B. M.
General

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FIFTY-THIRD

ANNUAL REPORT

OF THE COMMITTEE

OF THE

FREE PUBLIC MUSEUMS

OF THE

CITY OF LIVERPOOL,

FOR THE YEAR ENDING 31ST DECEMBER, 1905.

(Reprint of the General Report and of the Museums' portion only of the Report of the Committee of the Free Public Library, Museums, and Walker Art Gallery).

LIVERPOOL:
C. TINLING AND CO., LTD., PRINTING CONTRACTORS, 53, VICTORIA STREET.

1906.

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MUSEUMS
SUB-COMMITTEE AND OFFICERS
for the Year 1905-1906.

THE RIGHT HONOURABLE JOSEPH BALL, LORD MAYOR.

Committee:

WILLIAM PERMEWAN, ESQ., M.D., CHAIRMAN.

PROFESSOR A. M. PATERSON, M.D., DEPUTY-CHAIRMAN.

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ARCHIBALD BATHGATE, ESQ.,
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ALD. M. HYSLOP MAXWELL, J.P.,
HENRY MILES, ESQ.,
ALDERMAN J. N. STOLTERFOHT,
COLONEL W. HALL WALKER, M.P.

Director of Museums:

HENRY O. FORBES, LL.D., F.R.G.S., M. ANTHROP. INST.,
Reader in Ethnography in the University of Liverpool.

LORD DERBY MUSEUM.

Assistant Curator:
JOSEPH A. CLUBB, M.Sc.

MAYER MUSEUM.

Assistant Curator:
P. ENTWISTLE.

Assistant in Botanical and Geological Departments:
WILLIAM S. LAVEROCK, M.A., B.Sc.

Chief Clerk:
W. COKERSOL.

GENERAL REPORT.

For sixteen years it has been my privilege to write the introduction to the Annual Report of the interesting group of institutions under our care. It has been very gratifying to record year after year their growing popularity, and the useful part played by them in the education of the people of Liverpool. On no previous occasion have I found any difficulty in describing our progress, but we have now arrived at a point when figures alone fail to convey any adequate idea of the public appreciation and enjoyment of our work. The books issued from our Libraries now exceed four times the population of the City, and if placed end to end would form a chain reaching from London to Edinburgh, while magazines and periodicals are in number double the population, and it is encouraging to be able to add that the proportion of books of educational value gradually increases. The issue of books of a wholly technical character exceeds a quarter of a million, a proof that many of our working people are seeking the means of improving themselves and enhancing the value of their labour. Music again figures largely in our issues, and our books on Art, Architecture and Design, in which our Library is very rich, have been in constant demand for reference.

Probably the most gratifying feature in our Library work has been the large use made by boys and girls of the Reading Rooms placed at their disposal. Our Chief Librarian justly says that "in number, in matter, illustrations and 'get up' it is essentially a golden age of books for our young people." This is just as it should be, and bodes well for the future. The habit of reading, to be of real use to the reader, must be acquired when young, and should be pursued with a definite purpose. Our Sub-Librarians have special instructions to assist our young readers in their choice of books, and as far as possible to check any tendency to desultory reading. We appeal to the Masters of our Elementary Schools to

help us in this good work. Who can tell the power for happiness and of advancement in life we are placing within the reach of the youth of our City. We are making them the citizens of all times, the denizens of every country; we are bringing them into contact with the wisest, the wittiest men of every age, with all that is beautiful and elevating in poetry and prose; and we are placing in their hands a taste for reading which will be to them at all times and under all circumstances a source of entertainment and pleasure. How many will shape their careers in life from their interest being awakened by works of science, art, or discovery, and how many will find new interests in life, new avenues of usefulness, and, let us hope, wider horizons of private and public opportunity and duty? All this is inspiring, and should form a complete answer to those who say that public money and private beneficence could be expended in a better way.

We have further extended our system of "open shelves," from which books can be taken and read without any written application. The books have been carefully selected, with a view to popularity of subject, and the few books we have lost proves, I think, that our readers gratefully appreciate the trust reposed in their honour.

We are under Parliamentary obligation to provide Libraries in Garston and Fazakerley, and the Walton Library is already too small for this neighbourhood. These matters are now engaging our attention.

We have made an advance towards bringing our Institutions into closer touch with the University. It has long been evident that in the interests of higher education this ought to be done, and we are glad to welcome a scheme for mutual co-operation which has already met with the approval of this Committee and the Senate of the University.

Our system of Free Lectures has been largely appreciated; 164 Lectures were delivered at 22 Centres, and the attendance was 89,195. The Lecture Sub-Committee have exercised care in selecting the subjects of the Lectures, to ensure that while they are entertaining and attractive they have a distinct educational value.

Museums.

Much progress has been made in the arrangement of the new galleries, and we hope to see them formally opened within the next few months. Great credit is due to Dr. Forbes, our Director, and his scientific staff for the very admirable manner in which our collections have been displayed, which is at once scientific and popular, and we hope that their unique and great teaching value will be appreciated by our educational authorities.

Intimate relations have been established between the University Institute of Commercial Research and the Museums which must be of advantage to our commerce and equally to our Museums.

The extension to our Aquarium has been completed, and has already been a great centre of attraction.

We have received a valuable contribution from the Egyptian Archæological Society, which is being supported by some of our leading Liverpool citizens, and, under the personal direction of Mr. Garstang, has conducted very successful explorations at Edfu, Kom el Ahmar, &c.

Art Galleries.

The last Autumn Exhibition of Pictures was most successful, alike in the quality and interest of the pictures exhibited, the excellence of the hanging, and the attendance of the public.

Our Permanent Galleries have been re-hung, and the opportunity has been taken to display the whole of our collection. This has not only aroused much public interest and given great satisfaction, but it has also intensified the general regret that our wall space is so limited that it is not possible to continue this display and at the same time to provide room for our Autumn Exhibition. We hope this condition of things may not long continue.

We invite perusal of the detailed reports of our Chief Librarian, Director of Museums, and the Curator of our Art Gallery. They give an account of quiet, steady, but most successful work but little

known outside these walls. The organisation required to deal with the multitudes who daily throng these buildings, to cater for their wants in every department, and to keep the Institutions always advancing and abreast of the times, must of necessity be not only very perfect but must be intelligent and progressive. There is no standing still in Literature, Science, or Art, and perhaps at no time has this unrest been so marked as at present, when the desire by the masses for self-improvement (so noticeable in America) seems to have been aroused in this country, and this, if properly directed and encouraged, must place this country in the forefront of intellectual activity and material progress.

As this is the last report I shall have the pleasure of writing, I may perhaps be pardoned if I take the opportunity of expressing my gratitude to my colleagues and to our officers for their great kindness and assistance. To have had the opportunity of taking part in the establishment of nine Branch Libraries, in the extension of our Museum Galleries, in laying the foundation for Technical Education in this City, and in linking in bonds of co-operation these Institutions with the University, has been a valued privilege; and it is a source of great satisfaction to feel that Liverpool, a pioneer in the Free Library and Art movement, still holds a foremost position, and is recognised as the centre of the most enlightened and intelligent activity in Library and Art matters.

WILLIAM B. FORWOOD,

CHAIRMAN.

THE MUSEUMS.

The Director of Museums furnishes the Fifty-third Annual Report upon the CONDUCT and PROGRESS of the Museums.

I.—GENERAL.

THE FREE PUBLIC MUSEUMS comprise:—

(A) the LORD DERBY MUSEUM, of which the nucleus was the collections bequeathed in 1851 to the City, by the Thirteenth Earl of Derby. It contains both the *Local Area* and the *Systematic* Zoological, Geological, Mineralogical, and Botanical Departments, and in addition an *Aquarium*, containing both Fresh and Salt Water Animals, Amphibians and Reptiles.

(B) the MAYER MUSEUM, the larger part of which was collected and presented to the Corporation in 1867, by Joseph Mayer, Esq., F.S.A. These collections are specially rich in (*a*) *Egyptian, Babylonian, and Assyrian Antiquities;* (*b*) *Mediæval European Ivories, Bronzes and Illuminated Manuscripts;* (*c*) the unrivalled *Brian-Faussett Anglo-Saxon Collection;* (*d*) the *Mather Miniatures; and* (*e*) the very important *Pottery Collections*, conspicuously rich in Wedgwood and Old Liverpool Wares, arranged now in the section devoted to the handiwork of the *Caucasian* race. Associated with this Museum, as belonging to the subjects illustrated by it, though not forming to any large extent part of the Mayer Bequest, are (*f*) the collections illustrating the ethnography of the *Mongolian* and *Melanian* races.

The building, in which these collections are housed, was erected at the cost of the late Sir William Brown, in October, 1860.

The Exhibition Galleries are open free to the public, as under:—

During January, November, and December ..	from	10	to 4
„ February	„	10	to 4-30
„ March and October	„	10	to 5
„ April to September	„	10	to 6
Also on Monday *Evenings* during January to March, and October to December ...	„	7	to 10

The Museums are closed on Sundays and Fridays (except the Fridays of Whit-, Easter- and Christmas Weeks) throughout the year, as well as on Christmas Day, and days of Public Fast and Thanksgiving.

The Museums were represented by the Deputy-Chairman at the International Ornithological Congress in London during June. Owing to illness the Director of Museums was unable to attend.

Since 1896, a period of ten years, 60,373 specimens of Natural History and 9,421 specimens of Ethnography, totalling close upon 69,794 specimens, have been added to the collection, or on an average close upon 7,000 additions per year.

A Guide to the Egyptian Gallery, containing a short account of the specimens, their relation to the history of the dynasty to which they belong and to contemporary specimens exhibited elsewhere, by the Director, will shortly be issued, as well as a short General Guide to the Museums, by the Assistant Curator of the Lord Derby Museum.

Dr. Philip Nelson and Mr. Samuel Smith, Junr., who have generously continued their services in the preparation of a Catalogue of the Coin Collection in the Museum, are far advanced with their work, and their volume is already, in great part, in type.

During the year cordial relations have been established between the University Institute of Commercial Research in the Tropics and the Museums, whereby, in return for the use of laboratory accommodation in the Museums, the services of Dr. Drabble and Mr. Newstead, A.L.S., have been secured, of which the main terms are indicated in the following Resolutions accepted by the Committees of both Institutions:—

> *The Committee* having considered the proposals submitted by *the University Institute of Commercial Research in the Tropics, Resolved—*
>
> (1) To offer to the Institute the accommodation in the Museums for an Economic Entomologist and an Economic Botanist, whose salaries are to be chargeable to the Institute.

This accommodation to be, for the former, adequate working space; and for the latter two laboratory tables; also the use of the Departmental Library with book shelves, and of the Museum Lecture Hall, when these are not otherwise engaged.

(2) The Committee accepts the services of Dr. Drabble and Mr. Newstead for the carrying out of any research work or investigations which to the Museums Sub-Committee might seem desirable in the Botanical and Entomological Departments under the control and supervision of the Director of Museums.

(3) The Committee agrees to accept and house or exhibit the collections (when suitable) which the Institute is forming on loan, for so long as this Agreement lasts, subject to a provision that the Institute should have the right to give temporary exhibitions of particular collections of economical or commercial interest from time to time elsewhere.

(4) All permanent fixtures and fittings in the laboratories to be provided or erected at the Museum's expense, and all reagents and movable laboratory requisites and materials to be provided by the Institute of Commercial Research.

(5) The arrangement to last three years, subject to six months' notice on either side.

II.—Visitors.

During the year there has been some slight decrease in the total number of visitors to the Museums, but compared with that of the previous year the daily average has been well maintained, as shown by the following table.

	1904. (263 Days.)	1905. (262 Days.)
Total Visitors	482,910	481,746
Weekly Average	9,286	9,264
Daily Average	1,836	1,838

The attendance of school children under the charge of teachers has considerably increased, over 2,000 children and 120 teachers having availed themselves of the clause in the Education Code, whereby

time devoted to instruction in Museums reckons as school attendance. School teachers are making increased use of the Museum theatre to give special lessons to their pupils—specimens being brought from the Museum cases for illustrating them. Such a course is found to be of greater educational value than merely a general visit with no specific object. Occasional lectures and demonstrations have been given by members of the Staff, on arrangement having previously been made by the teachers with the Director.

In compliance with a request from the Director of the Pupil Teachers' Training College in Clarence Street, the Director of Museums arranged to provide a series of elementary lectures on Natural History to his students. Courses of lectures were accordingly delivered on Friday afternoons during the year. The first course to senior students only was given prior to the summer vacation by the Director on the main characters distinguishing the great groups of the Vertebrates. The second course, given to both the senior and the junior pupils, was taken by the Assistant Curator of the Lord Derby Museum (J. A. Clubb, M.Sc.) on the main phyla of the Invertebrate animals, and delivered in the terms between Midsummer and Christmas. The conjoint course provided a short elementary survey of the animal kingdom. The average attendance was 225.

Persons desirous of employing the Museums for the purpose of research, reference or sketching may, by application to the Director, and on giving satisfactory references, obtain tickets enabling them to enter on Fridays, when special facilities are afforded to students. Tickets were issued, as usual, during the year (chiefly) to Artists, of whom a much larger number than heretofore have availed themselves of the advantages the Museum collections afford, and to Students of Natural History, Osteology and Dental Anatomy, who have made extensive use of the collections, mainly on the days when the Museums were closed to the public. This privilege was made use of by students on upwards of 700 different occasions during the

year. The pupils studying at the Mount Street School of Art attend in a body, regularly once a week.

The following, among others, have visited the Museums during the year for the purpose of inspecting the collections or other special object:—Mr. John A. Macdonald; Mr. E. W. Heaton; Mr. Edward Bidwell, London; Mr. Farrar; Mr. P. M. C. Kermode, Isle of Man; Mr. J. H. Fleming, Toronto; Dr. Jonathan Dwight, Jr., United States; Professor A. G. Nathorst, Stockholm; Axel Anderberg, Stockholm; Professor Macallum, F.R.S., Toronto; Mr. R. T. Jackson, Cambridge, Mass., U.S.A.; Mr. J. Garstang; Dr. Schmidt, Copenhagen; Dr. W. B. Hinsdale, Michigan, U.S.A.; Mrs. Stanley Flower, Cairo; Captain Mayes; Dr. H. C. Bumpus, Director U.S. Natural History Museum; Mr. Horace Walker, Liverpool; The Lady Amherst of Hackney; Lieut.-Col. Echalaz; Dr. Dobbie, Director, Royal Scottish Museum; Dr. Steinhaus, Naturhistorischen Museum, Hamburg; Lord Mountmorres; Dr. W. J. Holland, Director, Carnegie Museum, Pittsburg, U.S.A.; Mr. Vallance and Walter Clark, Royal Scottish Museum; Mr. Theophilus G. Pinches, LL.D., London; Professor Mackay; Mr. W. S. Bruce, Scottish National Antarctic Expedition, Edinburgh; Mr. Randall McIver; Mr. Seymour de Ricca, Paris; Dr. S. J. Sidebothom and Dr. J. Thorpe, Manchester; Mr. F. Falkner; Mr. Percy L. Adams and Mr. W. Bemrose.

III.—Lectures.

Twenty-two lectures were delivered by members of the Staff on Monday evenings, in the Lecture Theatre of the Museums. They were illustrated by specimens from the Museums and by lantern slides. The total attendance at the lectures was 5,318, average per evening 241.

The following is a list of the subjects:—

A course of three Lectures on "The Races of Mankind" was given on January 9th, 23rd, and 30th, by Dr. H. O. Forbes, Director of Museums.

A course of three Lectures on "Natural History Rambles" was given by Mr. W. S. Laverock, M.A., B.Sc., Assistant in the Lord Derby Museum:—

Feb. 6th and 13th—"In a Country Lane in February."

Feb. 20th—"On the Sea-shore in February."

A course of four Lectures on "The Natural History of Man and Apes" was given, on February 27th, March 6th, 13th and 20th, by Mr. Joseph A. Clubb, M.Sc., Assistant Curator of the Lord Derby Museum.

On March 27th a Lecture on "The Natural History of the East Indian Islands" was given by Dr. H. O. Forbes, Director of Museums.

A course of four Lectures on "Native Tribes of Africa: Their Manners and Customs" was given by Mr. P. Entwistle, Assistant Curator of the Mayer Museum:—

Oct. 9th—"The Negroes of the Nile."

,, 16th—"The Guinea Coast Negroes."

,, 23rd—"The Masai and the Kaffirs."

,, 30th—"The Pigmies."

A series of four Lectures by Dr. Philip Nelson, as follows:—

Nov. 6th—"Some interesting English Gold Coins."

,, 13th—"Romano-British Coins."

,, 20th—"Military Awards of the British Army."

,, 27th—"Coins of the Isle of Man."

Two Lectures were given by Mr. J. Garstang, M.A., B.Litt., on "Ancient Egypt":—

Dec. 4th—"The Story of Egypt in Outline."

,, 11th—"Recent Discoveries in the Early Egyptian Tombs."

On December 18th a Lecture on "The Pouched Mammals of Australia" was given by Mr. Joseph A. Clubb, M.Sc., Assistant Curator of the Lord Derby Museum.

A. LORD DERBY MUSEUM.

Zoological Department.

(*a*) General.

Several dredging excursions have been undertaken during the year to the estuary of the Mersey and the Irish Sea, for the purpose of obtaining specimens for the Local Collection of Marine Fauna. Through the kindness of the Sanitary Sub-Committee, the City Engineer's Department gave permission for the Director to occasionally place members of the staff on board the "Beta," when on its periodic visits to the "Deposit Grounds," near the North-West Lightship. This vessel has been utilised also for the purpose of bringing fresh seawater from beyond the North-West Lightship for supplying the Aquarium. The thanks of the Committee are due to Captain Griffiths for his most willing help and courtesy during the trips on which the officers have accompanied him, and also for so frequently bringing in objects of interest to the Museum which have fallen in his way on other occasions.

Several of the unique specimens of birds in the Museum were, with the consent of the Committee, exhibited at the International Ornithological Congress in London. Of these one was a specimen of Emeu from Australia long suspected by the Director to belong to an extinct species known as *Dromæus ater*. He was, therefore, glad of the opportunity of submitting the specimen to the assembled ornithologists of the world, and to have his identification of the species confirmed. The Liverpool specimen, with one in the Natural History Museum in Paris, are, therefore, the only existing skins of this species of Emeu. A skeleton in Florence is the only other remains of the bird known.

The Science Cabinets, containing properly identified and labelled specimens, on selected subjects, have been distributed to the various Elementary Schools in the City as in former years; applications have also become more numerous for specimens for object lessons (mainly Natural History), and for the series of Technical Appliances on loan from the Museums. The increase in the applications for Museum specimens has necessitated considerable additions to the

loan collections. This educational feature, which has for its purpose the promotion of scientific teaching throughout the City, is being more and more appreciated. Numerous applications, as reported in previous reports, continue to be made to the Director by educational authorities, not only in England, but in America and Australia for information as to the working of the system.

In response to a suggestion made by Alderman W. B. Bowring, Chairman of the Special Committee for the Calderstones Estate, that the cases in the Entrance Hall of the house in the Calderstones Park might be utilised for the exhibition of duplicate specimens in the Museum, a collection of birds was formed, having for its object the exhibition of species which occur or are likely to be found frequenting the surrounding park. This was placed in position in August, and it should prove of assistance to visitors in identifying the birds they may observe in their visits to this beautiful recreation ground.

In the Local Area Gallery, substantial progress has been made during the past year, with its re-arrangement and in the mounting of specimens of the Local Fauna. The following bird-groups have been added to the exhibited series during the year:—The Sheldrake, Tern, Moor-hen, Teal, Merganser, Long-eared Owl, Eider Duck, Puffin, Grey Lag Goose, Plover and Dunlin, Kingfisher and Sand Martin, Game, Grouse, Sandpiper and Redshank, Black-throated Diver, Red-throated Diver, Wagtail and Dipper, Heron, Mallard, Shag or Green Cormorant, Grebe and Water-Rail, and Coot and three cases containing specimens of Birds, which occur or have been recorded from, but do not breed in the Local Area. The cases containing the Pheasant, Partridge, and Black Game have specially attracted the attention of visitors. The collection of British Birds' Eggs arranged and placed in the open gallery, in a cabinet with glazed and "stopped" drawers, so as to be easily and conveniently consulted by visitors at all times, without application to the Staff, has been largely consulted during the year, especially by those studying and collecting Birds' Eggs.

The preparation of satisfactory examples of the local fishes, reptiles and amphibians, and the suitable mounting of them for

exhibition in fluid or as dry preparations, have continued during the year. Dredging excursions to obtain fresh specimens of fishes with other much-desired marine forms, their preservation and fixing, or the casting of those fishes too large to place in jars, in plaster or *papier-mache*, with the necessary careful painting of the same, have occupied much of the time of the Assistant Curator, his Laboratory Assistant and the Taxidermist during this as during last year, and several cases of fishes have now been placed on exhibition.

In the Upper Gallery, where the systematic collections are arranged, additions have been made from time to time to the Mammals. The general labelling of the cases and of their contents has also been proceeded with as rapidly as it could be undertaken by the printer. During the year continued progress has been made in placing on exhibition cases to illustrate the classification of the Fishes. Many casts have been prepared; and a large number of the better stuffed specimens have been re-prepared and coloured; but as previously remarked it will be a considerable time before a really good collection, properly preserved and mounted for exhibition, can be accumulated.

In the re-arrangement of the Invertebrata the mollusca are now completed and displayed in the desk cases in which they were formerly exhibited, although not so suitable as cases of a more erect form, which would occupy less floor space. The plan adopted in the Vertebrate groups has been followed in the arrangement of the mollusca. Examples of the main genera of each of the families have alone been placed on view, so that the classification of the group may be more easily grasped by the student without his being overburdened by a plethora of species. The bulk of the collection—one of the most complete in England—has been relegated to a study series, meantime arranged in drawers beneath the exhibited series, but which will, the Director hopes, in due course be arranged in glass-covered, "stopped" drawers, so as to be always accessible to the specialist, without loss of time to him and without the necessity of intruding upon the time and services of an assistant.

A large collection, consisting of several thousand thin sections of timbers for microscopic purposes and micro-photographs of the same,

together with an important collection of timber samples, has been acquired partly by gift and partly by purchase from Mr. James A. Weale and others.

In the carpenters' shops, in addition to the ordinary repairs and fittings, twenty-three exhibition cases have been made—twenty to accommodate British Bird groups with natural surroundings and one for British Fishes for the Local Area collection, and two cases for African Ethnology in the Mayer Basement. A very large number of stands, for specimens and other fittings, have also been constructed.

(*b*) Conservation.

All the collections on exhibition have so far as pressure on the staff has permitted been periodically examined, dusted and kept free from moth or other pest. The store cabinets and tanks, containing specimens preserved both in fluid and dry preparations, have also been systematically gone over for the purpose of renewing the spirit or other preservative.

Two taxidermists have continued during part of the year the very urgent work of reducing to flat skins (for placing in the study cabinets and for their proper conservation) the vast number of specimens, both of mammals and of birds remaining over after the representative generic series had been selected for exhibition. The mammals have now been completed, but several thousands of bird specimens still remain awaiting their turn. The work has proceeded so far that one of the two galleries which it is necessary now to use as storerooms for them, will soon be available for re-arrangement.

(*c*) Loans.

The following loans of Museum specimens for purposes of scientific investigation were made during the year:—

The specimen of Black Emeu (*Dromæus ater*) and the unique example of *Necropsar leguati* (Forbes) were lent to the Hon. Walter Rothschild, M.P., for exhibition at the International Ornithological Congress in London in June.

23 specimens of *Parus*, two specimens of *Halcyon tristrami*, ♂ and ♀ (types), specimens of *Ara tricolor*, *Turacus schuetti*, *Myrmeciza exsul*, *Dysithamnus olivaceus*, *Lanius poliocephalus*, were lent to Dr. E. Hartert, Zoological Museum, Tring, Herts.

Specimen of Dipper, *Cinclus aquaticus* var. *minor* ♀ (type), lent to Mr. H. E. Dresser.

Eleven specimens of Fossils from the coal measures, Ravenhead, lent to Mr. R Kidston, Stirling, Scotland.

Several Lantern Slides for lecture purposes, lent to Mr. Taylor, Elgin Museum, N.B.

(*d*) Presents.

Among the donations with which the Museum collections have been enriched, the following deserve special mention:—

A collection of Land, Freshwater and Marine Shells, chiefly British, presented by Mr. T. McLellan, Herschell Street, Liverpool.

A collection containing Insects, Shells and Lizards, from Uganda, East Africa, collected and presented by Dr. C. Christy, of the Sleeping Sickness Commission.

A small collection of Fossil Shells from the Wealden of the Isle of Wight, presented by Colonel L. Worthington Wilmer, O.M., Lothian House, Ryde, I.O.W.

Collection of samples of Timber and other specimens pertaining thereto, presented by Mr. James A. Weale, Boundary Place, Liverpool.

(*e*) Acquisitions.

INVERTEBRATES—

Protozoa.

Micro-preparations of *Polycystina* and Infusorial Earth (D. 22. 5. 05. 18 and 19); presented by Mr. James A. Weale, Boundary Place, Liverpool.

Porifera.

Micro-preparations of spicules of Sponge (D. 22. 5. 05. 8 and 9); presented by Mr. James A. Weale, Boundary Place, Liverpool.

Cœlenterata.

Three Sea Anemones (*Actinea equina*) (D. 19. 3. 05. 6), from Kingston Bay, S.W. Ireland; collected and presented by Mr. J. J. Ramsay, 7, Hawksworth Street, Anfield, Liverpool.

Micro-preparations of spicules of *Gorgonia umbraculum*, *G. elongata*, *G. reticulata*, *Melithea ochracea* and *M. elongata* (D. 22. 5. 05. 5, 6, 7, 16, 17); presented by Mr. James A. Weale, Boundary Place, Liverpool.

Two Jelly-fishes (*Chrysaora isosceles*) (D. 11. 7. 05. 1). Colonies of Zoophytes (*Sertularella polyzonias* and *Antennularia ramosa* (D. 21. 10. 05. 3 and 4), from the estuary of the Mersey; collected by the Assistant Curator and the Laboratory Assistant.

Echinoderma.

Two Star-fishes (*indet.*) (D. 19. 3. 05. 5), from Kingston Bay, S.W. Ireland; collected and presented by Mr. J. J. Ramsay, 7, Hawksworth Street, Anfield, Liverpool.

Micro-preparation of spicules of *Synapta sp.* (D. 22. 5. 05. 15); presented by Mr. James A. Weale, Boundary Place, Liverpool.

Vermes.

One Sea Mouse (*Aphrodite aculeata*) (D. 23. 12. 05. 1); presented by Mr. J. Clegg, St. John's Fish Market.

Portions and fragments of Mud Tubes (*indet.*) (D. 24. 12. 05. 1), from Uganda, Africa; collected and presented by Dr. C. Christy.

Brachiopoda.

Fossil Brachiopods containing *Rhynchonella parvirostris*, *Terebratula sella* and *Waldheimia exaltata* (D. 23. 11. 05. 3, 4 and 7), from the Wealden of the Isle of Wight; presented by Col. L. Worthington Wilmer, O.M., Lothian House, Ryde, Isle of Wight.

Arthropoda.

Crustacea.

Two Edible Crabs (*Cancer pagurus*) (D. 10. 6. 05. 1), from the estuary of the Mersey; collected and presented by Captain Griffiths, s.s. "Beta.

One Slender Spider Crab (*Stenorhynchus tenuirostris*), (D. 11. 7. 05-4), two shrimps (*Crangon vulgaris* and *Cheraphilus trispinosus*), (D. 21. 10. 05. 1 and 2), from the estuary of the Mersey; collected by the Assistant Curator of the Derby Museum and the Laboratory Assistant.

Crab (*indet.*) (D. 24. 12. 05. 2), from Uganda, Africa; collected and presented by Dr. C. Christy.

Tracheata.

Three Beetles (*indet.*) (D. 18. 3. 05. 1 and 2), from Victoria, Cameroons and Winnebah, Gold Coast, West Africa; presented by Mr. F. Boydell, 3, Queen Street, Leigh, Lancashire.

Two Ants, two Larvæ, nine Beetles (D. 22. 4. 05. 1-4, et seq.), one Beetle (D. 12. 8. 05. 1), and a Centipede (D. 30. 12. 05. 1) (*indet.*), from amongst timber at the docks; collected and presented by Mr. W. Swan, 10, Viola Street, Bootle.

Micro-preparations of spiracles of *Dytiscus*, pylorus of *Dytiscus*, tongue of Wasp, wing of Dragon Fly, wing and parts of a Neuropterous insect, scales of *Ourapteryx machaonaus*, scales of Butterfly and scales of *Gyphus germacei* (D. 22. 5. 05. 2, 3, 4, 10, 11 12, 13 and 14); presented by Mr. James A. Weale, Boundary Place, Liverpool.

One Millepede, seven Ants, three Beetles, and three Orthopterous Insects (D. 9. 6. 05. 1-6 and 8), from South of Bloemfontein, Orange Colony, and one Scorpion (D. 9. 6. 05. 7) (*indet.*), from Pretoria, Transvaal Colony, South Africa; presented by Dr. Emrys Roberts.

Poplar Hawk Moth (*Smerinthus populi*) (D. 30. 6. 05. 1), from Penmaenmawr, North Wales; presented by Mr. D. Jones, Bryn Gwynedd, Conway Road, Penmaenmawr.

Complete Formicarium (D. 1. 7. 05. 1); purchased for Aquarium.

Moth and two Cocoons of *Attacus cynthia* and a moth (*Samia cecropia*) (D. 5. 7. 05. 1-4), from Fontainebleau, Paris; presented by Mr. F. Hoyer, 19, Harlech Road, Blundellsands.

Two Atlas Moths and Cocoon (*Attacus atlas*), from Singapore, two nests of Insect and four Butterflies (D. 8. 8. 05. 1-3, and D. 25. 8. 05. 1-5) (*indet.*); presented by Dr. H. P. Elliott, 68, Bebington Road, Higher Tranmere.

Larva of Moth (*indet.*) (D. 9. 8. 05. 1), from Rhyl, North Wales; presented by Mr. T. Jones, Russell House, Rhyl.

Small collection of Beetles and three Insects' Nests, from Brazil (D. 7. 10. 05. 1, and D. 8. 10. 05. 1 and 2) (*indet*); presented by Mr. R. H. Mardock, 5, Durning Road, Liverpool.

Centipede (*indet.*) (D. 15. 11. 05. 1), from Brass, West Coast of Africa; presented by R. Sewell, Esq., per Mr. A. Ridyard.

Three Beetles (*indet.*) (D. 20. 11. 05. 1), from Accra, West Coast of Africa; presented by Mr. J. W. Falkner, 9, Dove Road, Moss Lane, Aintree.

Centipede (*indet.*) (D. 19. 12. 05. 1), from Pernambuco, Brazil, S. America; presented by Mr. Moore, 15, Moses Street, Dingle, Liverpool.

Longicorn Beetle (D. 22. 12. 05. 1), from Turkey; collected and presented by Mr. Hugh Macdermott, Hornby Street, Liverpool.

Small collection of about 70 specimens of Coleoptera, Hymenoptera, Hemiptera, Orthoptera, Myriapoda and Arachnida, and about 50 larvæ of Lepidoptera (D. 24. 12. 05. 4-6) (*indet.*), from Uganda, Africa; collected and presented by Dr. C. Christy.

