ANNUAL REPORT
OF THE
AUSTRALIAN MUSEUM
FOR THE YEAR ENDED 30th JUNE, 1949.

Presented to Parliament in pursuance of the provisions of Section 10 of the Australian Museum Act, No. 61, 1902, as amended.

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ANNUAL REPORT
OF THE TRUSTEES OF THE AUSTRALIAN MUSEUM

To His Excellency the Governor,—

The Trustees of the Australian Museum have the honour to submit to Your Excellency their ninety-fifth Annual Report for the year ending 30th June, 1949.

1. Trustees.

In December, 1948, Mr. H. B. Mathews was unanimously elected President for the year 1949.

The Board of Trustees suffered the loss, by death, of three Elective Trustees (Mr. E. C. Andrews, Dr. C. Gordon MacLeod, and Mr. John Spence) during the year.

Mr. E. C. Andrews, former Government Geologist of New South Wales, who had been an Elective Trustee since 1924, died on 1st July, 1948. During the whole period of his Trusteeship he took a keen interest in the scientific work of the Museum and in the welfare of the staff.

Dr. C. Gordon MacLeod, who died on 30th April, 1949, had been an Elective Trustee since 1925 and had taken an active part in the affairs of the Museum during his period of office.

Mr. John Spence, former Auditor-General of New South Wales, was an Official Trustee from 1928 until he retired from the Public Service in 1942, and an Elective Trustee from 1942 until his death on 28th June, 1949. He took an active interest in the administration of the Museum, both as an Official and as an Elective Trustee.

The vacancies resulting from the deaths of Mr. Andrews and Dr. MacLeod were filled by the election of Mr. F. L. S. Bell and Mr. Frank W. Hill as Elective Trustees.

During the year, leave of absence was granted to Professor W. J. Dakin on account of serious illness, and to Messrs. F. E. Spencer and W. C. Wurth during their absence from Australia.

The list of Trustees at 30th June, 1949, is shown in Appendix A.

2. Staff.

The Director was invited by the Hon. the Minister for Post-war Reconstruction to be a member of the Australian Delegation to the Third General Conference of the United Nations Educational, Scientific and Cultural Organization. The Delegation included three persons from Australia, and, with the consent of the State Government, the Director accepted and attended the Conference which took place at Beirut, Lebanon, in November-December, 1948. After the conclusion of the Unesco Conference the Director paid a short visit to the United Kingdom and discussed various museum matters with the Directors of several important Museums, including the British Museum (Natural History), London, The Royal Scottish Museum, Edinburgh, the National Museum of Wales, Cardiff, and Le Musée de l’Homme and the Museum National d’Histoire Naturelle, Paris.

In January, 1949, the Director was President of the twenty-seventh meeting of the Australian and New Zealand Association for the Advancement of Science held at Hobart. In February the Director was an official guest of the Seventh Pacific Science Congress in New Zealand.

During the absence of the Director his duties were carried out by Mr. J. R. Kinghorn, Assistant to the Director.

Mr. J. R. Kinghorn was nominated as the representative of the Australian Museum on the Fauna Protection Panel appointed under the Fauna Protection Act, 1948. Mr. E. Le G. Troughton was also appointed a member of the Panel, as one of the three members nominated on the recommendation of Societies whose activities are concerned with aspects of the native fauna.

Mssrs. E. Le G. Troughton, A. Musgrave, F. D. McCarthy and R. O. Chalmers attended the meeting of the Australian and New Zealand Association for the Advancement of Science in Hobart during January, and a meeting of the Art Galleries and Museums Association of Australia and New Zealand also held at Hobart.

Miss C. M. J. Allan and Miss E. G. Pope attended the Seventh Pacific Science Congress in New Zealand during February.

At the request of the Fisheries Division of the Commonwealth Council for Scientific and Industrial Research, the services of Mr. G. P. Whitley were made available for a period of three months as Scientific Officer on one of the Division’s research vessels during the conduct of a survey of fisheries in New Guinea waters.

Mr. F. D. McCarthy resumed duty on 24th November on his return from Arnhem Land where he had spent nearly nine months with the American-Australian Scientific Expedition.

Further efforts were made to fill the vacant position of Education Officer, with the result that Mrs. B. A. Graham, B.Sc., Dip.Ed., was seconded to the Museum from the Department of Education for this work.

