT OF THE
GOVERNMENT MUSEUM, ETC., FOR THE YEAR 1965-66.

CONNEMARA PUBLIC LIBRARY (EXCHANGES.)

The number of institutions sending their journals in exchange for the Museum Bulletin was 181 and the number of publications received from them was 837.

S. T. SATYAMURTI,
*Director of Museums,
Government Museum, Madras
and
Associate Librarian, Connemara Public Library.*

APPENDIX I.

COMPLETE LIST FOR THE YEAR 1955-56 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)
801	943	Indo-British Rupee Coins of Victoria Edward VII and George V.	Silver ..	27	27	27
(B) Not acquired.						
795	..	Gold coins	Gold ..	278	278	nil
796	..	Do.	Do. ..	47	47	nil
800	..	Gold and copper coins ..	Gold Copper	50 10	60	60

APPENDIX II.

ANTHROPOLOGY.

(A) Acquired by the Museum.

Treasure trove number.	Accession number.	Description.
		Nil.

(B) Not acquired.

Serial number.	Treasure trove number.	Description.	Village.
			Nil.

ARCHAEOLOGY.

(A) Acquired.

Serial number.	Accession number.	Treasure trove number.	Particulars.	Locality.
(1)	(2)	(3)	(4)	(5)
1	513	791	Vishnu	Anantapuram, Polur taluk, North Arcot district.
2	514	792	Nataraja	Avanam Paruthiyur, Nannilam taluk, Thanjavur district.
3	515	..	Sivakamasundari	Do.
4	516	..	Devi	Do.
5	517	..	Somaskanda	Do.
6	518	793	Tripod	Emmanankondan, Ramanathapuram taluk, Ramanathapuram district.
7	519	..	Do.	Do.
8	520	..	Do.	Do.
9	521	..	Do.	Do.
10	522	..	Sombu (big)	Do.
11	523	..	Do. (small)	Do.
12	524	..	Kindi (big)	Do.
13	525	..	Do. (small)	Do.
14	526	..	Plate	Do.
15	527	..	Do.	Do.
16	528	794	Krishna (as Venugopala) ..	Kandirathiratham, Udayarpalayam taluk, Tiruchirappalli district.

APPENDICES

APPENDIX II—cont.

ARCHAEOLOGY—cont.

(A) Acquired—cont.

Serial number.	Accession number.	Treasure box number.	Particulars.	Locality.
(1)	(2)	(3)	(4)	(5)
17	529	794	Vishnu	Kandiraththam, Udayarpalayam taluk, Tiruchirappalli district.
18	530	"	Sri Devi	Do.
19	531	"	Bhudevi	Do.
20	532	"	Satyabhama	Do.
21	533	"	Rukmini	Do.
22	534	"	Varaha	Do.
23	535	"	Ganada	Do.
24	536	"	Sudastana	Do.
25	537	"	Lakshminarayana	Do.
26	538	"	Narasimha	Do.
27	539	"	Sri Devi	Do.
28	540	"	Bhudevi	Do.
29	541	"	Saint	Do.
30	542	"	Balakrishna	Do.
31	543	"	Chakra	Do.
32	544	"	Paduka	Do.
33	545	"	Salagrama	Do.
34	546	"	Cup (copper)	Do.
35	547	798	Vishnu	Chidambaram, Kumbakonam taluk, Thanjavur district.
36	548	"	Sri Devi	Do.
37	549	"	Vishnu	Do.
38	550	"	Sri Devi	Do.
39	551	"	Bhudevi	Do.
40	552	"	Kaliyakrishna	Do.
41	553	802	Vishnu (standing)	Mangammalpuram, Lalgudi taluk, Tiruchirappalli district.
42	554	"	Vishnu (seated)	Do.
43	555	"	Do.	Do.
44	556	"	Ganesa (seated)	Do.

(B) Not Acquired.

1	797	Two alloy plates	Nagamangalam, Hosur taluk, Dharma-puri district.
2	799	Vessels used for domestic purpose and three chains.	Kurichimedu, Chidambaram taluk, South Arcot district.

APPENDIX III.

OTHER NOTABLE ADDITIONS TO THE COLLECTIONS.

Zoology.

Serial number.	Accession number.	Particulars.
(1)	(2)	(3)
1	6/1965	The Bar-headed Goose (<i>Anser indicus</i>).
2	7/1965	The Indian Green Magpie (<i>Cissa chinensis chinensis</i>).
3	8/1965	The Spoonbill Duck (<i>Anas clypeata</i>).
4	10/1965	The White Ibis (<i>Threskiornis melanoccephalus</i>).
5	15/1965	The adult female White-browed Gibbon (<i>Hylebates holcocki</i>).

APPENDICES

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APPENDIX III—*cont.*

BOTANY.

Serial number.	Accession number.	Particulars.
(1)	(2)	(3)
1	3/1965	Enlarged model of part of filament of <i>Spirogyra</i> .
2	4/1965	Enlarged model of young filament of <i>Ulothrix</i> .

GEOLOGY.

1	27/1965	Opal.
2	30/1965	Fuller's earth.
3	56/1965	Apatite crystals.
4	58/1965	Stearite with actinolite.
5	3/1966	Leptynite.
6	3/1966	Charnockite.

ANTHROPOLOGY.

Serial number.	Accession number.	Particulars.
(1)	(2)	(3)
1	1/65	A rare neolith Purchased.
2	2/65 to 51/65	Fifty Microliths Got as gift.
3	52/65 to 59/65	Eight palaeoliths Got by exchange.
4	60/65 to 70/65	Eleven prehistoric materials. Collected by the Curator.
5	71/65	One photographic coloured enlargement of Man as a tool maker. Purchased.
6	72/65 to 97/65	26 stone age surface finds of Sangoan culture. Got by exchange.
7	1/66 to 12/66	12 palaeolithic tools from Attirempakkam. Got as gift.
8	1706 to 1710	5 Ethnographic materials of Juang. Purchased.
9	1711 to 1744	12 photographs Got by exchange. 13 arrows and 11 spears.
10	1747 a to 1765	10 Naga Ethnographic materials. Got by exchange.
11	93	Nara Veena Purchased.
12	2417	One Japanese sword Do.
13	1/65 to 45/65	45 photographs (10" x 12") of different tribes of North India. Do.

NUMISMATICS.

Serial number.	Accession number.	Metal.	Particulars.
(1)	(2)	(3)	(4)
1	934	.. ..	21,496 old postage stamps.
2	935	Copper	1,330 late South Indian copper coins.
3	936	Gold, silver, copper, lead	8 gold, 29 silver, 277 copper and from lead coins of Chola, Chera, Sethupathi, Roman, Indo-Dutch, Pandyan, Satavahana, Kushan, Travancore Indo-British, Ancient and Dutch Ceylon and Punch-marked.
4	937	Silver, copper, bronze.	2 silver coins of Travancore, 19 copper coins of Great Britain, Baroda, Gwalior, Indore, Rutlam, Muscat, British East Africa, Java, Tunis, Netherlands Indies, Germany, German East-Africa, and one bronze medal of Pope Leo III.

APPENDIX III—cont.