Small collection of 158 specimens of British Lepidoptera, representing 20 genera and 30 species (D. 31. 12. 05. 1-32); purchased.

Mollusca.

Five Shells (two *Trochus zizyphinus*, one *Trochus sp.* and two *Littorina sp.*) (D. 19. 3. 05. 1-4), from Kingston Bay, S.W. Ireland; collected and presented by Mr. J. J. Ramsay, 7, Hawksworth Street, Anfield, Liverpool.

Micro-preparation of palate of *Helix aspersa* (D. 22. 5. 05. 1); presented by Mr. James A. Weale, Boundary Place, Liverpool.

Cuttlefish (*Sepiola atlantica*) and mass of Cuttlefish Spawn (D. 11. 7. 05. 2 and 3), from the estuary of the Mersey; collected by the Assistant Curator and the Laboratory Assistant.

Sea Slug (*Doris tuberculata*) (D. 30. 9. 05. 1), from Llandudno; presented by Dr. J. H. O'Connell, 2, Dudley Road, Sefton Park, Liverpool.

Two Pearl Oyster Shells (*indet.*) (D. 9. 10. 05. 1), from the pearling grounds, West Coast of Australia; presented by Captain G. D. Keay, 35, Moss Lane, Aintree.

Collection of Land, Freshwater and Marine Shells, chiefly British, representing upwards of 28 genera and 48 species (D. 22. 11. 05. 1, &c.); presented by Mr. T. McLellan, Herschell Street, Robson Street, Liverpool.

Small collection of Fossil Shells, representing amongst other species, *Turritella sulcifera, Cardita planicosus, Venus parva, Thetis minor, Panopaea plicata, Pecten interstriatus, Modiola æqualis. Arca raulini, Gerrilia anceps, Trigonia caudata Arca perna mulleti, Astarte oblonga, Cypridea sp.* (D. 23. 11. 05. 1 etc.), from the Wealden of the Isle of Wight; presented by Colonel L. Worthington Wilmer, O.M., Lothian House, Ryde, I.O.W.

Snail, and about 126 Bivalves, Univalves and odd Shells, and tube containing small Shells (D. 24. 12. 05. 3-11) (*indet.*), from Uganda, Africa; collected and presented by Dr. C. Christy.

VERTEBRATES—

Fishes.

Eagle Ray (*Myliobatis aquila*) (C. 26. 1. 05. 1), from W.N.W. of Arcahon, Bay of Biscay, collected by Captain Brett, Steam Trawler "Mabel," and Monk Fish (*Rhina squatina*) (C. 31. 1. 05. 1), from the Irish Sea, collected by Captain E. Bullock, Steam Trawler "Magnus": presented by Messrs. Harley & Miller, Wholesale Fish Market, Liverpool.

Lump Fish (*Cyclopterus lumpus*) (C. 1. 2. 05. 1), from Carnarvon Bay; purchased.

Cast of Roach (*Leuciscus rutilus*) (C. 20. 2. 05. 1), made from a specimen collected at Addersley, Shropshire, by Mr. G. Mawson, and lent by him.

Lump Fish (*Cyclopterus lumpus*) (C. 24. 4. 05. 1), from the Collingwood Dock, Liverpool; purchased.

Seahorse (*Hippocampus sp.*) (C. 2. 5. 05. 1), from Cape Palmas, Liberia; presented by the Rev. S. D. Ferguson, Jun., per Mr. A. Ridyard.

Cast of Lump Fish (*Cyclopterus lumpus*) ♂ (C. 17. 5. 05. 1), made from a specimen collected at Hilbre Island, and lent by Mr. S. Waller, 349, Scotland Road, Liverpool.

Tarpon (*Megalops atlanticus*) (C. 24. 5. 05. 1), from the Panuco River, Mexico; collected by Mr. H. W. Wilson, and presented by the Leyland Steamship Co., James Street, Liverpool.

Cast of Mackerel (*Scomber scomber*) (C. 26. 5. 05. 1); an old cast found without registered number is now referred to this date.

1000 Trout Ova (*Salmo levenensis*) (C. 27. 5. 05. 1), for hatching purposes in Aquarium; purchased.

Two rostra of Saw Fish (*sp. indet.*) (C. 2. 9. 05. 1), from Lagos, W. Africa; collected and presented by Mr. R. H. Mardock, 5, Durning Road, Liverpool.

Fifteen spined Stickleback (*Gastrosteus spinachia*) (C. 11. 11. 05. 1), from the Great Float, Birkenhead; collected and presented by Mr. Fothergill, City Angling Association.

Skate (*Raia batis*) (C. 21. 11. 05. 1), from the estuary of the Mersey; collected with other marine material by the Assistant Curator and Laboratory Assistant.

Fossilized Tooth of Shark (*indet.*) (C. 22. 11. 05. 1), from the bed of the Coosan River, U.S.A.; presented by Captain Buckingham, 25, Cecil Road, Seaforth, per Mr. J. H. Clenhall.

Two "Miller's Thumbs" (*Cottus gobio*) (C. 27. 11. 05. 1), from the River Alyn, North Wales; collected and presented by Mr. Exe, 111, Dale Street, Liverpool.

Seahorse (*Hippocampus sp.*) (C. 19. 12. 05. 1), from Pernambuco, Brazil; presented by Mr. Moore, 15, Moses Street, Dingle, Liverpool.

Amphibia.

Plaster Cast of Cheirotheroid Footprints, from Storeton, Runcorn, Daresbury and Oxton Heath (C. 26. 6. 05. 1); presented by the Trias Committee of the British Association.

Reptiles.

Gecko (*Tarentola delalandii*) (B. 16. 1. 05. 1), from the Canary Islands; presented by Miss Hammill, 3, Queen's Square, Liverpool.

Python (*Python sebæ*) (B. 18. 2. 05. 1), from West Africa; presented by Mr. Geo. Wright, 43, Park Road, Liverpool.

Gecko (*Tarentola annularis* Geoff.) (B. 15. 5. 05. 1); presented by Mr. E. Lees, 67, St. Paul's Road, Rock Ferry.

Snake (*indet.*) (B. 9. 6. 05. 1), from south of Bloemfontein, Orange River Colony, South Africa; presented by Dr. Emrys Roberts,

Cast of Chelonoid and Rhynchosauroid Footprints (B. 26. 6. 05. 1), from Storeton, Cheshire; presented by the Trias Committee of the British Association.

Skin and bones of Crocodile (*Mecistops cataphractus*) (B. 29. 6. 05. 1), from the Gold Coast, West Africa; presented by H.E. Sir John Rodger, K.C.M.G.

Fossil Chelonian (*Pleurosternum bullocki*) (B. 30. 6. 05. 1), from the Purbeck Beds near Swanage, Dorset; purchased.

Ringed Snake (*Tropidonotus natrix*) (B. 5. 7. 05. 1), from Hoylake; collected and presented by Miss B. Phillips, 33, Rodney Street, Liverpool.

Python (*Python sebæ*) (B. 4. 8. 05. 2), from Brass, S. Nigeria, W. Africa; presented by Mr. A. Ridyard, Chief Engineer, s.s. "Addah."

Ringed Snake (*Tropidonotus natrix*) (B. 16. 8. 05. 1), from Surrey; collected and presented by Mr. J. G. Stocker, 12, Upper Beau Street.

Three Limbless Lizards (*Amphisbæna fuliginosa*) (B. 2. 9. 05. 1), from Manaos, North Brazil; collected and presented by Mr. R. H. Mardock, 5, Durning Road, Liverpool.

Skink (*Chalcides ocellatus*) (B. 26. 10. 05. 1), from Palestine; presented by Mr. T. Parry, 14, Rockwood Street, West Derby Road, Liverpool.

Lizard (*Lacerta sp.*) (B. 7. 11. 05. 1), probably from Africa; purchased.

Young Crocodile and Skin of Alligator (B. 15. 11. 05. 1 and 4), from Brass, S. Nigeria, W. Africa; presented by W. T. Collings, Esq., Brass Trading Co.; Snake (B. 15. 11. 05. 2), from Brass, West Africa; presented by R. J. Sewell, Esq., Oil Rivers Trading Co., S. Nigeria; and Snake (*indet.*) (B. 15. 11. 05. 3), from Jellah Coffee, Kwitta, West Africa; presented by Mr. John Koblavie, Kwitta, per Mr. A. Ridyard.

Lizard (*Agama colonorum*) (B. 14. 12. 05. 1), from Africa; presented by Mrs. Hood, 51, Crown Street, Liverpool.

Two American Fresh-water Turtles (*Hydraspis hilarii*) (B. 22. 12. 05. 1), from the River Plate, South America; presented by S. J. Hollis, Esq., Chief Officer s.s. "Kirkoswold," Bellamy's Wharf, Rotherhithe, London.

Four Snakes (*indet.*) (B. 29. 12. 05. 1), from Pernambuco, Brazil; presented by Mr. Moore, 15, Moses Street, Liverpool.

Eight Chamæleons (*Rhampholeon kerstenii, Chamæleon senegalensis, Ch. bitæniatus*), four Lizards (*Agama cyanogaster*), one Skink, two Snakes, three Blind Worms, and twelve Reptilian Eggs (*indet.*) (B. 24. 12. 05. 1-6), from Uganda, Africa; presented by Dr. C. Christy.

Birds.

One Long-eared Owl (*Asio otus*) (B. 14. 4. 05. 1), one Sparrow Hawk (*Accipiter nisus*) (B. 15. 4. 05. 1), three Buzzards (*Buteo vulgaris*) ♀ ♀, ♂ (B. 25. 10. 05. 1 and B. 25. 4. 05. 1), and a great Black-backed Gull (*Larus marinus*) (B. 25. 10. 05. 1); presented by Geo. Dickinson, Esq., 10, Water Street, Liverpool.

Two Shoveller Ducks (*Spatula clypeata*) ♂, ♀ (B. 21. 4. 05. 1); purchased.

Water Rail (*Rallus aquaticus*) ♀ (B. 22. 4. 05. 1), from Kilkenny; presented by Dr. J. H. O'Connell, 2, Dudley Road, Sefton Park.

Water Rail (*Rallus aquaticus*) (B. 23. 4. 05. 1), from Ruddington, Notts.

Lapwing (*Vanellus vulgaris*) ♂ (B. 26. 4. 05. 1); purchased.

Three nestling Herons (*Ardea cinerea*) and nest and five Eggs (B. 27. 4. 05. 1), from Ince Woods, near Crosby, Lancs.); purchased.

Two Purple Gallinules (*Porphyrio porphyrio*) (B. 28. 4. 05. 1 and B. 22. 9. 05. 1), one Pheasant (*Phasianus colchicus*), one Love Bird (*Agapornis pullaria*) (B. 17. 11. 05. 1 and 2), one Golden-winged Woodpecker (*Colaptes auratus*) (B. 22. 11. 05. 1), and a Trumpeter (*Psophia crepitans*) (B. 27. 12. 05. 1); presented by the Parks and Gardens Committee.

Egg of Common Duck (abnormal) (B. 29. 4. 05. 1); presented by Messrs. Evans & Rothwell, 85, Smithdown Road, Liverpool.

Tawny Owl and 3 nestlings (*Syrnium aluco*) (B. 30. 4. 05. 1), from Flintshire; presented by Mr. T. Hibbert, Penyffordd, Flintshire.

Two Red Grouse (*Lagopus scoticus*) ♂, ♀ (B. 24. 5. 05. 1); purchased.

One Richardson's Skua (*Stercorarius crepidatus*) ♂ (B. 25. 5. 05. 1), and one Herring gull (*Larus argentatus*) (B. 1-6. 05. 1); presented by Capt. Griffiths, s.s. "Beta."

Two Snipe (*Gallinago cælestis*), nestlings (B. 26. 5. 05. 1), and nest of Gold-crested Wren (B. 27. 5. 05. 1), from Nant-y-ffrith; presented by Mr. Greville R. Clarke, 17, Huskisson Street, Liverpool.

Common Sandpiper (*Tringoides hypoleucus*) ♂ (B. 24. 7. 05. 1) from Greasby, Cheshire; presented by Mr. A. Brotherton.

Bird (*indet.*) in spirit (B. 4. 8. 05. 1), from West Africa; presented by Mr. A. Ridyard, Chief Engineer, s.s. "Addah."

Two St. Kilda Wrens (*Troglodytes parvulus*, var.) and a Puffin (*Fratercula arctica*) (B. 11. 8. 05. 1and 2) from St. Kilda, N.B.; purchased.

Three Eagles (*Aquilla chrysætus*), and 2 *indet.*) skins (B. 15. 9. 05. 1); presented by Mrs. Meinertzhagen, Brockwood Park, Arlesford, Hants.

Nest of Great-crested Grebe (*Podiceps cristatus*) (B. 3. 10. 05. 1), from Knowsley; presented by Mr. James Barnes.

Wren (*Troglodytes parvulus*) (B. 1. 11. 05. 1), from Upton, Cheshire; presented by Mr. J. A. Clubb.

Upland Goose (*Bernicla magellanica*) (B. 3. 11. 05. 1); presented by Mr. W. Simpson Cross, Naturalist, Earle Street, Liverpool.

Nest of Bald Coot (*Fulica atra*) (B. 6. 11. 05. 1), from Knowsley; presented by Mr. Jarvis.

Crested Guinea Fowl (*Guttera cristata*) ♂ (B. 23. 11. 05. 1), from Madagascar; purchased.

Pheasant (*Phasianus colchicus*), albino var. (B. 12. 12. 05. 1); presented by John Graham, Jun., Esq., 26, Stanley Road, Hoylake.

One Purple Sandpiper (*Arquatella maritima*), one spotted Crake (*Porzana porzana*), two Fulmar Petrels (*Fulmarus glacialis*), one Glaucus Gull (*Larus glaucus*), two Buffon's Skuas (*Stercorarius parasiticus*), three Turnstones (*Arenaria interpres*), one Great Northern Diver (*Colymbus glacialis*), two Common Guillemots (*Uria triole*), two Razor Bills (*Alca torda*), two Black Guillemots (*Cepphus grylle*), two Puffins (*Fratercula arctica*), one Grey Plover (*Squatarola helvetica*), one Bar-tailed Godwit (*Limosa lapponica*), one Green Sandpiper (*Helodromus ochropus*), one Knot (*Tringa canutus*), one Curlew Sandpiper (*Ancylocheilus subarquatus*), one Whimbrel (*Numenius phæopus*), one Stone Curlew (*Œdicnemus scolopax*), and two Sclavonian Grebes (*Podicipes auritus*) (B. 25. 2. 05. 1-19); found without registered number and now referred to this date.

One Pomatorhine Skua (*Stercorarius pomatorhinus*) (B. 26. 2. 05. 1); found as above and referred to this date.

One White-fronted Goose (*Anser albifrons*), one Bean Goose (*Anser segetum*) one Barnacle Goose (*Bernicla leucopsis*), one Mute Swan (*Cygnus olor*), one Bewick's Swan (*Cygnus bewicki*), one Pintail (*Dafila acuta*), two Widgeons (*Mareca penelope*), one Crested Duck (*Fuligula fuligula*), one Scaup Duck (*Fuligula marila*), one Goldeneye (*Clangula glaucion*), two Long-tailed Ducks (*Harelda glacialis*), one Common Scoter (*Œdemia nigra*), two Goosanders (*Merganser castor*), one Gadwall (*Chaulelasmus streperus*), one Pochard (*Nyroca ferina*), two Cormorants (*Phalacrocorax carbo*), one Jacksnipe (*Lymnocryptes gallinula*), one Sanderling (*Calidris arenaria*), one Dunlin (*Tringa alpina*) (B. 16. 3. 05. 1-19); found as above and referred to this date.

Two Honey Kites (*Pernis apivorus*) ♀ juv. ♀ ad., one Redwing (*Turdus iliacus*), one Quail (*Coturnix coturnix*), one Hoopoe (*Upupa epops*), one Snow Bunting (*Plectrophanes nivalis*), one White Wagtail (*Motacilla alba*), one Pine Grosbeak (*Corythus enucleator*), one Storm Petrel (*Procellaria pelagica*), one Leach's petrel (*Procellaria leucorrhoa*), one Manx Shearwater (*Puffinus anglorum*) (B. 13. 4. 05, 1-10); found as above and referred to this date.

Two Water Wagtails (*Motacilla sp.*), one Swallow (*Hirundo rustica*), four Martins (*Chelidon urbica*), one Goldfinch (*Carduelis elegans*), two Hawfinches (*Coccothraustes vulgaris*), two Tree Sparrows (*Passer montanus*), one Chaffinch (*Fringilla cælebs*) ♂, one Linnet (*Linota cannabina*) ♂, one Bullfinch (*Pyrrhula europæa*) ♀, one Yellow Hammer (*Emberiza citrinella*) ♂, one Snow Bunting (*Plectrophanes nivalis*), one Starling (*Sturnus vulgaris*) ♀, one Jay (*Garrulus glandarius*), one Rook (*Corvus frugilegus*), one Kingfisher (*Alcedo ispida*), two Sparrow Hawks (*Accipter nisus*) ♂, ♀, two Kestrels (*Tinnunculus alaudarius*), two Missel Thrushes (*Turdus viscivorus*), one Song Thrush, nest and three young (*Turdus musicus*), one Redwing (*Turdus iliacus*), one Fieldfare (*Turdus pilaris*), one Blackbird (*Turdus merula*) ♀, one Hedge Sparrow (*Accentor modularis*), one Pheasant (*Phasianus colchicus*) ♂, two Moorhens (*Gallinula chloropus*), one Lapwing (*Vanellus vulgaris*) ♂, one Woodcock (*Scolopax rusticola*) ♀, two Common Sandpipers (*Tringoides hypoleucus*), one Willow Warbler (*Phylloscopus trochilus*), one Swift (*Cypselus apus*), one Lapwing (*Vanellus vulgaris*) ♀ juv., and three Song Thrushes (*Turdus musicus*) and nest (B. 15. 8. 05. 1-34); one Ring Dove (*Columba palumbus*) (19. 6. 75-7) and one Blue Titmouse (*Parus cæruleus*) (B. 20. 10. 03. 1) forming a small collection of local species of birds, were selected for exhibition at Calderstones Park and deposited there in August, 1905.

Mammals.

Chimpanzee (*Troglodytes niger*) (A. 16. 3. 05. 1), Tree Porcupine (*Sphingurus sp.*) (A. 17. 3. 05. 1), two Phalangers (*Phalangista sp.*) (A. 17. 3. 05. 2) and a Serval (*Felis serval*) (A. 29. 3. 05. 1); purchased.

Two Yellow-necked Mice (*Mus flavicollis*) ♂, ♀ (A. 30. 3. 05. 1), from Gloucestershire; purchased.

Anubis Baboon (*Cynocephalus anubis*) ♂, and a Yellow Baboon (*Cynocephalus babuin*) ♀ (A. 1. 05. 1 and 2); purchased.

Two Black Rats (*Mus rattus*) ♀ ♀ (A. 25. 5. 05. 1); presented by Dr. Stephens, Liverpool University.

Common Mongoose (*Herpestes ichneumon*) ♂ (A. 7. 7. 05-1); presented by the Ceylon Cafe Co., Lime Street, Liverpool.

Bridled Kangaroo (*Onychogale frænata*) ♂ (A. 8. 7. 05-1); purchased.

Seal (*Phoca vitulina*) (A. 9. 7. 05-1); purchased. Living in Aquarium.

Bridled Kangaroo (*Onychogale frænata*) ♀, juv. (A. 17. 8. 05. 1); purchased.

Chimpanzee (*Troglodytes niger*) ♀ juv. (A. 25. 8. 05-1); purchased.

Great Ant-eater (*Myrmecophaga jubata*), dry skin, juv. (A. 15. 9. 05. 1); presented by Mr. J. Reuter, 106, Pitt Street, Liverpool.

Part of a Tusk of a Mammoth and Tusk of a young Elephant (A. 3. 10. 05. 1 and 2), from Siberia; purchased.

Botanical Department.

The acquisitions in this department are as follows:—

Two photographs of Jamaican Sugar Plantation and Jamaican Cocoa Pickers (E. 4. 1. 1905. 1 and 2); purchased.

Thirteen wax models of Palæozoic and other Fruits (E. 10. 2. 1905. 1-13); purchased.

Fifty specimens of Woods, viz.:—Lime, Sycamore, Maple, Horse-Chestnut, Acacia, Cherry, Apple, Pear, White Thorn, Ash, Box, Elm, Plane, Oak, Beech, Hornbeam, Spanish Chestnut, Alder, Birch, Willow, Poplar, Yew, Scotch Fir, Spruce, Larch, Cedar and

a few other specimens (*indet.*) (E. 10. 2. 1905. 13-63). Twelve specimens of Woods, viz. :—*Ailanthus glandulosa*, Sugar Maple (*Acer saccharinum*), Indian Blackwood (*Dalbergia latifolia*), African Padouk (*Pterocarpus soyauxii*), *Quercus virens*, Circassian Walnut (*Juglans regia*), Oriental Plane (*Platanus orientalis*), Bullet Wood (*Mimusops globosa*), Screw Pine (*Pandanus discolor*), West African Cotton Wood and one *sp. indet.* (E. 14. 4. 1905. 18-29). Three microscopic slides of Diatoms :—*Triceratium favus*, *Arachnoidiscus* sp. and *Campylodiscus clypeus*. (E. 16. 6. 1905. 1-3). Sixty-eight specimens of Timber, comprising 68 different species, from many foreign and colonial localities (E. 16. 6. 1905. 4-71). A collection of micro-sections, micro-photographs, micro-slides, a negative of a timber micro-photograph, a thin section of a cactus stem and a layer of inner bark (E. 31. 12. 1905. 902-1099); presented by Mr. James A. Weale, Boundary Place, Liverpool.

One hundred Lantern Slides of the following British trees, showing fruit and flowers and appearance in different seasons, viz. : —Field Maple, Sycamore, Horse-Chestnut, Blackthorn, Gean Tree, Bird Cherry, Wild Pear, Wild Apple, White Beam, True Service Tree, Rowan, Hawthorn, Ash, Common Elm, Oak, Beech, Birch, Alder, Crack Willow, White Poplar, Lombardy Poplar, Scotch Pine and Yew (E. 14. 4. 1905. 30-53); purchased.

A series of sixty-six botanical models showing details of the flowers and fruit of 46 species (E. 28. 3. 1905. 1-47); purchased.

Seventeen specimens of native Woods from Sherbro, West Africa (E. 14. 4. 1905. 1-17); presented by Mr. W. L. Bywater, 134, Brighton Street, Seacombe, Cheshire.

Fruiting top of African Oil-nut Palm (*Elæis guineensis*), from Sherbro, West Africa (E. 22. 4. 1905. 1); presented by Messrs. Paterson & Zochonis, Oldhall Street, Liverpool.

Piece of "Tukula" wood, from north of Boma, Congo River, West Africa (E. 1. 5. 1905. 1); presented by Mr. I. C. Wickware, c/o Mr. E. Bennett, 12, Goree Piazzas, Liverpool.

Specimen of Vegetable Tallow from the Chinese Tallow Tree (*Stillingia sebifera*) (E. 9. 6. 1905. 1); presented by Mr. W. Oelrichs, 22, Hackins Hey, Liverpool.

Six volumes of Hough's American Woods with six volumes of corresponding text, comprising 154 series of 3 sections each (E. 14. 7. 1905. 1, et seq.); purchased.

Eleven volumes of Nördlinger's cross sections of Timbers consisting of 1088 specimens (E. 16. 6. 1905. 73, et seq.); purchased.

Seven Plants:—*Fragaria vesca*, L., *Spiræa filipendula*, L., *Habenaria bifolia*, Br., and *Gymnadenia conopsea*, Br. from near Arnside (E. 22, 6. 1905. 1-4). Specimens of the flower and fruit of *Nuphar luteum*. Sm., in different stages, from Rufford (E. 21. 8. 1905. 1); collected and presented by Mr. W. S. Laverock, M.A., B.Sc.

A small collection of fresh sea-weeds (E. 18. 9. 1905. 1, &c.); presented by Dr. J. H. O'Connell, 2, Dudley Road, Liverpool.

Photograph of Fungi at Canterbury, New Zealand (E. 10. 10. 1905. 1); taken and presented by Mr. R. Sneyd Smith.

Two fruits of "Atarri" or "Alligator Pepper" and some fruiting stalks of "Bush Tea Tree," from Sierra Leone, West Africa (E. 15. 11. 1905. 1 and 2); presented by Mr. A. Ridyard, Chief Engineer, s.s. "Addah."

Specimen of Cotton in the pods, from Texas (E. 11. 12. 1905. 1); presented by Mr. R. Rushton, Dallas, Texas, per Mr. W. Cokersol.

A collection of micro-sections and micro-photographs of timbers, consisting of 901 specimens (E. 31. 12. 1905. 1-901); purchased.

Geological Department.

The following are the acquisitions in this department:—

Three photographs of cellular Limestone, from Fulwell Quarry, Sunderland (F. 27. 3. 1905. 1-3); presented by Mr. G. Abbott,

President of the Tunbridge Wells Nat. Hist. Soc., 33, Upper Grosvenor Road, Tunbridge Wells.

Specimen of Dopplerite, from the Sluggat Bog, Co. Antrim (F. 14. 4. 1905. 1); collected by Mr. R. Bell and presented by Mr. R. Welch, Belfast.

Samples of Ore, Flux and finished product of Swedish Iron, from Langbankshyttan, Lesjöfors Aktiebolag, Vermland, Sweden (F. 14. 8. 1905. 1-6), and two discs of red and grey polished Granite (F. 17. 10. 1905. 1-2); presented by Mr. F. Schnitger, 3, Chapel Street, Liverpool.

Glaciated Boulder, from Crosby, Lancs. (F. 23. 9. 1905. 1); presented by Mr. J. L. Williams, 66, Balls Road, Birkenhead.

Small collection of Glacial Material from a gravel pit, Delamere (F. 27. 9. 1905. 1); collected and presented by Mr. Robert Walker, Chapel Lane, Hatchmere, Delamere, per Mr. F. Schnitger.

The Aquarium.

The Aquarium continues, as heretofore, to be one of the chief attractions of the Museum.

The extension, sanctioned last year, of the Aquarium into the saloon formerly containing the North American Ethnography, has now been completed, and has formed a decided attraction to the Museums. The new tanks are 11 in number, and of large dimensions.

Three are devoted to marine, seven to fresh-water inhabitants, and one has been occupied for the greater part of a year by a fine specimen of the common Seal. This has been, and continues to be, a great attraction to both young and old. Numerous classes from the Elementary and other schools have specially visited the Museum for the purpose of seeing the seal fed, and on these and other occasions Mr. Clubb has given short lecturettes detailing in simple language the affinities and modifications of structure adapting seals to their aquatic existence. Of the fresh-water tanks, four are at the

normal temperature, while three are capable (if so required) of being supplied with water of a warmth suitable for the reception of species from tropical latitudes.

A very satisfactory system of aeration, by driving the air through rattan-canes conducted to the bottom of the water, instead of through metal pipes, has been instituted in the salt-water tanks. By this method (suggested by the Director and elaborated by Mr. Honiball, Lecturer on Engineering in the Technical Schools) the air, driven through the fine tubules of the cane, rises in extremely minute bubbles, and so oxygenates the water that it has been found possible to keep in excellent health for months many species of marine life which formerly could be kept alive for a day or two only.

The efforts made to keep the tropical African Fishes in a healthy condition continue to be successful, and the great interest taken in them both by specialists and the ordinary visitor is marked.

The Trout tanks continue in good condition. In order to introduce some new stock, a supply of eggs of the Loch Leven Trout was obtained, and the resulting fry are now thriving yearlings. As the fish from the various hatches increase in size, they become too large for the accommodation available and a number of specimens of Rainbow Trout are presented each year either to the Parks and Gardens Committee for distribution in the Park lakes, to the City Angling Association or to local pisciculturists.

Captain Griffiths, of the Corporation Barge "Beta," continues to bring living specimens of Marine Fishes, and on the several occasions when the Assistant Curator has been out on the "Beta" trawling for marine specimens for the British collections, the opportunity has been taken of bringing in suitable specimens alive for the tanks.

The following species have been exhibited alive during the year, those with an asterisk being alive at the date of this report (new labels, with coloured drawings of the species living in the tanks have been affixed above certain tanks):—

Fresh Water Hydræ* (*Hydra viridis* and *H. fusca*); Zoophytes (*Antennularia ramosa, Hydractinia echinata*); Sea-Anemones, The

Crass* (*Tealia crassicornis*); **Sagartia ornata;* Plumose Anemone* (*Metridium dianthus*); Beadlet* (*Actinia equina*); Cave-dwelling Anemone (*Sagartia troglodytes*); Various Starfishes*; Horse Leech* (*Hæmopsis vorax*); Sea-Mouse (*Aphrodite aculeata*); Fresh-Water Polyzoa* (*Plumatella repens, Lophopus crystallinus*); Edible Crab* (*Cancer pagurus*); Common Shore Crab* (*Carcinus mœnas*); Hermit Crab (*Eupagurus bernhardus*); Spider Crabs (*Stenorhynchus rostratus* and *Inachus dorsettensis*); Slender Spider Crab (*Stenorhynchus tenuirostris*); Cleanser Swimming Crab* (*Portunus depurator*); Shrimp* (*Crangon vulgaris*); Prawn (*Pandalus annulicornis*); Common Lobster (*Homarus vulgaris*); Centipede (*sp. indet.*); Water Spider; Pecten (*P. opercularis*); Cockle (*Cardium aculeatum*); Water Snail (*Limnæus stagnalis*); African Land Snail; Pipe Fish (*Syngnathus acus*); Lesser Weever (*Trachinus vipera*); Fresh Water Eel* (*Anguilla vulgaris*); Brook Trout* (*Salmo fario*); Hybrid Trout* (*S. fario and levenensis*); Loch Leven Trout* (*Salmo levenensis*); Rainbow Trout* (*Salmo irideus*); Crucian Carp* (*C. carassius*); Common Mirror and Gold Carp* (*Cyprinus carpio*); Rudd* (*Leuciscus erythrophthalmus*); Three spined Stickleback (*Gastrosteus aculeatus*); Nine spined Stickleback (*Gastrosteus pungitius*); Fifteen spined Stickleback (*Gastrosteus spinachia*); Minnow; Bream*; Butter Fish (*Centronotus gunellus*); Dace* (*Leuciscus leuciscus*); Fresh Water Gudgeon* (*Gobio fluviatilis*); Common and Gold Tench* (*Tinca vulgaris*); Roach* (*Leuciscus rutilus*); Pike* (*Esox lucius*); Perch* (*Perca fluviatilis*); Ruffe* (*Acerina vulgaris*); African Mudfish* (*Protopterus annectens*); Walking Fish* (*Periophthalmus koelreuteri*); Spotted Goby (*Gobius minutus*); Sole* (*Solea vulgaris*); Dragonet or Skulpin (*Callionymus lyra*); Spotted Dragonet (*Callionymus maculatus*); Pogge* (*Agonus cataphractus*); Common Gurnard (*Trigla gurnardus*); Plaice* (*Pleuronectes platessa* and *Pleuronectes microcephalus*); Flounder* (*Pleuronectes flesus*); Dab* (*Pleuronectes limanda*); various species of Skate* (*Raia*); Lesser Spotted Dog-Fish (*Scyllium canicula*); Picked Dog Fish (*Acanthias vulgaris*); Common Frog and Tadpoles (*Rana temporaria*); Natterjack Toad (*Bufo calamita*); Common Toad (*Bufo vulgaris*); Italian Toad (*Bufo vulgaris*); Crested or Great Water Newt* (*Triton cristatus*); Common or Smooth Newt* (*Molge vulgaris*); Lizard* (*Lacerta sp.*); Gecko (*Tarentola delalandii*); Chamæleon (*Chamæleon*

basiliscus); African Lace Lizard* (*Varanus griseus*) deposited; Skink* (*Chalcides ocellatus*); Alligator Terrapin * (*Clielydra serpentina*); Sternotheres* (*Sternotharrus niger*) and (*S. adonsonii*); American Water Turtle * *Hydraspis hilarii*) Long-necked Chelodine* (*Chelodina longicollis*; Grass Snake (*Tropidonotus natrix*); West African Crocodile * (*Osteolæmus tetraspis*) and Egyptian Crocodile (*Crocodilus niloticus*); Common Seal (*Phoca vitulina*).