3. Honorary Staff.

The following members of the Honorary Staff were re-appointed for a period of five years:—Dr. G. A. Waterhouse, Professor T. Harvey Johnston, Dr. E. A. Briggs, Mr. Melbourne Ward, Dr. H. Leighton Kesteven, Mr. G. A. Thomas and Mr. R. A. Hindwood.

Mr. W. E. Harney, of Darwin, was appointed as Honorary Collector for the Museum.

4. Field Work.

Field work was carried out by Mr. G. P. Whitley during a fishery survey in New Guinea waters and Mr. F. D. McCarthy as a member of the American-Australian Arnhem Land Expedition.

Mr. H. O. Fletcher accompanied officers of the Geological Survey on an examination of fossil-bearing beds in the Scone district and the coal-bearing beds at Cranky Corner.

Mr. R. O. Chalmers accompanied officers of the Commonwealth Mineral Resources Survey on an examination of a number of mineral fields in New South Wales.

A party of preparators proceeded to the Upper Allyn River district in January and collected black cockatoos and accessory material required for the habitat group which is in course of construction.

5. Gallery Exhibits.

Good progress was made with the Black Cockatoo Habitat Group, but difficulties were experienced from time to time in obtaining materials and in working under power and lighting restrictions.

Re-arrangement and improvement of part of the Invertebrate Gallery and a small section of the Mammal Gallery were commenced and are proceeding satisfactorily.

Two figures (Maori and Papuan) in the series of models of South West Pacific native races were completed and placed on exhibition in the Entrance Hall.

Repair and overhaul of the New Guinea Ravi Group was completed.

A model of Captain Cook’s “Endeavour Bark,” constructed by the late Commander Cecil Brooks, D.B.O., was placed on exhibition, having been presented to the Museum by Mrs. Brooks, through the former Lord Mayor of Sydney (Alderman R. J. Bartley).

During the year, 300 volumes were added to the Library, apart from the usual additions of bound serials. There has been a continued resumption of suspended exchanges and new ones have been entered into. The demand from various research workers upon the library resources has increased in volume. Such help is not confined to institutions within the State, but is also extended to the Commonwealth, other States, and New Zealand. Apart from this, assistance has also been rendered to visiting investigators, and to many others requiring aid to a lesser degree.

As in previous years the librarian has assisted in editing and the preparation of material for publication.

7. Publications.

During the year, Volume IX, Parts 8, 9 and 10 of the "Australasian Museum Magazine" were issued.

Owing to continued increases in the costs of printing and preparation of blocks for illustration, the Trustees reluctantly decided that an increase in the price of the Magazine was unavoidable. For many years the Magazine has been published at a financial loss, no increase in selling price having been made since it was first published in 1922. Publication costs have more than doubled in the last ten years, and commencing with Volume X, Part I, which is due to be published early in 1950, the price will be increased from one shilling to two shillings per copy.

The Trustees have under consideration the possibility of issuing, from time to time, handbooks dealing with Museum material and have appointed a Committee to collect information as to the practicability of publishing a handbook on Ethnology as the first of a series.

Volume XXII, No. 2, of the "Records" was issued in January, 1949. It contains eight papers dealing with a variety of subjects based on portions of the collections.

The Guide to the Museum continued to have a ready sale and it was necessary to have a further edition printed.

8. Lectures.

The Popular Science Lectures were continued and the attendance at the first lectures of the 1949 Series were particularly gratifying. The lectures to school children, as formerly, aroused much interest amongst the pupils who attended.

The attendances at these lectures were as follows:

- 11 Popular Science Lectures .......... 1,420
- 13 School Lectures .................. 2,566

Members of the staff delivered a number of lectures also to various societies interested in Natural History.

At the request of the Headmaster, Mr. J. R. Kinghorn visited the Fairbridge Farm School at Molong and delivered lectures to the children and to the parents.


The Staff continued to contribute to the programme of school broadcasts on Nature Study, and have frequently contributed news reviews on subjects of scientific interest—a service much appreciated by listeners.


As the result of unusually moist weather in February and March, the problem presented by the unsuitable accommodation for portions of the collections subject to attack by moulds was accentuated. The only satisfactory solution is the provision of a suitable building, such as is envisaged in the extension of the present buildings along the William-street frontage, of which preliminary plans were approved by the Trustees last year. The necessity is emphasized of proceeding with this extension as soon as a remission of building operations becomes possible. Some of the affected collections have been moved, and during next summer experiments will be made with several suggested methods of reducing the liability to attacks by moulds.