NUMISMATICS—cont.						
Serial number.	Accession number.	Metal.				Particulars.
(1)	(2)	(3)				(4)
5	938	Gold	..	..	..	Seven gold coins of Victoria, Faridkot, Bharatpur, Oudh, Patiala, Malerkotla and Kashmir.
6	939	Copper	..	..	..	One hundred and sixty-nine late South Indian copper coins.
7	940	Silver	..	..	..	Twenty coins of U.S.A., British India, Indo-Dutch, Britain, South Africa, British Straits settlements, Ceylon, Hongkong and Netherlands Indies.
8	941	Gold	..	..	..	Twenty-six gold coins of Kalachuri, Kongu Chera, Tipu, Vijayanagar, Travancore, Mysore Kanthirava and South Indian panams.
9	942	Copper	..	..	..	Seven coins of Asaladeva of Nerwar.

CHILDREN'S SECTION.

Serial number. (1)	Accession number. (2)	Particulars. (3)
1	1/65	One cloth doll dressed in one of the Folk costumes of Hungary.
2	2/65	Two cloth dolls dressed in the regional costume of Belgium.
3	3/65	1 miniature model of a heavy goods locomotive, Marklin.
4	4/65	1 complete set of accessories, like wagons, signal, transformer, etc., of the Marklin goods train set.

ARCHAEOLOGY.

Serial number. (1)	Accession number. (2)	Particulars. (3)
1	152/65	One copper plate grant of Ko Ravi Kodai, purchased from Sri S. Raju of Erode
2	1542/65 1543/65 1544/65	Three prabhās purchased from Sri K. Ramamurti, Madras-10.
3	1545/65 to 1546/65	Two pithams purchased from Sri K. Ramamurti, Madras-10.
4	1547/65 to 1549/65	Kavachams for body, leg, etc., (50 pieces) purchased from Sri K. Ramamurti, Madras-10.
5	1591/65	Inscribed tripod, Do.
6	1599/65	Kumarasambhava (painting), Do.
7	1604/65	Three ivory pieces, gift from Dr. Miss Munuwaruddin, Godwin Hospital, Kaveripak.
8	1605/65 1606/65	Two copies of manuals, one each from Kanchipuram and Tirumalai, purchased from Sri P. L. Narasimhamurti, Madras-24.

APPENDIX IV.

Visitors to the Museum.

(1)	1964-65. (2)	1965-66. (3)
Total number of visitors	5,54,436	6,71,334
Total number on Sundays	1,24,956	1,92,307
Total number on Dwadasi day	3,108	7,531
Total number on Kannupongal day	20,128	41,308

Staff.—Three temporary posts of Gallery Guard were sanctioned in G.O. Ms. No. 1945, Education, dated 15th November 1965 for the Numismatic Gallery.

APPENDIX IV.—cont.

Photographic work.—The photographer was engaged in taking prints for record and sale to the public. A sum of Rs. 764.50 was realised by sale of prints and enlargements as against Rs. 997.75 in the previous year. During the year under report 503 negatives and 1,586 prints and enlargements were prepared.

Museum Theatre.—The Museum Theatre was used for 256 engagements during the year of which 204 were for dramatic performances, etc., and the rest for rehearsals and meetings. A sum of Rs. 7,618 was realised as rent as against Rs. 7,004 in the previous year. A sum of Rs. 1,257 has in addition been credited to Government, towards overtime fees for the caretaker's overtime attendance.

Centenary Exhibition Hall.—The Centenary Hall was used for 22 Exhibitions during the year 1965-66. A sum of Rs. 642 was realised as rent as against Rs. 718 in the previous year.

APPENDIX V.

List of photographic negatives prepared during the year 1965-66.

ZOOLOGY.

Serial number. (1)	Negative number. (2)	Size. (3)	Particulars. (4)
1	L.F. 335	$\frac{1}{2}$ size.	Sea spider or Nobody crab (Nymphon) (Indian ink diagram).
2	336	"	<i>Gaeomyda silvatica</i> .
3	337	"	<i>Lepidocampa</i> —(Indian ink diagram).
4	338	"	The Ruddy Kingfisher.
5	339	$\frac{1}{2}$ size.	Indian ink diagram of bed bug (<i>Cimex</i>).
6	340	"	Diorama of Demoiselle Cranes.
7	341	"	Diorama of Gulls and Terns.
8	342	"	Diorama of Flamingoes.
9	343	"	Visitors in the Whitney Memorial Bird Hall, American Museum of Natural History, New-York.
10	344	"	Interior view of Whitney Bird hall showing Birds of Paradise, American Museum of Natural History, New York.
11	345	$\frac{1}{2}$ size.	A herd of wild elephants.
12	346	"	A nest of Banded Hornet or the Banded Wasp (<i>Vespa cineta</i>).
13	347	"	Diorama of owl.
14	348	"	Diorama of Great Indian Bustard.
15	349	"	Diorama of Storks and Egrets
16	350	"	A wild Elephant.
17	351	"	Diagrams illustrating the process of plastic embedding.
18	352	"	Tour to Pulicat lake.
19	353	"	Four negatives received from K and P used for preparing lantern slides.
20	354	"	The Tree Pie.
21	355	"	The Jungle Babbler.
22	356	"	The Bengal Red whiskered Bulb
23	357	"	The Common Pied Bushebat.
24	358	"	The Paradise Flycatcher.
25	359	"	Do.
26	360	"	Indian Wren warbler.
27	361	"	Indian Grey Shrike.
28	362	"	Large Cuckoo Shrike
29	363	"	Orange Miniv

APPENDIX V—cont.

List of photographic negatives prepared during the year 1935-36 cont.

ZOOLOGY—cont.

Serial number. (1)	Negative number. (2)	Size. (3)	Particulars. (4)
30	364	1/2 size.	Racket tailed Drongo.
31	L.F. 365	"	The Fairy Blue bird.
32	366	"	Indian Oriole.
33	367	"	Southern Grackle.
34	368	"	Bank Myna.
35	369	"	Wire-tailed Swallow.
36	370	"	Large Pied Wagtail.
37	371	"	Purple-rumped Sunbird.
38	372	"	Indian Pitta.
39	373	"	Golden-backed Woodpecker.
40	374	"	Small Green Barbet.
41	376	"	Indian Roller.
42	376	"	Blue bearded (Breasted) Bee-eater.
43	377	"	Common Indian Bee-eater.
44	378	"	White-breasted Kingfisher.
45	379	"	Pied Kingfisher.
46	380	"	Malabar Pied Hornbill.
47	381	"	The Hoopoe.
48	382	"	Eggs of Edible Nest Swiftlet.
49	383	"	Indian Crested Swift.
50	384	"	Malabar Trogon.
51	385	"	Do.
52	386	"	Indian Koel.
53	387	"	Do.
54	388	"	Red-winged Crested Cuckoo.
55	389	"	Small Green billed Malkoha.
56	390	"	Crow Pheasant.
57	391	"	Large Indian Parakeet.
58	392	"	Blossom-headed parakeet.
59	393	"	Indian Green Magpie.
60	394	"	Indian Barn Owl.
61	396	"	The Spotted Owlet.
62	396	"	Brown Fish Owl.
63	397	"	Peregrine Falcon.
64	398	"	Indian Kestrel.
65	399	"	Crested Hawk Eagle.
66	400	"	Indian Tawny Eagle.
67	401	"	Marsh Harrier.
68	402	"	Long-legged Buzzard.
69	403	"	The Sparrow Hawk.
70	404	"	The Shikra.
71	405	"	Black-crested Baza.
72	406	"	Black Partridge (Pair).
73	407	"	Jungle Fowl.
74	408	"	Spotted Dove.
75	409	"	Nilgiri Wood Pigeon.
76	410	"	Indian Turtle Dove.
77	411	"	Painted Sand Grouse (Pair).
78	412	"	Pheasant-tailed Jacana.
79	413	"	Bronze-winged Jacana.
80	414	"	Purple Moorhen.