Summary of Acquisitions.

Zoological.

Protozoa	2	Species	2	Specimens.	
Porifera	2	,,	2	,,	
Cœlenterata	9	,,	12	,,	
Echinodermata	2	,,	3	,,	
Vermes	2	,,	20	,,	
Brachiopoda	3	,,	25	,,	
Arthropoda (Crustacea)	6	,,	8	,,	
Arthropoda (Tracheata)	100	,,	300	,,	
Mollusca	70	,,	700	,,	
Fishes	20	,,	70	,,	
Amphibians	1	,,	1	,,	
Reptiles	26	,,	54	,,	
Birds	115	,,	165	,,	
Mammals	14	,,	20	,,	
	372		1382		

Botanical.

Plants	1,485	Species	3,006	Specimens.

Geological and Mineralogical.

Rocks and Minerals	14	Specimens.

Total additions to the Lord Derby Museum.

Species	1,857	Specimens	4,402

B.—MAYER MUSEUM.

(*a*) General.

The following is the arrangement of the galleries in this Museum; In the upper floor are to be found illustrations of the history, art and craft of the various families of the **Mongolian** Race; on the ground floor, together with the Main Hall and its balcony, those of the **Caucasians,** and in the basement those of the **Melanian** peoples.

In accordance with the scheme of re-arrangement all objects illustrating local history and archæology have been placed on exhibition in the first two rooms of the Local Area Gallery of the Lord Derby Museum. In this section many interesting exhibits have been added, principally views of old Liverpool and a collection of photographs illustrative of the old Halls, Houses, Churches, &c., of Lancashire and Cheshire.

Through the generosity of T. Brocklebank, Esq., The Roscote, Heswall; J. R. Paton, Esq., J.P., Darby Road, Grassendale; E. Whitley, Esq., Clovelly, Sefton Park; Mrs. E. E. Whitley, Elmshurst, Bromsgrove, Worcestershire; and of J. W. Hughes, Esq., New Heys, Allerton, the Director was able to benefit to the extent of one-tenth share in the results of the explorations carried on by Mr. J. Garstang at Edfu, Kom el Ahmar, Hierakonpolis, Esna, and Hissayeh, Egypt.

The arrangement of the **Mongolian** section on the top floor has been completed so far as the provision of cases permits. The majority of the specimens have been labelled.

A small but most interesting group of objects from Thibet (obtained during the punitive expedition) has been acquired by purchase.

The **Melanian** department continues to receive numerous acquisitions from all parts of Africa, many being of particular interest; as in previous years, the Mayer Museum is indebted to Mr. A. Ridyard, Chief Engineer in the service of Elder, Dempster and Co., who has been most assiduous in collecting. Through the

kindness of Mr. A. A. Whitehouse, Eastern Divisional Commissioner, S. Nigeria, the collection has been enriched by the addition of a number of carved wood head-ornaments worn in the dance, obtained during punitive expeditions in the Ikpaffia country, Degama River, S. Nigeria.

An extensive collection of brass weights and boxes from Ashanti has been generously presented by H.E. the Governor of the Gold Coast, Sir John Rodger, K.C.M.G.

Two frames of excellent prints of S. Africans and a map of S. Nigeria have been placed on exhibition to better illustrate the objects in the Melanian section.

In connection with the arrangement with the Liverpool Institute of Commercial Research in the Tropics, the extensive collection of Ethnographical objects obtained by Lord Mountmorres during his expedition into the interior of Africa has been received on deposit, details of which will appear in next year's report.

The majority of the specimens in the Melanian department have now been supplied with printed labels.

A group of duplicate Ethnographical objects has been sent to the American Museum of Natural History, New York, per Dr. H. C. Bumpus, Director, for a subsequent selection of Ethnography new to the collection to be sent in exchange.

Many photographs have been taken of Ethnographical objects, pottery, and ivories, &c., to illustrate various publications and for study and comparison, as follows:—

Fire-dog, in brass, enamelled; English; to Mr. Miller Christy.

Gallipots, English and Continental, to Mr. C. H. Wylde, Victoria and Albert Museum.

Jellah Coffee Loom, West Africa; and Thibetan bone carving, to Mr. Vallance, Edinburgh Museum.

Blue salt-glazed teapot, to Mr. W. Bemrose.

Saxon Broach, Kingston (Faussett Coll.), to Dr. P. Nelson.

Saxon pendant ornament, to Mr. Prætorius.

Liverpool printed Jug, Ship Sally of Newbury Port, Moses Wells, Master, 1808; Jug, Bidston Hill Signals; plate, subject: the tea-party; mug, "Col. Tarleton"; oval medallion, portrait of Washington; porcelain saucer and plate, Chinese; to Mr. W. Turner.

Impressions of Egyptian Scarabs, to Mrs. Grenfell, Oxford.

(*b*) Loans and Deposits.

The collection of Chinese Porcelain, decorated after the Japanese style, 17th and 18th centuries; deposited by Mr. John Mellor, Junr., June 24th, 1904, has remained on exhibition during the past year.

(1) A Treatise on Moral Philosophy, Italian, 13th century ($\frac{12,048}{M}$); (2) History of the World, Sacred and Profane, Italian, 13th century ($\frac{M}{12,107}$), and (3) Selections from the Fathers, SS. Augustine, Gregory, Anselm, &c., English, 14th century ($\frac{M}{12,036}$), were lent to Mr. Sampson, University of Liverpool, June 29th, 1903, and returned December 19th, 1905.

Stone Quern, from an old farm at Sefton; deposited by Mr. W. E. Gregson.

Steatite head, from Mano, Mendi country, Sierra Leone, West Africa; deposited by Mr. W. E. C. Morriss, Sierra Leone, Freetown.

(*c*) Exchanges.

The following duplicate Ethnographical objects were sent to Dr. H. C. Bumpus, Director, the American Museum of Natural History, New York, for a subsequent exchange, as per minute September 15th, 1905:—

Object.	Locality.	Register No.
Sword	Cameroons W. Africa	27. 8. 66. 1.
Musical Instrument	Benin ? „	11. 6. 68. 31
Knife and Sheath	Cameroons „	2. 7. 72. 16.
Wooden Ladle	„ „	25. 11. 72. 1.
Cane Tooth-brush	Old Calabar „	16. 6. 76. 27.
Whip of Hippo. Hide	Gaboon „	26. 8. 80. 14.
Knife	M'pongwe, Gaboon „	26. 8. 80. 17.
Harp	„ „ „ „	20. 9. 83. 1.
Knife	Sette Kama „	11. 10. 83. 8.
Sword	Ashogo „	11. 10. 83. 4.
Spoon	Molingy Tribe, Bata „	20. 9. 83. 27.
Throwing Knife	Gaboon „	9. 7. 95. 43.
Musical Instrument	Cameroons „	10. 10. 95. 3.
Wooden Spoon	Batanga „	3. 2. 96. 4.
Telegraph Drum	Cameroons „	3. 2. 96. 8.
Fishing Line	Batanga „	27. 4. 97. 1.
Pipe Head	Bali, Cameroons „	27. 4. 97. 27.
Grass Cap	„ „ „	20. 8. 97. 36.
Pipe Head	„ „ „	20. 8. 97. 40.
Wooden Comb	Benin „	21. 12. 97. 7.
Fetish Dress	Old Calabar „	1. 1. 97. 6.
Bellows	Cameroons „	8. 12. 97. 6.
Kroo-boy Harp	Cape Lopez „	1. 1. 97. 8.
„ Rattle	Cape Palmas „	9. 7. 95. 28.
Wooden Figures	Rio del Rey, Cameroons „	9. 8. 98. 16.
Brass Armlet	Muni River, „	19. 4. 98. 57.
Crossbow	M'pongwe, Gaboon „	26. 8. 80. 15.
Musical Instrument	Old Calabar „	24. 4. 99. 6.
Comb	Landana „	29. 5. 00. 18.
Bell	„ „	28. 1. 01. 33.
Drum	Batanga „	28. 1. 01. 16.
Bamboo Water-bottle	Sierra Leone „	28. 1. 01. 1.
Grass Mat	Degama „	20. 5. 01. 7.
Calabash	Gold Coast „	20. 5. 01. 28.
Drum	Cape Coast Castle „	5. 12. 01. 4.
Krooboy Rattle	Liberia „	29. 9. 02. 1.
Nozzle for Bellows	S. Nigeria „	14. 4. 03. 7.
Earthenware Vessel	„ „	31. 7. 03. 11.
Water Cooler	Gold Coast „	14. 4. 03. 1.
Earthenware Dish	Accra „	5. 5. 04. 23.
Basket	Port Lokko „	5. 5. 04. 9.
Earthenware Pot	Bissao „	5. 5. 04. 1
Enema	Accra „	2. 5. 05. 8.
Earthenware Vessel	Opobo „	5. 5. 04. 14.
„ Pot	Bissao „	4. 2. 04. 11.
Fan	Bonny „	10. 2. 05. 17.
Prayer Wheel	Thibet	16. 6. 05. 9.
Butter Lamp	„	16. 6. 05. 12.
„	„	16. 6. 05. 15.
Brass Spoon for trimming lamp	„	16. 6. 05. 17.
Brass Charm Box	„	16. 6. 05. 27.
„	„	16. 6. 05. 57.
Silver Earring	„	16. 6. 05. 64.
Inkstand	„	16. 6. 05. 44.
Horn Musical Instrument	Congo, W. Africa	—

(*d*) Acquisitions.

(1.) General.

Part of the handle of a Sword used by the Mock Corporation of Sefton, found in the ditch at the rear of the Punch Bowl Inn, Sefton, near Liverpool, about 1897 (3. 2. 05. 1); presented by Mr. W. E. Gregson. [Note: The sword—minus this part of the handle—had been in the Museum some years.]

Meat Jack (3. 2. 05. 2), from an old house in Crosby, near Liverpool, called "Stanley House," now pulled down; presented by Mr. W. E. Gregson.

Water-colour drawing of Boulton's House, Finch Lane, West Derby, near Liverpool; painted (1879) and presented by Mr. E. P. Thompson, Whitchurch.

Lithographic print of St. George's Hall, 1854 (9. 3. 05); purchased.

Several examples of rails and chairs of various Railways (5. 5. 05. 38-50); presented by Mr. Clement E. Stretton.

Tinder-box pistol (12. 5. 05. 3), made by Desco, Lavnez, France; book (12. 5. 05. 4), "De Imitatione Christi," Paris, 1858; presented by Mr. Samuel Smith, Junr.

A selection of photographs (16. 5. 05. 1-101) and (9. 11. 05. 1-100) of old halls, churches, houses, and other interesting objects in Lancashire and Cheshire has been acquired for the Local Area collections, as follows:—Mossock Hall; New Hall, Club Moor; Simonswood Hall; Bamfurlong Hall; Chanters Hall; Hesketh End; Higher Buckstraw, Wharton Hall; Newton Old Hall; New Hall; Salmesbury Hall; Tong Hall; Hawkley Hall; Standish Hall; Borwick Hall; Worthington Hall; Claughton Church; Rainhill Hall; Moor Hall; Agecroft Hall; Heysham Hall; Lydiate Hall; Bold Old Hall; Claughton Hall; Aughton Church; Black-lawyer's House; Martholme; Worden Old Hall; Ashhurst; Martin's Hall; Sephton Hall; Ordsall Hall; Standish Church; Hornby Hall; Saxon stone, Hornby Church; Hoole

Church; Furness Abbey; Lathom Hall; Hoghton Tower; Radcliffe Tower; Lostock Hall; Heskin Hall; Overton Church; Wardley Hall; Whalley Abbey; the Hutte, near Hale; Ormskirk Church; Crosby Hall; Ancient Church of Maghull; Widnes House; Cronton Hall; The Cross, Cronton; Wavertree Mill; Kenyon Peel Hall; Doorway, Gressingham Church; Bradley Hall; Bank Hall; Strydd Chapel; Ribchester Church; the Cross, Ribchester; the Old Well, Ribchester; the Font, Ribchester; Walton Hall; Melling Church; Chapter House, Cockersand Abbey; Burscough Priory; Carr Hall; Bold Monument and Sundial, Farnworth Church; Clegg Hall; Halsall Church; Mather House, Lowton; Stane Hall; Sefton Church; Hall i'th Wood, Bolton; Priests' door, Whalley Church; Cross, Whalley Churchyard; Lower Brockholes; Scott's Fold; house at Rufford; leather houses, Halewood; old cottage, Farnworth.

Photograph of the Great North Door, Furness Abbey (16. 5. 05. 102); presented by Mr. J. A. Waite.

(2.) Ceramics.

No acquisitions which can be classed under this head have been received during the present year.

(3.) Ethnography.

MELANIAN RACE.

Africa.—West and South-west Africa :—

List of specimens collected and presented by Mr. A. Ridyard, Chief Engineer ss. "Addah," Messrs. Elder, Dempster & Co.:—
Liberia:—

Board, with rudely-carved figures (8. 11. 05. 4), Deabo.

Wooden stool (5. 8. 05. 1), Lagos hinterland; Basket and lid (8. 11. 05. 3), Port Lokko; Bundu devil-head (8. 11. 05. 1), Mayomba.

North Nigeria:—

Basket, made of variously coloured and interlaced reeds (8. 11. 05. 13), from Egga; small calabashes (8. 11. 05. 19-20), from Kano; carved and stained gourd (8. 11. 05. 21), from Bidá.

South Nigeria:—

Nine varieties of plaited grass mats (10. 2. 05. 1-9), plaited grass mats (10. 2. 05. 10-17), plaited grass baskets of various forms (10. 2. 05. 18-25), from Bonny; wooden male figure (10. 2. 05. 26), Iguta, Ibo country; wooden painted female figure (10. 2. 05. 27), Qua Ebo; large earthenware palm oil pot (10. 2. 05. 28), Insokpo, Ibo country; musical instrument (10. 2. 05. 29), Egwanga, Opobo; earthenware bowls (8. 11. 05. 8-9), earthenware stoppers for water bottles (8. 11. 05. 10-12), double wooden comb (5. 8. 05. 3), earthenware vessels (5. 8. 05. 4-5), from Koko Town, Benin; fetish in form of a fish (5. 8. 05. 2), Forcados, Benin; earthenware water bottles with designs (8. 11. 05. 5-7), from Abraka, Benin; pair of leather sandals (5. 8. 05. 6); mat, made by Haussas (5. 8. 05. 7), from the Bennue River.

As in previous years, many interesting objects have been received through the kind offices of Mr. A. Ridyard, as follows: –

Large drum (2. 5. 05. 1), black earthenware pot in form of a sitting hen (2. 5. 05. 2), black earthenware basin and cover in form of a sitting hen (2. 5. 05. 3), wooden fan (8. 11. 05. 25), from Accra; presented by King Cudjoe Ababio IV.

Wooden canoe baler (10. 2. 05. 30), horn made of two pieces of wood bound together (10. 2. 05. 31), elephant's tail (10. 2. 05. 32), shell, containing native salt (10. 2. 05. 33), Cape Palmas and hinterland; presented by the Rev. S. D. Ferguson.

Black earthenware jug (10. 2. 05. 34), black earthenware water-bottle (10. 2. 05. 35.), from Koley Yiseh, Accra; presented by Prince Daniel A. Tackie.

Small native loom for weaving cloth (10. 2. 05. 38) and three cloths, woven on above loom (10. 2. 05. 39-41), from Akweta, S. Nigeria; presented by Mr. John Miller.

Fisherman's hat of plaited reed (10. 2. 05. 36), Andoni River, between Opobo and Bonny; carved wooden female figure (10. 2. 05. 37), Qua Ebo, S. Nigeria; presented by Chief Fred. Green.

Carved wooden figure of a female, painted black (10. 2. 05. 43), from Abidjam, Grand Bassam, French Ivory Coast; presented by Mr. T. Mensah.

Bow and quiver of arrows (10. 2. 05. 45), from the Su Su country; presented by Mr. H. Buckle.

Pocket knife made from a file (10. 2. 05. 44), from Cape Palmas; presented by Mr. E. N. Thomas.

Carved wooden ladle (2. 5. 05. 4), Accra; presented by Mr. Allotey.

Painted wooden mask (2. 5. 05. 5), from Qua Ebo, S. Nigeria; gourd calabash and ladle (2. 5. 05. 6-7), two enemas (2. 5. 05. 8), Accra; presented by Mr. Moses Nequaye.

Carved figure of a leopard in wood (2. 5. 05. 9), from near Cape Coast Castle; presented by Mr. J. J. Kuofi.

Mask of painted wood in form of a ram's head (2. 5. 05. 10), Ikpaffia country, S. Nigeria; presented by Mr. Thomas E. Spiff.

Gree gree or leather amulet (2. 5. 05. 11), Fulah country; presented by Mr. J. A. Hooper.

Black earthenware water-barrel, with lid, inscribed "Mr. K. Anak, 1903" (5. 8. 05. 8) and soup tureen (5. 8. 05. 9), from K'pando, hinterland of Togo-land; presented by Mr. C. J. Bannerman.

Model of a King's Messenger Sword (8. 11. 05. 14), Gold Coast; presented by Mr. Charles M. Davidson.

Plaited grass basket (8. 11. 05. 15), Port Lokko; presented by Mr. G. P. During.

Plaited grass bag (8. 11. 05. 16) and two gourd enemas (8. 11. 05. 17-18), Grand Bassa, Liberia; presented by Mr. S. G. Harman.

Leather "state" bag (8. 11. 05. 22), from Gimini; wooden female figure (8. 11. 05. 23), from Achiyea; wooden chair (10. 2. 05. 42), from Bondoko, hinterland of Grand Bassam, French Ivory Coast; presented by Mr. A. H. Garburah.

Carved paddle (8. 11. 05. 24), Benin; presented by Mr. U. J. Lawrence.

A large and interesting collection of brass bowls, boxes and weights from Ashanti has been received from H.E. Sir John Rodger, Governor of the Gold Coast, W. Africa, as follows:—Brass bowl with lid on three legs, engraved designs (7. 3. 05. 1), about A.D. 1700; brass box, with hinged lid and loops for suspension (7. 3. 05. 2); brass box, with raised design, perforated foot (7. 3. 05. 3), about A.D. 1730; brass boxes of various forms, probably used for holding gold dust (7. 3. 05. 4-13). The collection of weights (7. 3. 05. 14-213) are of various forms: birds, birds and tortoise, bird and snake, electric fish, ram, leopard and goat, porcupine, deer, chameleon, antelope, fish, alligators, snake and frog, alligator and fish, tortoise and fish, snake, crab's claw, insects, shells, pea-nut, flint-lock guns, stools, gong gongs, horns, adzes, axes, swords and knives, knots, men in various occupations, shields, &c., &c.

Group of carved and painted wooden head ornaments in the form of various animals, &c., worn on the head in native dances; from the Ikpafia country, 30 miles up the Degama River; collected and presented by A. A. Whitehouse, Esq., Eastern Divisional Commissioner, Niger Coast Protectorate (4. 4. 05. 1-25). Specimens as follows:—Head ornament in form of a crocodile, painted, wicker framing wanting (4. 4. 05. 1); head ornament in form of a crocodile, painted, wicker framework complete (4. 4. 05. 2); three in form of conventionalized fish and crocodile, painted, no framework for the head (4. 4. 05. 3-6); wooden drum, with rude head on top (4. 4. 05. 7);

three-legged wooden drum, with skin head (4. 4. 05. 8); head ornament, a bird on a circular platform, with framework for head (4. 4. 05. 9); head ornaments of wood, carved in form of convential heads of the hippopotamus, no framework (4. 4. 05. 10-14); another, the top resembling a human face (4. 4. 05. 15); another, with four human figures seated on the top (4. 4. 05. 16); another, the forepart in form of an animal and the rear a box (4. 4. 05. 17); head ornaments of wood, painted, in form of conventionalized hippopotamus, &c. (4. 4. 05. 18-21); another, in form of a boar's and a human head (4. 4. 05. 22); another in form of an animal (4. 4. 05. 23); another, a female figure, painted (4. 4. 05. 24); another, a human head, of wood with ornaments (4. 4. 05. 25).

Piece of red wood (tukula) used for dyeing (12. 5. 05. 5), from Boma district, Congo River; presented by Mr. I. C. Wickware.

Brass bell (24. 11. 05. 1), bone hairpins (24. 11. 05. 2-7) stained red, blue, &c., wood armlet inlaid with brass (24. 11. 05. 8), skin water bottle (24. 11. 05. 9), earthenware water bottle (24. 11. 05. 10); purchased.

Photograph (24. 11. 05. 11) of an Akka quiver and arrows, from the originals in the Royal Scottish Museum, Edinburgh; presented by D. J. Vallance, Esq.

Large wooden chair (14. 7. 05. 1), from Ashanti; presented by Captain D. A. Donovan.

South Africa:—

Armlet of twisted wire (12. 5. 05. 2), Zulu; presented by Mr. A. Menier.

Polynesia.—

Two necklaces of ground shells and nuts (23. 1. 05. 1-2), from Tonga, New Hebrides.

Sandwich Islands.—

Granite *poi* pounder (13. 10. 05. 1), granite mortar (13. 10. 05. 2), old wooden "tapa" beater (13. 10. 05. 3), sandal made of *ti* leaves

(13. 10. 05. 4), pillow made of palm leaves (13. 10. 05. 5), fan made by girls from bamboo, sugar-palm and mid-rib of the fern (13. 10. 05. 6), mat, made of plantain leaves (13. 10. 05. 7), packet of playing cards with local views (13. 10. 05. 8); presented by Mr. Stafford Heapy, Honolulu.

MONGOLIAN RACE:—

America.—

Central:—

Collection of flint implements, pottery and remains of human bones (14. 12. 05. 1-137), from mounds at Boston, Belize River, British Honduras; collected and presented by Professor Boyce, F.R.S., University, Liverpool.

Thibet.—

The following group of objects were obtained by purchase from a member of the Thibetan Punitive Expedition:—Bronze figure of a Llama (16. 6. 05. 1), from the Tsechan Monastery; wooden figure of Buddha (16. 6. 05. 2), from a private temple at Guru; figures of Buddha, copper, gilt (16. 6. 05. 3-4), from a temple at Gyantse; copper figure of Buddha (16. 6. 05. 5), from a private temple at Gyantse; prayer wheels, with outer cases of copper (16. 6. 05. 6-7), prayer wheels with outer cases of brass (16. 6. 05. 8-9), from houses in the neighbourhood of Gyantse; brass "butter" lamps (16. 6. 05. 10-13), from temples at Gyantse; two flat copper "butter" lamps (16. 6. 05. 14-15) and brass spoons (16. 6. 05. 16-17, used for trimming "butter" lamps, from temples at Gyantse; pair of large cymbals used in religious festivals (16. 6. 05. 18), and a pair of small ones (16. 6. 05. 19), probably from the Tsechan Monastery, obtained at Gyantse; brass gong (16. 6. 05. 20), from the Gyantse fort; water jug made of copper and brass (16. 6. 05. 21), from a village near Gyantse; two pieces of carved bone (16. 6. 05. 22-23), from a priest's apron, from the monastery at Tsechan. A perfect example of these aprons is in the Royal Scottish Museum, Edinburgh. Dorjé, or enchanted dagger (16. 6. 05. 24), from Gyantse; wooden block for

printing prayer flags (16. 6. 05. 25), from Guru; copper and silver charm boxes (16. 6. 05. 26-27), from Lhasa; copper charm boxes (16. 6. 05. 28-30), from Guru; rosary of wooden beads (16. 6. 05. 31), from Guru; painted pictures of religious subjects (16. 6. 05. 32-37), from houses in the neighbourhood of Gyantse and Dontse; sling, made of yak hair (16. 6. 05. 38), from Guru; black and red leather pouches (16. 6. 05. 39-40), from Guru; pair of dust-glasses (16. 6. 05. 42); brass and bronze inkstands (16. 6. 05. 43-44), from Guru; pipe (16. 6. 05. 56), brass charm cases (16. 6. 05. 57-58), from Lhasa; silver earrings inlaid with turquoise (16. 6. 05. 59-66), from Guru; silver finger rings (16. 6. 05. 67-68), from Guru; steel die (16. 6. 05. 69), from Gyantse; bandoliers, with bullet moulds, powder flasks, flint and steel, &c. (16. 6. 05. 70-71). from Guru; leather belts ornamented with metal plates (16. 6. 05. 72-73), from Guru; sword with inscribed blade and shag-green case (16. 6. 05. 74), from the monastery at Tsechan; sword in a shag-green case 16. 6. 05. 75), from Guru; bell, with clapper and staple for fixing to a doorway—the bell is struck by the action of the wind on the broad clapper—(16. 6. 05. 76), from Gyantse; string of four nuts extremely well carved (16. 6. 05. 77), metal figures of gods (16. 6. 05. 78-80), from Lhasa. The following Chinese objects were obtained in Lhasa: water pipes (16. 6. 05. 45-46), onyx snuff-bottle with stopper (16. 6. 05. 47), two glass snuff-bottles with stoppers (16. 6. 05. 48-49), soapstone snuff-bottle with stopper (16. 6. 05. 50), glass snuff-bottle—no stopper (16. 6. 05. 51), amulet, of sardonyx (16. 6. 05. 52), chopsticks, knives, &c., in cases (16. 6. 05. 53-55), pair of folding spectacles (16. 6. 05. 41).

Photograph of a priest's apron composed of carved human and other bones (24. 11. 05. 12), from Thibet, from the original in the Royal Scottish Museum, Edinburgh; presented by D. J. Vallance, Esq.

Japan.—

Illustrated leaves from a book of Poems (14. 7. 05. 2); presented by Mr. A. L. Rathbone, C.C.

CAUCASIAN RACE:—

Egypt.—

Large sandstone tablet of Ankhab, offering to Amen, under Amenemhat II., **xiith** dynasty (4. 9. 05. 1), parts of a green glazed ring with cartouche and name of Tausert, **xixth** dynasty (4. 9. 05. 2), part of a green-glazed ring with cartouche and name of Rameses II., **xixth** dynasty (4. 9. 05. 3), parts of a green-glazed wand, with name of Rameses II., **xixth** dynasty (4. 9. 05. 4), part of a green-glazed wand, **xixth** dynasty (4. 9. 05. 5), from the Peninsula of Sinai. Piece of green glaze with head of Hathor on either side (4. 9. 05. 6), another, with head on one side only (4. 9. 05. 7), piece of green glaze with figure of an animal (4. 9. 05. 8), piece of green glaze with two lotus flowers and head of an animal (4. 9. 05. 9), fragments of turquoise from mines at Wady Maghara (4. 9. 05. 10), strings of beads (4. 9. 05. 11); twelve flint flakes (4. 9. 05. 12), flint implement (4. 9. 05. 13), flint borer (4. 9. 05. 14), two flint implements (4. 9. 05. 15-16), flint scraper (4. 9. 05. 17), flint implement (4. 9. 05. 18), piece of flint? (4. 9. 05. 19), two fragments of stone (4. 9. 05. 20), Wady Maghara mines, Peninsula of Sinai; vase of earthenware partly green-glazed with painted design, repaired (4. 9. 05. 21), **xviiith** dynasty, from the Temple of Sarabit, Sarabit el Khadem; presented by the Committee of the Egypt Exploration Fund.

Red earthenware vases of various forms, some painted and others with rudimentary handles (25. 11. 05. 1-11), **pre-dynastic;** earthenware bowls (25. 11. 05. 12-34), **pre-dynastic** from Kom el Ahmar; flint fragments (25. 11. 05. 35), flint saws (25. 11. 05. 36), flint scrapers (25. 11. 05. 37), flint flakes (25. 11. 05. 38), **pre-dynastic** or **early dynastic** from Hierakonpolis; slate palettes (25. 11. 05. 39-41), **pre-dynastic,** Kom el Ahmar; alabaster basin (25. 11. 05. 42), alabaster vase (25. 11. 05. 43), **pre-dynastic,** Kom el Ahmar; limestone mace-head (25. 11. 05. 44), **early dynastic** Hierakonpolis; three shell bracelets (25. 11. 05. 45), four bone pins (25. 11. 05. 46), bone spoon (imperfect) (25. 11. 05. 47), part of a bone comb (25. 11. 05. 48), bronze ring (25. 11. 05. 49), fish-hook of bronze (25. 11. 05. 50), string of beads and shells (25. 11. 05. 51), string of beads (25. 11. 05. 52), **pre-dynastic** Kom el Ahmar; flint knife (25. 11.

05. 53) and flint implement (25. 11. 05. 54), **pre-dynastic** Hierakonpolis; base of an alabaster vase (25. 11. 05. 55), **iiird** dynasty; arm of a clay doll (25. 11. 05. 56); alabaster, blue stone, slate, and stone kohl pots (25. 11. 05. 57-64), egg of . . . . (25. 11. 05. 65), two draughtsmen (25. 11. 05. 66), rude earthenware figures (25. 11. 05. 67-68), parts of clay figures (25. 11. 05. 69-70), rude imitation of an animal (25. 11. 05. 71), terra-cotta vessel in form of a duck (25. 11. 05. 72), alabaster vase (imperfect) (25. 11. 05. 73), earthenware vase (25. 11. 05. 74), scarab (25. 11. 05. 75), part of a porcelain ball (25. 11. 05. 76), gold bead (25. 11. 05. 77), **xiith** dynasty, from Esna; alabaster vase (25. 11. 05. 78), strings of beads (25. 11. 05. 79-80), carnelian and stone beads (25. 11. 05. 81), **xiith-xviiith** dynasties; string of beads and scarabs (25. 11. 05. 82), piece of painted pottery (25. 11. 05. 83), miscellaneous beads, &c. (25. 11. 05. 84), **xiith-xviiith** dynasties, from Esna; stone vase (25. 11. 05. 85), shell armlets (25. 11. 05. 86-87), vase of light-coloured earthenware (25. 11. 05. 88), Canopic jars and lids (25. 11. 05. 89-90), group of earthenware vases, bowls, &c. (25. 11. 05. 91-118), model earthenware coffin (25. 11. 05. 119), model table of offerings (25. 11. 05. 120), red earthenware vases (25. 11. 05. 121-134), earthenware vase (25. 11. 05. 135), model earthenware coffin (25. 11. 05. 136), earthenware bowls and saucers (25. 11. 05. 137-143), **xiith** dynasty, from Esna; clay seal from a wine jar (25. 11. 05. 144), alabaster bowl (25. 11. 05. 145), green-glazed ushabti (25. 11. 05. 146), earthenware bottle (25. 11. 05. 147), **xviiith** dynasty; stone heart scarab (imperfect) (25. 11. 05. 148), amulets (25. 11. 05. 149-150), porcelain wings from beetles (25. 11. 05. 151-152), beads and scarabs (25. 11. 05. 153), copper basin with handle (25. 11. 05. 154), copper chisel, model spears, tweezers, hook and band (25. 11. 05. 155-159), copper eyes from a mummy case inlaid with stone (25. 11. 05. 160), earthenware ushabti (25. 11. 05. 161-200), beads, various (25. 11. 05. 162), **xxth** dynasty, from Esna; beads, scarabs and amulet (25. 11. 05. 163), beads, &c. (25. 11. 05. 164-166), **xxiind** dynasty; beads, various (25. 11. 05. 167-176a), **xxiind-xxvth** dynasties, from Hissayeh and Hierakonpolis; stone with part of an inscription (25. 11. 05. 177), Hierakonpolis; limestone stelæ of Ankh-en-khet (25. 11. 05. 178), **xiith-xiiith** dynasties, from Esna; sandstone table of offerings

FIFTY-FOURTH

ANNUAL REPORT

OF THE COMMITTEE

OF THE

FREE PUBLIC MUSEUMS

OF THE

CITY OF LIVERPOOL,

FOR THE YEAR ENDING 31ST DECEMBER, 1906.