After considerable delay the proposed improvement of the College-street entrance to the Museum was commenced and good progress had been made by the end of the year. The scheme involved elimination of one panel of the stone fence on each side of the entrance and replacement of the steps.

11. Finance.

Expenditure from Consolidated Revenue for the year (excluding Statutory Endowment of £1,000) was £26,452 compared with £22,588 16s. 7d. last year. Net expenditure from Trustees' Account (including Statutory Endowment) was £29,000 17s. 6d. compared with £21,196 6s. 5d. for 1947-48.

The cash balance in the Trustees' Account at 30th June, 1949, was £518 1s. 4d. Trustees' invested funds at 30th June, 1949, were: Commonwealth Inscribed Stock, £5,250; Commonwealth Savings Bank, £63 6s. 3d.

Statement of Receipts and Expenditure for the year is contained in Appendix B.


Statistics of attendances for the years 1944-45 to 1948-49 are as follows:

<table>
<thead>
<tr>
<th>Year</th>
<th>Week-days</th>
<th>Sundays</th>
<th>Total</th>
</tr>
</thead>
<tbody>
<tr>
<td>1944-45</td>
<td>178,317</td>
<td>78,367</td>
<td>256,684</td>
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<tr>
<td>1945-46</td>
<td>160,584</td>
<td>67,922</td>
<td>228,506</td>
</tr>
<tr>
<td>1946-47</td>
<td>190,104</td>
<td>54,801</td>
<td>244,905</td>
</tr>
<tr>
<td>1947-48</td>
<td>136,082</td>
<td>61,745</td>
<td>197,827</td>
</tr>
<tr>
<td>1948-49</td>
<td>151,181</td>
<td>67,091</td>
<td>218,272</td>
</tr>
</tbody>
</table>

13. Publicity.

Many firms are assisted by loans of specimens for use in window displays, in return for which they draw attention to the Museum and its exhibits by means of cards placed in the windows.

The Trustees agreed to place a small exhibit in the Sydney Harbour Bridge Pylon exhibition and this should serve to bring the Museum to the notice of a large number of people.


During the year the Trustees succeeded in having three cabinets constructed for the exhibition of the Vickery Stamp Collection. Miss Vickery's bequest, in view of the great increase in costs during recent years (including cabinet accommodation for display of only about one-third of the collection), is a most satisfactory solution, presented by the late Miss Vickery, to the Trustees a sum of money sufficient to provide a second cabinet. The Trustees provided the funds for the third cabinet, and it will now be possible to place practically the whole collection on exhibition.

15. National Reserves.

The Trustees made representations, through the Minister for Education, to the Minister of Lands for the declaration of an area of Crown lands northeast of Wiseman's Ferry, bounded by Macdonald River, Old Great Northern Road, Ten Mile Hollow Valley, Mangrove Creek and Hawkesbury River, as a National Park and suggested that it be given the name "Dharuk National Park." This is an area of rugged country containing many rock carvings of the aboriginals, and a considerable variety of native fauna and flora and practically the only settlement on it is along a narrow belt adjoining the river.


The renovations of the birds from the Maitland Museum was completed and the exhibit was ready for return to West Maitland.

17. Antarctic Expedition.

A contribution was made to the Australian National Antarctic Expedition by assisting two zoologists selected to go to Macquarie and Heard Islands to obtain some knowledge of methods of collecting and preserving specimens under the conditions which they will find in their work.


The collections received regular attention and are well cared for. The summer was an unusually moist season and expositions were extremely favourable for the growth and development
are housed under unsatisfactory conditions were of moulds. Consequently some portions of the collections which have been taken to minimize this during the coming year, but it seems almost impossible to eliminate it in the present building. For this reason the need of a new building for storage as well as for exhibition purposes, and the difficulty is once more pointed out, of maintaining the national collections in perfect order under existing conditions.

As usual, much of the time of the scientific staff was occupied in the preparation of replies to the very numerous inquiries on natural history subjects received from the general public, as well as from Government departments, both State and Commonwealth.