APPENDIX V—cont.

*List of photographic negatives prepared during the year 1965-66—cont.**ZOOLOGY—cont.*

<i>Serial number.</i>	<i>Negative number.</i>	<i>Size.</i>	<i>Particulars.</i>
(1)	(2)	(3)	(4)
81 ..	L.F. 415 ..	$\frac{1}{2}$ size.	Kora or Water-cock
82 ..	416 ..	"	Do
83 ..	417 ..	"	Water Hen.
84 ..	418 ..	"	Painted Snipes.
85 ..	419 ..	"	Sauris Crane.
86 ..	420 ..	"	Stone Curlew.
87 ..	421 ..	"	Great Stone plover.
88 ..	422 ..	"	Indian Coursor (Pair).
89 ..	423 ..	"	Crab Plover.
90 ..	424 ..	"	Black-headed Gulls (Pair).
91 ..	F. 425 ..	"	Large Crested Tern.
92 ..	426 ..	"	Oyster Catcher.
93 ..	427 ..	"	Red wattled Lapwing.
94 ..	428 ..	"	Yellow wattled Lapwing.
95 ..	429 ..	"	Black winged Stilt.
96 ..	430 ..	"	Avocet.
97 ..	431 ..	"	Curlew.
98 ..	432 ..	"	Black-tailed Godwit.
99 ..	433 ..	"	Comb Duck.
100 ..	434 ..	"	Brahminy Duck.
101 ..	435 ..	"	Bar-headed Goose.
102 ..	436 ..	"	Pintail Duck.
103 ..	437 ..	"	Cotton Teal.
104 ..	438 ..	"	Spot Bill.
105 ..	439 ..	"	Wood Snipe.
106 ..	440 ..	"	Swinhoes Snipe.
107 ..	441 ..	"	Rave (young).
108 ..	442 ..	"	Black Bittern.
109 ..	443 ..	"	Pond Heron.
110 ..	444 ..	"	Chestnut Bittern.

BOTANY.

<i>Number.</i>	<i>Size.</i>	<i>Particulars.</i>
(1)	(2)	(3)
B. XVI. 26 ..	$\frac{1}{2}$ size.	Caustic (or Dye) Department in the manufacture of rayon.
27 ..	"	Overgearing steeping press in the manufacture of rayon.
28 ..	"	Viscose tanks in the manufacture of rayon.
29 ..	"	Spinning Departments in the manufacture of rayon.
30 ..	"	Threading up of spinning machine in the manufacture of rayon.
31 ..	"	Spinning machine and ventilating ducts in the manufacture of rayon.
32 ..	"	Cake purification in the manufacture of rayon.
33 ..	"	Filament rayon driers.
34 ..	"	Coning machines in the manufacture of rayons.
35 ..	"	Wrapping of cones in packing and transporting rayon.
36 ..	"	Chemical Laboratory in the manufacture of rayon.
37 ..	"	Partial view of Refrigeration equipment in the manufacture of rayon.
38 ..	"	Partial view of water plant in the manufacture of rayon.
39 ..	"	Water softeners in the manufacture of rayon.

APPENDICES

APPENDIX V—cont.

List of photographic negatives prepared during the year 1965-66—cont.

			BOTANY—cont.	Particulars.
Number.	Size.			
(1)	(2)			(3)
B. XVI. 40	..	$\frac{1}{2}$ size.	Spinning section of staple fibre in the manufacture of rayon.	
41	..	"	Tow stretcher in the manufacture of rayon.	
42	..	"	Shredders in the manufacture of rayon.	
43	..	"	Churns in the manufacture of rayon.	
44	..	"	Viscose dissolvers in the manufacture of rayon.	
45	..	"	Viscose filter-presses in the manufacture of rayon.	
46	..	"	Tow entering the staple fibre cutter in the manufacture of rayon.	
47	..	"	Fleece of cut staple passing through the various steps of the after-treatment, in the manufacture of rayon (i).	
48	..	"	Staple fibre emerging from the drier to the pneumatic system in the manufacture of rayon.	
49	..	"	Staple fibre baling machine in the manufacture of rayon.	
50	..	"	Fleece of cut staple passing through the various steps of the after-treatment in the manufacture of rayon (ii).	
B. XVII. 1	..	$\frac{1}{2}$ size.	Fleece of cut staple passing through the various steps of the after-treatment in the manufacture of rayon.	
2	..	$2\frac{1}{2} \times 2\frac{1}{2}$	Talipot palm in flowers.	
3	..	"	Do.	
4	..	"	Do.	
5	..	"	Do.	
6	..	"	Do.	
7	..	"	Palmyrah-palm.	
8	..	"	Do.	
9	..	"	Do.	
10	..	"	Date palm.	
11	..	"	Do.	
12	..	"	Teakwood Tree in flowers.	
13	..	"	Do.	

GEOLOGY.

Negative number.	Size of film.		Particulars.
(1)	(2)		(3)
G. I. 45	..	$\frac{1}{2}$ size.	A general view of the Economic Geology Gallery on the mezzanine floor above the Geology Hall.
46	..	"	Front and side views of the Central modernised showcases in the Geology Hall.
47	..	"	Back view of the modernised showcases showing the door at the back partly opened.

ANTHROPOLOGY.

E. 17. 43	..	$\frac{1}{2}$ size.	Nilgiris excavation—skull.
44	..	"	Do.
45	..	"	Do.
46	..	"	Do.
47	..	"	Emden shell: unexploded.
48	..	"	Emden exploded mounted on a wooden board.
49	..	"	Two Thanjavur armoury swords. The hilts with Vishnu avatar scenes.
50	..	"	Do.
E. 18 1	..	"	Do.
2	..	"	Do.
3	..	"	Kadar woman.
4	..	"	Toda woman.
5	..	"	Toda man.

APPENDIX V—cont.

List of photographic negatives prepared during the year 1965-66—cont.

ANTHROPOLOGY—cont.

Negative number.	Size of film.	Particulars.
(1)	(2)	(3)
E. 18. 6	1/2 size.	Twelve Madrasian Palaeoliths—For exchange with D. M. College Imphal, Manipur.
7	"	Toda case and other cases in the Ethnology Gallery II.
8	"	Kadar case and Kathakali Gallery cases.
9	"	View of modernized cases progressing—Cases of Ethnology II and L.A. Ananthakrishna Iyer's Birth Centenary Exhibition cases in Centenary Hall.
10	"	Cases in Ethnology Gallery I, II and Subhadra Andhra leather shadow play figure.
11	"	Three Lambadis by name Peekly, Chandi, Peekly from Kollapur taluk (via Yellor), Mahabubnagar district, Andhra Pradesh, who visited Museum on 22nd January 1966 (Nizam).
12	"	The Family Tree—Re-copied from the "Epic of Man".
13	"	Ice Age Chart—Re-copied from "The Epic of Man".
14	"	Stone Implements from Attirampakkam and Vadamadurai on exchange with Aligarh Museum Units' Archaeological Department.
15	"	Burial potteries from Adichanallur and Mohanur on exchange to Aligarh Museum Units, Archaeological Department.
16	"	Copper-axe No. 4106,—Chotanagpur.
17	"	Iron-Axe No. 129, Perumbair—Excavated by A. Rea.
18	"	Kokra, musical instruments of Kanis of Kerala, Nos. 869 and 870.
19	"	Kadar woman—Anamalai Hills, Coimbatore district.
20	"	Malabar leather shadow figure—Athikayam.
21	"	Malabar leather shadow figure—Mandodari.
22	"	Malabar leather shadow figure—Vibhisana.
PE. XXVL 19	1/2 size.	Bronze totemic figures of Khonds Orissa.
20	"	Bronze totemic animal figures of Khonds, Orissa.
21	"	Kadar male figure.
F. V. 26	2 1/2" x 2 1/2"	Man's tool-maker—Abbevillian, Acheulean and Mousterian cultures.
26	"	Koravas of Ayanavaram, near Sabapathy Puzali street.
27	"	Do.
28	"	Do.
29	"	Do.
30	"	Do.
31	"	Hute of Koravas, Ayanavaram.
32	"	Do.
33	"	Do.
34	"	Do.
35	"	Do.
36	"	Daggers.
37	"	Five swords.
38	"	Fragments of spear.
39	"	Daggers.
40	"	Seven spear heads.
41	"	Spear heads or swords.
42	"	Horse bit, sickle, lamp, bell, etc.
43	"	Arrow heads.
44	"	Axes.
45	"	Shield.
46	"	Horn.
47	"	Double exposed arrow-heads.