(Reprint of the General Report and of the Museums' portion only of the Report of the Committee of the Free Public Library, Museums, and Walker Art Gallery).

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MUSEUMS.

SUB-COMMITTEE AND OFFICERS

for the Year 1906-1907.

THE RIGHT HONOURABLE JOHN JAPP, LORD MAYOR.

Committee:

WILLIAM PERMEWAN, ESQ., M.D., J.P., CHAIRMAN.

PROFESSOR A. M. PATERSON, M.D., DEPUTY-CHAIRMAN.

ALEXANDER ARMOUR, ESQ.,
ARCHIBALD BATHGATE, ESQ.,
EDWIN BERRY, ESQ.,
JOSEPH BIBBY, ESQ.,
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ALD. M. HYSLOP MAXWELL, J.P.,
HENRY MILES, ESQ.,
HERBERT R. RATHBONE, ESQ.,
ALDERMAN J. N. STOLTERFOHT.
COLONEL W. HALL WALKER, M.P.

Director of Museums:

HENRY O. FORBES, LL.D., F.R.G.S., F.R.A.I., F.Z.S.,
Reader in Ethnography in the University of Liverpool.

LORD DERBY MUSEUM.

Assistant Curator:
JOSEPH A. CLUBB, M.Sc.

MAYER MUSEUM.

Assistant Curator:
P. ENTWISTLE.

Assistant in Botanical and Geological Departments:
WILLIAM S. LAVEROCK, M.A., B.Sc.

Chief Clerk:
W. COKERSOL.

GENERAL REPORT.

It is gratifying to report that the three Institutions under our charge continue to make satisfactory progress, and are doing an excellent work in providing entertainment and instruction for the people of this city.

The chief events of the year have been the opening of the Hornby Library by Mrs. Madden and the formal opening of the new Museum Galleries by the Right Hon. the Earl of Derby.

The Hornby Library contains a unique collection of works on art and a very extensive and valuable selection of prints, and it has already been found very useful to our art students.

There is a call for further Libraries, and Mr. Carnegie has generously undertaken to erect one at Garston and the Committee have arranged to erect another for Walton and Fazakerley.

It must, however, be remembered that in Library work the first cost is only the initial expense. Libraries must be maintained and kept up to date, and the annual working expenses are quite considerable. The Committee therefore hope that the Council will continue their generous support.

The formal opening of the Museum Galleries marks the completion of an arduous undertaking which has lasted for several years, and has resulted in enriching the city with a Museum which in the extent of its exhibits and their scientific arrangement has but few equals. While it will prove interesting and instructive to the many, it will greatly help forward that higher and scientific education which promises to be a distinguishing feature of our city.

The Art department continues to gain popularity, a popularity which is well deserved. The Sub-Committee maintain the high level of excellence which has always characterised their Autumn

Exhibition, and their purchases of works for the permanent gallery, though they have been criticised, have on the whole been very judicious, with the result that our permanent collection is not only popular but it is one of the best examples of the art work of the last twenty-five years in the country, and more than this it does not claim to be. The works of the old masters and of the old English School are placed out of the reach of the Committee by the conditions which attach to the Autumn Exhibition from which the funds for the purchase of pictures are obtained.

WILLIAM B. FORWOOD,
CHAIRMAN.

THE MUSEUMS.

The Director of Museums furnishes the Fifty-fourth Annual Report upon the CONDUCT and PROGRESS of the Museums.

I.—GENERAL.

THE FREE PUBLIC MUSEUMS comprise:—

(A) the LORD DERBY MUSEUM, of which the nucleus was the collections bequeathed in 1851 to the City, by the Thirteenth Earl of Derby. It contains both the *Local Area* and the *Systematic* Zoological, Geological, Mineralogical, and Botanical Departments, and in addition an *Aquarium*, containing both Fresh and Salt Water Animals, Amphibians and Reptiles.

(B) the MAYER MUSEUM, the larger part of which was collected and presented to the Corporation in 1867, by Joseph Mayer, Esq., F.S.A. These collections are specially rich in (*a*) *Egyptian, Babylonian, and Assyrian Antiquities;* (*b*) *Mediæval European Ivories, Bronzes and Illuminated Manuscripts;* (*c*) the unrivalled *Brian-Faussett Anglo-Saxon Collection;* (*d*) the *Mather Miniatures;* and (*e*) the very important *Pottery Collections*, conspicuously rich in Wedgwood and Old Liverpool Wares, arranged now in the section devoted to the handiwork of the *Caucasian* race. Associated with this Museum, as belonging to the subjects illustrated by it, though not forming to any large extent part of the Mayer Bequest, are (*f*) the collections illustrating the ethnography of the *Mongolian* and *Melanian* races.

The building, in which these collections are housed, was erected at the cost of the late Sir William Brown, in October, 1860.

The Exhibition Galleries are open free to the public, as under:—

During January, November, and December ..	from	10	to 4
„ February	„	10	to 4-30
„ March and October	„	10	to 5
„ April to September	„	10	to 6
Also on Monday *Evenings* during January to March, and October to December ...	„	7	to 10

The Museums are closed on Sundays and Fridays (except the Fridays of Whit-, Easter- and Christmas Weeks) throughout the year, as well as on Christmas Day, and days of Public Fast and Thanksgiving.

The Museums were represented by the Director of Museums at the International Anthropological Congress held at Monaco in April; and by the Assistant Curator of the Lord Derby Museum at the Museums Association, held at Bristol in July.

Since 1896, a period of eleven years, 68,742 specimens of Natural History and 10,163 specimens of Ethnography, totalling close upon 80,000 specimens, have been added to the collection, or on an average over 7,000 additions per year.

A General Guide to the collections in the Museums was issued in October, while Departmental Guides to the Mammalia, the Mollusca, the Egyptian and the Pottery collections are in preparation.

The new Galleries were formally opened on the evening of Friday, October 19th, by the Earl of Derby, K.G., in the presence of some 1,700 guests, amongst whom were members of the University and many of Liverpool's most distinguished citizens, as well as representatives from other museums. Of the latter may be mentioned Dr. Hoyle, Manchester, Dr. Hartert, Tring, and Mr. Charles E. Fagan, of the British Museum. The guests were received by Sir William B. Forwood (Chairman of the Library, Museums and Art Committee) and Lady Forwood in the Art Gallery, and a procession, preceded by the Corporation Regalia, passed through the new galleries to the platform erected in the Lower Gallery. The Lord Mayor presided. Dr. Permewan (Chairman of the Museums Sub-Committee), gave the following address:—

"My first duty and pleasure is to extend to all visitors here to-night our warmest welcome. To the representatives of other Museums, of the University, of the Schools, and of the Learned Societies I offer, on behalf of my colleagues and myself, our most grateful thanks for their presence, and our most sincere hope that there may be established between us and them a tie of mutual

interest and support, without which, we, at any rate, cannot hope to attain the object with which this great institution was founded and maintained, and has now been extended and enlarged. That object is, first, the demonstration of what science has already attained, and secondly, the extension of the bounds of knowledge in the future. The interest and support of the inhabitants in general is essential to us, the sinews of war are indispensable, and we are not without a hope that by showing you what has been done with your money you will recognise that it has been spent to the best of our ability, at any rate, with the object of awakening the intelligence and arresting the attention of the great mass of the people. I do not propose to weary you with a description of this great Museum. It has been described in a recent report by Dr. Meyer, Director of the Museum of Dresden—I am quoting his actual words—as 'next to London, the most comprehensive, and in all respects one of the best in Great Britain.' There could be no higher authority, and, I venture to think, no higher praise. But indeed, you have only to look around you; '*Si monumentum requiris, circumspice.*' My business to-night is otherwise. I want in a very few words –I am limited to a very few minutes—to indicate why it is we have a Museum at all, and what its use and object is. I regret that one of the Masters of Science whom we have expected is not here to speak with his own authority on the point. We had hoped to have had the advantage of the knowledge and experience of Professor Ray Lankester, Director of the National Museum of South Kensington, to instruct and charm us: and for myself, as an old pupil of his, I had hoped to sit again at his feet and drink in the magic of his rare lucidity and strength. He is not with us: and you must bear with me if I give you, not my own ideas merely, but the collected views of those who know what museums are, what they should be, and what they are for.

"The object, as I understand, of large museums like our own is two-fold. First—I shall give it you with, as far as possible, the very words of authority 'to serve the needs of the general public through the display of attractive exhibits, well planned, complete and thoroughly described: and thus to stimulate and broaden the minds of those who are not engaged in scholarly research, and to

draw them to the public library, and the lecture room.' This object you will, I think, admit that we may fairly claim to serve. I cannot imagine any man or woman, or even child, wandering even casually through these halls without his interest being aroused, his curiosity being stimulated, his mind made to work. But to arouse that interest usefully, arrangement and organisation are essential.

'It is not,' says Sir William Flower, 'the objects placed in a museum that constitute its value, so much as the method in which they are displayed, and the use made of them.'

"As to that, I can only say that the wide scientific knowledge of our Director, Dr. Forbes, has led here to a system of arrangement at once popular and educational. But the Museum should do more than merely interest and amuse. It should aid in the advancement of learning, by affording to men of learning material for investigation, laboratories and appliances. It should 'stimulate original research in connection with its own collections, and publish its results.' It should preserve for future study material on which studies have been made in the past, in order that those results may be confirmed, corrected, or modified.

"It should be an adjunct to the class room and the lecture room, by placing at the disposal of teachers, whether of elementary, technical, or higher education, materials and opportunities for the illustration of their work, and it should aid the occasional enquirer, be he labouring man, school boy, journalist, public speaker or savant, to obtain without cost exact information on any subject relating to the scope of the institution. A museum should be, as it were, to science what illustrations are to a book: this museum should furnish illustrations to the great book of nature and of man.

"One word more and I have done. The great Natural History Museum of Berlin adjoins the Zoological department of the University. I could wish there were the same proximity in Liverpool. But if there is physical separation, let there at least be organic union between the University on the one hand, and this magnificent range of institutions on the other. For ourselves, I can only say that we look eagerly to the time when this Museum shall be regarded, not as a

mere storehouse of material more or less of interest, but as a part, and important part, of that grand fabric of Education for which Liverpool is justly famous, and of which she is justly proud. And to those workers in science, of whom there are so many in Liverpool, and whose representatives we have here to-night, I would say that we are anxious to afford you material for your study and for your research, and that the resources of this Museum are freely open to you all. It is only by the co-operation of all interested in the spread of scientific truth that we shall get what we hope to get—the best results from the money and the labour that has been expended in establishing this great Institution.

"My Lord Mayor, this building was begun in 1898; it is not finished yet, and I hope it never will be finished. 'A finished museum,' says Professor Goode, 'is a dead museum, and a dead museum is a useless museum.' 'When museums cease to grow they begin to decay.' I trust the Museum may never cease to grow, but that it may continue year by year, affording better means of recreation to the people of this city, and of the world, and ever, year by year, attaining to closer co-operation with those who are striving to improve the education of the people, and to extend the bounds of knowledge."

The following address, contained in a silver casket, was presented to Lord Derby:—

"The Liverpool Library, Museums and Art Committee have invited your Lordship to honour them by opening the New Galleries which they have added to the Museum buildings, and in doing so they seek to continue the happy association which has for so many centuries existed between the House of Stanley and the public institutions of Liverpool, and which has nowhere been more intimate than in connection with this Museum.

"The Lord Derby Museum commemorates in its name your distinguished predecessor the XIIIth Earl of Derby, in whose world-famed zoological collection, bequeathed to the town in 1851, it had its origin. This Collection will always hold a distinguished place among zoologists, as it contains amongst its treasures the numerous

unique and typical species procured by Lord Derby's collectors in many regions of the globe then quite unexplored. It also possesses the historical series of birds collected in the Pacific Islands during the great voyage of the illustrious Captain Cook, as well as those obtained by Sir Joseph Hooker during Sir James Ross's Antarctic expedition in the years 1839-43.

"All these formed part of Lord Derby's rich bequest, for whose reception the original building was erected in 1856 by the generosity of the late Sir William Brown, Bart.

"This splendid Natural History Museum has continued from year to year to receive large accessions through the kindness of the sons of Liverpool resident or travelling abroad, also from the Officers of our Mercantile Marine, as well as by purchase.

"The accumulation of these valuable specimens demanded increased space for their exhibition, and the Corporation has therefore erected these spacious galleries.

"Our Director, Dr. Forbes, while he has arranged the general collection for the benefit of the student of science and the specialist, has also displayed a considerable section in a more popular form which will attract and prove instructive to the general public, and will, we hope, result in awaking a greater interest in the study of Nature.

"The Committee are gratified that they have been able to more closely associate with them representatives of the University, and they hope that the Museums may prove of much value in assisting and advancing the work of that Institution.

"The Museums now opened contain the largest and most complete Natural History and Ethnographical Collections in the Provinces, and the Committee venture to hope that they will not only prove entertaining and interesting, but will contribute to that higher education which the country has determined shall be placed within the reach of all."

Lord Derby then formally declared the Galleries open, and in the course of an interesting speech referred to the long personal connection of the House of Stanley with Liverpool, and with the Natural History Collection of the Museum in particular.

II.—Visitors.

The following table shows the total number of visitors to the Museums during the year compared with that of the year 1905:—

	1905. (262 Days.)	1906. (263 Days.)
Total Visitors	481,746 ...	453,328
Weekly Average	9,264 ...	8,717
Daily Average	1,838 ...	1,723

The attendance of school children under the charge of teachers has nearly doubled, close upon 4,000 children and 170 teachers having availed themselves of the clause in the Education Code, whereby time devoted to instruction in Museums reckons as school attendance. School teachers are making increased use of the Museum theatre to give special lessons to their pupils—specimens being brought from the Museum cases for illustrating them. Such a course is found to be of greater educational value than merely a general visit with no specific object. Occasional lectures and demonstrations have been given by members of the Staff, on arrangement having previously been made by the teachers with the Director.

During the latter part of the year the lectures to the Pupil Teachers attending the Training College in Clarence Street were resumed, and associated with them were those of the Church of England College in Colquitt Street, lectures being given by the staff to the senior and junior students on alternate Fridays. The average attendance was 225.

Persons desirous of employing the Museums for the purpose of research, reference or sketching may, by application to the Director, and on giving satisfactory references, obtain tickets enabling them to enter on Fridays, when special facilities are afforded to students.

Tickets were issued, as usual, during the year (chiefly) to Artists, of whom a much larger number than heretofore have availed themselves of the advantages the Museum collections afford, and to Students of Natural History, Osteology and Dental Anatomy, who have made extensive use of the collections, mainly on the days when the Museums were closed to the public. This privilege was made use of by students on upwards of 700 different occasions during the year. The pupils studying at the Liverpool School of Art attend in a body, regularly once a week.

The following, among others, have visited the Museums during the year for the purpose of inspecting the collections or other special object:—Professor Boyd Dawkins, F.R.S., Manchester; Colonel Elwes, F.R.S.; R. I. Pocock, of the Zoological Society, Regent's Park, London; Dr. Charles F. Millspaugh, Curator, Department of Botany, Field Columbian Museum, Chicago, U.S.A.; Count Mutsu, Japanese Charge d'Affaires, Embassy, London; P. E. J. Hemelryk, Japanese Consul, Liverpool; Ernest Breffit; E. Durant Greville, Mentone; Dr. Hoyle, Manchester; Professor Sayce; Professor Haddon, F.R.S.; Gerrit S. Miller, Jr., U.S. National Museum, Washington; Dr. Elliot Smith, F.R.S., Cairo; E. P. Thompson, Whitchurch; Dr. Arkle; His Excellency Lord Raglan, Governor of the Isle of Man; Herbert C. Winloch; Dr. E. Hartert, Director, Zoological Museum, Tring; C. E. Fagan, British Museum; Rev. Dr. Jessop, Canon of Norwich; F. G. Bridgman; Sir William MacEwen, F.R.S., Glasgow; and R. J. Ussher, Waterford.

The Director would beg to draw renewed attention to the utter inadequacy of the staff to carry on efficiently the work of Museums so large as the Lord Derby and Mayer have now become.

III.—Lectures.

Twenty-four lectures were delivered by members of the Staff on Monday evenings, in the Lecture Theatre of the Museums. They were illustrated by specimens from the Museums and by lantern slides.

The following is a list of the subjects:—

A course of four Lectures on "Natural History Rambles" was given by Mr. W. S. Laverock, M.A., B.Sc.:—

Jan. 8th and 15th—"In a Garden in Winter."

Jan. 22nd—"Amongst our Christmas Decorations."

Jan. 29th—"Amongst our Frogs and Toads."

A course of five Lectures on "The Mongolian Race in Asia and Europe, and its place in the History of Civilization" was given on February 5th, 12th, 19th, 26th, and March 5th, by Dr. H. O. Forbes, Director of Museums.

A course of three Lectures on "Natural History Talks" was given by Mr. Joseph A. Clubb, M.Sc., Assistant Curator of the Lord Derby Museum:—

March 12th—"Some strange Life-histories."

March 19th—"Animal Messmates and Parasites."

March 26th—"The Influence of Environment on the Structure of Animals."

And also a course of four Lectures on "Animal Life of the Sea" on October 8th, 15th, 22nd, and 29th.

A course of four Lectures on "The Art of the Old English Potter" was given by Mr. P. Entwistle, Assistant Curator of the Mayer Museum:—

Nov. 5th—"Early British Pottery."

Nov. 12th—"Slip, Delft and Stone Wares."

Nov. 19th—"Wedgwood and his Contemporaries."

Nov. 26th—"The Liverpool Potteries."

A course of four Lectures on "The European Peoples: their origin and dispersion," was given on December 3rd, 10th, 17th, and 31st, by the Director of Museums.

A. LORD DERBY MUSEUM.

Zoological Department.

(*a*) General.

Several dredging excursions have been undertaken during the year to the estuary of the Mersey and the Irish Sea, for the purpose of obtaining specimens for the Local Collection of Marine Fauna. Through the kindness of the Sanitary Sub-Committee, the City Engineer's Department gave permission for the Director to occasionally place members of the staff on board the "Beta," when on its periodic visits to the "Deposit Grounds," near the North-West Lightship. This vessel has been utilised also for the purpose of bringing fresh seawater from beyond the North-West Lightship for supplying the Aquarium. The thanks of the Committee are due to Captain Griffiths for his most willing help and courtesy during the trips on which the officers have accompanied him, and also for so frequently bringing in objects of interest to the Museum which have fallen in his way on other occasions.

The Science Cabinets, containing properly identified and labelled specimens on selected subjects, have been distributed to the various Elementary Schools in the City as in former years; applications have also become more numerous for specimens for object lessons (mainly Natural History), and for the series of Technical Appliances on loan from the Museums. The increase in the applications for Museum specimens has necessitated considerable additions to the loan collections. This educational feature, which has for its purpose the promotion of scientific teaching throughout the City, is being more and more appreciated. Numerous applications, as has been stated in previous Reports, continue to be made to the Director by educational authorities, not only in England, but in America and Australia, for information as to the working of the system.

In the Local Area Gallery continued progress has been made during the past year with its re-arrangement and in the mounting of specimens of the Local Fauna. The following bird-groups have been prepared and added to the exhibited series during the year:—

Coot, Wood Pecker, Wood Pigeon, Buzzards, Rock-Pipit, Meadow-Pipit, Tree-Pipit, Sky-lark, Hedge Sparrow, Linnet, Twite, Redpoll, Greenfinch, Bullfinch, Chaffinch, Cuckoo in Wagtail's nest, Cuckoo in Hedge Accentor's nest, Hawfinch, Garden Warbler, Spotted Flycatcher, Great Tit, Blue Tit, Marsh Tit, Coal Tit, Gold Crest, Long-tailed Tit, and Wren, and have attracted the attention of visitors. The collection of British Birds' Eggs arranged and placed in the open gallery, in a cabinet with glazed and "stopped" drawers, so as to be easily and conveniently consulted by visitors at all times, without application to the Staff, continues to be largely consulted, especially by those studying and collecting Birds' Eggs.

A number of Fishes for the Local Collection have been prepared, both as preserved specimens and as plaster or *papier-mache* casts, and have been placed on exhibition. Dredging excursions to obtain fresh specimens of fishes and other marine forms have been continued, and many specimens have been fixed and preserved.

The collection of Local Butterflies and Moths has been re-set in a new upright case of special design, whereby close inspection of the specimens is rendered possible. It is pleasing to add that the fullest advantage is being taken of it by those interested in that branch of Entomology.

To the Upper Gallery, where the systematic collections are arranged, many additions have been made. The following Heads and Skulls have been re-set and mounted on the walls of the gallery in relation with the cases containing their nearest allies:—American Bison, Kudu Antelope, Reed Buck, Moose, Water Buck, Gemsbok, Chiru and Ollen Stag. A series of skulls with antlers, of various deer, illustrating the growth of antlers from the "velvet," with descriptive labels, has also been added. The general labelling of the cases and of their contents has also been proceeded with as rapidly as it could be undertaken by the printer. During the year progress has been made in placing on exhibition further specimens of Fishes. Many casts have been prepared, and a large number of the better stuffed specimens have been re-prepared and coloured; but, as previously remarked, it will be a considerable time before a

really good collection, properly preserved and mounted for exhibition, can be accumulated. The case of Reptiles has been revised. Several specimens have been re-cast and mounted, and additional specimens have been placed on exhibition.

The plan adopted in the Vertebrate groups has been followed in the arrangement of the Mollusca. Examples of the main genera of each of the families have alone been placed on view, so that the classification of the group may be more easily grasped by the student without his being over-burdened by a plethora of species. The bulk of the collection—one of the most complete in England—has been relegated to a study series, meantime arranged in drawers beneath the exhibited series, but which will, the Director hopes, in due course be arranged in glass-covered, "stopped" drawers, so as to be always accessible to the specialist, without loss of time to him and without the necessity of intruding upon the time and services of an assistant.

In the carpenters' shops, in addition to the ordinary repairs and fittings, twenty-two exhibition cases have been made—nineteen to accommodate British Bird groups with natural surroundings, and one double-case for British Lepidoptera for the Local Area collection, and two cases for African Ethnology in the Mayer Basement. All case fittings, many stands, platforms for the opening ceremony in October, as well as a large number of miscellaneous devices for the exhibition of specimens have also been devised and constructed.

(*b*) Conservation.

All the collections on exhibition have, so far as pressure on the staff has permitted, been periodically examined, dusted and kept free from moth or other pest. The store cabinets and tanks, containing specimens preserved both in fluid and dry preparations, have also been systematically gone over for the purpose of renewing the spirit or other preservative.

The collection of British Birds placed in the cases of the Entrance Hall of the Calderstones House have been examined from time to time, cleaned, and attended to by the taxidermist.

Two taxidermists have continued during part of the year the very urgent work of reducing to flat skins (for placing in the study cabinets and for their proper conservation) the vast number of specimens, both of mammals and of birds, remaining over after the representative generic series had been selected for exhibition. The mammals have now been completed, but several thousands of bird specimens still remain awaiting their turn. The work has proceeded so far that one of the two galleries which it is necessary now to use as storerooms for them, will soon be available for re-arrangement. The number of skins reduced during the year amounts to 1,467.

(*c*) Loans.

The following loans of Museum specimens for purposes of scientific investigation were made during the year:—

Fourteen species of Birds (9 *Cinclus*, 5 *Hydrobata*); lent to Dr. Bowdler Sharpe, British Museum.

Specimens of Birds (type species and others) representing the following genera:—*Falco*, *Dicrocercus*, *Phylloscopus*, *Lynmobœnus* and *Zapomia*; lent to Dr. E. Hartert, Tring Museum.

Thirteen preparations of Anthropoid Brains; lent to Dr. Wolfenden, Department of Anatomy, University of Liverpool.

Specimen of *Anthus Spinoletta*; lent to Mr. Howard Saunders, c/o Dr. R. B. Sharpe, British Museum, for exhibition at the B. O. C.

Nine lantern slides of Cetaceans, for lecture purposes; lent to Mr. Wm. Taylor, Elgin.

Five lantern slides of Marine Animals, for lecture purposes; lent to Mr. Lewis Jones, Hilbre Island.

(*d*) Presents.

Among the donations with which the Museum collections have been enriched, the following deserve special mention :--

A large collection of Natural History specimens, containing numerous Birds' Eggs, Shells, Insects, Fossils, Minerals and Botanical specimens, collected by the late Donald Cameron, M.A., LL.D., and presented by Mr. John Cameron, 5, Fenwick Street, Liverpool.

Living specimens of West African Walking Fish (*Periophthalmus koelreuteri*) and Mud-fish (*Protopterus annectens*), and other specimens, presented by and through Mr. A. Ridyard, s.s. "Addah."

A collection of Fossils, Minerals, Rocks, Shells and Botanical specimens, presented by Miss Clare, "Holmeleigh," Hoylake.

Specimens of rocks containing remains of the Fossil Fish (*Asterolepis maxima*), from the Old Red Sandstone, Nairn; presented by Mr. Wm. Taylor, Lhanbryde, Elgin.

Four specimens of rare Fishes, presented by Messrs. Harley and Miller, St. John's Market.

Fossiliferous Rocks with remains of *Parciosaurus*, &c., and Minerals, from Cape Colony, presented by Mr. W. T. T. MacMuldrow, Cape Town, late of the Electric Department, Liverpool Corporation.

(*e*) Exchanges.

A number of living specimens of the American King Crab (*Limulus polyphemus*) received from Dr. H. C. Bumpus, Natural History Museum, New York, in exchange for two Mud-blocks of the West African Mud-fish (*Protopterus annectens*).

A small collection of Nudibranchs, principally from East Africa, received from Sir Charles Eliot, Bart., Vice-Chancellor of the University of Sheffield, in exchange for other duplicate specimens of Nudibranchs.

(*f*) Acquisitions.

INVERTEBRATES—

Porifera.

Sponge (*Euplectella aspergillum*) and specimen of Choanite (*indet.*) (D. 7. 3. 06. 3 and 143); collected by the late J. F. Leigh Clare, Esq., and presented by the Misses Clare, "Homeleigh," King's Gap, Hoylake.

Sponge (*indet.*) (D. 31. 12. 06. 1); part of the general collections made by the late Donald Cameron, M.A., LL.D., presented by Mr. Donald Cameron, 5, Fenwick Street, Liverpool.

Cœlenterata.

Eight pieces of Coral (*indet.*), fragment of Coral (*Caryophyllia smithii*), one Hydrocoralline (*Millepora alcicornis*), fragments of Coral (*Madrepora sp. Favosites gothlandica*) and specimen of Graptolite (*indet.*) (D. 7. 3. 06. 1, 7, 8, 139-142); collected by the late J. F. Leigh Clare, Esq., and presented by the Misses Clare, "Holmeleigh," King's Gap, Hoylake.

A number of Marine specimens containing *Tubularia indivisa*, *Garveia nutans*, *Aurelia aurita* and *Chrysaora isosceles* (D. 10. 5. 06. 4 and 5 and 9. 6. 06. 1-2), from Hilbre Island; collected by the Assistant Curator and the Laboratory Assistant.

Sea Anemone (*Urticina crassicornis*), colony of *Alcyonium*, young *Actinoloba dianthus* and a living Coral (*Balanophyllia regia*) (D. 11. 9. 06. 1, 3, 4 and 5); received in exchange from Dr. J. H. O'Connell, 38, Heathfield Road, Wavertree, Liverpool.

Large Coral (*Madrepora corymbosa*) (D. 21. 12. 06. 1), from Suakin, Red Sea; purchased.

Two pieces of Coral (*indet.*) (D. 31. 12. 06. 2 and 3); part of the general collections made by the late Donald Cameron, M.A., LL.D., presented by Mr. John Cameron, 5, Fenwick Street, Liverpool.

A transverse and a vertical section of *Syringopora*, section of *Lithostrotion* and section of Limestone (D. 14. 4. 05. 1-5); purchased. (Omitted from 1905 Report.)

Echinoderma.

Four Sea-Urchins (*indet.*) (D. 7. 3. 06. 4-4); collected by the late J. F. Leigh Clare, Esq., and presented by the Misses Clare, "Holmeleigh," King's Gap, Hoylake.

Brachiopoda.

A number of Brachiopods, including the following:—*Spirifera trapezoides*, *Atrypa reticularis*, *Lingula Lewisii*, *Terebratula punctata*, *T. dilatata*, *T. biplicata*, *Rhynchonella tetrahedra*, *R. concinna*, *R. Wilsoni*, *Strophomena tenuistriata*, *Leptaena funiculata* and *Pentamerus galeatus*, from various British localities (D. 7. 3. 06. 1-104); collected by the late J. F. Leigh Clare, Esq., and presented by the Misses Clare, "Holmeleigh," King's Gap, Hoylake.

Arthropoda.

Crustacea.

Six adult King Crabs (*Limulus polyphemus*) and a number of young, living (D. 10. 9. 06. 1), from the Atlantic Coast of America; received in exchange from Dr. H. C. Bumpus, Director of the American Museum of Natural History, New York.

Specimen of *Phacops longicaudatus* (D. 7. 3. 06. 104); presented by the Misses Clare, Hoylake.

Tracheata.

Two Spiders (*indet.*) (D. 19. 1. 06. 1), from Ahghego, West Africa, presented by Messrs. J. W. D. Roche & Co., 15, Goree Piazzas, Liverpool.

Sixteen Beetles (*indet.*) (D. 22. 2. 06. 1-4), from the Gold Coast, West Africa; presented by F. T. H. Behn, Esq., 10, Pall Mall, Liverpool.

Two Beetles (*indet.*) (D. 23. 2. 06. 2 and 19. 12. 06. 3), from Koko Town, Benin, W. Africa; collected and presented by Mr. A. Ridyard, Chief Engineer, s.s. "Addah."

Moth (*indet.*) (D. 23. 2. 06. 1), from Axim, W. Africa; presented by the Hon. J. P. Brown, Intin Street, Cape Coast Castle, W. Africa, per Mr. Ridyard.

Centipede (*indet.*) (D. 23. 2. 06. 3), from Opo, Qua Ebo, S. Nigeria; presented by Dr. D. A. Kearns, per Mr. Ridyard.