Members of the staff contributed the articles for the Museum Magazine, which maintains its popularity with subscribers. Various sections of "Australian Science Abstracts," published by the Australian National Research Council, were contributed by appropriate members of the scientific staff.

Specimens were made available to students for research work and also to a number of artists and art students.

Mr. E. G. Donkin, of Bowral, who made an extended tour of Africa, offered to collect for this Museum, and as a result the Museum collections have benefited by the addition of a very fine collection of birds and mammals by the native tribes, especially of the musical instruments made and used by primitive races. Mr. Donkin also obtained a series of films of the native races, and it is hoped that the Museum will be able to obtain copies of some of them for use in its educational work.

The Trustees received, from Miss Edith Hill, a gift of a valuable collection of carved ivories, and it is hoped that these will shortly be placed on exhibition.

A collection of stamps illustrating numerous representations of various types of animal in the design of the stamp, presented to the Trustees by Mr. J. W. Doved, was prepared for exhibition and will be placed in the galleries at an early date.

**Birds.** (J. R. Kinghorn in charge; J. A. Konst, Science Trainee.)

Eighty-five specimens were added to the collection, including a series of Black Cockatoos collected by a Museum party at Upalpi, some parrots from Heard Island presented by the Trustees of Taronga Zoological Park, and a collection of Queensland birds presented by Messrs. A. F. Austin and A. M. Barnett.

A report was furnished on the fauna of Jenolan Caves, and suggestions were offered regarding the rehabilitation thereof of species which had been exterminated by foxes and wild cats.

A visit was paid to the Macquarie Marshes to take part in an investigation of problems associated with permanent water for growing and the retention in the area of the aquatic and wading birds.

Assistance was rendered to the Department of Agriculture and the Chief Superintendent’s Department in regard to the identification of birds and their economic value. Many foreign birds and plumes were identified for officers of the Customs Department. Assistance was also given to Art Students of the Technical College who make extensive use of museum galleries during their course, and to many students of ornithology.

**Reptiles and Batrachians.** (J. R. Kinghorn in charge.)

Nearly six hundred specimens were added to the collection, among them being a number collected in North Australia by Mr. J. R. Bray as a member of the American-Australian Arnhem Land Expedition. Interesting material was also received from Mr. B. E. Green, of Ooldea, and from Miss Margaret Mankin, of Nyungar. A few specimens were obtained by exchange from Professor T. Olsen, of Lund University, Sweden.

Many specimens were identified for visitors, for the School of Public Health and Tropical Medicine, and for workers in other museums.

Research is proceeding on a revision of snakes belonging to the genus Acanthophis, but is held up for the time being until information is received regarding the type of E. bertholdii which is in the possession of Dr. E. Kreyff, of Berlin, has helped by obtaining drawings and furnishing notes of specimens which are in European Museums, and various Australian museums have lent material for examination in the course of this research.

**Mammals and Skeletons.** (E. Le G. Troughton in charge.)

Interesting accessions included the second known specimen of the rare Grunsonia monochromia from the Central Highlands of New Guinea and the second specimen of a long-beaked ant-eater, Zaglossus, from Mr. E. J. L. Hallstrom; Papua and New Guinea species from the Trustees of Taronga Park, including F. Blood and Mr. J. L. Harrison; C. W. Jones; kookaburras; South Africa; Victorian mammals from Mr. C. F. Krast; and Malayans from Dr. J. L. Harrison. A museum party collected mammals on the Allyn River. Some Ceylonese and Australian specimens were collected by Mr. T. E. Green, of Ooldea.

A review included a report of the osteological material (Primates) with Dr. Peacock, and a selection of specimens for study by Dr. E. M. Hinde of the Zoological Society of London. Cranial specimens were made available for dental research and skeletal material for dining by the Department of Information.

Some progress was made in the preparation (with Mr. T. Irwold) of the Check-list of the Mammals of New Guinea. Notes were assembled for revisions of the genera Smithshoepia and Pakucus. Assistance was given to Departments and Institutions including the School of Public Health and Tropical Medicine, Chief Secretary’s Department and Department of Information. This assistance covered a wide range of subjects, amongst which were rats of parasitological importance; destruction of seals in Victoria; report on Koala Park; live hare coursing; control of mosquitoes, handicap to sport; and the use of native trade names for furs. The Curator of Mammals served on a number of Joint Departmental Committees, and on a Committee for faunal parks and sanctuaries in the Australian Capital Territory.