APPENDIX V—cont.

List of photographic negatives prepared during the year 1965-66—cont.

ANTHROPOLOGY—cont.

Negative number.	Size of film.	Particulars.
(1)	(2)	(3)
F.V. 48	2½" x 2½"	Spindles.
49	"	Saucer lamps.
50	"	Ringed axes.
51	"	Sickles, etc.
52	"	Pick-axes.
53	"	Temple procession—Coloured.
54	"	Bronze female figure of Adichanallur—Front view.
55	"	Bronze female figure of Adichanallur—Back view.
56	"	Terminal with birds on the top.
57	"	Terminal with birds on the top (cluster).
58	"	Terminal with birds on the top and a bird separately.
59	"	Flask with flower bud, flask and a terminal.
60	"	Flask with flower bud and flask.
61	"	A terminal.
62	"	Terminal with buffaloes on the sides.
63	"	Pair of dogs below the terminal.
64	"	Terminal with buffalo in the middle (cluster).
65	"	Terminal with buffalo in the middle (buds).
66	"	Bird on the terminal.
67	"	Terminals.
68	"	Terminals of dogs, buds and buffaloes.
69	"	Terminals of dogs and buffaloes.
70	"	Terminals of dogs, buffaloes and buds.
71	"	Two terminals.
72	"	Gold pattams and a tali of Adichanallur.
73	"	Brass objection.
74	"	Brass bangles—Big.
75	"	Brass bangles—small.

NUMISMATICS.

Serial number.	Negative number.	Size.	Subject.
(1)	(2)	(3)	(4)
1	NB. 161	½ size.	Four Nayak copper coins.
2	162	"	Charm—Obverse.
3	163	"	Charm—Reverse.
4	NC. 1	full size.	Stamps gallery—General view.
5	NA. 50	½ size.	Stamps gallery—Section view.
6	51	"	Stamps gallery—One stand.

ARCHAEOLOGY.

Film number.	Size of film.	Description.
(1)	(2)	(3)
1601	Small.	One set of 12 negatives—Tour in Ramnathapuram District.
1602	"	One set of 12 negatives—Tour in Melakkadambur, South Arcot District.
1603	"	One set of 12 negatives—Tour in Melakkadambur, South Arcot District and National Art Gallery.
1604	½ size.	Ganesa (dancing), Pala Sena Bay.
16J	"	Ganesa (Bozwada), New Extension Gallery.

APPENDIX V—cont.

List of photographic negatives prepared during the year 1965-66—cont.

ARCHAEOLOGY—cont.

<i>Film number.</i>	<i>Size of film.</i>	<i>Description.</i>
(1)	(2)	(3)
1606 ..	$\frac{1}{2}$	Buddha with attendants, Nagapattinam.
1607 ..	"	Siya on Elephant hide.
1608 ..	"	Eastern Chalukyan Grant No. 21.
1609 ..	"	Do.
1610 ..	"	Do.
1611 ..	"	Do.
1612 ..	"	Do.
1613 ..	"	Do.
1614 ..	"	Do.
1615 ..	"	Do.
1616 ..	$\frac{1}{2}$	Seal of the above grant.
1617 ..	$\frac{1}{2}$	Treasure trove images, Mangamulpuram, Tiruchirappalli District.
1618 ..	"	Treasure Trove images, Varaganeri, Tiruchirappalli District.
1619 ..	$\frac{1}{2}$	Mysore Palace Door, Front Building.
1620 ..	"	Do.
1621 ..	"	Ornate Jug, Avinasi (Recopied from Indian Antiquary, Volume IV, page 302).
1622 ..	$\frac{1}{2}$	Sarojini Naidu, by K. Vaidyanathan.
1623 ..	"	Troops of Nawab of Cuddapah, in procession.
1624 ..	"	Troops of Nawab of Hyderabad, in procession.
1625 ..	"	Raja of Karvetnagar.
1626 ..	"	Surf at Madras.
1627 ..	"	Bird catcher.
1628 ..	"	Gong Beater.
1629 ..	"	Viswamitra in the court of Dasaratha.
1630 ..	"	Ganessa, Vishnu with Lakshmi and Dattatraya (Sandal-wood).
1631 ..	"	Ivory carvings in Room II, National Art Gallery.
1632 ..	"	Bidri wares—case No. 3 in Room II, National Art Gallery.
1633 ..	"	Panel with cow, wood carvings in Room II, National Art Gallery.
1634 ..	"	Trays 557 and 581 in Room II, National Art Gallery.
1635 ..	"	Trays (two numbers) and one vase in case 2, Room II, National Art Gallery.
1636 ..	"	Wood carvings—Dvarapalas (2) Tumburu, Sarasvati, Room II, National Art Gallery.
1637 ..	"	Sivagana (2) Chamaradhari and Soldier in action—Room II, National Art Gallery.
1638 ..	"	Panel showing Krishna Lila, Vaikunta, etc., in case 2, Room II, National Art Gallery.
1639 ..	"	Vidura's reception by Sri P. L. Narasimhamurti.
1640 ..	"	Horse (272/51) Centre Hall, National Art Gallery.
1641 ..	"	Elephant, Centre Hall, National Art Gallery.
1642 ..	"	Horse, Centre Hall, National Art Gallery.
1643 ..	"	Before rain.
1644 ..	"	Spring.
1645 ..	"	Raja (seated) and Raja (bust).
1646 ..	"	Raja, Rani and Prince, 171-74/53.
1647 ..	"	Chief on Horse Back—267/51.
1648 ..	"	Raja, Rani and Prince, 368/51.
1649 ..	"	Raja, Rani and Prince, 171/73/43.

APPENDICES

APPENDIX V—cont.

List of photographic negatives prepared during the year 1965-66—cont.

ARCHAEOLOGY—cont.