Three Larvæ (*indet.*) and a Centipede (*indet.*) (D. 14. 3. 06. 1-3), from timber at the Liverpool Docks; collected and presented by Mr. W. Swan, 10, Viola Street, Bootle.

Bell Nest of Spider (*Agræca sp.*) on Fir tree twig (D. 23. 5. 06. 1), from Wickham, Surrey. (Found to be unregistered and now referred to this date.)

Small box containing Models illustrating the life history of the Colorado Beetle (D. 24. 5. 06. 1). (Found to be unregistered and now referred to this date.)

Queen Ant (*indet.*) and two Nests of Ants (*indet.*) (D. 25. 5. 06. 1-3), from Degama, New Calabar; collected and presented by Mr. L. Henderson, Chief Officer, s.s. "Addah," per Mr. Ridyard.

Cricket (*indet.*) (D. 25. 5. 06. 4), found among mud-blocks from West Africa.

Dragon Fly (*Æschna grandis*) (D. 29. 6. 06. 1), from Ruthin, North Wales; collected and presented by Mr. Walpole, 86, Canterbury Street, Liverpool.

Dragon Fly (*Æschna grandis*) (D. 28. 7. 06. 1), captured in a dwelling-house; collected and presented by Mr. A. Skilling, 26, Leadenhall Street, Liverpool.

Dragon Fly (*Æschna grandis*) (D. 17. 7. 06. 1), captured in Lambert Street; collected and presented by Mrs. Helena Grundy, 15, Lambert Street, Liverpool.

Two Beetles (*indet.*) (D. 26. 8. 06. 1), from Java; presented by Captain L. M. Beavan, s.s. "Ulysses," 12, Kinross Road, Waterloo.

Forty-three specimens of Insects representative of the following orders:—Hymenoptera, Hemiptera, Orthoptera, Coleoptera and Arachnida (D. 3. 9. 06. 1, etc.), from Fernando Po; collected and presented by Lieut. F. O. Simpson, R.N., 47, Berkley Street, Liverpool.

Beetle (*indet.*) (D. 10. 9. 06. 1), from Degama, Southern Nigeria, West Africa; collected and presented by Mr. A. Ridyard, s.s. "Addah."

Millipede (*indet.*) (D. 19. 9. 06. 1), from Cape Coast Castle, West Africa; presented by Mr. Clark, 42, Mount Vernon Road, Liverpool.

Spider (*indet.*) (D. 6. 10. 06. 1), from Storeton; collected and presented by Mr. J. Moffat, 113, Conway Street, Birkenhead.

Stag Beetle (*Lucanus cervus*) (D. 10. 10. 06. 1), from Woking; collected and presented by Mr. J. G. Stocker, Garrison School, 2nd King's Regiment, Knapphill, Surrey.

Cinnabar Moth (*Euchelia jacobaeae*) (D. 23. 10. 06. 1); collected and presented by Master Eric Hamilton, 92, Huskisson Street, Liverpool.

Six Parasites (4 *Trichopsylla pencilliger*, Rothsc. and 2 *Typhlopsylla agyrtes*, Rothsc.) of the Orkney Vole (*Microtus orcadensis*), from the Loans, near Stromness, Orkney; collected and presented by Mr. George Ellison, 4, Loudon Grove, Liverpool.

Two Butterflies (*Pyrameis atalanta* and *Vanessa urticæ*) (D. 13. 9. 06. 1 and 29. 10. 06. 1); collected in the Museums.

Wasp's Nest (*indet.*) (D. 1. 11. 06. 1), from Para, South America; presented by Mr. Christian, Keble Road, Bootle.

Termite (*Termes fatalis*) and Nest (D. 2. 11. 06. 1-1a), from South Africa; presented by Dr. Sibley Hicks, 2, Erskine Street, Liverpool.

Sample of Fresh-water Fauna, dried, and imported as Pheasant's Food (D. 23. 11. 06. 1), from Vera Cruz, Mexico; presented by Messrs. Laird & Adamson, C 9, Exchange Buildings, Liverpool.

Orthopterous Insect (*indet.*) (D. 5. 12. 06. 1), from the Burnet Watershed, Queensland, Australia; collected and presented by Mr. F. Power, 59, Townfield Lane, Liscard, Cheshire.

Four Beetles from Egwanga, West Africa, and fifteen Centipedes (*indet.*) from Cape Palmas (D. 19. 12. 06. 1-2); collected and presented by the Rev. S. D. Ferguson, Junr., Cape Palmas, Liberia.

Two Wood-boring Beetles (*indet.*) (D. 27. 12. 06. 1-1), found in wooden fan received from West Africa.

A collection of upwards of 1,000 Insects, chiefly representative of the orders Lepidotera, Coleoptera, Orthoptera and Neuroptera (D. 31. 12. 06. 4. etc.); part of the general collections of the late Donald Cameron, M.A., LL.D., presented by Mr. John Cameron, 5, Fenwick Street, Liverpool.

Mollusca.

Twelve drawers of Fossils, chiefly Mollusca (D. 12. 1. 06. 1, etc.), part of the Geological Collection of the late Mr. D. Clague; purchased.

Two internal shells of Cuttle-fish (*indet.*), six opercula of *Turbo sp.*, small collection of Shells consisting of upwards of 100 specimens representing the following genera: — *Cyprea*, *Oliva*, *Conus*, *Natica*, *Turritella*, *Ovula*, *Murex*, *Scala*, *Neritina*, *Mitra*, *Trochus*, *Bulla*, *Pinna*, *Pecten*, *Hippopus* *Circe*, *Chione* and *Solen*; small collection of Ammonites, Belemites and other Fossils, including *Gryphaea incurva*, *G. virgula*, *Ostrea meadii*, *O. sp.*, *Diploceras sp.*, *Grevillea lanceolata*, *Trigonia sp.*, *Modiola cuneata*, *Plicatula pectinoides*, *Nucula ovum*, *Succinea elongata*, *Avicula gryphaeoides*, *Terebra portlandica*, *Dentalium*, *sp.*, *Pleurotomaria sp.* and *Rostellaria lucida*, from various British localities (D. 7. 3. 06. 1 etc.); presented by the Misses Clare, Hoylake.

Two Shells (*Haliotis sp.*) (D. 29. 3. 06. 1), from Las Palmas; presented by Mr. Robert Powell.

Twelve Nudibranchs (*Phyllidia varicosa* (Lam.), *P. nobilis* (Bergh.), *Asteronotus hemprichi* (Ehrenb.), *Ceratostoma corniferum* (Adams), *Platydoris scabra* (Cuvier), *Hexabranchus marginatus* (Q. & G.), *Doridopsis nigra* (Stimpson), *Chromodoris sykesi* (Eliot), *Bornella digitata* (Adams & Reeve) (D. 2. 5. 06. 1-9), from British East Africa; presented by Sir Charles Eliot, Vice-Chancellor, University of Sheffield.

Sea Slugs (*Dendronotus arborescens*, *Eolis coronata* and *E. rufibranchialis*), from Hilbre Island (D. 10. 5. 06. 1-3 and 9. 6. 06. 3); collected by the Assistant Curator and Laboratory Assistant.

Beak of Octopus (*indet.*) (D. 26. 6. 06. 1); presented by Mr. J. Edwards, 4, Westbourne Road, West Kirby.

Cuttlefish (*Rossia macrosoma*), from Rock Ferry, and Cuttlefish (*Sepiola atlantica*), from Fleetwood (D. 24. 8. 06. 1 and 2); purchased. (Found to be unregistered and now referred to this date.)

Shell and Animal of *Pinna sp.* (D. 12. 9. 06. 1), from the Estuary of the Mersey; collected and presented by Mr. J. Birch, 226, Falkner Street, Liverpool.

Land Snail (*Arion empiricorum*) (D. 18. 9. 06. 1), from Moreton, Cheshire; collected and presented by the Assistant Curator, Derby Museum.

Shell and Animal of *Buccinum undatum* (D. 18. 10. 06. 1), from Leasowe; collected and presented by the Laboratory Assistant.

Two Aplysias (*A. depilans*) (D. 16. 11. 06. 1), from Holyhead; collected and presented by Mr. P. W. Atkin, 25, Lord Street, Liverpool.

Fragment of Fossil Cephalopod (*indet.*) (D. 11. 12. 06. 1), from Miniota, Manitoba, Canada; presented by Mr. J. H. Chaplin, 12, St. Helen's Place, Bishopsgate, London.

Two Shells and Animals of *Pecten opercularis* (D. 29. 12. 06. 1); presented by Mr. J. Connely.

A large collection of Marine and Fresh-water Shells and Fossil Mollusca, numbering some 4,000 specimens; the following genera, among others, are represented: - *Cypraea*, *Nautilus*, *Oliva*, *Conus*, *Murex*, *Helix*, *Fusus*, *Cassis*, *Cardium*, *Mytilus*, *Unio* and *Pecten* (D. 31. 12. 06. 1005, etc.); part of the general collections of the late Donald Cameron, M.A., LL.D., presented by Mr. John Cameron, 5, Fenwick Street, Liverpool.

Section of nodule and seven nodules (5 polished, 2 unpolished) showing Goniatites, and an unpolished nodule showing cast of *Aviculopecten sp.* (D. 14. 4. 05. 6-14); purchased. (Omitted from 1905 Report.)

Tunicata.

Ascidian (*indet.*) (D. 11. 9. 06. 2), received in exchange from Dr. J. H. O'Connell, 38, Heathfield Road, Wavertree, Liverpool.

Three Ascidians (*indet.*) (D. 19. 10. 06. 1-2). (Found to be unregistered and now referred to this date.)

Fishes.

A number of drawings, diagrams, &c., of fossil Fishes, part of the Geological Collection of the late Mr. D. Clague (C. 12. 1. 06. 1, etc.); purchased.

Fossil Fish (*Belonostomus comptoni*) (C. 12. 1. 06. 1), from the Serra of Araripe, 450 miles west of Pernambuco, Brazil, 1,000 metres above sea level; presented by Mr. Wm. Blackburn, 28, Chapel Street, Liverpool.

Flounder (*Pleuronectes flesus*) with pigmented under surface (C. 14. 3. 06. 1), from the shore at Waterloo; collected and presented by D. H. Elliott, Esq., Canada Dock Quay, Liverpool.

Two Scabbard Fishes (*Lepidopus caudatus*) (C. 11. 4. 06. 1), from off Cape Finisterre; collected by Capt. Howlett, s.s. "Heasman," and presented by Messrs. Harley & Miller, St. John's Market, Liverpool.

Seven Mud Blocks containing Mud-fish (*Protopterus annectens*) (C. 24. 5. 06. 1), from McCarthy's Island, Gambia River, Bathurst, West Africa; a Fish (*indet.*) (C. 5. 9. 06. 1), from Axim, and one hundred and forty Walking Fish (*Periopthalmus koelreuteri*) (94 living, 46 in preservative), from Bathurst and Buguma, West Africa; collected and presented by Mr. A. Ridyard, Chief Engineer s.s. "Addah."

Twenty-seven Mud Fish (*Protopterus annectens*) (C. 24. 5. 06. 2), from McCarthy's Island, Gambia River, West Africa; collected and presented by F. Bissit Archer, Esq., Colonial Treasurer, Bathurst, West Africa, per Mr. A. Ridyard.

Two fossilized Shark's Teeth (*indet.*) (C. 25. 5. 06. 1). (Found to be unregistered and now referred to this date.)

Vertebra of Shark (*indet.*), two Fish Bones (*indet.*), eight Shark's Teeth (2 *Megalichthys Hibberti*, 2 *Lamna elegans*, 4 *Lamna sp.*) (C. 26. 5. 06. 1-5); collected by the late F. Leigh Clare, Esq., and presented by the Misses Clare, "Holmeleigh," King's Gap, Hoylake.

Six pieces of "Old Red" Sandstone containing fragments of Fossil Fish (*Asterolepis maxima*) (C. 1. 6. 06. 1), from Nairn, Scotland; collected and presented by Wm. Taylor, Esq., Lhanbryde, Elgin, Scotland.

Humantin (*Centrina salviani*) (C. 18. 6. 06. 1), from off the Blasquet Islands, S.W. Coast of Ireland, per Steam Trawler "Mabel"; collected by Capt. Brett, and presented by Messrs. Harley & Miller, St. John's Market, Liverpool.

Shark (*Scymnus lichia*) (C. 25. 7. 06. 1), from off the North Coast of Ireland; presented by Messrs. Harley & Miller, St. John's Market, Liverpool.

Three Scales of Tarpon (*Megalops atlanticus*) (C. 26. 6. 06. 1), from Sierra Leone, West Africa; presented by Master C. Savile, Dean Cottage, Princes Avenue, West Kirby.

Mounted Photograph (C. 1. 8. 06. 1), showing progressive stages of the development of the Salmon (*Salmo salar*), with description; prepared and presented by Mr. T. Sumner, 18, St. Catharine's Road, Bootle.

Red Band Fish (*Cephola rufescens*) (C. 20. 9. 06. 1), from off the South Coast of Ireland; presented by Mr. J. Ellis, 4, Park Street, Liverpool.

Young Salmon (*Salmo sp.*) (C. 28. 9. 06. 1), from Rock Ferry, River Mersey; presented by A. Litherland Jones, Esq., 119, The Albany, Old Hall Street, Liverpool.

Torpedo (*Torpedo nobiliana*) (C. 27. 11. 06. 1), from Carnarvon Bay; purchased.

Three 3-bearded Rocklings (*Onus tricirratus*) (C. 19. 12. 06. 1), from Carnarvon Bay; purchased.

Two Scales of Tarpon (*Megalops atlanticus*) (C. 21. 12. 06. 1), from the Coast of Florida; presented by Mr. Henry Whitty, Basnett Street, Liverpool.

Rostrum of Saw Fish (*indet.*) and Tail Fin of Shark (*indet.*) (C. 31. 12. 06. 1 and 2); part of the general collections made by the late Donald Cameron, M.A., LL.D., presented by Mr. John Cameron, 5, Fenwick Street, Liverpool.

Transverse Section and upper end of Fish Spine (*Gyracanthus*) (C. 14. 4. 05. 1); purchased. (Omitted from 1905 Report.)

Amphibia.

One Tree Frog (*Hyla arborea*), three Toads (*Bufo vulgaris* and *var.*) and two Salamanders (*Salamandra maculosa*) (C. 13. 9. 06. 1-3); received in exchange from Dr. O'Connell, 39, Heathfield Road, Wavertree, Liverpool.

Reptiles.

A number of Drawings and Reptilian Fossils, part of the Geological Collection of the late Mr. D. Clague (B. 12. 1. 06. 1 etc.): purchased.

Land Tortoise (*Testudo elegans*) (B. 19. 1. 06. 1), from Trincomalee, Ceylon; presented by Mr. Rupert Green, 5, Darrel Street, Liverpool.

Crocodile (*Osteolaemus tetraspis*) imm. (B. 22. 1. 06. 1); presented by Mr. Lemuel Cole, 121, Stanhope Street, Liverpool.

Python Skin (*indet.*) (B. 23. 2. 06. 1), from Anyasi Village, Opobo, Southern Nigeria, West Africa; presented by A. Mensah, Esq., per Mr. A. Ridyard, s.s. "Addah."

Chameleon (*Chamaeleon calcaratus*), from India; Lizard (*indet.*), Vertebra and 3 Teeth of *Ichthyosaurus* from the Wealden and Upper Lias, Northampton (B. 7. 3. 06. 1-5); collected by the late J. F. Leigh Clare, Esq., and presented by the Misses Clare, "Holmeleigh," King's Gap, Hoylake.

Viper (*indet.*) living (B. 24. 5. 06. 1), from Accra; collected and presented by Dr. J. Edward Mettle, Lutterodt Road, Accra, West Africa, per Mr. A. Ridyard, s.s. "Addah."

Four Crocodiles (*Osteolaemus tetraspis*), 3 living (B. 24. 5. 06. 2c), from Bonny, West Africa; presented by N. E. Halliley, Esq., Benledi, Southern Nigeria, West Africa, per Mr. A. Ridyard, s.s. "Addah."

Python Skin (*indet.*) and Crocodile Skin (*indet.*) (B. 24. 5. 06. 3 and 4), from Abonnema, New Calabar, West Africa; presented by J. T. Scott, Esq., per Mr. A. Ridyard.

Two Grass Snakes (*Tropidonotus natrix*) ♀ (B. 3. 7. 06. 1 and 11. 7. 06. 1), from Barmouth; collected and presented by Mr. R. L. Smith, 27, Kenyon Road, Wavertree, Liverpool.

Gavial (*Gavialis gangeticus*) (B. 20. 7. 06. 1), from the River Jumna, near Agra, India; collected and presented by James Monro Walker, Esq., Pell Wall, Market Drayton, Salop.

Two Blind-worms (*Anguis fragilis*) (B. 23. 8. 06. 1), from Gloucestershire; collected and presented by A. Greenfield, Esq., Yorkley, Lydney, Gloucestershire.

Lizard (*Agama colonorum*) (B. 24. 8. 06. 1.); collected and presented by A. Hubble, Esq., 105, St. James' Road, Waterloo.

Lizard (*Lacerta agilis*) (B. 31. 8. 06. 1), from Blundellsands; collected and presented by Mr. James Wright, 47, Beaufort Street, Liverpool.

Two snakes (*indet.*), one Python (*indet.*) and three Chameleons (*indet.*) (B. 3. 9. 06. 1-6), from Santa Isabel, Fernando Po; collected and presented by Lieut. F. O. Simpson, R.N., 47, Berkley Street, Liverpool.

Snake (*indet.*) (B. 6. 9. 06. 1); from the River Plate, S. America; collected and presented by Mr. John Fitzsimmons, 46, Elias Street, Liverpool.

A small collection of Reptiles containing *Gerrosaurus bilineata, Phrynosoma coronatum, Lacerta viridis, Homopus signatus, Testudo angulata, T. polyphemus, Chrysemys ornata, C. picta, C. scripta, Kachuga tectum, Cinnosternum pennsylvanicum, Clemmys caspica and Emys orbicularis.*

Iguana (*Tupinambis teguexin*) (B. 2. 10. 06. 1), from Rosario; presented by Mr. J. McNair, 19, Milman Road, Walton.

Lace Lizard (*Varanus varius*) (B. 9. 11. 06. 1). (Found to be unregistered and now referred to this date.)

Nine pieces of Rock containing fossilized remains of *Paricosaurus* (B. 16. 11. 06. 1-1h), from the Karoo, Cape Colony; collected and presented by Mr. W. G. T. MacMuldrow, P.O. Box 379, Cape Town, South Africa.

Snake (*indet.*) (B. 5. 12. 06. 1), from Wide Bay, Queensland, Australia; collected and presented by Mr. F. Power, 59, Townfield Lane, Liscard.

Lizard (*indet.*) (B. 19. 12. 06. 2), from Cape Palmas, Liberia; collected and presented by the Rev. S. D. Ferguson, Junr., Cape Palmas, per Mr. A. Ridyard.

Carapace of Tortoise (*indet.*), and Cast of Footprint of Cheirotherium (B. 31. 12. 06. 1 and 2); part of the general collections made by the late Donald Cameron, M.A., LL.D., presented by Mr. John Cameron, 5, Fenwick Street, Liverpool.

Birds.

Guillemot (*Larus canus*) ♂ (B. 27. 1. 06. 1), from Hoylake; presented by Miss J. Formby Bragg, 45, Alderley Road, Hoylake, Cheshire.

Wood Pigeon (*Columba palumbus*) (B. 1. 2. 06. 1); purchased.

Nest and Two Eggs of Golden-crested Wren (*Regulus cristatus*) (B. 2. 2. 06. 1), from Carmarthen; presented by Master B. P. H. Rowe, "Alscott," 38, Aigburth Road, Grassendale.

Summer Duck (*Æx sponsa*) ♂ (B. 7. 2. 06. 1), two Australian Lories (*Platycercus pallidiceps*) (B. 5. 3. 06. 1 and 31. 3. 06. 1), one Mandarin Duck (*Æx galericulata*) (B. 11. 6. 06. 1), one Sheldrake (*Tadorna cornuta*) (B. 17. 10. 06. 1), one Barnacle Goose (*Bernicla leucopsis*) (B. 1. 11. 06. 1), one White-breasted Parrot (*Caica melanocephala*) (B. 24. 11. 06. 1), from the Aviaries at Sefton Park; a Raven (*Corvus corax*) (B. 17. 2. 06. 1), and a Black Swan (*Chenopsis atrata*) (B. 20. 2. 06. 1), from the Aviaries at Newsham Park, and a Scops Owl (*Scops giu*) from the Aviary at the Botanic Gardens; presented by the Parks and Gardens Committee of the City Council, per the Superintendent.

One Greater Black-backed Gull (*Larus canus*) (B. 17. 3. 06. 1), one Black Guillemot (*Uria grylle*) (B. 30. 5. 06. 1), Nest of Long-tailed Tit (*Acredula rosea*) (B. 3. 8. 06. 1), from Anglesea, Short-eared Owl (*Asio brachyotus*) (B. 28. 11. 06. 1), and one Lesser Redpoll (*Linota rufescens*) ♂ (B. 29. 12. 06. 1): presented by Geo. Dickinson, Esq., 10, Water Street, Liverpool.

Egg of Guillemot (*Alca torda*); presented by the Misses Clare, "Holmeleigh," King's Gap, Hoylake.

Three Herring Gulls (*Larus argentatus*) imm. ♂ and ad. (B. 22. 3. 06. 1-3), from the Estuary of the Mersey; collected and presented by Capt. Griffith.

Albatross (*Diomedea exulans*) (B. 27. 3. 06. 1), from the Indian Ocean; collected and presented by Mr. Wade, 38, Chesnut Grove, Wavertree, Liverpool.

Nest of Hawfinch (*Coccothraustes vulgaris*) (B. 26. 6. 06. 1), from Etruria; collected and presented by W. G. Cowlishaw, Esq., Etruria, Stoke-on-Trent.

Clutch of Five Eggs of Magpie (*Pica rustica*) (B. 23. 7. 06. 1); presented by O. Greig, Esq., 84, Liverpool Road, Birkdale.

Buffon's Skua (*Stercorarius parasiticus*) (B. 28. 8. 06. 1); presented by W. S. Higgin, Esq., The Tower, Freshfield.

Egg of Magpie (*Pica rustica*), and Egg of Cuckoo (*Cuculus canorus*) (B. 3. 9. 06. 1 and 2); presented by F. Huxley, Esq., Astwood Park, near Redditch.

Bird (*indet.*) (B. 5. 9. 06. 1), from off Little Popo, Togoland, West Africa, and Bird (*indet.*) (B. 19. 12. 06. 1), from 500 miles off Teneriffe; collected and presented by A. Ridyard, Esq., Chief Engineer, s.s. "Addah."

Pelican (*Pelecanus onocrotalus*) (B. 12. 11. 06. 1); purchased.

Two Barn Owls (*Strix flammea*) (B. 13. 11. 06. 1); presented by R. Singlehurst, Esq., 16, Aigburth Hall Road, Aigburth.

Photographic enlargement of Snipe (*Gallinago cælestis*) on Nest (B. 16. 11. 06. 1); photographed and presented by Dr. Francis Heatherly, "Endellion," Rock Ferry, Cheshire.

Two Eggs of Richardson's Skua (*Stercorarius crepidatus*) (B. 11. 12. 06. 1), from the Shetland Islands; presented by Master Eric Hamilton, 92, Huskisson Street, Liverpool.

Collection of 435 Birds' Eggs (B. 31. 12. 06. 1 etc.), representative of the following species:—Sparrow Hawk, Kestrel, Barn Owl, Spotted Flycatcher, Dipper, Missel and Song Thrush, Blackbird, Hedge Sparrow, Robin, Nightingale, Redstart, Stonechat, Wheatear, Whitethroat, Sedge Warbler, Reed Warbler, Lesser Whitethroat, Wood Wren, Willow Wren, Chiff-chaff, Goldcrest, Great Tit, Blue Tit, Coal Tit, Pied Wagtail, Yellow Wagtail, Green Wagtail, Tree Pipit, Skylark, Reed Bunting, Yellow Bunting, Brambling, Chaffinch, House Sparrow, Greenfinch, Linnet, Starling, Carrion Crow, Hooded Crow, Rook, Jackdaw, Magpie, Jay, Green Woodpecker, Wryneck, Cuckoo, Swallow, Swift, Ring Dove, Stock Dove, Rock Dove, Pheasant, Partridge, Red-legged Partridge, Quail, Lapwing, Redshank, Sandpiper, Snipe, Black-tailed Godwit, Curlew, Water Rail, Land Rail, Moorhen, Coot, Wild Duck, Razorbill, Guillemot, Arctic Tern, Black Tern, Black-headed Gull, Lesser Tern, Swan, Eider Duck, Goose, Ringed Plover, Turkey, Great Black-backed Gull, Herring Gull, Fulmar Petrel, Manx Shearwater, Kittiwake Gull, Guinea Fowl, and Scoter; part of the general collections of the late Donald Cameron, M.A., LL.D., presented by Mr. John Cameron, 5, Fenwick Street, Liverpool.

Mammals.

A number of fossil mammalian specimens and diagrams; part of the Geological Collection of the late D. Clague (A. 12. 1. 06. 1 etc.); purchased.

Brush-tailed Porcupine (*Atherura africana*) ♂ (A. 15. 2. 06. 1); received in exchange.

Three Stoats (*Mustela erminea*) 2 ♂ juv., 1 ♀ juv. (A. 7. 3. 06. 1, 17. 3. 06. 1, 29. 3. 06. 1), from Glen Brittle, Skye, and Carbost, N.B.; presented by Geo. Dickinson, Esq., 10, Water Street, Liverpool.

Three Badgers (*Meles taxus*) 2 ♂ juv., 1 ♀ juv. (A. 27. 3. 06. 1, from near Preston, Lancashire; purchased.

Horns of Roan Antelope (*Hippotragus leucophaeus*) (A. 14. 6. 06. 1) from Dzodjoe, Awuna District, West Africa; presented by W. H. Chapman, Esq., Kwitta, West Africa, per A. Ridyard, Esq.

Two Stoats (*Mustela erminea*) ♂ juv., ♀ juv. (A. 14. 6. 06. 1-1a), from Bromborough, Cheshire; collected and presented by Mr. J. W. Cutmore, Museums.

Bat (*Verpertilio noctule*) juv. (A. 17. 7. 06. 1), from Eastham, Cheshire; purchased.

Five pieces and two fragments of Bone Breccia (A. 31. 8. 06. 1 etc) from Grotte du Prince, Baousse-Rousse, Mentone, France; collected and presented by the Director of Museums.

Two Orkney Voles (*Microtus orcadensis*) ♂ ♂ (A. 12. 9. 06. 1), from the Loans, Stromness, Orkney; collected and presented by Geo. Ellison, Esq., 4, Loudon Grove, Princes Park, Liverpool.

Marsupial Fœtus (*indet.*) (A. 5. 12. 06. 1), from Wide Bay, Queensland, Australia; presented by Mr. F. Power, "Kilkwan," Liscard, Cheshire.

Four Mammalian Skulls (Bear, Cheetah, Otter and Cercopithecid Monkey) (A. 31. 12. 06. 1-4); part of the general collections made by the late Donald Cameron, M.A., LL.D., and presented by Mr. John Cameron, 5, Fenwick Street, Liverpool.

Skull of Monkey (*Hapale jacchus*) (A. 13. 9. 06. 1); received in exchange.

Botany.

Botanical Material included in the Geological Collection of the late Mr. D. Clague, consisting of an Agricultural Series, five packages of Fossil Plants, package of Resins, &c., and a large number of Diagrams (E. 12. 1. 06. 1 etc.); purchased.

Sample of "Bolobolo" fibre (*Honkenya ficifolia*) (E. 13. 2. 06. 1), from Yoruba, West Africa, and twenty-one samples of Timbers (E. 16. 3. 06. 1-21), from Southern Nigeria; presented by Mr. T. H. Barker, Secretary of the Liverpool Chamber of Commerce, B. 10, Exchange Buildings, Liverpool.

A number of Botanical Specimens, including *Epacris impressa*, *Pennisetum cylindricum*, *Adiantum cuneatum*, *Phormium tenax*, pieces of *Selaginella*, and sample of Jute (E. 5. 3. 06. 1-7), from New Zealand and the East Indies. (Found to be unregistered and now referred to this date.)

About 160 specimens of Seaweeds (*indet.*), piece of Fossil Wood, 28 samples of Timbers, including "Totara," "Kauri Pine," "White Birch," "Greenheart," "African Oak," "Mahogany," "Locust," "Lignum-vitæ," "Teak," "Holly," "Elm," "American Elm," "Ash," "Beech," "Birch," "British Oak," "Oak," "Spruce," "Larch," "Yellow Pine," and "Pitch Pine"; samples of Seeds, Fruits and Gums, 32 Models of Fruit in wax, viz., Strawberry, Cherry, Pear, Apple, Plum, Peach, Filbert, Black Grapes, Orange, and Model of Walnut in clay (E. 16. 3. 06. 22-230); collected by the late J. F. Leigh Clare, Esq., and presented by the Misses Clare, "Holmeleigh," King's Gap, Hoylake.

Three Kola Nut "pods" (E. 15. 6. 06. 1), from the hinterland of Sierra Leone; presented by Mr. J. B. S. Cole, Savage Square, Fourah Bay, Sierra Leone, per Mr. Ridyard.

A few fruits of the African Oil-nut Palm (E. 15. 6. 06. 2), from Sierra Leone; presented by Mr. A. Ridyard, Chief Engineer, s.s. "Addah."

Dried Pod (*indet.*) (E. 26. 6. 06. 1), from Mexico; presented by Master C. Savile, Dean Cottage, Prince's Avenue, West Kirby.

Piece of Lignum-vitæ, cross section with bark (E. 23. 8. 06. 1), from British Guiana, and twelve samples of Australian Woods (*indet.*); presented by Mr. James A. Weale, Boundary Place, Liverpool.

Photograph of part of a Plant (*indet.*) (E. 12. 12. 06. 1), from Elgin; presented by Mr. William Taylor, Elgin Museum, Scotland.

Specimen of *Spirophyton* (E. 14. 12. 06. 1), from the Gamka Poort, Great Zwartberg Range, Karoo, Cape Colony; collected and presented by Mr. W. G. T. MacMuldrow, P.O. Box 379, Cape Town, South Africa.

Upwards of 700 Botanical specimens, including Flowering Plants, Ferns, Lichens, Seaweeds, Mosses, Fungi, Dried Fruits, Seeds and Models of Fruits and about 30 fragments of Fruit Plants (E. 31. 12. 06. 13, etc.), chiefly from European localities; collected by the late Donald Cameron, M.A., LL.D., and presented by Mr. John Cameron, 5, Fenwick Street, Liverpool.

Collection of thirty-five Sections, Photographs and Transparencies of Carboniferous Plants (E. 14. 4. 05. 54-88); purchased. (Omitted from 1905 Report.)

Geology.

The Geological Collection of the late Mr. D. Clague, consisting of several hundred specimens of miscellaneous Minerals and Rocks, a number of Diagrams and Sections, 20 Geological Maps and Charts, upwards of 100 Photographs, 15 Micro-photographs, about 100 Geological Micro Slides, Geological and Mineralogical Apparatus, 2 Books and MSS. lists of the Collection (F. 12. 1. 06. 1 etc.); purchased.