The visits to Australia of Dr. G. H. H. Tate (American Museum of Natural History Expedition to Cape York), Dr. J. H. Johnson of the United States National Museum (Arnhem Land Expedition) and Mr. H. J. Coldidge of the Pacific Science Board provided valuable opportunities for discussion of mammal problems and conservation of native faunas.

**Fishes.** (G. P. Whitley in charge.)

Accessions included small coral reef fishes from New Caledonia (Dr. R. Oults); freshwater species from Coen district, Queensland, including a specimen of Pseudolabus, a Western Australian species, including several new records for the State (Dr. D. L. Serventy); several species new to the New South Wales fauna (Messrs. J. C. Woore, A. D’Ombra and T. H. Webb); some rare New Zealand and Chatham Island species (Dominion Museum, Wellington, N.Z.); and some eels and gudgeons from the Allyn River. The second known specimen of the Disc Dor, Paraditis, was obtained by purchase. Some rare New Zealand Galaxiids and various Russian and European fishes (including Canophora hstenicola) were obtained by exchange.

During the year Mr. Whitley spent three months on a fisheries survey vessel of the Division of Fisheries, Council for Scientific and Industrial Research, in New Guinea waters. In the course of this survey a large collection of the fishes was made, and it is expected that the lists illustrative of the collection will later be received at the Museum.

As opportunity offered, descriptions and figures of new or little known fishes were prepared for later publication. Papers published in 1949 included "A new pipe-fish from Queensland" (in conjunction with A. Praser-Brunner) in the Records, "The Jonah Fish" in the Australian Naturiologist, and "A list of the fishes of Western Australia" in the Western Australian Fisheries Bulletin. "Studies in Ichthyology, No. 11" was completed and accepted for publication in the Australian Journal of Zoology.

**Insects and Arachnids.** (A. Mysagrove in charge, and K. C. McKenney; Nancy B. Adams, Assistant.)

The most important addition was a large collection of insects and arachnids from Groote Eylandt and North Australia made by Mr. J. E. Bray, a member of the American-Australian Arnhem Land Expedition. A collection of Tasmanian insects was made by Mr. Mysagrove during January when he attended the meeting of the Australian and New Zealand Association for the Advancement of Science.

The death of a lad 14 years of age at Lake Cove, as the result of a spider bite, led to a flood of inquiries regarding spiders, and for about four months the department was kept busy identifying spiders and answering inquiries from the general public, the press, and broadcasting stations.

Some specimens of the Goldfinch collection of moths showed signs of attack by mould, possibly a result of the exceptionally humid conditions prevailing during the early months of 1949.
Revisory work was carried out on a number of groups, including the Australian Tenebrionidae, the Australian and Pacific thrips, the Australian and Pacific Insects, the Australian and Pacific Millipede, the Australian and Pacific Hymenoptera, the Australian and Pacific Insects, the Australian and Pacific Nematoda, and the Australian and Pacific Nematoda. The collection of Australian Rhynchophora was examined and described by T. R. Raymond. Mr. McKeown made some notes on the type of actinia, a new species named by T. R. Raymond.

To the accompanying inquiries, occupied Broadcasting School for discussion of Nudibranchia of other species, Mr. McKeown included a paper on the results of this research to the Seventy Seventh Science Congress in Sydney. He is also continuing his research work on Australian bivalves, having examined a collection, lent by the Western Australian Museum, on which a report is now being prepared. Miss Pope accompanied a party from the National Museum of Victoria on a visit to various coastal localities and so extended the range of her collection geologically.


Two hundred and seventy-seven specimens added to the regist ered collection included material collected by Mr. Chalmers at various localities in New South Wales and northern Australia; a small collection of specimens from Mrs. Andrews; and a fine specimen of crocidolite from Western Australia presented by Australian Blue Asbestos Ltd.

Specimens were received by exchange from Mr. J. J. John son and Mr. N. N. Trainer, and from the Czech National Museum, Prague.

The radioactive material in the collection was examined by a geophysicist from the Commonwealth Bureau of Mineral Resources. Following on this the Bureau arranged a programme of field examination of New South Wales mineral prospects and Mr. Chalmers accompanied two geophysicists on this field work.

Fluorescent lights were installed over a number of the island cases in the mineral gallery.