Film number.	Size of film.	Description.
(1)	(2)	(3)
1650 ..	$\frac{1}{2}$	Raja standing, 171-17/43.
1651 ..	"	Raja and Rani, 366/51.
1652 ..	"	Blessing by Dhanapal.
1653 ..	$\frac{1}{2}$	Princess.
1654 ..	"	Bamboo grove by K. Madhava Menon and Lotus study by Jaya Appasami.
1655 ..	"	Raber, painting offered by P. V. R. Naidu.
1656 ..	"	Raja's Durbar.
1657 ..	"	Illustration to Shah-nama.
1658 ..	"	Mughal king.
1659 ..	"	Muhammadan Chief on Horse back.
1660 ..	"	Alamgir II.
1661 ..	"	An illustration to Nizami.
1662 ..	"	Shahjahan.
1663 ..	"	Sikh Chief on Horse back.
1664 ..	"	Shahjahan.
1665 ..	"	Lady with Musical Instrument.
1666 ..	"	King Nashedan talking to Firdousi.
1667 ..	"	Two Bulls fighting
1668 ..	"	Two Elephants fighting.
1669 ..	"	Shahjehan.
1670 ..	"	Trader with a Balance.
1671 ..	"	Taimur.
1672 ..	"	Lady with attendant.
1673 ..	"	Rani Durgavati.
1674 ..	"	Man with Hookah.
1675 ..	"	Nobleman with attendant.
1676 ..	$\frac{1}{2}$	Devi with attendants.
1677 ..	"	Radha and Krishna.
1678 ..	"	Raja-Rani in Palanquin.
1679 ..	$\frac{1}{2}$	Saptasur.
1680 ..	"	Manasa Devi.
1681 ..	"	Sikh Chief on Elephant.
1682 ..	"	Mapsari and Mankali (Rag Ragini paintings).
1683 ..	"	Back of the above.
1684 ..	"	Berari and Babhas (Rag Ragini painting).
1685 ..	"	Back of the above.
1686 ..	"	Kuri and Dhansari (Rag Ragini painting).
1687 ..	"	Back of the above.
1688 ..	"	Gajri and Kori (Rag Ragini painting).
1689 ..	"	Back of the above.
1690 ..	"	Swraj and Ramkali (Rag Ragini painting).
1691 ..	"	Back of the above.
1692 ..	"	Pawater Dipak (Rag Ragini).
1693 ..	"	Back of the above.
1694 ..	"	Surat and Khanvi (Rag Ragini).
1695 ..	"	Back of the above.
1696 ..	"	Sixth Rag Sri Raj (Rag Ragini).
1697 ..	"	Back of the above.
1698 ..	"	Bhairavi (Rag Ragini).
1699 ..	"	Back of the above.

APPENDIX V—cont.

List of photographic negatives prepared during the year 1965-66—cont..

ARCHAEOLOGY—cont.

Film number.	Size of film.	Description.
(1)	(2)	(3)
1700 ..	1	Malhar and Narkamodi (Rag Ragini).
1701 ..	"	Back of the above.
1702 ..	"	Jehangir and Nurjahan.
1703 ..	"	Back of the above.
1704 ..	"	Ahmad shah Badshah.
1705 ..	"	Back of the above.
1706 ..	"	The Court of the Emperor Babar.
1707 ..	"	Back of the above.
1708 ..	"	Shahshuja, the son of Shahjahan.
1709 ..	"	Back of the above.
1710 ..	"	Prince of Arabia.
1711 ..	"	Back of the above.
1712 ..	"	Jami, a mystic poet in Persia.
1713 ..	"	Back of the above.
1714 ..	"	Nobleman.
1715 ..	"	Portrait of a prince.
1716 ..	"	Portrait of Nawab Shaistakhan.
1717 ..	"	Nobleman.
1718 ..	"	Back of Shaistakhan.
1719 ..	small.	General view of the V. T. K. cases (4B).
1720 ..	"	Horse (case 2) in National Art Gallery.
1721 ..	"	'At Station', Room III, National Art Gallery.
1722 ..	"	View of the stone chariot, Nageswara swami temple, Kumbakonam.
1723 ..	"	Do.
1724 ..	"	View of the wheel in the chariot, in the above temple.
1725 ..	"	View of Khampaharesvar. temple, Thiribhuvanm (Thanjavur District).
1726 ..	"	Another view of the above temple.
1727 ..	"	Do.
1728 ..	"	View of Siva temple, Tandantottam (Thanjavur district).
1729 ..	"	Do.
1730 ..	"	Do.
1731 ..	"	General view of the Vishnu temple, Tirunarayanapuram (Tiruchirappalli district).
1732 ..	"	Do.
1733 ..	"	Do.
1734 ..	"	Do.
1735 ..	"	Do.
1736 ..	"	Vaishnavi, Ramanuja Matam, Thanjavur district.
1737 ..	"	Chandikesvara, Ramanuja Matam, Thanjavur district.
1738 ..	"	Do.
1739 ..	"	Do.
1740 ..	"	Vaishnavi, Ramanuja Madam, Thanjavur district.
1741 ..	"	Do.
1742 ..	"	Do.
1743 ..	1	Vasudhara, Nagapattinam.
1744 ..	"	Annapurana, Recopied from South Indian Bronzes by C. Sivaramamurti, pt. 66a.
1745 ..	"	Dhanyalakshmi, embossed copper plate.
1746 ..	"	Recopy of a copper plate grant in Brahmi script (Sohagama copper plate) from E.I.
1747 ..	"	Fort of Lanka, National Art Gallery.

APPENDIX V—cont.

List of photographic negatives prepared during the year 1965-66—cont.

ARCHAEOLOGY—cont.

Film number. (1)	Size of film. (2)	Description. (3)
1748 ..	$\frac{1}{2}$	Jain Tirthankara (Photograph).
1749 ..	"	Do.
1750 ..	"	Do.
1751 ..	"	Lion Bracket wood carving (724/53).
1752 ..	"	Nagini, wood carving.
1753 ..	"	Dvarapala, wood carving.
1754 ..	"	Bhairava, wood carving.
1755 ..	"	Gana, wood carving.
1756 ..	"	Surya, wood carving.
1757 ..	"	Amaravati Medallion.
1758 ..	"	Do.
1759 ..	"	One set of three wood carvings.
1760 ..	"	Another set of wood carvings.
1761 ..	$\frac{1}{2}$	Unesco Experts—Photograph taken at Jaipur.
1762 ..	"	Sudarsana Bronze (11/3).
1763 ..	"	Sudarsana Bronze 52-2/37.
1764 ..	"	Vishnu, Mangammalpuram 553/66.
1765 ..	"	Fisherwoman by K. Srinivasulu.
1766 ..	$\frac{1}{2}$	Treasure Trove, Ammamandapam, Tiruchirappalli district.
1767 ..	"	Treasure Trove, Trivelichipattu village, Tiruchirappalli district.
1768 ..	$\frac{1}{2}$	Treasure Trove, Inam Kolathur, Tiruchirappalli district.
1769 ..	"	Treasure Trove, Trivelichipatti, Tiruchirappalli district.
1770 ..	"	Do.
1771 ..	$\frac{1}{2}$	Tirupati wood carving Sudarsana.
1772 ..	"	Sudarsana Bronze Thanjavur Art Gallery collection.
1773 ..	$\frac{1}{2}$	Casket of horn worked with ivory designs.
1774 ..	"	Another view of the above.
1775 ..	"	Casket with beautiful designs ivory (1135).
1776 ..	$\frac{1}{2}$	Jewellery casket (Ivory).
1777 ..	$\frac{1}{2}$	Laxman Pai's 'Summer'.
1778 ..	"	Kumarasambhava, Painting in Mysore tradition.
1779 ..	$\frac{1}{2}$	Vishnu, Enadhi (Bronze).
1780 ..	"	Treasure trove from Kottalai village.

CHILDREN'S SECTION.