Collection of over 100 selected small Boulders and large Gravel from the neighbourhood of Delamere Forest, Cheshire, and two pieces of "untravelled" Boulder from near Kingsley (F. 20. 1. 06. 1 etc.); collected and presented by Mr. Robert Walker, Chapel Corner, Hatchmere via Frodsham, per Mr. F. Schnitger, Liverpool

About 75 specimens of miscellaneous Rocks (*indet.*), about 30 specimens of ornamental Rocks, chiefly Serpentines and Marbles, and about 230 specimens of various Minerals (F. 16. 3. 06. 1, etc.); collected by the late J. F. Leigh Clare, Esq., and presented by the Misses Clare, "Holmeleigh," King's Gap, Hoylake.

Six small pieces of crystalline Quartz on Hæmatite (F. 2. 4. 06. 1), from Cumberland; presented by Mr. Robert Powell.

Six specimens of Aluminous Minerals, viz.:—Irish Bauxite from Co. Antrim, Red Bauxite and White Bauxite from the South of France, Bauxite-Gibbsite from Arkansas, U.S.A., China Clay as

mined from Cornwall, and Alunite from New South Wales (F. 13. 7. 06. 1-6); prepared, labelled and presented by Messrs. Peter Spence & Sons, Ltd., Manchester Alum Works, Manchester.

Piece of Jasper (F. 31. 8. 06. 1), from Lambay Island, Co. Dublin; collected and presented by Mr. R. Welch, Belfast.

Three specimens of "Blue Ground" and "Rand Banket" (F. 14. 12. 06. 1-2), from Kimberley, Witwatersrand (neighbourhood of Johannesburg), and the Posges and South Randfontein Mine, South Africa, respectively; collected and presented by Mr. W. G. T. MacMuldrow, P.O. Box 379, Cape Town, South Africa.

Three small pieces of Weathered Granite (F. 19. 12. 06. 1); presented by Mr. C. D. H. During, Sierra Leone, per Mr. Ridyard, s.s. "Addah."

Collection of nearly 200 miscellaneous Rock and Mineral specimens and a Cabinet containing about 350 miscellaneous Mineral and Rock specimens, part of the general collections made by the late Donald Cameron, M.A., LL.D., of Rodney Street, Liverpool (F. 31. 12. 06. 1 etc.); presented by Mr. John Cameron, 5, Fenwick Street, Liverpool.

The Aquarium.

The Aquarium continues, as heretofore, to be one of the chief attractions of the Museum.

The new system of aeration introduced into the salt-water tanks continues to prove satisfactory, and a very large number of additional marine species have been on view, as seen from the subjoined list. Species which previously it has been only possible to keep alive for a few days have been kept alive for months, and there is evidence that some of the species have reproduced in the tanks.

The fresh-water tanks have been kept well stocked with specimens.

The efforts made to keep the tropical African Fishes in a healthy condition continue to be successful, and the great interest taken in them, both by specialists and the ordinary visitor is marked.

The Trout tanks continue in good condition. As the fish from the various hatches increase in size, they become too large for the accommodation available, and a number of specimens of Rainbow Trout are presented each year either to the Parks and Gardens Committee for distribution in the Park lakes, to the City Angling Association, or to local pisciculturists.

The Seal is in good health, has grown very much in size, and continues to be a great attraction to both young and old. Classes from the Elementary Schools continue to make special visits to the Aquarium, and Mr. Clubb occasionally takes the opportunity of giving short addresses to them.

Captain Griffiths, of the Corporation Barge "Beta," continues to bring living specimens of Marine Fishes, and on the several occasions when the Assistant Curator has been out on the "Beta" trawling for marine specimens for the British collections, the opportunity has been taken of bringing in suitable specimens alive for the tanks.

The following species have been exhibited alive during the year, those with an asterisk being alive at the date of this report (new labels, with coloured drawings of the species living in the tanks have been affixed above certain tanks):—

Marine Sponge (*Halichondria panicea*); Fresh Water Hydræ* (*Hydra viridis* and *H. fusca*); Zoophytes (*Antennularia ramosa*, *Hydractinia echinata*); Sea-Anemones, Dahlia Wartlet* (*Tealia crassicornis*); **Sagartia ornata;* Plumose Anemone* (*Metridium dianthus*); Beadlet* (*Actinia equina*); Cave-dwelling Anemone (*Sagartia troglodytes*); Gem Pimplet* (*Bunodes gemmacea*); The Opelet* (*Anemonia sulcata*); The Snake-locked Anemone* (*Sagartia viduata*); British Coral* (*Balanophyllia regia*); Dead Men's Fingers* (*Alcyonium digitatum*); Sea Urchins (*Echinus sphaera*); Heart Urchins; Various Starfishes: Horse Leech* (*Hæmopsis vorax*);

Sea-Mouse (*Aphrodite aculeata*); Marine Tube Worms; Fresh-Water Polyzoa* (*Plumatella repens, Lophopus crystallinus*); Barnacles; American King Crab* (*Limulus polyphemus*); Edible Crab* (*Cancer pagurus*); Common Shore Crab* (*Carcinus mœnas*); Hermit Crab* (*Eupagurus bernhardus*); Spider Crabs (*Stenorhynchus rostratus* and *Inachus dorsettensis*); Slender Spider Crab (*Stenorhynchus tenuirostris*); Cleanser Swimming Crab* (*Portunus depurator*); Shrimp* (*Crangon vulgaris*); Prawn (*Pandalus annulicornis*); Common Lobster* (*Homarus vulgaris*); Centipede (*sp. indet.*); Water Spider; Larva of Dragon Fly; Pecten (*P. opercularis*); Cockle (*Cardium aculeatum*); Water Snail* (*Limnæus stagnalis*); African Land Snail; Land Snails* (*Helix nemoralis* and *H. aspersa*); Nudibranchs (*Doris tuberculata, D. bilamellata, Eolis papillosa, E. coronata, E. rufibranchialis, Dendronotus arborescens*); Lesser Weever (*Trachinus vipera*); Fresh Water Eel* (*Anguilla vulgaris*); Brook Trout (*Salmo fario*); Hybrid Trout* (*S. fario and levenensis*); Loch Leven Trout* (*Salmo levenensis*); Rainbow Trout* (*Salmo irideus*); Crucian Carp* (*C. carassius*); Common Mirror and Gold Carp* (*Cyprinus carpio*); Rudd* (*Leuciscus erythrophthalmus*); Three spined Stickleback (*Gasterosteus aculeatus*); Nine spined Stickleback* (*Gasterosteus pungitius*); Minnow*; Bream*; Butter Fish (*Centronotus gunellus*); Dace* (*Leuciscus leuciscus*); Fresh Water Gudgeon* (*Gobio fluviatilis*); Common and Gold Tench* (*Tinca vulgaris*); Roach* (*Leuciscus rutilus*); Pike* (*Esox lucius*); Perch* (*Perca fluviatilis*); Ruffe* (*Acerina vulgaris*); African Mudfish* (*Protopterus annectens*); Walking Fish* (*Periophthalmus koelreuteri*); Father lasher* (*Cottus scorpio*); Five-bearded Rockling* (*Motella mustela*); Sea Snail* (*Liparis vulgaris*); Stone Loach* (*Nemachilus barbatula*); Spotted Goby (*Gobius minutus*); Sole* (*Solea vulgaris*); Dragonet or Skulpin (*Callionymus lyra*); Spotted Dragonet (*Callionymus maculatus*); Pogge* (*Agonus cataphractus*); Common Gurnard (*Trigla gurnardus*); Plaice* (*Pleuronectes platessa* and *Pleuronectes microcephalus*); Flounder* (*Pleuronectes flesus*); Dab* (*Pleuronectes limanda*); various species of Skate* (*Raia*); Lesser Spotted Dog-Fish (*Scyllium canicula*); Picked Dog Fish (*Acanthias vulgaris*); Common Frog* and Tadpoles (*Rana temporaria*); Green Tree Frog (*Hyla arborea*); Green Toad* (*Bufo viridis*); Natterjack Toad (*Bufo calamita*); Common Toad*

(*Bufo vulgaris*); Crested or Great Water Newt* (*Triton cristatus*); Common or Smooth Newt* (*Molge vulgaris*); Japanese Newt* (*Molge pyrogaster*); Lizard* (*Lacerta sp.*); Limbless Lizard* (*Anguis fragilis*); African Lace Lizard* (*Varanus griseus*) deposited; Skink (*Chalcides ocellatus*); Alligator Terrapin* (*Chelydra serpentina*); Sternotheres* (*Sternothærus niger* and *S. adonsonii*); American Water Turtle* (*Hydraspis hilarii*) Long-necked Chelodine* (*Chelodina longicollis*; Grass Snake (*Tropidonotus natrix*); Indian Snake* (*Eryx sp.*), deposited; West African Crocodile* (*Osteolæmus tetraspis*) and Egyptian Crocodile (*Crocodilus niloticus*); Common Seal* (*Phoca vitulina*).

Summary of Acquisitions.

Zoological.

Porifera	3	Species	3	Specimens.	
Cœlenterata	28	,, ...	40	,,	
Echinodermata ...	1	,, ...	4	,,	
Brachiopoda	12	,, ...	50	,,	
Arthropoda (Crustacea)	2	,, ...	2	,,	
Arthropoda (Tracheata)	300	,, ...	1,100	(approximate)	
Mollusca...	400	,, ...	4,500	(approximate)	
Tunicata	2	,, ...	4	Specimens.	
Fishes	100	,, ...	214	,,	
Amphibians	3	,, ...	6	,,	
Reptiles	26	,, ...	80	,,	
Birds	116	,, ...	470	,,	
Mammals	18	,, ...	36	,,	
	1,011		6,509		

Botanical.

Plants	500	Species	960	Specimens.

Geological and Mineralogical.

Rocks and Minerals	900 (approximate

Total additions to the Lord Derby Museum.

Species	1,511	Specimens	8,369

B.—MAYER MUSEUM.

(*a*) General.

The following is the arrangement of the galleries in this Museum. In the upper floor are to be found illustrations of the history, art and craft of the various families of the **Mongolian** Race; on the ground floor, together with the Main Hall and its balcony, those of the **Caucasians,** and in the basement those of the **Melanian** peoples.

The Committee contributed one share—amounting to £100—to Mr. John Garstang's excavations in Upper Egypt, and received as their share—lot 6—consisting of a large collection of objects—most of them, unfortunately, duplicates, and all in a very fragmentary condition, of specimens already in the Museum collection—from Esna, Abydos, Hierakonpolis, &c., which are detailed under the Caucasian section in this Report.

It is to be regretted that with lot 6 the Mayer Museum received none of the objects collected in Nubia, which was *the* important site worked at during the season. It had been hoped that in *each* lot there would have been a fair set of objects from *every* site at which excavations were made, and that *all* the material—important or unimportant—would have been divided among the ten shareholders. The Committee has not subscribed to the excavations of 1906-1907.

Several interesting objects illustrative of Local Art and Archæology have been received and placed in the room devoted to that branch.

The collection of Chinese porcelain of the 16th and 17th centuries, lent by Mr. John Mellor, Junr., has continued on exhibition during the past year, and the same gentleman, in conjunction with Mr. J. Duveen, prepared and lent on deposit a comparative exhibit of Japanese porcelain, which is exhibited in one half of the same case. Both groups have attracted much attention from connoisseurs and collectors.

The Melanian department continues to receive numerous acquisitions from various parts of Africa, particularly from the

West and West Central districts, many being of special interest. The Mayer Museum is again indebted to Mr. A. Ridyard, Chief Engineer, in the service of Elder, Dempster & Co., who has been most assiduous in collecting and presenting, or inducing others to collect and present, specimens during a period of over ten years.

Through the generosity of Mr. J. M. Freemantle, this department has been further enriched by a splendid series of native costumes, saddle and saddle-cloths, from the Upper Niger, which now form a most attractive exhibit.

With the acquisition of several old Ashanti brass boxes and weights, added to the large number already in possession of the Museum, it will be possible to prepare a most interesting exhibit of the art metal-work of the Ashanti natives.

A series of twelve life-sized busts of natives of the United States and the Philippine Islands has been received from Dr. H. C. Bumpus, Director of the American Museum, New York, in exchange for duplicate Ethnographical objects delivered last year.

From time to time throughout the year numerous exhibits have been mounted and placed in the Caucasian and Melanian departments. The large stone Sarcophagus of a chanter in the Temple of Amon, from Esna, received in a fragmentary condition, has been repaired and placed on exhibition, and two new cases of Nigerian Pottery.

By the judicious purchase of a rare Hawaiian Feather Tippet, the Museum becomes possessed of a most interesting object reminiscent of Captain Cook's famous voyages, and an object which has been a great desideratum.

The Napoleon Miniatures, and those of the xviith-xviiith centuries, have been re-arranged, mounted, and placed on exhibition in a case specially constructed for them.

(*b*) Loans and Deposits.

The collection of Chinese Porcelain, decorated after the Japanese style, 17th and 18th centuries; deposited by Mr. John Mellor, Junr., June 24th, 1904, has remained on exhibition during the past year, and the same gentleman and Mr. J. Duveen have lent a comparative exhibit of Japanese Porcelain.

The Stone Quern, from an old farm at Sefton, deposited by Mr. W. E. Gregson, still remains on loan; also the Steatite head, from Mano, Mendi country, Sierra Leone, West Africa, deposited by Mr. W. E. C. Morriss.

(*c*) Exchanges.

The following objects were received from Dr. H. C. Bumpus, Director, the American Museum of Natural History, New York, in exchange for duplicate Ethnographical objects, as per minute September 15th, 1905:—

Plaster casts from life of heads of American Indians and Philippine Islanders (1. 8. 06. 1-12), Wichita, Sioux, Zuni, Moqui, Apache, and two other North American Indian types, and a Visayan, Tagalo and Igorotes of the Philippines are represented.

(*d*) Acquisitions.

(1.) General.

Tobacco-box made of oak, from Haworth Castle (destroyed by fire 1844) (16.3.06.44), seven tablets of Scriptural subjects, by Hemming, London, 1820-1821, carved wooden toothpicks? (16. 3. 06. 45 and 66), bronze and leaden medallions commemorating the opening of institutions and the visits of Royalty and others (16. 3. 06. 46-65); collected by the late J. F. Leigh Clare, Esq., and presented by the Misses Clare, "Holmeleigh," King's Gap, Hoylake.

Honiton lace pillow in process of making (11. 7. 06. 1); purchased.

Two tetradrachms of Athens (14. 12. 06. 2, 3), found at Beni Hasan, 1904, by Mr. John Garstang; presented by the Egyptian Government.

Half of a carved cocoanut, shepherd's pocket sundials, horn powder flask, metal taper holder, and small cabinet of miscellaneous odd coins and tokens (31. 12. 06. 22, 25, 26, 27, 28); collected by the late Donald Cameron, M.A., LL.D., and presented by Mr. John Cameron, Fenwick Street, Liverpool.

(2) Local Area Collection.

Piece of an ornamented leather belt, found at Hoylake (17. 3. 06. 1); presented by Dr. Philip Nelson, Rodney Street, Liverpool.

Night watchman's shelter of about 1760, found in the steeple of St. Thomas' Church, Park Lane (now demolished) (7. 12. 06.); presented by Mr. John Bradbury, Cook Street, Liverpool.

Perry's ordnance map of Liverpool, 1768, from Enfield's "History of Liverpool" (14. 12. 06. 1); presented by Alfred Gates, Esq., C.C., "Rose Bank," Laurel Road, Fairfield.

Various documents relating to the sale of Cotton, Tobacco, Coffee, &c., in Liverpool from 1807 to 1815 (14. 12. 06. 4-12), and lottery tickets 1804-1807 (14. 12. 06. 13-15); presented by J. Elliot, Esq., J.P., Hoylake.

Bronze Celt (11. 7. 06. 1), found at Knotty Ash, Liverpool; purchased.

Water-colour drawing of St. George's Hall (16. 3. 06. 21); purchased.

Cardboard model of St. Nicholas' Church, Liverpool (4. 1. 06. 1); made and presented by Mr. E. Winter, 12, Derwent Drive, Liscard.

(3) Ceramics.

Earthenware pipe, with long spiral stem (16. 3. 06. 39), Staffordshire; part of a collection made by the late J. F. Leigh Clare, Esq., and presented by the Misses Clare, "Holmeleigh," King's Gap, Hoylake.

(4) Ethnography.

MELANIAN RACE.

Africa.—West and South-west Africa :—

List of specimens collected and presented by and through Mr. A. Ridyard, Chief Engineer s.s. "Addah," Messrs. Elder, Dempster and Co. :—

Senegal :—

Bag (24. 5. 06. 41), from the Senegal Country; presented by Mr. A. H. Garburah.

Ebony walking stick inlaid with silver filigree and with hippopotamus tooth handle (16. 2. 06. 11), from Tivoavone, Senegal; presented by Mr. Minuel Savay.

Gambia :—

Earthenware water-bottles and earthenware vase with lid, all painted red and decorated in black and white (16. 2. 06. 8, 9, 10), from Sinn, on the Saloom River, Gambia; presented by Mrs. Mary Jane King.

Countryman's hat (3. 9. 06. 11), from Perie, Gambia River; presented by Mr. Minuel Savay.

Earthenware pot (3. 9. 06. 8), from Jola, McCarthy Island; presented by Mrs. Priscilla Williams.

Sierra Leone :—

Plaited and dyed grass cigarette cases (16. 2. 06. 6 and 7), from Sago, hinterland of Sierra Leone; wooden male and female figures —fetishes—(16. 2. 06. 29 and 30), from Mendi Country; straw hat called "poor man's umbrella" (19. 12. 06. 12), from Bakana; knife and sheath, Mandingo work (24. 5. 06. 7), from Romo, Bawoomi Country, and horn used as a snuff-box (24. 5. 06. 9), from Nissi, Mandingo Country; hammock made from native cotton (24. 5. 06. 8), from Gallina Country, near Sulymali; presented by Mr. A. Ridyard.

Sample of native cloth and yarn from home-grown cotton (24. 5. 06. 25), from Segbwama; presented by Mr. W. C. D. Rosenior.

Plaited grass hats (3. 9. 06. 9, 10), from the Timmeni Country, hinterland of Sierra Leone; presented by Mrs. Adejatoo Garber.

Cigarette case covered with leather by Mandingoes (16. 2. 06. 22); presented by Mr. C. H. During.

Native-made iron money (17. 5. 06. 1, 2), from the Kissi Country, Sierra Leone; collected and presented by Mr. W. E. C. Morris.

Stone jug covered with Mandingo leather work (19. 12. 06. 19); presented by Mr. C. D. H. During.

Liberia:—

Pair of rattles "sake," harp used by Kroo Boys "Hoba," musical instrument "pidu" (16. 2. 06. 2, 4 and 5), two wooden ornaments, small horn juju (16. 2. 06. 26 and 27), from the hinterland of Cape Mount, Liberia; pair of dance rattles (24. 5. 06. 1), from Cape Palmas; musical instrument (Pedo or Buto) (24. 5. 06. 5), from Grand Sisters; and harp used by Kroo Boys (3. 9. 06. 41); presented by A. Ridyard.

Bag, basket and four knives (16. 2. 06. 23, 24, 25), a Kroo-boy's harp and a grass bag (3. 9. 06. 1, 2), from Pessy, hinterland of Grand Bassa; presented by Mr. B. R. Gibson.

Wooden plates with poker-work decoration (3. 9. 06. 5, 6), from Grand Collah; presented by Sir S. G. Harman.

Grass cap, bow and arrows, and a fish trap (19. 12. 06. 8-10), from Cape Palmas; presented by the Rev. S. D. Ferguson, Junr.

Native basket (16. 2. 06. 12), metal throwing-knife and plaited mat (3. 9. 06. 3, 4), from Tuobo and the hinterland of Cape Palmas; presented by Mrs. E. N. Thomas.

Grass bag (3. 9. 06. 7), from the Pessy Country; presented by Mr. T. G. Reffel.

Ivory Coast:—

Two native grass sashes (19. 12. 06. 21, 22), from Half Jack; presented by Mr. A. H. Garburah.

Wooden female figure (3. 9. 06. 36), from Alepe, Grand Bassam; presented by Mr. J. T. Mensah.

Gold Coast:—

Piece of wood carved to represent an open pillar, round the base is a snake, and on a platform above an elephant bearing a stool-shaped saddle, on which is a deer, the whole picked out with burnt ornamentation (19. 12. 06. 7), from Accra; presented by King Cudjo Ababio IV.

Carved wooden stork (19. 12. 06. 6), from Pomadzi; presented by King Acquah II., Winnebah.

Earthenware black glazed jug, with indented ornamentation (24. 5. 06. 34); presented by King Amonoo V., of Anamaboe.

Earthenware water bottle (3. 9. 06. 21), made at Cape Coast Castle, in imitation of Wassau pottery; presented by the Hon. J. P. Brown.

Drum from Accra (3. 9. 06. 23), brass lid of a box with birds in relief, and brass weight, from Ashanti, and earthenware bowl and a basket from Accra (24. 5. 06. 36-39); presented by Mr. A. Chinnery.

Earthenware jug (24. 5. 06. 33), from Affarmah, near Accra; presented by Dr. J. Edward Mettle.

Two carved wooden soup ladles (19. 12. 06. 13 and 14), from Cherehkun, Winnebah; presented by Mr. W. E. Richardson.

Wooden group of elephants and palm tree (19. 12. 06. 12); presented by Mr. Henry Van Hein, Winnebah.

Poker-worked fan (24. 5. 06. 34), from Accra; presented by Miss Matilda Bruce.

Wooden female figure (3. 9. 06. 37), from Odoomasie, near Accra; presented by Mr. Theophilus Ofulo.

Grass fan (16. 2. 06. 15), from Lagos; presented by Mr. W. B. Johnson.

Painted female wooden figures, from Lagos hinterland (24. 5. 06. 31, 32); presented by Mr. Frank Hooper.

Carved calabash with burnt decoration (16. 12. 06. 14), Lagos; presented by Mr. J. B. S. Cole.

Calabash (24. 5. 06. 43), from Lagos; presented by the Rev. J. Boyle.

Enema (24. 5. 06. 4), from Axim; presented by Mr. A. Ridyard.

Cloth woven on a native loom (19. 12. 06. 4); presented by Mr. A. Ridyard.

Nine very old brass pots and lids, dating from the time of Osei Tutus, 1697, seven other brass pots and lids, and four brass weights for weighing gold (16. 2. 06. 31-50), from Ashanti; purchased.

North Nigeria:—

Seven articles of wearing apparel, saddle cloths, saddle, &c., viz.: Native costume, consisting of "riga" or shirt and trousers of fine blue check cloth: the shirt is richly embroidered in white silk, and the trousers with various coloured silks; "riga" of white cotton cloth, richly embroidered with silk; costume, consisting of "riga" and trousers of white cotton cloth richly embroidered with green silk; leather saddle cloth embroidered with silver wire; native leather saddle; saddle cloth beautifully embroidered with designs in leather and coloured silks, and piece of cloth with dyed blue strips (5. 10. 06. 1-7), from Kano; collected and presented by J. M. Freemantle, Esq., Zungeru, N. Nigeria.

Hide bottles used for holding antimony, hide box, clay pipe heads, combined plaited grass mat and pocket and plaited grass tray (31. 12. 06. 12-16, 19, 20), and carved gourd (31. 12. 06. 17); part of a general collection made by the late Donald Cameron, M.A., LL.D., and presented by Mr. John Cameron, Fenwick Street, Liverpool.

Southern Nigeria:—

Wooden comb and painted wooden mask (16. 2. 06. 1 and 3), from Benin; set of wooden figures and dogs on a seat (24. 5. 06. 10), from the Qua Country; four plaited mats and seven plaited baskets (24. 5. 06. 11-21), from Bonny; wooden figure of a crocodile (?) (3. 9. 06. 40), from Ikpaffia Country; thirteen photographs illustrating native life at Bonny (3. 9. 06. 42-54); three photographs of natives of Opobo (19. 12. 06. 1-3); and knife with copper and brass bound handle, from the Pessy Country (19. 12. 06. 5); presented by Mr. A. Ridyard.

Juju, a wooden male figure with moving head (24. 5. 06. 22), from Qua Ebo, Opobo; presented by Mr. L. Henderson, s.s. "Addah."

Manilla with punched ornamentation (3. 9. 06. 24), from Degama; presented by Mr. Stanley Bromilow.

Carved wooden mask (3. 9. 06. 20), from Old Calabar, and roots of "Ojo Ologbo" and "Shimico" (3. 9. 06. 38, 39), from Sierra Leone; presented by Mahommed Daniel Job.

Bronze casting (26. 5. 06. 3), from Benin (?); purchased.

Carved finger rings of nuts (17. 7. 06. 1 and 2), from Benin; purchased.

Copper twisted armlet (16. 2. 06. 20), from Bonny; presented by Chief Simeon Manilla Pepple.

Head ornament from Abua Country, set of leaf cards from Brass (24. 5. 06. 22 and 23), carved walking stick and small one-ended drum from the Aru District (3. 9. 06. 29 and 30); presented by Mr. Thos. E. Spiff.

Wooden box with poker work decoration, from Old Calabar (?), and wooden dog from Egwanga (19. 12. 06. 17 and 18); presented by Mr. Eric J. W. Lewis.

Grass Mat, used as a fan (24. 5. 06. 42), from Abonnema, New Calabar; wooden box with poker-work decoration, from Old Calabar, and basket from the Ishopo market (3. 9. 06. 34, 35); presented by Mr. J. T. Scott.

Canoe Juju, a wooden figure (16. 2. 06. 17), from Degama; presented by Mr. J. Boulton.

Wooden painted mask in the form of a ram's head, with grass beard (16. 2. 06. 16), from Opo, Qua Ebo; presented by Dr. D. A. Kearns.

Fishing net, native rain hat, woman's hat, and pair of fishing boots (24. 5. 06. 26-29), from Andoni, Bonny; presented by Chief Fred. A. D. Green.

Canoe Juju (24. 5. 06. 30), from Qua Ebo; presented by Mr. Frank Hooper.

Ivory armlet with carved representations of a king on horseback, walking figures, &c. (16. 2. 06. 21), from Benin; presented by Mr. W. B. Johnson.

Carved wooden heads of Miss Kingsley and Mr. W. Ross-Brown, District Commissioner, Egwanga (16. 2. 06. 18 and 19), made by the natives of the Qua Country; presented by F. J. Brinsley, Esq.

Wooden mask (24. 5. 06. 40), from the Qua Country; presented by Mr. Rogerson.

Two manillas with punched ornamentation from Egwanga, and a Mahommedan boy's "slate" of wood, with Arabic inscription, from Lagos hinterland (3. 9. 06. 25, 26, 27); presented by Mr. R. Tannock.

Two wooden masks (3. 9. 06. 28 and 19. 12. 06. 11), from Ohambele, Ebo Country; presented by Mr. Moses Nequaye.

Alligator Juju (24. 5. 06. 44), from Abonnema, New Calabar; presented by Mr. Alfred C. Williams.

Small basket and two small calabashes (3. 9. 06. 14, 15, 16), from Port Lokko and the River Niger; presented by Mrs. Charlotte Gillen.

Basket (3. 9. 06. 13), from Port Lokko; presented by Mrs. Mary Ann Marie Gillen.

Plaited grass hat (16. 2. 06. 13), from Port Lokko, and carved calabash with burnt decoration (16. 2. 06. 14), from Lagos: presented by Mr. J. B. S. Cole, Savage Square, Sierra Leone.

Plaited grass hat (16. 2. 06. 13), from Port Lokko; presented by Mr. J. B. S. Cole.

Pair of leather leggings (3. 9. 06. 12), from the Niger district; presented by Mr. Alex. Macintosh.

Two carved cocoanuts (19. 12. 06. 15, 16), from Opobo (?); presented by Mr. G. L. Johns.

Wooden figure of a bird, and two wooden male figures (3. 9. 06. 31, 32, 33); presented by Mr A. C. Williams.

Loom, with partly completed rug (7. 9. 06. 1), from Aqueta, W. Africa; presented by Mrs. R. Tannock.

Basket (16. 2. 06. 28), and two small baskets (24. 5. 06. 2 and 3), from Port Lokko; presented by Mr. A. Ridyard.

Two carved gourds, probably from the Niger (3. 9. 06. 17, 18); presented by Mr. C. D. H. During.

Cameroons:—

Plaited grass basket (24. 5. 06. 6); presented by Mr. A. Ridyard.

Congo:—

Beadwork apron (3. 9. 06. 19), Matadi; presented by Mr. C. D. H. During.

Knife (3. 9. 06. 6); presented by Mr A. Chinnery.

South Africa:—

Hide shield, assegai, cane snuff-box, horn snuff-box, stone pipe head, stone club heads (?), stone pipe, stone mortar (?), horn hair-pin (31. 12. 06. 1-11); part of a collection made by the late Donald Cameron, M.A., LL.D., and presented by Mr. John Cameron, Fenwick Street, Liverpool.

East Africa:—

Chair made of ebony, the top of the back inlaid with bone and the seat and other parts made up of laced cotton cord, made by the natives, the Wa Giriama, of Lamu Island, early 19th century work; piece of Tapa cloth dyed red, with burnt design; sword, sheath and girdle and pair of wooden sandals from Uganda, British Central Africa; snuff-box of wood with iron and brass wire and copper chain attached; iron implement worn on the elbow, and two leather arm ornaments decorated with cowrie shells and beads with iron bell attached, from the Masai tribe, East Africa; iron bell from arm ornament, spear, two spear heads and a throwing-spear from the Masai tribe, East Africa; iron finger ring from the Suk tribe; knife with wooden sheath, two bows and two quivers containing eight and nineteen arrows respectively, from the Wa Nandi and Wakamba tribes; grass pocket from the Swahili tribe (16. 3. 06. 1-20); purchased.

Admiralty Islands—

Adze, shell head and wooden handle (31. 12. 06. 21); part of a collection made by the late Donald Cameron, M.A., LL.D., and presented by Mr. John Cameron, Fenwick Street, Liverpool.

MONGOLIAN RACE:—

America—

South:—

Blow-pipe arrows (16. 3. 06. 41); part of a collection made by the late J. F. Leigh Clare, Esq., and presented by the Misses Clare, King's Gap, Hoylake.

China—

Sixteen coloured drawings on rice paper, depicting landscapes, boats and figures (16. 3. 06. 22-37); part of a general collection made by the late J. F. Leigh Clare, Esq., and presented by the Misses Clare, King's Gap, Hoylake.

CAUCASIAN RACE:—

Egypt.—

Collection of Egyptian Antiquities, being the sixth portion of the division of objects excavated by Mr. John Garstang at various places in Egypt in 1906, to which fund the Committee contributed £100. They are numbered 16. 11. 06. 1-432, and the numbers following the description of each object refers to that on the object, as follows:—

Stone mace-head (280), **ist** dynasty; earthenware vases (15, 16, 41-44), bowl (21), saucers (22, 23, 25-27), **xi-xiiith** dynasties; strings of beads (3, 4, 6-9), part of a wand (304), kohl pot (202), two skulls of jackals (10, 11), alabaster vase (24), mud beads (30), **xiiith** dynasty; limestone stela of Renseneb and his brother the scribe Aaa (12), door and framework of a tomb with panel dedicated to Khensu, the chancellor's son (13), fragment of a glazed vase (29), stela of Dedu and his wife Ausne (?) and family (149), stela (150), parts of stela (268, 269), stela with invocation to Osiris (270), inscribed stone with name Tahuti-aru (?) (271), earthenware fowl fountains (18-20), **xiiith** dynasty; earthenware vases (14-17), carnelian and glazed beads (253), **xvii-xviiith** dynasties; alabaster and limestone heads of canopic jars (272, 273), **xxth** dynasty; part of an inscribed limestone column (152), beads (3), figure of Amset (242), inscribed fragment (409), all from Abydos.