Numerous requests were received for information, many of them dealing with gemstones.

Rocks. (R. O. Chalmers, A.S.T.C., in charge; J. F. Lovett, Science Trainee; Frida Sachs, Assistant.)

One hundred and sixty-eight specimens were registered, the most interesting additions being tectites from the Philippine Islands and associated Received from the South Australia Museum. Rocks collections were made by Mr. J. F. Lovett and in South Australia by Mr. Chalmers.

The main mass of the meteorite from Dorogo was placed on display, a satisfactory method of preservation having been devised.

Selected specimens of Antarctic dolerite were sent to the University of Tasmania, and aurarites to the University of Chicago for use in research work.


Fossils. (H. O. Fletcher in charge.)

Interesting additions acquired during the year included Permain insect remains from Belmont, marine and plant fossils from Permian horizons in the Gunnedah district, and a collection of the marine fauna of the Lower marine series at Cranberry Creek near Singleton. There were also transferred to the Mining Museum the collection of Upper Devonian fossil fish described by Professor E. S. Hills (Q.J., 1925, 1926), the holotype of Prosthenus australis Smith Woodward from New South Wales by Mr. J. F. Lovett and in Tasmania and various localities in New South Wales by Mr. Chalmers.

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Several visits were paid to the Beacon Hill quarry at Brookvale where, with the co-operation of the men working in the quarry, excellent specimens of fish and insect remains were obtained. Field work was carried out in the Hunter Valley and at Cranky Corner, in company with officers of the New South Wales Geological Survey, and specimens were collected at a number of localities.

Anthropology. (F. D. McCarthy in charge.)

Among the 5,374 accessions registered were the following:—

About 680 specimens from the Arnhem Land Expedition of 1948, as well as an extensive collection of stone, bone and shell implements, and pigments not yet registered; 172 specimens, including a fine series of native musical instruments presented by Mr. E. G. Dunkin who collected them during a recent trip through Kenya, Tanganyika, Uganda, Nyasaland, Belgian Congo and Rhodesia; 186 specimens from Pacific Islands, from Captain F. J. Baylons; a collection of musical instruments from Assam, from Sir Iven Mackay; 2 rice- cultivation instruments used in Assam, from Mr. C. R. Stonor; 22 specimens, including some fine sacred boards, collected in the Wessel Islands by Dr. W. P. Groves; 19 specimens from Northern Australia, from Mr. W. E. Harvey; 24 Gruite Eylandt specimens from Messrs. F. Gray and G. W. T. McCarthy; some fine whale’s tooth pendants from Mrs. Gertz; and 11 Goulburn Island bark paintings.

Numerous stone implement collections were received, including 814 specimens from four Victorian sites (Dr. R. M. Wishart); more than 460 Victorian implements bequeathed by the late W. D. Gillespie; small series from Merriwa (Dr. E. E. Bunt), Ben Lomond, N.S.W. (Mr. J. St. Clair Steel), Tasmania (Messrs. J. P. Bray and J. M. P. Bassett-Smith), Moonta, South Australia (Mr. H. K. Bartlet), Moreton Island, Queensland (Mr. H. Kenna), Western Australia (Mr. J. Calaby), and various localities in New South Wales (Rev. A. J. Barrett and Miss N. Hunter). Mr. McCarthy collected implements in Tasmania and at Murramarrang, N.S.W. Seventeen examples of a new type of stone implement from the Darling Downs, Queensland, were received from Mr. H. D. Mackay; a unique stone figure of a lizard, ploughed up at Mufflely, from Mr. V. Ellis; and a unique cylindrical implement collected near the Adelaide River, N.T., from Captain W. Murphy. A small collection, including a fine pearl-shell phallicrypt, was purchased from Mrs. H. Basadow.

Rearrangements were made in the storage of the reference collections and, on account of the growth of these collections, additional storage cabinets are needed. These, however, are difficult to obtain under existing shortages of materials.

Mr. McCarthy resumed duty at the Museum on 24th November, on his return from the Scientific Expedition to Arnhem Land. The archaeological collection made by the Expedition was classified and notes were compiled for a report to be prepared in collaboration with Mr. F. M. Setzler, of the United States National Museum, also a member of the Expedition. Other reports, two of which (dealing with string-figures secured at Yirrkala, and the life of a group of bush-dwelling natives) were practically completed, are to be incorporated in the official reports of the Expedition, to be published by the Commonwealth Government.