Serial number. (1)	Neg. number. (2)	Size. (3)	Subject. (4)
1	F. 32	$\frac{1}{2}$ size	The Train model exhibits.
2	33	"	Do.

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 Director of Museums, Government Museum, Madras, should be addressed.

Volume and number.	Description.	of Number pages.	of Number plates.	Price.
(1)	(2)	(3)	(4)	(5) Rs. P.
<i>Natural History Section.</i>				
* 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 1, 1933.	Supplement to the Littoral Fauna of Krusadai Island in the Gulf of Mannar—Polychaeta by P. Fauvel, Pycnogonida by B. Sundara Raj, and Alpheidae 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 text figures).	9	NIL.	0 25
† Vol. I, No. 2, Part 3, 1936.	Scyphomedusae 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.	53	9	1 37
* Vol. I, No. 2, Part 5, 1943.	The Foraminifera of Krusadai Island in the Gulf of Mannar. By C. P. Gnana-muthu, M.A.D., SC., F.Z.S.	21	4	1 37
Vol. I, No. 2, Part 6 ..	Amphineura 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.	262	30	9 37
* Vol. II, 1929	The Flowering Plants of the Madras City and its immediate neighbourhood. By P. V. Mayuranathan, B.A., Botanical Assistant, Madras Museum.	345	88	8 00
Vol. III, No. 1, 1930 ..	The Scyphomedusae 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 Hydromedusae 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. 1 12
Vol. III, No. 4, 1933 ..	Sagitta of the Madras Coast. By C. C. John, M.A., D.Sc.	10	1	2 37
Vol. III, No. 5, 1937 ..	Decapod Larvae from the Madras Plankton. By M. Krishna Menon, M.A., M.Sc.	55	9	1 37
Vol. III, No. 6, 1940 ..	Decapod Larvae 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. Asclepiadaceae). By F. H. Gravely, D.Sc., and P. V. Mayuranathan, B.A., Government Museum, Madras.	26	4	1 50

† 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.	of Number pages.	of Number plates.	Price.
(1)	(2)	(3)	(4)	(5) Rs. P.
<i>Natural History Section—cont.</i>				
* Vol. IV, No. 2, 1938 ..	Supplement to the Flowering Plants of Madras City and its immediate neighbourhood. By E. Barnes, B.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
Vol. VI, No. 1, 1940 ..	The Thalasses of the Madras Plankton. By R. Velappan Nair, M.Sc.	41	6	1 75
Vol. VI, No. 2 ..	Copepoda of the Madras Coast. By A. Daniel.	40	16	2 37
Vol. VI, No. 3, 1939 ..	The Amphipoda of the Madras Coast. By K. Nagappan Nair, M.Sc.	59	16	4 35
Vol. VI, No. 4, 1940 ..	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	..	0 75
1961 ..	Guide to Snakes exhibited in the Reptile Gallery (Vamil). By S. T. Satyamurti, M.A., D.Sc., F.Z.S.	26	18	0 62
1962 ..	Guide to the Lizards, Crocodiles, Turtles and Tortoises exhibited in the Reptile Gallery. By S. T. Satyamurti, M.A., D.Sc., F.Z.S.	45	28	1 37
1963 ..	Guide to the Galleries of Foreign Animals, General Zoology, skeletal exhibits and Amphibians. By S. T. Satyamurti, M.A., D.Sc., F.Z.S.	65	40	3 00
1964 ..	Guide to the Mammal Gallery. By S. T. Satyamurti, M.A., D.Sc., F.Z.S.	..	..	2 36
1965 ..	Guide to the Fish Gallery. By S. T. Satyamurti, M.A., D.Sc., F.Z.S.	..	..	3 00
<i>General Section (with separate volumes for Anthropology and Archaeology respectively).</i>				
Vol. I, No. 1, 1920 ..	Buddhist Sculptures from a Stupa near Goli village, Guntur district. By T. N. Ramachandran, M.A.	44	12	1 55
* 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 ..	Thiruparutthikundram and its temples with appendices on Jaina units of measurement and time cosmology and classification of souls By T. N. Ramachandran, M.A.	266	37	11 25
Vol. II, No. 1, 1920 ..	The Adichanallur skulls. By S. Zuckerman, M.A., M.B.C.S., L.R.C.P., with Notes by Prof. G. Elliot Smith, F.R.S.	24	3	1 37

* Out of stock.

APPENDIX VI—cont.

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

Volume and number.	Description.	Number pages.	Number plates.	Price.
(1)	(2)	(3)	(4)	(5) Rs. P.
<i>General Section (with separate volumes for Anthropology and Archaeology respectively)—cont.</i>				
*Vol. II, No. 2, 1931 ..	The Sri Vaishnava Brahmanas. By Diwan Bahadur K. Rangachari, M.A., L.T.	168	2	5 75
Vol. III, No. 3, 1931 ..	Catalogue of the Musical Instruments exhibited in the Government Museum, Madras, By P. Sambamurthi, M.A., B.L., (Revised Edition).	32	14	2 25
* Vol. II, No. 4, 1927 ..	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 Silpa sastra. By F. H. Gravely, D.Sc., and T. N. Ramachandran, M.A.	24	2	1 10
Vol. III, No. 2, 1936 ..	An Outline of Indian Temple Architecture. By F. H. Gravely, D.Sc.	20	2	0 50
Vol. III, No. 3, 1938 ..	Catalogue of Venetian Coins in the Madras Government Museum. By T. G. Aravamathan, M.A., B.L.	59	1	1 50
Vol. III, No. 4 ..	Indian Epigraphy and South Indian Scripts. By C. Sivaramamurthi, M.A.	280	12	13 55
1939 ..	Guide to the Archaeological Galleries. An Introduction to South Indian Temple Architecture and Sculpture By F. H. Gravely, D.Sc., and C. Sivaramamurthi, M.A., and other Curators.	50	4	0 55
1929 ..	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.	..	46	0 95
Vol. IV, 1942 ..	Amaravathi Sculptures in the Madras Government Museum. By C. Sivaramamurthi, M.A.	376	65	16 50
* Vol. V, No. 1, 1944 ..	Drava and Culture Change. By A. Aiyappan, M.A., Ph.D. (London).	204	12	16 60
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 25
* 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.	54	12	0 80
Vol. VII, No. 1, 1954 ..	Nagapattinam Bronzes. By T. N. Ramachandran.	150	30	9 70
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

* 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.
<i>General Section (with separate volumes for Anthropology and Archaeology respectively)—cont.</i>				
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., F.R.D., and S. T. Satyamurti, M.A., D.Sc., F.Z.S.	228	11	2 75
1960	Scripts in and around India. By V. Kanniyan, B.A.	46	..	2 70
1961	Kalaichelvangel (Tamil). By R. Nagaswamy, B.A. (Hons.)	68	40	1 00
1962	Pazankala Panpadum Pasam Kudikalin Panpadum (Tamil). By C. J. Jayadev, M.A.L.T., and M. Raghupathy, M.A.	61	33	1 60
Vol. VIII, 1963 ..	Bronzes of South India. By P. R. Srinivasan, M.A.	396	205	57 00
1964	Hand-book of Madras Government Museum. Edited by S. T. Satyamurti, M.A., D.Sc., F.Z.S.	..	..	5 40
1964	Guide to the Anthropological exhibits By C. J. Jayadev, M.A., L.T.	..	..	1 05
1964	Nolamba Sculptures in the Madras Government Museum. By C. Sivaramamurti, M.A.	..	..	14 12
1964	A Guide to the Children's Gallery. By A. Vinnala, B.A.	..	..	1 25

CATALOGUES (OLD SERIES)

Description.	Price.
	RS. P.
* 1. Catalogue of Pre-historic Antiquities—By R. Bruce Foote—1901	3 25
2. The Foote Collection of Indian Pre-historic and Proto-historic Antiquities. Catalogue Raisonné—By R. Bruce Foote—1914	2 00
3. Catalogue of Pre-historic Antiquities from Adichanallur and Perumbair—By A. Rea—1916	1 50
4. The Foote Collection of Indian Pre-historic and Proto-historic Antiquities. Notes on their Ages and Distribution—R. Bruce Foote—1916	9 75
5. Catalogue of Exhibits in the Economic Products Section except wood specimens—By S. N. Chandrasekhara Ayyar—1921	2 12
* 6. Catalogue of the coins of Haider Ali and Tippu Sultan—By J. R. Henderson—1921	4 00

* Out of stock.