Earthenware vases (34, 35, 38, 40, 45, 46, 51, 55, 58, 64, 68, 69, 72, 73, 75, 78, 121, 128, 133, 145, 147, 148), scarab (346), earthenware stands for vases (39, 87, 127), tazza (76), **xith-xiiith** dynasties; earthenware vases (61, 63, 65, 67, 70, 71, 77, 93, 120, 124, 126, 134, 254, 255), saucers (79, 85, 228, 229), beads (290), stands for vases (86, 88, 89, 315), clay vase (296), bowls (91-92), ivory bracelet (257), kohl pots (172, 175, 184, 190, 198, 201, 226, 258, 260, 283, 285, 365, 366), fragment of alabaster vase (227), iron rings and tweezers (236), parts of dolls (261-264), bird (265), model chambers (274), fragment of model granaries (275, 276), fragment of dish (277), handle of a dagger (292), pierced bone (293), bone inlays (294), fragments of bone wands (295), part of blue-glazed dishes (177, 298), alabaster saucer (299), part of a figure (309), copper hinge (310),

parts of bone castanets (?) (362-364), fragment of red pottery (404), votive table of offerings (405-408), brass money rings (248), **xiith** dynasty; part of a seated figure (286), **xiiith** dynasty; scarabs (352-358), **xiith-xiiith** dynasties; lid of a model coffin of Se-user-sebak (288), **xiiith-xviiith** dynasties; earthenware vases (56, 57, 59, 60), fragments of ushabtiu (278-279), clay stopper of a vase (282), **xvii-xviiith** dynasties; beads (291, 316), ushabtiu (300, 321), Syrian-shaped bottles (311-312), kohl pot (322), ivory comb (323), plated ring (324), beads in form of flies (325), carnelian beads (326), shell (327), fragments of glass inlays (328), blue glazed finger ring (329), shell finger ring (330), bronze instruments (332), bronze head of a staff (333), iron torque (334), bronze signet rings (335, 336), beads (348, 349), scarabs (347, 431), **xviiith** dynasty; scarabs (337-345, 350), beads (351), **xviii-xxth** dynasties; heads of canopic jars (122, 123), models of implements (256), ushabti (301), part of ivory figure of Bes (305), draughtman (308), scaraboid (318), bead (319), ushabti (320), figure of a hawk (331), stone grain pounder (416), **xxth** dynasty; beads (178-183, 186, 187, 191, 192, 194, 196, 238-244, 245), scarab (197), figure of Bes (237), beads (238-240), scarabs and wings (249), genii (250), ear-ring (241), model coffins and ushabti (410-415), **xxth-xxiind** dynasties; earthenware vase (36, 37, 52, 74), wooden hawk's heads (302, 303, 313), kohl pot (317), **xxiind** dynasty; beads (252), **xxvith** dynasty; stone ape (251), **xxvi-xxviiith** dynasties; earthenware vase (53), **xxviith** dynasty; earthenware vases (32, 33), **xxviiith-xxxth** dynasties; mummied crocodiles (153, 159), bird (154), eggs (155-157, 160, 161), fish (158), pair of sandals (162), piece of leather (163), model of fish in wood (164-166), in stone (167, 170), wooden comb (171), fragment of painted terra-cotta figure (204), toad lamp (289), tear bottle (314), pottery coffin lid and moulded face and parts of lids (400-403), sandstone table of offerings (417-422), **Greek** or **Roman Period**; glass beads (235), clay stopper of a vase (281), **Coptic**; ivory face (367), face from a plaster mask (287), two shell ornaments (297), shells (360), spindle whorls (361, 176), glazed bead (185), fragment of a green glazed vessel (188, 189), beads (359, 193, 234, 230, 231), clay vessel (199), hone stone (200), figure of Ptah-seker (232), scarab (243), fragment of a pottery vessel (265), earthenware vase (267),

part of a pottery figure (284), small gold ring (432); all from Esna, Upper Egypt.

Model axe (?) in clay (370), **Archaic**; earthenware vases (135-141, 146), spindle whorls (371), **ist** dynasty; feet of a figure (383), **iind** dynasty; fragment of a glazed vessel (386), **xiith** dynasty; scarabs (423-425), bead (426), heads (427), fragment of an ivory box (428), part of shell bracelet (429), stone pendant (430), **xviii-xixth** dynasties; small vase (374), **xxth** dynasty; facsimile of a lapis lazuli figure (369), **Roman Period**; clay stopper for a vase (468, 481), whorl (?) (372), pottery reel for thread (373), alabaster saucer (375), diorite head (376), model table of offerings (377), part of a bronze figure (378), fragment of a stone bowl (379), alabaster bead (380), part of a comb (382), earthenware vases (384, 396, 397), earthenware model of a bird (385), fragment of an alabaster vase with handle (386), black earthenware vase (388), various shells (389), bead (390), fragment of an alabaster cup with handle (391), wooden kohl stick (392), fragment of an alabaster vase (393), alabaster vase (394), slate whetstone (395), mud stoppers for vases (398), painted slab (399), all from Hierakonpolis.

Earthenware vases (142, 143), **ist** dynasty; earthenware vase (144), **xith** dynasty; from Messawiyeh, near Esna.

Kohl pots (206-221, 223), earthenware vessel (222), stone pestle (224), green glazed saucer (246), cased rings and odd beads (247), fragment of vase (203), **xiith** dynasty; glazed figure of an ape (233), **xv-xvith** dynasties; alabaster pestle (225), **xviiith** dynasty; fragment of carved limestone (151), slate palette (205).

Scarab (28. 8. 06. 7), **xvth** dynasty; string of carnelian pendants (28. 8. 06. 1), string of glass and carnelian beads (28. 8. 06. 2), strings of glazed beads (28. 8. 06. 3, 4), ushabti of Para-her-resf (28. 8. 06. 5), scarab, king in chariot (28. 8. 06. 8), scarab, Queen Thyi (28. 8. 06. 9), **xviiith** dynasty; scarab Rameses II (28. 8. 06. 10), scarabs, inscribed and plain (28. 8. 06. 11, 12), **xixth** dynasty; bronze bracelet (28. 8, 06.15), coloured terra cotta figure of Horus on horseback (28.8. 06. 6), **Roman**, all from Saft el Henna (Goschen) 1906; iron lance-head (28. 8. 06. 13), **Roman** from Gheyta; porcelain figure of Ptah-seker

with feathers (28. 8. 06. 14) Tell el Retabeh (Raamses), **xxiind** dynasty; presented by the Egyptian Research Account, per Professor W. M. Flinders Petrie.

Limestone slab with Ka figure, coloured (28. 8. 06. 19), **xith** dynasty; foot and parts of a limestone statue of Hora, Viceroy of Kush under King Siptah (28. 8. 06. 16), limestone stela, imperfect, fine work (28. 8. 06. 17), worship of King Mentuhetep, limestone slabs with hawk, in colours, Horus name of king (28. 8. 06. 18), fragment of limestone, coloured, with cartouche (28. 8. 06. 20), fragment of sandstone, coloured, with cartouche of Thothmes III, **xviiith** dynasty; from Deir el Bahari, 1906; presented by the Committee of the Egypt Exploration Fund.

Sandwich Islands.—

Feather tippet (12. 10. 06. 1); purchased.

New Zealand—

Fish-hook (31. 12. 06. 23); part of the collection made by the late Donald Cameron, M.A., LL.D., and presented by Mr. John Cameron, Fenwick Street, Liverpool.

Small jade chisel (16. 3. 06. 40); part of the collection made by the late J. F. Leigh Clare, Esq., and presented by the Misses Clare, King's Gap, Hoylake.

Fragments of Tapa cloth (12. 10. 06. 21); presented by Captain W. H. Kidley. Locality doubtful.

Portuguese—

Painted clay figures of men and women, and imperfect coloured clay figures (16. 3. 06. 42. 43); part of the general collection made by the late J. F. Leigh Clare, Esq., and presented by the Misses Clare, King's Gap, Hoylake.

U.S.A.—

Glass arrowheads and photograph of glass and flint arrowheads, made by Ernest Baurman, Grand Rapids, Michigan (15. 6. 06. 1-5); presented by Mr. A. Rushforth, 32, Imperial Chambers, Dale Street, Liverpool.

Grand Canary—

Bill of Lading to the Canary Islands, dated 1611 (24. 3. 06. 1); presented by Mr. Lang Lenton, c/o Messrs. Elder, Dempster & Co., Grand Canary.

India—

Coloured drawings of natives in various poses (16. 3. 06. 38): part of a general collection made by the late J. F. Leigh Clare, Esq., and presented by the Misses Clare, King's Gap, Hoylake.

Burmah—

Buddhist idols in bronze (26. 5. 06. 1, 2): presented by Mr. A. Woodhead, 42, Ash Grove, Wavertree, Liverpool.

SUMMARY OF ACQUISITIONS.

Ethnography and Photographs	693
Miscellaneous	49
	742

HENRY O. FORBES,
DIRECTOR OF MUSEUMS.

PRESENTED
1 FEB. 1908

BRITISH MUSEUM NATURAL HISTORY

21 NOV 1910

FIFTY-FIFTH

ANNUAL REPORT

OF THE COMMITTEE

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BRITISH MUSEUM
NATURAL HISTORY

COMMITTEE AND OFFICERS

for the Year 1907-1908.

THE RIGHT HONOURABLE RICHARD CATON, LORD MAYOR.

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PROF. SIR RUBERT W. BOYCE, M.B.,
COLONEL SIR A. H. BROWN, BART., V.D., M.P., J.P.,
ALDERMAN A. COMMINS, LL.D.,
ARTHUR CROSTHWAITE, ESQ., J.P.,
H. CHALONER DOWDALL, ESQ., M.A., B.C.L.,
PROFESSOR OLIVER ELTON, M.A.,
WILLIAM EVANS, ESQ., J.P.,
FRANCIS J. HARFORD, ESQ., J.P.,
MICHAEL E. KEARNEY, ESQ.,
P. CHARLES KELLY, ESQ.,
JOHN LEA, ESQ., J.P.,
FRANK J. LESLIE, ESQ.,
ALD. M. HYSLOP MAXWELL, J.P.,
HENRY MILES, ESQ.,
WILLIAM MUIRHEAD, ESQ., J.P.,
PROFESSOR A. M. PATERSON, M.D.,
HERBERT R. RATHBONE, ESQ., B.A.,
RICHARD RUTHERFORD, ESQ., J.P.,
ALDERMAN J. N. STOLTERFOHT.
ALDERMAN E. WRAKE TURNER.
COLONEL W. HALL WALKER, M.P.

Chief Librarian:
PETER COWELL.

Deputy-Librarian:
HENRY E. CURRAN.

Director of Museums:
HENRY O. FORBES, LL.D., F.R.G.S., F.R.A. Inst.

Assistant Curator of Lord Derby Museum:
JOSEPH A. CLUBB, M.Sc.

Assistant Curator of Mayer Museum:
P. ENTWISTLE.

Curator of the Walker Art Gallery
E. RIMBAULT DIBDIN.

Assistant Curator, Walker Art Gallery:
ARTHUR G. QUIGLEY.

GENERAL REPORT.

The additional rate of one farthing in the pound which the City Council has authorised to be levied for Library purposes, making the total rate one penny three farthings, suggests the enquiry as to how far this expenditure is justified and if the results so far achieved by the Free Library movement warrant this large annual outlay. Books are very cheap; standard works printed in excellent type and nicely bound can be purchased from sevenpence to one shilling per volume, and are, therefore, within the reach of every thrifty working-man. Would it not be wise to encourage every man to form his own library and to read by his own fireside? The first and most obvious answer to this is that the books would not be bought, and therefore would not be read, and the average man would be content with his halfpenny paper, which would at least give him entertainment. But there remains a better answer than this. The wonderful success of the Free Library movement all the world over proves that the Free Library was needed, and that it supplies a want; and no one can study the character of the books issued without coming to the conclusion that it is a great educational movement.

The Elementary Education Act has now been in existence for twenty-five years; a generation has grown up of men and women who not only can read, but who have received an education which fifty years ago or less would have been considered a "polite" education. We have given our people an appetite for reading and a thirst for knowledge, and if we do not place within the reach of our youths when they leave school the power of gratifying this appetite, we deny to them the means and the stimulus to continue their education, which to a large number is the only way by which they can advance themselves in life and become useful and valuable citizens. Taking this larger view of Library work, we can claim that it abundantly justifies the liberal expenditure of public money. From this standpoint the statistics given in the Chief Librarian's report become interesting and instructive.

It is not easy to introduce the picturesque into Library statistics, but the remarks of the Librarian in reference to the Botanical Library recently handed over to the Library Committee by the Parks and Gardens Committee are full of local colour and interest, and draw from us our admiration for the noble band of literary men, headed by William Roscoe, who did so much just one hundred years ago to place Liverpool in the forefront of literary achievement; and suggests the inquiry, have we maintained this high standard? I fear we must confess that the greater part of the intervening time, although remarkable for its marvellous commercial progress and prosperity, has not been enriched by a similar development of literary taste and culture.

The last twenty-five years have, however, witnessed the establishment and rapid growth of our University, and have proved that the desire of our people for intellectual growth and culture was only dormant and was waiting for the opportunity to make itself manifest. And can we not claim that in the years preceding the University our Free Libraries did something to keep alive the flame lit by Roscoe; and may we not also, without presumption, claim that our Free Libraries and Museum ought to be the handmaids of the University? It would be possible to enlarge upon this mutual aspect of Library and University work, but its growth and development will have to be gradual.

Perhaps no departments of life are more remarkable for their conservatism than literature and science. We do not quarrel with this; in Liverpool it will yield to the strenuous hustling atmosphere of commerce which surrounds it; and in the meantime we gratefully acknowledge the active and valuable assistance we receive in our work from Professor Paterson and Professor Elton; and we welcome Professor Sir Rubert Boyce as bringing us an intimate knowledge and love for antiquarian and archæological research.

WILLIAM B. FORWOOD,

CHAIRMAN.

LIBRARY DEPARTMENT.

Chief Librarian's Report.

The statistical record of the work of the Reference and Lending Branches during the past year shows that they have fully maintained their popularity and usefulness. The total volumes issued in the Library reading-rooms and for home reading number 2,836,213 volumes. Besides these there were similarly issued 1,580,835 magazines and periodicals. Newspaper readers are calculated at 1,543,606, and the attendances at the various free lectures given at seventeen different centres amounted to 92,886. What the value and effect of such an amount of reading is cannot easily be calculated, but that it must be beneficial may be taken for granted.

Of the art books in the Hornby Library 1,726 were consulted, and 3,584 prints were referred to and examined. The total visitors amounted during the year to 2,510. The heating and ventilation of this room has been much improved; and the prints, which in number and value form such an important feature of the Library, have received considerable attention in being protected from injury by being put into loose mounts. Already some 3,500 have been so treated.

There have been fluctuations in the issue of various classes of books at all the Libraries, but not of such a character as to call for particular comment. It is interesting, however, to note that there has been an increase of 47,483 volumes issued to our boy and girl readers, making the total issues to them during the year 381,986 volumes. Of this number the majority, as may be expected, consisted of tales and stories, but the issues in the following classes are deserving of mention:—History and Biography, 10,097 vols.; Arts and Handicrafts, 7,008; Voyages and Travels, 6,210; Natural History, 4,334; Poetry, 1,462. At

the close of 1907 there were 36,856 persons entitled to borrow books from the various Lending Libraries, and the total stock of books available for them was 137,627.

During the past year an important addition of books was made to the Reference Library by the transfer to the Libraries Committee of the collection of botanical works, numbering 681 vols., belonging to the Parks and Gardens Committee. Many of the books are valuable and important, as may be seen from the following brief list:—Pallas's Flora Rossica, 3v. f°. 1784 (presented by the Emperor of Russia); Allioni's Flora Pedemontana, 3v. f°. 1785 (presented by William Roscoe); Gerarde's Herbal, f°. 1636; Parkinson's Theatrum botanicum, f°. 1640; Hooker and Greville's Icones filicum, 2v. 1829-31; Lindley's Digitalium monographia, f°. 1821; Lindley's Collectanea botanica, f°. 1821; Loddiges' Botanical cabinet, 20v. 4°.; Curtis' Botanical magazine, 117v. 1793-1906; Redouté's Les Liliacées, 8v. f°. 1802-16; Roscoe's Monandrian plants, f°. 1828; Wallich's Plantæ Asiaticæ rariores, 3v. f°. 1830-32; together with various works by Linnæus, Sowerby, Aldrovandi, De Candolle, Sir James Smith, and many others.

Now that the home of this Library has been severed from the Botanic Gardens, some brief account of its history may prove interesting. It was on the initiative of William Roscoe that the Liverpool Botanic Garden was established by public subscription in the year 1800. The number of shares was limited to 300 (twelve guineas upon admission and two guineas annually), and ten acres of land were acquired in a situation then described as "in the neighbourhood of the town." The principal entrance was from what is now Oxford Street; and Vine Street, Cypress Street, and Grove Street may be said still to commemorate the existence of the Garden in that locality. Only five acres were used for the Garden, which was opened in 1803; and it speaks well for the business acumen of those responsible for the land-purchase that the unused five acres realised a sum almost equal to that originally paid for the whole. A Curator was appointed in the person of Mr. John Shepherd, a naturalist held in the highest esteem throughout Europe. In the original proposals it was provided that a Library

should be formed, and in due course that was accomplished so successfully that by 1825 an important collection of 289 volumes, written by the most distinguished botanists, had been made. The expenses of the garden proved greater than was expected, for it was found necessary to increase the funds by extending the number of shares to 375, this number being further increased in May 1807 to 450, in consequence of the burden of a considerable debt for building conservatories.

The Garden was removed in 1836 to Edge Lane, and in 1841 was transferred to the town, the Corporation undertaking to pay the £3,800 borrowed by the proprietors. As this was effected under the powers conferred by Mr. Ewart's Museum and Libraries Act, the responsibility of administering the affairs of the Garden subsequently fell upon the Library, Museum and Arts Committee. In 1862, however, it was found desirable to place the Garden under the authority of a separate Committee; the collection of books being taken over with the Gardens by the new Committee. Included among the original shareholders, beside William Roscoe, were Edward Falkner, William Lawson, Dr. John Bostock, Thomas Earle, William Rathbone, Dr. James Currie, Dr. John Rutter, Thomas Binns, S. Colquitt, Matthew Gregson, the Rev. W. Shepherd, Charles Turner, John Williamson, and many others no less distinguished.

Our local collection of prints and drawings proved extremely useful in connection with the 700th Anniversary of the founding of Liverpool. The workers and artists found much helpful material in the Library books, particularly in regard to costumes and architecture. Five banners representing historical incidents connected with the town have been presented to the Library Committee, and are now hung in several of the Branch Libraries. A selection of Reference Library books, prints, drawings and documents of local value and interest were included in the Historical Exhibition connected with the Pageant, and it is believed contributed in some measure to the general interest which the Exhibition certainly aroused.

The Branch Library for Garston is now in course of erection, and the selection and purchase of books will shortly be taken in hand. The Library promises to be architecturally ornamental, and internally convenient light and comfortable. The books and magazines, both in number and character, will receive thoughtful consideration, so as to make the institution in every way useful and attractive.

An evening Reading Room in Dryden Street, originally provided for the neighbourhood by the Housing Committee, has been re-opened by the Libraries Committee, with results which are in every way gratifying. The average attendance per evening has been 53. Land has been purchased for the proposed new Library for Walton and Fazakerley.

The Libraries Committee is giving cordial support to the journal which the National Home Reading Union is endeavouring to establish with a view of directing the readers of Public Libraries to the best books, and of guiding them in their reading generally. Its contents have high literary merit, and are largely in the nature of bibliographical notes and criticisms of new books. An inset of a certain number of blank pages is placed at the service of any Public Library, according to the amount of its subscription, which may be utilised for conveying to the Library readers particulars of the new books added from time to time, and such other information about the Libraries and books as may be deemed desirable and interesting.

TABLE I.

SUMMARY OF STATISTICS OF LIBRARIES DEPARTMENT.

	Volumes.	Prints Consulted.	Periodicals.	Newspaper Visitors.	Lecture Attendance.
Reference Library.					
PICTON READING ROOM: Volumes issued (General Literature and Reference works)—					
On application 204,225					
From open access shelves (approximate) 33,944					
Reference works from open access shelves (approximate) 23,760					
	261,929				
Current literary, scientific, and technical Reviews and Periodicals: from open access racks (approximate).....			88,020		
HUGH FREDERICK HORNBY LIBRARY: Volumes Issued	1,721				
Prints Consulted		3,584			
BROWN READING ROOM: Volumes issued: Biography, History, Travel, Popular Science, &c., from open access shelves 108,547					
Prose Fiction 73,986					
	182,533				
Current Popular Magazines and Periodicals, from open access rack (approximate)			197,910		
DIRECTORIES: Volumes issued from open access shelves (approximate)	150,930				
PATENTS DEPARTMENT: Specifications of Patents for Inventions	36,646				
NEWSPAPERS: Persons consulting current newspapers (approximate)				366,030	
NEWSPAPERS: Bound Volumes	5,930				
Totals—Reference Library.....	639,689	3,584	285,930	366,030	

TABLE I.—*Continued.*

	Volumes.	Prints Consulted.	Periodicals.	Newspaper Visitors.	Lecture Attendance.
Lending Libraries.					
VOLUMES LENT FOR HOME READING	1,392,965				
TOXTETH LIBRARY READING ROOMS:					
Volumes issued	225,700				
Magazines and Reviews			208,198		
Visitors to the Newspapers				254,224	
EVERTON LIBRARY READING ROOMS:					
Volumes issued	127,100				
Magazines and Reviews			191,028		
Visitors to the Newspapers				156,534	
KENSINGTON LIBRARY READING ROOMS:					
Volumes issued	102,744				
Magazines and Reviews			133,116		
Visitors to the Newspapers				114,133	
WALTON LIBRARY READING ROOM:					
Volumes issued	16,131				
Magazines and Reviews			54,006		
Visitors to the Newspapers				76,680	
WAVERTREE LIBRARY READING ROOMS:					
Volumes issued	71,603				
Magazines and Reviews			180,890		
Visitors to Newspapers				140,711	
RAWDON READING ROOM:					
Volumes issued	53,556				
Magazines and Reviews			153,665		
Visitors to Newspapers				165,546	
KIRKDALE LIBRARY READING ROOMS:					
Volumes issued	110,834				
Magazines and Reviews			222,203		
Visitors to the Newspapers				107,637	
ANDREW CARNEGIE LIBRARY READING ROOMS:					
Volumes issued	95,169				
Magazines and Reviews			150,424		
Visitors to the Newspapers				79,986	
DRYDEN STREET READING ROOM: (Opened 21st October, 1907).					
Volumes Issued	722				
Magazines and Reviews			1,375		
Visitors to the Newspapers				3,145	
Evening Reading Rooms.					
Newspapers, Magazines, and Reviews				78,980	
Lectures (17 centres).					
Attendances—					
Picton Lecture Hall 28,945					
District Lecture Halls 63,941					92,886
Totals—Lending Libraries	2,196,524	—	1,294,905	1,177,576	—
Totals— Reference Library	639,689		285,930	366,030	—
,, Prints		3,584			
Grand Totals	2,836,213	3,584	1,580,835	1,543,606	92,886

TABLE II.

Classification of volumes issued in the Reference Department.

Picton Reading Room and Brown Reading Room :—			1907.	1906.
Theology, Morals, Metaphysics			18,020	17,937
Natural Philosophy, Mathematics, Physiology, &c. ...			27,370	25,569
Natural History			11,332	10,794
Fine and Industrial Arts	48,806		85,452	93,507
— Specifications of Patents	36,646			
History and Biography, &c.			55,135	55,606
Topography and Antiquities			15,380	17,215
Voyages and Travels, Gazetteers, Atlases			38,560	39,987
Collected Works, Essays, &c.			70,238	58,069
Jurisprudence, Law, Politics			10,902	12,137
Commerce, Political Economy Social Science, &c. ...			19,688	20,630
Education and Language...			23,822	22,816
Poetry and Dramatic Literature			14,519	16,460
Prose Fiction			73,986	82,407
Latin and Greek Classics			3,605	2,929
Encyclopædias, Dictionaries, &c. ...	13,099		164,029	143,661
— Directories	150,930			
Newspapers: Bound Volumes			5,930	6,507
			637,968	626,261
Hugh Frederick Hornby Art Library :—				
Volumes Issued*			1,721	—
Total			639,689	626,261

* There were also 3,584 Prints consulted in the Hornby Library.

TABLE III.

Shewing the number and classification of works contained in the Reference Department:—

Theology, Morals, and Metaphysics	8,872
Natural Philosophy, Mathematics, &c.	3,968
Natural History	8,226
Fine and Industrial Arts	19,845
History and Biography, &c.	16,488
Topography and Antiquities	7,728
Voyages and Travels, Gazetteers, Atlases	7,000
Miscellaneous Literature (principally collected Works, Essays, Reviews, Societies' Proceedings, &c., in volumes)	33,615
Jurisprudence, Law, Politics	11,546
Commerce, Political Economy, Social Science, &c.	4,309
Education and Language	2,572
Poetry and Dramatic Literature	4,955
Prose Fiction	5,398
Latin and Greek Classics and Translations	1,083
Encyclopædias and Works of General Reference...	5,469
Hugh Frederick Hornby Art Library	7,860
Total	148,934

TABLE IV.

Shewing the number and classification of volumes in the Lending Libraries.

Classification.	Central Lending Library.	Everton Branch.	Toxteth Branch.	Kensington Branch.	Walton Branch.	Sefton Park Branch.	Wavertree Branch.	Kirkdale Branch.	Andrew Carnegie Branch.	Total
Theology, Morals, &c.	470	1,903	1,808	488	241	153	323	337	350	**6,073**
Natural Philosophy	571	698	706	520	310	178	321	309	265	**3,878**
Natural History	545	829	890	474	245	163	345	347	331	**4,169**
Fine and Industrial Arts	2,313	2,520	2,598	2,280	1,147	750	1,151	1,012	1,102	**14,873**
History and Biography	1,692	3,243	4,553	1,660	815	580	960	1,025	1,018	**15,546**
Topography, Antiquities	368	573	591	378	224	142	221	210	213	**2,920**
Voyages and Travels	747	1,463	1,514	649	435	390	482	505	504	**6,689**
Miscellaneous Literature	347	2,516	3,035	2,014	440	145	395	224	249	**9,365**
Jurisprudence, Law, &c.	200	208	170	139	72	60	113	119	121	**1,202**
Commerce, &c.	437	614	609	432	208	131	202	233	230	**3,096**
Education, Language	221	376	369	202	128	100	154	185	166	**1,901**
Poetry and the Drama	280	604	675	327	120	95	128	153	155	**2,537**
Prose Fiction	7,004	7,458	7,326	5,967	5,130	3,919	3,492	4,409	4,637	**49,342**
Latin and Greek Classics	48	109	126	69	—	—	49	71	97	**569**
Books for the Blind	1,637	—	—	—	—	—	—	—	—	**1,637**
Books for the Young	—	2,985	2,801	2,031	—	—	1,240	2,663	2,110	**13,830**
Totals	16,880	26,099	27,771	17,630	9,515	6,806	9,576	11,802	11,548	**137,627**

TABLE V.

CENTRAL LENDING AND BRANCH LIBRARIES.

General Statistics.

Volumes issued, &c.	Central.	Everton Branch.	Toxteth Branch.	Kensington Branch.	Walton Branch.	Sefton Park Branch.	Wavertree Branch.	Kirkdale Branch.	Andrew Carnegie Branch.	Rawdon Reading Room.	Dryden St. Reading Room.	Total.
Volumes Issued.												
Lending Departments	229,893	151,909	196,461	162,678	110,033	82,666	126,944	164,215	168,166	—	—	1,392,965
General Reading Rooms	—	72,114	141,469	61,977	16,131	—	45,789	69,929	45,392	53,556	722	507,079
Ladies' Rooms	—	22,728	57,254	5,676	—	—	2,751	3,613	24,592	—	—	116,614
Children's Rooms	—	32,258	26,977	35,091	—	—	23,063	37,292	25,185	—	—	179,866
Total issued	229,893	279,009	422,161	265 422	126,164	82,666	198,547	275,049	263,335	53,556	722	2,196,524
Magazines Issued.												
General Reading Rooms	—	137,204	129,216	93,734	54,006	—	120,200	89,032	59,444	153,665	1,375	837,876
Ladies' Rooms	—	22,626	46,730	16,305	—	—	30,511	36,195	40,700	—	—	193,067
Children's Rooms	—	31,198	32,252	23,077	—	—	30,179	96,976	50,280	—	—	263,962
Total issued	—	191,028	208,198	133,116	54,006	—	180,890	222,203	150,424	153,665	1,375	1,294,905
Newspaper Readers.												
General Reading Rooms	—	147,708	211,799	105,408	76,680	—	130,200	105,586	68,815	165,546	3,254	1,014,996
Ladies' Rooms	—	8,826	42,425	8,725	—	—	10,511	2,051	11,171	—	—	83,709
Total readers	—	156,534	254,224	114,133	76,680	—	140,711	107,637	79,986	165,546	3,254	1,098,705
Tickets Issued.												
General	2,810	1,423	2,101	1,761	1,433	989	1,628	1,373	2,167	—	—	15,685
Special for Students	628	171	202	172	156	159	176	160	275	—	—	2,099
Juvenile	—	874	701	696	—	—	311	1,218	416	—	—	4,216
Total New Tickets	3,438	2,468	3,004	2,629	1,589	1,148	2,115	2,751	2,858	—	—	22,000
Total Tickets in use	7,271	4,268	5,619	4,949	3,083	2,213	3,902	4,793	4,739	—	—	40,837
Books Lost.												
Lost or injured and paid for	38	5	25	18	20	6	6	13	12	—	—	143
Lending Departments	3	1	6	1	2	—	—	3	—	—	—	16
Reading Rooms	—	11	10	7	—	—	—	15	5	—	—	48
Volumes added, &c.												
Worn out and withdrawn	152	295	366	265	—	—	—	—	—	—	—	1,078
Worn out and replaced	605	581	612	485	159	142	—	60	—	—	—	2,644
Added	413	525	834	599	279	432	429	665	691	—	—	4,867
Total volumes in Libraries	16,880	26,099	27,771	17,630	9,515	6,806	9,576	11,802	11.548	—	—	137,627

* Opened 21st October, 1907.