A paper on "Prehistoric Cultures of Australia" is awaiting publication in Oceanica, and "Records of the Rock Engravings of the Sydney District. No. 39-40" appeared in Monticola.

Mr. McCarthy examined stone implements in the Museums at Hobart and Launceston and in the private collections of Messrs. Maning and Meston, and also visited several native camping-grounds and workshops, and sites of rock engravings.

Interesting inquiries included those from Ealing Studios for information and specimens in connection with the aboriginal scenes in their film "Bitter Springs"; Dr. Boorman, in connection with our bow and arrow collection; Commonwealth Department of Information for Egyptian specimens for use in a film.

Numismatics. (F. D. McCarthy in charge; G. C. Heyde, Honorary Numismatist.)

Mr. Heyde continued his work on the re-classification of Australian tokens in preparation of a catalogue of this series. He also rendered valuable assistance in dealing with the many requests for information about coins.

Accessions totalled 34, and included a complete series of King George VI coronation coins bequeathed by the late Dr. D. Batey. Notification was received that the late Dr. C. Gordon MacLeod had bequeathed to the Museum his collection of coins, which includes an extensive series of gold coins, and when received will probably be the most important single acquisition added to the Numismatic collection.

Department of Preparation. (J. Kingseley, Preparator-in-charge; W. Barnes and G. Birssed, Assistant Preparators.)

During the year 56 mammal skins and 65 bird skins were prepared, 56 birds mounted, 1 fish skeleton prepared, 54 skulls prepared, 120 mounts and 62 casts prepared, and 5 fish casts and 1 model coloured. Photographic work included preparation of 1,451 prints and 366 lantern slides, mounting 381 prints, and processing of thirty-seven 35-mm. films. Miscellaneous work included preparation of labels, bleaching of coral specimens and giving attention to the accumulation of process blocks. An exhibit from the West Mailand Museum, comprising 107 birds and 2 mammals, was repaired and redesigned. The background structure for the Black Cockatoo group was completed, and accessory material and birds were collected on a field trip to the Upper Allyn River. The New Guinea Ravi group was completely overhauled and renovated.

During the year Mr. R. Gaven, Cadet Preparator, resigned, and Messrs. J. Beebee and N. Camps were appointed as Cadet Preparators.

Accessions for the year 1948-49 totalled:—

<table>
<thead>
<tr>
<th>Category</th>
<th>Number</th>
</tr>
</thead>
<tbody>
<tr>
<td>Vertebrata</td>
<td>1,195</td>
</tr>
<tr>
<td>Invertebrata</td>
<td>2,454</td>
</tr>
<tr>
<td>Geological</td>
<td>613</td>
</tr>
<tr>
<td>Ethnological</td>
<td>3,498</td>
</tr>
<tr>
<td>Miscellaneous</td>
<td>623</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td>8,263</td>
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Papers and articles published during the year totalled:—

<table>
<thead>
<tr>
<th>Category</th>
<th>Number</th>
</tr>
</thead>
<tbody>
<tr>
<td>Records of the Australian Museum</td>
<td>8</td>
</tr>
<tr>
<td>Australian Museum Magazine</td>
<td>22</td>
</tr>
<tr>
<td>Other Publications</td>
<td>2</td>
</tr>
</tbody>
</table>

The Common Seal of the Museum was hereunto affixed by Order of the Board this eleventh day of October, 1949.

H. B. MATTHEWS, President.

A. R. WALKOM, Director.
APPENDIX A.

Crown Trustee ............... H. R. Mathews, B.A.
Statutory ....................... His Honour the Chief Justice.
Appointed ....................... The Hon. the Colonial Secretary.
Elective .......................... The Hon. the Attorney-General.

The Hon. the Colonial Treasurer.
The Auditor-General.
The President of the Medical Board.
The Hon. the President of the Legislative Council.
The Crown Solicitor.
The Surveyor-General and Chief Surveyor.
The Hon. the Minister for Works.
The Hon. the Minister for Education.

Professor A. N. St. G. Burkitt, M.B., B.Sc.
Professor W. J. Dakin, D.Sc.
Frank B. Spencer, O. G. Vickery, E.E., M.I.E. (Aust.),
Wallace C. Wurth, C.M.G., LL.B.
Professor A. P. Elkin, M.A., Ph.D.
F. McDowell.
R. J. Noble, M.Sc., B.Sc.Ag., Ph.D.
E. J. Kenne, M.Aust.I.M.M.
F. L. S. Bell, M.A., F.R.A.I.
Frank W. Hill.