APPENDIX VII.

RECEIPTS AND EXPENDITURE.

		Amount.
		RS. P.
(a) Receipts.		
1 Sale of Photos	764-50	
2 Sale of Photo album		
3 Sale of coins	338-15	
4 Sale of metal casts of coins	204-32	
5 Sale of replicas of Rama, Sita and Nataraja	2,300-00	
6 Overtime fees of Caretaker remitted into Reserve Bank of India	1,343-00	
7 Unspent police charges	412-50	
8 Other Miscellaneous receipts	868-45	
9 Sale of publications	5,884-90	
10 Sale of picture post cards	197-60	
11 Museum Theatre rent	7,615-00	
12 Centenary Exhibition Hall rent	677-00	
13 Museum Restaurant	1,944-00	
14 Motor pump charges	301-50	
15 Microfilming copies	969-00	
Total	23,819-92	
(b) Expenditure.		
		Amount.
		RS. P.
27. Scientific Departments—		
a. A. Museums	15,509-90	
1 Pay of Officers	1,10,749-65	
2 Pay of Establishment		
3 Allowances—		
Travelling Allowance	1,953-85	
Dearness Allowance	55,510-36	
Other Compensatory Allowance	17,170-64	
4 Office Contingencies—		
Furniture and Fittings	11,858-35	
Rates and Taxes	36,117-00	
Pay of Contingent Staff	51-00	
Dearness Allowance to Contingent Staff	123-00	
Madras Allowance	6-00	
Special Compensatory Allowance to Contingent Staff	51-00	
Other Contingencies	63,783-72	
5 Other Charges—		
Apparatus and Materials	5,977-76	
Cost of Specimens	41,945-63	
Other Charges	14,861-89	
6 Maintenance of Padmanabhapuram Palace and Museum of Antiquities	7,315-42	
d. Development Schemes—		
III. Five-Year Plan—		
Pay	13,900-40	
2 Allowances—		
Dearness Allowance	5,988-70	
Other Compensatory Allowance	1,779-00	
3 Equipment	23,853-48	

APPENDICES

APPENDIX VII—cont.

RECEIPTS AND EXPENDITURE—cont.

(b) Expenditure—cont.

b. Grants-in aid and Donations to Scientific Societies and Institutes—

Grants to—	Rs.	P.
The Gandhi Smarak Sangrahalaya, Madurai	25,000	00
The Numismatic Society of India, Varanasi	600	00
The Museums Association of India, New Delhi	300	00
Total ..	4,64,308	55

APPENDICES RELATING TO THE GOVERNMENT MUSEUM, PUDUKKOTTAI.

APPENDIX A

Monthly list of visitors (from 1965 April to 1966 March).

Month.	Number of visitors.
April 1965	5,504
May	5,752
June	6,960
July	7,380
August	8,008
September	7,560
October	4,595
November	6,473
December	6,339
January 1966	5,274
February	7,838
March	8,360
Total ..	80,034

APPENDIX B.

List of schools which visited the Museum, 1965-66.

	Teachers.	Students.
1 St. Anne's Senior Basic School, Trichy	15	53
2 Government Girls' High School, Karuvannoor	4	96
3 Bala Vidhya Elementary School, Trichy	2	12
4 A. L. V. Achi P. U. School, Kottaiyoor	2	50
5 P. U. Higher Elementary School, Mandaiyoor	3	75
6 Government Syed Mobbursa School, Trichy	4	72
7 P. U. Elementary School, Kottaiyoor	4	38
8 S. B. School, Ramachandrapuram, Trichy District	2	20
9 P. U. Higher Elementary School, Aruppukkottai taluk	15	40
10 P. U. Elementary School, Chettipatti, Trichy District	1	16
11 P. U. Elementary School, Manachai Karaikudi	3	25
12 P. U. Higher Elementary School, Ammangudi	9	50
13 P. U. Elementary School	1	7
14 Armed Reserve Police Higher Elementary School, Trichy	5	50
15 P. U. Higher Elementary School	2	50
16 P. U. Higher Elementary School, Poongudi, Trichy District	1	28
17 Sri Ramakrishna Vidhyalayam, Arantangi taluk	5	17
18 Rames's Municipal Junior Basic School, Pudukkottai	4	112
19 Aided Elementary Monetary School, Kalamavoor	2	10
20 T. A. C. Board High School, Kottaiyoor	2	6
21 Sri Vinakathi Kalasalai	5	58
22 P. U. Junior Basic School, Annavasal	4	105
23 P. U. Elementary School, Kallangadu	5	43

APPENDIX B—cont.

List of schools which visited the Museum, 1965-66—cont.

	Teachers.	Students.
24 S. M. Higher Elementary School, Chittangadu	3	19
25 Women Welfare Centre, Nagarapatti	2	15
26 P. U. Higher Elementary School, Pudukkottai taluk	4	31
27 Sri Subbaramaia High School, Pudukkottai	4	107
28 Government Brahadamba High School, Pudukkottai	1	
29 T. E. L. C. Senior Basic School, Pudukkottai	1	50
30 Government Training College, Pudukkottai	3	56
31 Government High School, Pudukkottai	61	205
32 Fathima Elementary School, Tirumayam	3	30
33 P. U. Elementary School, Meyyapatty	1	16
34 Board High School, Annavasal	1	15
35 P. U. Elementary School, Nedungudi .. .. .	..	52
36 Natpukkappu Amaippu, Madurai .. .. .	..	50
37 M. Gt. R.M. High School, Kulipirai	4	59
38 St. Anne's Girls High School, Trichy	7	45
39 Mukya Sevik, Gramasevikas and S. E. O. of Mudukkur Panchayat Union.	..	45
40 Board High School, Manachanallur	3	32
41 S. S. A. High School, Dangienam .. .. .	..	28
42 T. E. L. C. Senior Basic School, Pudukkottai	1	47
43 St. Joseph's Higher Elementary School, Kottaiyadu	3	29
44 Sri Saraswathi High School, Konapat	5	75
45 Oddaipatti P. U. Higher Elementary School, Oddanchestram	2	16
46 Municipal Basic School, Pudukkottai	1	23
47 Municipal Girls High School, Mettupalayam	7	54
48 Sri Saraswathi High School, Konapat	5	80
49 Municipal Junior Basic School, Pudukkottai	3	65
50 T. E. L. C. Senior Basic School, Pudukkottai	5	110
51 P. U. Elementary School, Eswarankoil	2	25
52 Do. Viraimalai Division	1	12
53 Do. Perungalur	5	55
54 Fathima High School, Puthur, Trichy District	5	25
55 P. U. Elementary School, Arimalam	2	12
56 Do. Namanasamuthiram	2	29
57 Kazhaka Uyarailai Palli, Mathukkur	3	6
58 Chidambaram Chettiar Higher Elementary School, Namanaschettaram.	2	36
59 Municipal School, Pudukkottai	2	38
60 P. U. Elementary School, Perungudi	3	30
61 Do.	1	11
62 Municipal Girls' High School, Chikkikulam	14	72
63 Municipal School, Tiruchicappalli	5	62
64 Sacred Heart Girls' Higher Elementary School, Golden Rock .. .. .	..	80
65 Municipal High School	3	61
66 Annaabhatram School, Trivarangulam P. I.	1	12
67 St. Mary's Girls' High School, Devakottai	11	81
68 Higher Elementary School, Arimalam	1	17
69 Holy Redeemer's School, Tiruchirappalli	3	57
70 Board High School, Vadamlapurichi	14	46
71 R. C. High School, Tiruchirappalli	5	51
72 Tiruvalluvar High School, Alangottai	7	59
73 Higher Elementary School, Tikkatpur	3	40
74 P. U. Elementary School, Kalumangalam	5	22
75 Venujalar Higher Elementary School, Palaiyancer	8	63