APPENDIX B.
THE AUSTRALIAN MUSEUM.

Summarised Statement of Receipts and Payments for the Year ended 30th June, 1949.

<table>
<thead>
<tr>
<th>Receipts</th>
<th>£</th>
<th>s.</th>
<th>d.</th>
</tr>
</thead>
<tbody>
<tr>
<td>To Treasury Appropriations</td>
<td>26,452</td>
<td>0</td>
<td>0</td>
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</table>

<table>
<thead>
<tr>
<th>Payments</th>
<th>£</th>
<th>s.</th>
<th>d.</th>
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</thead>
<tbody>
<tr>
<td>By Salaries, etc.</td>
<td>21,616</td>
<td>4</td>
<td>5</td>
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<tr>
<td>Superannuation Contributions</td>
<td>2,996</td>
<td>12</td>
<td>5</td>
</tr>
<tr>
<td>Workers’ Compensation Insurance</td>
<td>94</td>
<td>3</td>
<td>7</td>
</tr>
<tr>
<td>Insurance on Departmental Property</td>
<td>290</td>
<td>18</td>
<td>4</td>
</tr>
<tr>
<td>Maintenance, Repairs, Alterations, etc.</td>
<td>68</td>
<td>14</td>
<td>0</td>
</tr>
<tr>
<td>Travelling Expenses</td>
<td>83</td>
<td>2</td>
<td>5</td>
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<tr>
<td>Freight, Cartage and Packing</td>
<td>89</td>
<td>19</td>
<td>5</td>
</tr>
<tr>
<td>Books, Periodicals and Papers</td>
<td>250</td>
<td>6</td>
<td>9</td>
</tr>
<tr>
<td>Fees, Commissions, etc.</td>
<td>52</td>
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<tr>
<td>Laundry Expenses</td>
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<tr>
<td>Postal, Telegraphic and Telephonic Service</td>
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<tr>
<td>Stores, Provisions, Minor Plant, etc.</td>
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<td>12</td>
<td>11</td>
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<tr>
<td>Sundries</td>
<td>15</td>
<td>13</td>
<td>2</td>
</tr>
<tr>
<td>Total</td>
<td>26,452</td>
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<td>0</td>
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<table>
<thead>
<tr>
<th>Trustees’ Account</th>
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<tbody>
<tr>
<td>To Statutory Endowment</td>
<td>1,000</td>
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<td>0</td>
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<tr>
<td>Proceeds of Sale of Commonwealth Inscribed Stock</td>
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<td>0</td>
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<tr>
<td>Vickery Bequest A/C</td>
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<td>7</td>
<td>8</td>
</tr>
<tr>
<td>Sales of Publications</td>
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<td>12</td>
<td>9</td>
</tr>
<tr>
<td>Donations</td>
<td>884</td>
<td>14</td>
<td>10</td>
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<tr>
<td>Interest</td>
<td>164</td>
<td>6</td>
<td>6</td>
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<tr>
<td>Miscellaneous Receipts</td>
<td>19</td>
<td>5</td>
<td>1</td>
</tr>
<tr>
<td>Total</td>
<td>3,098</td>
<td>6</td>
<td>10</td>
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</table>

<table>
<thead>
<tr>
<th>Balances as at 1st July, 1948</th>
<th>£</th>
<th>s.</th>
<th>d.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Cash at Bank and on Hand</td>
<td>511</td>
<td>16</td>
<td>9</td>
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<tr>
<td>Investments</td>
<td>5,412</td>
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<tr>
<td>Total</td>
<td>5,923</td>
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<td>3</td>
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<tr>
<td>Cash at Bank and on Hand</td>
<td>518</td>
<td>1</td>
<td>4</td>
</tr>
<tr>
<td>Investments</td>
<td>5,413</td>
<td>6</td>
<td>3</td>
</tr>
<tr>
<td>Total</td>
<td>5,931</td>
<td>7</td>
<td>7</td>
</tr>
<tr>
<td>Total</td>
<td>£38,474</td>
<td>5</td>
<td>1</td>
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