APPENDIX B—cont.

List of schools which visited the Museum, 1965-66—cont.

	Teachers.	Students.
(b) <i>Expenditure—cont.</i>		
76 Government Syed Mathuradasa High School, Tiruchirappalli ..	2	35
77 Pombon Higher Elementary School	7	49
78 Government Welfare School	2	30
79 Kazhaka Uyar Nilai Palli, Anandhur	8	45
80 Board High School	9	62
81 P. U. School, Veppangudi	2	15
82 P. U. Higher Elementary School, Alangudi	6	47

APPENDIX C.

*Statement showing receipts and expenditure in the Government Museum, Pudukkottai.
for 1965-66.*

(A) <i>Receipts.</i>						(2)	(3)
(1)							
Sale of Handy guides—							
English	..	..	..	..	..	1-30	
Tamil	..	..	..	..	..	7-70	
						<hr/>	
						9-00	

(B) *Expenditure.*27. Scientific Departments—*a. A. Museums.*

	B.E. RS.	ACTUALS. RS.
2 Pay of Establishment	13,930	13,927-40
3 Allowances—		
Travelling Allowance	280	276-07
Dearness Allowance	6,540	6,539-00
Other Compensatory Allowance	800	781-28
4 Office Contingencies—		
Furniture and fittings	2,290	2,179-69
Rates and Taxes	500	497-52
Pay of contingent staff	530	528-00
Dearness Allowance to contingent staff	1,000	1,004-00
Special Compensatory Allowance to Contingent staff	410	408-00
Other contingencies	2,700	2,791-43
5 Other charges—		
Apparatus and materials	510	84-75
Cost of specimens	160	439-25
Other charges	140	148-08
III. Five-Year Plan		
Pay	1,160	1,159-00
Dearness Allowance	570	568-00
Other Compensatory Allowance	70	71-00
		<hr/>
		31,397-29

APPENDIX D.

List of Books added to the library during 1965-66.

- 1 Man in India Vol. 45, No. 1 January-March 1965.
- 2 Do. 2 April-June 1965.
- 3 Do. 3 July-September 1965.
- 4 Do. 4 October-December 1965.
- 5 Journal of Bombay Natural History Society Vol. 62 No. 1 April 1965.
- 6 Do. 2 August 1965.
- 7 Do. Vol. No. 61 3 December 1964.
- 8 Marg. Vol. XVIII No. 1 December 1964.
- 9 Do. 2 March 1965.
- 10 Do. 3 June 1965.
- 11 Do. 4 September 1965.
- 12 Do. 1 December 1965.
- 13 Cultural Forum Volume VII, numbers 1 and 2, April 1965.
- 14 Journal of Indian Museums—Volume XVII to XX, 1961-64.
- 15 Handicrafts in India by T. M. Abraham.
- 16 The Great World Atlas.
- 17 Census of India 1961, Tiruchirappalli district, Volume II, 1965, by P. K. Nambiar.
- 18 Census of India 1961, Tiruchirappalli district, Volume II, 1965, by P. K. Nambiar.
- 19 Guide to the Mammal Gallery by S. T. Satyamarti.
- 20 Guide to the Anthropological Exhibits by C. J. Jayadev.
- 21 Guide to the Children's Gallery by A. Vimala.
- 22 Studies in Museology, Volume II.
- 23 Census of India, 1961, Madurai district, Volume II, by P. K. Nambiar, 1961.
- 24 Farm Forestry.
- Supplementary glossaries and special terms of—
 - 25 Survey and land revenue department.
 - 26 Co-operative department.
 - 27 Fisheries department.
 - 28 Education department.
 - 29 Public Works department.
 - 30 Local Administration department.
 - 31 Panchayat Radio maintenance organisation.
 - 32 Cinchona department.
 - 33 Administration Report of the Government Museum, Madras and Pudukkottai for the year 1957-58, 58-59, 59-60 and 60-61.
 - 34 Do. 1962-63.
 - 35 Do. 1961-62.

APPENDIX E.

List of distinguished visitors and their remarks.

<i>Date of visit.</i>	<i>Name and designation.</i>	<i>Remarks.</i>
10th April 1965	Sri S. K. Iswaran, Regional Administrative Medical Officer, Employees' State Insurance Scheme, Thalakulam, Madurai.	Myself with the Sub-divisional Magistrate Mr. Sadanandam and the Sub-Magistrate with their families visited the Museum today. The staff incharge of the Museum were very good and instructive when they took us round and showed the exhibits. I wish the exhibits will increase in number and will be of much educative value to the public.
25th February 1966	Mr. Vordiev, Professor, Mr. Shrinov, member of the delegation and Mr. Baisarrev, Interpreter.	The members of the Soviet delegation visited Government Museum, Pudukkottai on 25th February 1966. This Museum deeply impressed us. We saw careful job done by the staff of the Museum who systematized valuable specimens, reflecting history and culture of the Indian people. We saw also specimens, reflecting the wild world and nature of India. So we became familiar with India a bit more. We are grateful to the Museum Curator Mr. Raghupathy for the detailed information delivered by him to us.

GOVERNMENT OF MADRAS
1967



EDUCATION AND PUBLIC HEALTH DEPARTMENT
(Education.)

G.O. No. 1595, 24th August 1966

Madras—Administration Report of Government Museum at Madras and Pudukottai and National Art Gallery, Madras for 1965-66—Recorded.

Read—the following paper :—

Letter from the Director of Museum, dated 1st May 1966, No. 1881/66-E.

Order—No. 1595, Education, dated 24th August 1966.

Recorded.

(By order of the Governor)

J. ANJANI DAYANAND,
Deputy Secretary to Government.

To the Director of Museum, Madras-8.

- " Director of Secondary Education, Madras-6.
- " Director of Higher Education, Madras-6.
- " Accountant-General, Madras-18.
- " Director-General of Archaeology in India, New Delhi.
- " Revenue Department.
- " Industries, Labour and Co-operation Department.
- " Librarian, Madras Legislature Department.
- " Librarian, Secretariat, Madras-9.
- " Director of Stationery and Printing, Madras-1, (with a copy of the Administration Report for printing and supply copies as specified in the Director of Museum's letter with a copy of pages 1-2 cf.)