TABLE

Shewing the classification of volumes

Classification.	Lending Departments.								
	Central.	Everton Branch.	Toxteth Branch.	Kensington Branch.	Walton Branch.	Sefton Park Branch.	Wavertree Branch.	Kirkdale Branch.	Andrew Carnegie Branch.
Theology, Morals, &c. ...	3,224	2,089	2,714	1,237	863	634	1,216	1,362	1,260
Natural Philosophy	4,773	2,201	2,278	1,837	2,305	1,042	1,865	2,219	1,601
Natural History.....	3,966	2,125	1,974	2,078	1,141	737	1,877	2,799	2,007
Fine and Industrial Arts	20,988	8,786	12,066	9,337	6,719	4,052	7,094	9,019	10,490
History and Biography...	7,637	5,331	5,563	5,342	2,636	2,437	3,862	7,683	4,787
Topography, Antiquities	2,930	884	1,089	893	1,912	778	845	878	900
Voyages and Travels	5,191	2,930	4,629	2,368	1,851	1,960	3,166	4,461	3,450
Miscellaneous Literature	4,574	8,483	9,769	8,048	3,568	1,162	5,645	1,878	3,180
Jurisprudence, Law, &c.	691	237	452	233	117	155	452	216	29
Commerce, &c.	3,552	1,728	1,865	1,315	1,032	536	1,042	1,098	1,16
Education, Language ...	2,373	822	1,346	597	1,086	569	1,087	1,408	1,11
Poetry and the Drama ...	1,869	1,105	1,419	1,420	645	701	1,079	1,140	1,25
Prose Fiction	165,830	114,959	150,905	127,685	86,158	67,903	97,307	129,717	136,29
Latin and Greek Classics	319	229	392	288	—	—	407	337	35
Books for the Blind	1,976	—	—	—	—	—	—	—	—
Totals	229,893	151,909	196 461	162,678	110,033	82,666	126,944	164,215	168,1

* Of this total 35,466

M.

issued, including Juvenile Literature.

tal me ding.	Reading Rooms.										Total Issues
	Everton Branch.	Toxteth Branch.	Kensington Branch.	Walton Branch.	Wavertree Branch.	Kirkdale Branch.	Andrew Carnegie Branch.	Rawdon Reading Rooms.	Dryden St Reading Room	Total Reading Rooms.	
599	4,249	10,674	2,195	149	2,443	2,381	1,980	771	4	**24,846**	**39,445**
121	4,503	10,929	2,765	330	2,267	2,142	2,898	427	11	**26,272**	**46,393**
704	6,097	9,111	2,885	295	1,741	4,311	3,332	566	14	**28,352**	**47,056**
557	14,280	24,424	6,348	1,117	6,823	10,421	7,362	483	33	**71,291**	***159,848**
278	13,440	21,254	4,930	1,121	5,724	15,334	10,255	3,486	103	**75,647**	**120,925**
115	9,121	12,844	3,317	2,223	2,023	2,348	1,792	1,006	42	**34,716**	**45,831**
006	12,427	24,119	7,350	977	6,272	13,984	9,680	4,052	101	**78,962**	**108,968**
307	16,979	58,093	19,416	3,886	29,528	14,866	15,823	15,081	44	**173,716**	**220,023**
352	3,391	5,804	1,354	171	1,336	1,641	2,828	282	4	**16,811**	**19,663**
330	6,636	8,644	3,415	326	1,767	2,094	7,296	1,337	32	**31,547**	**44,877**
403	4,435	10,320	2 ,978	887	3,308	8,454	9,682	5,010	21	**45,095**	**55,498**
630	995	10,219	2,445	141	707	2,726	2,254	3,292	57	**22,836**	**33,466**
,762	30,378	17,966	43,217	4,508	6,394	29,950	19,588	17,542	256	**169,799**	**1,246,561**
325	169	1,299	129	—	1,270	182	399	221	—	**3,669**	**5,994**
976	—	—	—	—	—	—	—	—	—	—	**1,976**
,965	127,100	225,700	102,744	16,131	71,603	110,834	95,169	53,556	722	**803,559**	**2,196,524**

were volumes of Music.

TABLE

Shewing the classification of

Classification.	Lending Departments.						
	Everton Branch.	Toxteth Branch.	Kensington Branch.	Wavertree Branch.	Kirkdale Branch.	Andrew Carnegie Branch.	Total for Home Reading
Religion	97	86	51	69	335	39	677
Natural Science	126	91	78	255	394	41	985
Natural History	775	426	698	463	1,564	408	4,334
Arts, Handicrafts, Amusements	741	850	949	815	2,723	930	7,008
History and Biography	1,609	402	1,554	814	4,762	956	10,097
Voyages and Travels	586	880	492	664	2,706	882	6,210
Miscellaneous Literature	199	602	1,238	1,339	1,307	315	5,000
Poetry	186	133	284	173	503	183	1,462
Tales and Stories	22,505	26,998	20,738	17.588	56.607	21,911	166,347
Totals	26,824	30,468	26,082	22,180	70 901	25,665	202,120

VII.

volumes issued to Juveniles.

Reading Rooms.							Total Issues.
Everton Branch.	Toxteth Branch.	Kensington Branch.	Wavertree Branch.	Kirkdale Branch.	Andrew Carnegie Branch.	Total for Reading Rooms.	
119	25	8	456	511	107	**1,226**	**1,903**
50	10	282	149	247	68	**806**	**1,791**
1,410	85	1 002	1,076	2,501	553	**6,627**	**10,961**
965	58	1,530	3,214	1,958	841	**8,566**	**15,574**
1,808	44	495	2,985	5,309	941	**11,582**	**21,679**
1,862	78	1,030	2,501	1,515	1,220	**8,206**	**14,416**
4,998	19,998	4,266	8,085	7,579	5,014	**49,940**	**54,940**
385	6	709	313	1,133	261	**2,807**	**4,269**
20.661	6,673	25,769	4,284	16,539	16,180	**90,106**	**256,453**
32,258	26,977	35,091	23,063	37,292	25,185	**179,866**	**381,986**

TABLE VIII.—Shewing classification of Borrowers.

Occupation.	Central.	Everton Branch.	Toxteth Branch.	Kensington Branch.	Walton Branch.	Sefton Park Branch.	Wavertree Branch.	Kirkdale Branch	Andrew Carnegie Branch.	Total
Architects and Builders	52	4	14	20	13	2	20	2	7	134
Artists and Draughtsmen	56	13	29	17	9	8	19	7	6	164
Bakers, Butchers, and Grocers	48	49	93	97	34	28	51	41	32	473
Boilermakers and Riveters	23	7	12	15	8	2	1	13	—	81
Bookbinders and Printers	53	40	28	67	17	6	9	26	6	252
Bookkeepers and Clerks	1,453	312	506	573	380	225	431	283	365	4,528
Boot and Shoe Makers	33	8	12	9	6	3	9	10	4	94
Box Makers	36	8	19	3	1	—	—	14	2	83
Brass, Iron, &c., Founders	101	2	8	19	7	—	9	20	9	175
Bricklayers and Slaters	43	17	7	18	12	2	25	10	3	137
Cabinet Makers	184	5	21	37	3	—	16	8	3	277
Carpenters and Joiners	44	30	53	58	35	14	56	33	18	341
Chemists and Druggists	66	6	32	34	10	6	26	3	9	192
Clergymen and Doctors, &c.	37	7	15	17	8	9	29	15	28	165
Coach Painters and Builders	43	3	14	18	3	—	4	1	3	89
Cooks and Waiters	41	16	21	14	12	5	12	15	7	143
Customs' Officers, Police, &c.	181	62	61	110	34	46	47	30	28	599
Domestic Servants	51	16	60	22	14	27	10	14	33	247
Dressmakers and Milliners	101	45	45	58	43	22	20	35	24	393
Engineers, and Machinists	175	92	113	77	87	27	46	82	60	759
Farmers and Gardeners	92	1	6	6	4	9	19	—	6	143
Firemen	27	3	8	2	6	1	12	5	2	66
Hairdressers	34	11	11	9	4	3	13	5	2	92
Ironmongers	49	—	7	3	2	2	9	—	4	76
Labourers	150	102	75	40	19	7	22	70	4	489
Licensed Victuallers, &c.	59	6	11	13	6	2	9	7	1	114
Mariners	73	7	24	14	13	7	5	14	5	162
Merchants and Brokers	86	6	22	14	10	3	23	15	19	198
Messengers and Office Boys	156	130	126	106	59	30	91	102	20	820
Music Teachers	151	13	11	15	7	2	10	4	2	215
Musicians	76	6	11	32	4	5	12	5	10	161
Nurses	33	2	33	16	19	7	4	15	29	158
Painters and Plumbers	66	49	43	58	21	8	31	17	19	312
Pattern Makers and Turners	71	9	16	19	12	2	9	13	3	154
Pawnbrokers	53	16	6	10	6	—	13	10	1	115
Schoolmasters and Teachers	133	216	198	222	157	115	124	161	198	1,524
Shipwrights and Riggers	143	15	15	5	6	3	—	16	—	203
Smiths	47	9	9	14	7	2	5	14	2	109
Students and Scholars	195	1,231	1,226	1,039	373	187	337	2,268	942	7,798
Tailors and Drapers	166	23	33	69	10	6	16	18	13	354
Telegraphists and Typists	103	31	40	52	35	21	31	30	38	381
Tobacconists	74	6	9	24	1	—	7	9	6	136
Warehousemen and Storekeepers	144	48	34	80	15	7	5	28	7	368
Watchmakers and Opticians	122	7	6	8	2	2	14	2	2	165
Miscellaneous	530	211	133	118	179	82	290	176	195	1,914
No occupation (principally females)	412	1,030	1,935	1,349	1,056	999	1,622	826	2,074	11,303
Student Ticket Holders	1,205	338	408	329	314	269	329	301	488	3,981
Totals...	7,271	4,268	5,619	4,949	3,083	2,213	3,902	4,793	4,739	40,837

TABLE IX.—EVENING READING ROOMS.

	1907.		1906.	
	Attendance.	Average per Night.	Attendance.	Average per Night.
Chatsworth Street Council Schools.....303 Days	25,113	82	25,006	83
Stanley Road Council Schools .....300 ,,	53,867	179	47,616	157
Dryden Street..... 59 ,,	3,145	53	—	—
	82,125	314	72,622	240

FREE LECTURES.

DELIVERED IN THE PICTON LECTURE HALL,

JANUARY TO MARCH, 1907.

BEER, ADOLPH W. "Wessex, the cradle of England," with lantern illustrations.

BEYNON, RICHARD. "The wonders of wireless telegraphy," with lantern illustrations.

COOP, REV. J. O., M.A. "The French Revolution," with lantern illustrations.

CORTIE, REV. A. L., S.J., F.R.A.S., of Stonyhurst College Observatory. "The chemistry of the sun," with lantern illustrations.

CROWTHER, HENRY, F.R.M.S. "Life on a coral island," with lantern illustrations.

DIBDIN, E. RIMBAULT, Curator, Walker Art Gallery, Liverpool. "Holman Hunt," with lantern illustrations.

ELLIS, JOHN W., M.B., F.E.S. "The Dee from Arran to Hilbre," with lantern illustrations.

FORTAY, J. BUTLER. "Michael William Balfe, the man and his music," with vocal and instrumental illustrations.

GLEESON, REV. JOHN, F.R.G.S. "America of to-day, with lantern illustrations.

KENNEDY, HOWARD A. "The French John Bull: French Canadians and their ways," with lantern illustrations.

LESLIE, FRANK J., F.R.G.S. "Municipal Liverpool's seven centenaries," with lantern illustrations.

LUND, REV. T. W. M., M.A. "Byways of beauty and art in France," with lantern illustrations.

NELSON, PHILIP, M.D. "Coins and the stories they tell," with lantern illustrations.

Newett, Rev. W. H. "My journey to Barbary: Morocco at the present time," with lantern illustrations.

Norgate, Rev. T. T., F.R.G.S. "In the land of the Black Mountain: Montenegro," with lantern illustrations.

Scotter, R. H., C.E. "Great engineering achievements of the ancient and modern world," with lantern illustrations.

Wright, Rev. Cecil H. "Guiana, the Eldorado of Sir Walter Raleigh," with lantern illustrations.

Young, Ernest, B.Sc., late of the Education Department, Siam. "The Kingdom of the Yellow Robe: home life of the Siamese," with lantern illustrations.

Delivered in the Picton Lecture Hall,

October to December, 1907.

Anderson, Rev. Frank W., M.A. "Athens and the Greeks," with lantern illustrations.

Bacon, Miss Gertrude. "The coastwise lights of England," with lantern illustrations.

Beynon, Richard. "Nations in transit: an historical and descriptive account of the migrations of peoples from East to West," with lantern illustrations.

Coop, Rev. J. O., M.A. "1815: being the story of Napoleon in Elba, and the events which culminated in the Battle of Waterloo," with lantern illustrations.

Cortie, Rev. A. L., S.J., F.R.A.S., of Stonyhurst College Observatory. "The wonderful star in Cetus," with lantern illustrations.

Gaze, William E. "The story of the Soudan," with lantern illustrations.

Hill, Dr. Charles A., M.A. "A climber's holiday in Norway," with lantern illustrations.

Kennedy, John. "Romance of steam navigation," with lantern illustrations.

Marchant, E. W., D.Sc., Professor of Electrotechnics, University of Liverpool. "Wireless signalling," with experiments and lantern illustrations.

NEWETT, REV. W. H. "Oranges and alligators: experiences of a visit to Florida," with lantern illustrations.

O'CONNOR, MISS MADELEINE. "Irish life and song," with musical illustrations by the lecturer.

PIKE, OLIVER G., F.R.P.S. "Home life in Birdland," with lantern illustrations.

WELLS, SAMUEL, F.R.G.S., F.A.I. "In the shadow of Mount Etna: or, queer things about Sicily," with lantern illustrations.

YOUNG, HAROLD E. "A wayfarer in rural Japan," with lantern illustrations.

DELIVERED IN OUTER DISTRICTS,
JANUARY TO MARCH, 1907.

AINTREE INSTITUTE, LONGMOOR LANE:—

"Down a coal pit, and what may be seen there," by HENRY CROWTHER, F.R.M.S.; with lantern illustrations.

"The Dee from Arran to Hilbre," by JOHN W. ELLIS, M.B., F.E.S.; with lantern illustrations.

"The Highlands of Scotland," by DANIEL J. NEILL; with lantern illustrations.

"Nelson and his daring deeds," by WALKER R. YARDLEY; with lantern illustrations.

CORPORATION BATHS, LISTER DRIVE, WEST DERBY:—

"A visit to a paper mill, and what I saw there," by CHARLES COATES; with lantern illustrations.

"Burma and the Burmese," by E. W. EDWARDS; with lantern illustrations.

"Guiana: the Eldorado of Sir Walter Raleigh," by REV. CECIL H. WRIGHT; with lantern illustrations.

"Nelson and his daring deeds," by WALKER R. YARDLEY; with lantern illustrations.

"Deeds that won the Empire," by R. H. SCOTTER; with lantern illustrations. (To children only.)

Crosby Home Mission Hall, Commercial Road:—

"Ceylon: the country, and the habits, customs, &c., of the people," by Harry Hillman; with lantern illustrations.

"Romance of steam navigation," by John Kennedy; with lantern illustrations.

"From Cornwall to Canterbury: a modern pilgrimage," by Llewellyn Morgan, M.D.; with lantern illustrations.

"Marvels of insect life," by Fred. W. Saxby; with lantern illustrations.

Domestic Mission Hall, Mill Street, Toxteth:—

"The evolution of the merchant steamship," by Richard Beynon; with lantern illustrations.

"Rambles in Ireland: a record of personal adventure," by Rev. John Gleeson, F.R.G.S.; with lantern illustrations.

"Short stories and short story writers," by John Lee, B.A.; illustrated with recitals.

"The Kingdom of the Yellow Robe: home life of the Siamese," by Ernest Young, B.Sc., late of the Education Department, Siam; with lantern illustrations.

"The country of King Alfonso: the people, the places, the bull-fights, &c., of Spain," by Samuel Wells, F.R.G.S., F.A.I.: with lantern illustrations. (To children only.)

Everton Branch Library:—

"Wessex: the cradle of England," by Adolph W. Beer; with lantern illustrations.

"The Mammoth Caves of Kentucky: the marvels of a subterranean world," by Frederick Lambert, F.R.G.S.; with lantern illustrations.

ST. AMBROSE MISSION HALL, EVERTON:—

"Michael William Balfe: the man and his music," by J. BUTLER FORTAY; with vocal and instrumental illustrations.

"Marvels of insect life," by FRED. W. SAXBY; with lantern illustrations.

"England in the days of old," by REV. CHARLES HARRIS, M.A.; with lantern illustrations. (To children only.)

GRANBY HALL, GRANBY STREET:—

"Ceylon: the country, and the habits, customs, &c., of the people," by HARRY HILLMAN; with lantern illustrations.

"Byways of beauty and art in France," by REV. T. W. M. LUND, M.A.; with lantern illustrations.

"Four years at an Indian Court," by J. ERNEST NEVINS, M.B.; with lantern illustrations.

"In the land of the Black Mountain: Montenegro," by REV. T. T. NORGATE, F.R.G.S.; with lantern illustrations.

"Story of how a mountain grows," by REV. F. F. GRENSTED, M.A.; with lantern illustrations. (To children only.)

GREGSON MEMORIAL INSTITUTE, GARMOYLE ROAD, SEFTON PARK:—

"Strange stories of great composers," by REV. H. H. MCCULLAGH, B.A.; with lantern illustrations.

"In the land of the Black Mountain: Montenegro," by REV. T. T. NORGATE, F.R.G.S.; with lantern illustrations.

"Guiana: the Eldorado of Sir Walter Raleigh," by REV. CECIL H. WRIGHT; with lantern illustrations.

KIRKDALE BRANCH LIBRARY:—

"Brittany and the Bretons," by ADOLPH W. BEER; with lantern illustrations.

"Shetland: its scenery, history, life and customs," by REV. JAMES HAMILTON, M.A.; with lantern illustrations.

KIRKDALE BRANCH LIBRARY.—*Continued.*

"Hilbre Island: historical, descriptive, and natural," by LEWIS JONES; with lantern illustrations.

"In the land of the Black Mountain: Montenegro," by REV. T. T. NORGATE, F.R.G.S.; with lantern illustrations.

"Little folk of China and Japan: at their work and at their play," by W. MURRAY CAIRNS, M.B.; with lantern illustrations. (To children only.)

RAWDON READING ROOM, BRECK ROAD, ANFIELD:—

"Life in Queensland," by MRS. LOUISE HIRSCH; with lantern illustrations.

"French John Bull: French Canadians and their ways," by HOWARD A. KENNEDY; with lantern illustrations.

"The Mammoth Caves of Kentucky: the marvels of a subterranean world," by FREDERICK LAMBERT, F.R.G.S.; with lantern illustrations.

"Guiana: the Eldorado of Sir Walter Raleigh," by REV. CECIL H. WRIGHT; with lantern illustrations.

"Story of how a mountain grows," by REV. F. F. GRENSTED, M.A.; with lantern illustrations. (To children only.)

READING AND LECTURE ROOM, WELLINGTON STREET, GARSTON:—

"The Channel Islands," by MAJOR R. SINCLAIR ARCHER, V.D.; with lantern illustrations.

"Some aspects of Japanese life and character," by W. MURRAY CAIRNS, M.B.; with lantern illustrations.

"The land of the Southern Cross; or glimpses of Australia and New Zealand," by REV. R. B. DE WOLF, M.A.; with lantern illustrations.

"The evolution of the Navy: the construction of ships of war," by J. J. KERMODE; with lantern illustrations.

"Little folk of China and Japan: at their work and at their play," by W. MURRAY CAIRNS, M.B.; with lantern illustrations. (To children only.)

St. Catherine's Mission Hall, Uxbridge Street, Edge Hill:—

"The land of the Southern Cross: or glimpses of Australia and New Zealand," by Rev. R. B. De Wolf, M.A.; with lantern illustrations.

"Belgium, old and new," by John W. Ellis, M.B., F.E.S.; with lantern illustrations.

"Switzerland," by C. Thurston Holland, M.R.C.S., F.R.P.S.; with lantern illustrations.

"Mendelssohn and his music," by Rev. H. H. McCullagh, B.A.; with musical illustrations.

St. Michael's Church Room, Belgrave Road, Aigburth:—

"America of to-day," by Rev. John Gleeson, F.R.G.S.; with lantern illustrations.

"Earth movements and their causes," by Rev. F. F. Grensted, M.A.; with lantern illustrations.

"Life in Queensland," by Mrs. Louise Hirsch; with lantern illustrations.

"Music, ancient, mediæval, and modern," by Albert E. Workman; with musical illustrations.

St. Martin's Hall, Scotland Road:—

"A visit to a paper mill, and what I saw there," by Charles Coates; with lantern illustrations.

"Ceylon: the country, and the habits, customs, &c., of the people," by Harry Hillman; with lantern illustrations.

"Hilbre Island: historical, descriptive, and natural," by Lewis Jones; with lantern illustrations.

"Mountaineering and rock climbing in the British Isles," by George Seatree; with lantern illustrations.

"The country of King Alfonso: the people, the places, the bull-fights, &c., of Spain," by Samuel Wells, F.R.G.S., F.A.I.; with lantern illustrations. (To children only.)

KENSINGTON BRANCH LIBRARY:—

"The chemistry of the sun," by REV. A. L. CORTIE, S.J., F.R.A.S., of Stonyhurst College Observatory; with lantern illustrations.

"Hilbre Island: historical, descriptive, and natural," by LEWIS JONES; with lantern illustrations.

"The Mammoth Caves of Kentucky: the marvels of a subterranean world," by FREDERICK LAMBERT, F.R.G.S.; with lantern illustrations.

"The Kingdom of the Yellow Robe: home life of the Siamese," by ERNEST YOUNG, B.SC., late of the Education Department, Siam; with lantern illustrations.

"Fairy stories, old and new, from all lands," by JOHN LEE, B.A.; illustrated with recitals. (To children only.)

WESLEYAN HALL, HARLECH STREET, WALTON:—

"The Channel Islands," by MAJOR R. SINCLAIR ARCHER, V.D.; with lantern illustrations.

"Painters as story tellers," by E. RIMBAULT DIBDIN, Curator, Walker Art Gallery, Liverpool; with lantern illustrations.

"The lilies of the field: a romance of plant life," by REV. CHARLES HARRIS, M.A.; with lantern illustrations.

"Switzerland," by C. THURSTON HOLLAND, M.R.C.S., F.R.P.S.; with lantern illustrations.

WAVERTREE TOWN HALL:—

"The French Revolution," by REV. J. O. COOP, M.A.; with lantern illustrations.

"Painters as story-tellers," by E. RIMBAULT DIBDIN, Curator, Walker Art Gallery, Liverpool; with lantern illustrations.

WAVERTREE TOWN HALL—*continued.*

"America of to-day," by REV. JOHN GLEESON, F.R.G.S.; with lantern illustrations.

"The Kingdom of the Yellow Robe: home life of the Siamese," by ERNEST YOUNG, B.SC., late of the Education Department, Siam; with lantern illustrations.

"The wonderful life and doings of insects," by FRED. W. SAXBY; with lantern illustrations. (To children only.)

DELIVERED IN OUTER DISTRICTS,

OCTOBER TO DECEMBER, 1907.

AINTREE INSTITUTE, LONGMOOR LANE:—

"Painters as story-tellers," by E. RIMBAULT DIBDIN, Curator, Walker Art Gallery, Liverpool; with lantern illustrations.

"Life in Russia," by MAX HUNTERBERG; with lantern illustrations.

"Irish life and song," by MISS MADELEINE O'CONNOR; with musical illustrations by the lecturer.

"Ancient abbeys and their legends," by BASIL PENDLETON; with lantern illustrations.

CORPORATION BATHS, LISTER DRIVE, WEST DERBY:—

"Athens and the Greeks," by REV. FRANK W. ANDERSON, M.A.; with lantern illustrations.

"The coastwise lights of England," by MISS GERTRUDE BACON; with lantern illustrations.

"The evolution of the merchant steam-ship," by RICHARD BEYNON; with lantern illustrations.

"Irish life and song," by MISS MADELEINE O'CONNOR; with musical illustrations by the lecturer.

"The Indian Mutiny," by REV. J. O. COOP, M.A.; with lantern illustrations. (To children only.)

David Lewis Club, Great George Place, Toxteth:—

"The coastwise lights of England," by Miss Gertrude Bacon; with lantern illustrations.

"1815: being the story of Napoleon in Elba, and the events which culminated in the Battle of Waterloo," by the Rev. J. O. Coop, M.A.; with lantern illustrations.

"Irish life and song," by Miss Madeleine O'Connor; with musical illustrations by the lecturer.

"In the shadow of Mount Etna; or, queer things about Sicily," by Samuel Wells, F.R.G.S.; with lantern illustrations.

Everton Branch Library:—

"National festivals of physical training abroad," by H. Gregorius Brown, F.R.H.S.; with lantern illustrations.

"Switzerland," by C. Thurston Holland, M.R.C.S., F.R.P.S.; with lantern illustrations.

"The story of Hilbre Island, and what is to be seen there," by Lewis Jones; with lantern illustrations. (To children only.)

St. Ambrose Mission Hall, Everton:—

"Schumann and his music," by Rev. H. H. McCullagh, B.A.; with musical illustrations.

"Guiana, the Eldorado of Sir Walter Raleigh," by Cecil H. Wright; with lantern illustrations.

Granby Hall, Granby Street:—

"Switzerland," by C. Thurston Holland, M.R.C.S., F.R.P.S.; with lantern illustrations.

"Morocco as it is," by Rev. W. H. Newett; with lantern illustrations.

GRANBY HALL, GRANBY STREET—*continued.*

"Two English musicians: Sir William Sterndale Bennett and William Vincent Wallace," by ALBERT E. WORKMAN; with musical illustrations.

"A wayfarer in rural Japan," by HAROLD E. YOUNG; with lantern illustrations.

"The flags of the British Army and the tales they tell," by R. H. SCOTTER, C.E.; with lantern illustrations. (To children only.)

GREGSON MEMORIAL INSTITUTE, GARMOYLE ROAD, SEFTON PARK:—

"Rome, the Eternal City," by PETER COWELL, F.R.H.S., Chief Librarian, Free Public Libraries, Liverpool; with lantern illustrations.

"Black and White art," by E. RIMBAULT DIBDIN, Curator, Walker Art Gallery, Liverpool; with lantern illustrations.

"Life in ancient Assyria and Babylonia," by REV. F. F. GRENSTED, M.A.; with lantern illustrations.

"The Austrian lake-land," by GEORGE E. THOMPSON; with lantern illustrations.

KIRKDALE BRANCH LIBRARY:—

"National festivals of physical training abroad," by H. GREGORIUS BROWN, F.R.H.S.; with lantern illustrations.

"Welsh music and song," by MISS EDITH ROBERTS; with musical illustrations.

"Great engineering achievements of the ancient and modern world," by R. H. SCOTTER, C.E.; with lantern illustrations.

"In the shadow of Mount Etna; or, queer things about Sicily," by SAMUEL WELLS, F.R.G.S., F.A.I.; with lantern illustrations.

Rawdon Reading Room, Breck Road, Anfield:—

"Moated Halls and historic Manor Houses," by Adolph W. Beer; with lantern illustrations.

"Pictures in music," by Charles W. Budden, M.D; with lantern and musical illustrations.

"The life of the Chinese and Japanese," by W. Murray Cairns, M.B.; with lantern illustrations.

"Venice and the Venetians," by Peter Cowell, F.R.H.S., Chief Librarian, Free Public Libraries, Liverpool; with lantern illustrations.

"The hero tales of ancient Greece," by Henry Crowther, F.R.M.S.; with lantern illustrations. (To children only.)

Reading and Lecture Room, Wellington Street, Garston:—

"The wonderful star in Cetus," by Rev. A. L. Cortie, S.J., F.R.A.S., of Stonyhurst College Observatory; with lantern illustrations.

"To the coast and glens of Antrim and the Giant's Causeway," by Rev. R. B. De Wolf, M.A.; with lantern illustrations.

"Verdi, musician and patriot," by J. Butler Fortay; with musical illustrations.

"Home-life in Birdland," by Oliver G. Pike, F.R.P.S.; with lantern illustrations.

"The hero tales of ancient Greece," by Henry Crowther, F.R.M.S.; with lantern illustrations. (To children only.)

St. Catherine's Mission Hall, Uxbridge Street, Edgehill:—

"From the Mersey to the Bristol Channel," by Major R. Sinclair Archer, V.D.; with lantern illustrations.

"The coastwise lights of England," by Miss Gertrude Bacon; with lantern illustrations.

"A tour through Mexico," by J. J. Kermode, M.I.M.E.; with lantern illustrations.

"Glimpses of Grand Opera," by F. H. Seddon; with musical illustrations.

St. Michael's Church Room, Belgrave Road, Aigburth:—

"A cruise in the Western Fjords of Norway," by Rev. R. B. De Wolf, M.A.; with lantern illustrations.

"The romance of steam navigation," by John Kennedy; with lantern illustrations.

"Glimpses of Grand Opera," by F. H. Seddon; with musical illustrations.

"Iceland: the country, people, customs, &c.," by Frederick Summers; with lantern illustrations.

Kensington Branch Library:—

"National festivals of physical training abroad," by H. Gregorius Brown, F.R.H.S.; with lantern illustrations.

"Life in ancient Assyria and Babylonia," by Rev. F. F. Grensted, M.A.; with lantern illustrations.

"Schumann and his music," by Rev. H. H. McCullagh, B.A.; with musical illustrations.

"In the shadow of Mount Etna; or, queer things about Sicily," by Samuel Wells, F.R.G.S., F.A.I.; with lantern illustrations.

"Home-life in Birdland," by Oliver G. Pike, F.R.P.S.; with lantern illustrations. (To children only.)

Wesleyan Hall, Harlech Street, Walton:—

"Verdi, musician and patriot," by J. Butler Fortay; with musical illustrations.

"The Italian lakes: their scenery, art and archæology," by Rev. T. W. M. Lund, M.A.; with lantern illustrations.

"Sir Walter Scott and his country," by Daniel J. Neill; with lantern illustrations.

WESLEYAN HALL, HARLECH STREET, WALTON—*continued.*

"A wayfarer in rural Japan," by HAROLD E. YOUNG: with lantern illustrations.

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"Deeds that won the Empire," by R. H. SCOTTER, C.E.; with lantern illustrations. (To children only.)

DONATIONS.

British Museum Trustees:—

Catalogue of books and portraits illustrating the history of plant classification; Catalogue of the Greek coins of Phrygia, by B. V. Head; Catalogue of the lepidoptera phalænæ, vol. 6, with plates; Catalogue of the Madreporarian corals, by Henry M. Bernard, vol. 6; Guide to the exhibition of old natural history books; Guide to the fossil invertebrate animals, 1907; Guide to the great game animals (Ungulata); History of the collections contained in the Natural History departments, vol. 2; Illustrations of British blood-sucking flies, with notes by Ernest E. Austen; List of British seed plants and ferns exhibited in 1907; Memorials of Linnæus: collection of portraits, manuscripts, specimens and books exhibited to commemorate the bi-centenary of his birth, 1907; Monograph on the culicidæ or mosquitoes, by Frederick V. Theobald, vol. 4; National Antarctic expedition, 1901-4: natural history, vols. 1-3; Subject index of the modern works added to the library of the department of Natural History; Synonymic catalogue of orthoptera, by W. F. Kirby, vol. 2.

James Bromley, Esq., J.P.:—

Catalogue of the books, ancient deeds, manuscripts, etchings, drawings and curios in the collection of James Bromley, J.P.; Heraldry of Ormskirk Church, by James Bromley, J.P.

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Minute book of the Liverpool Unanimous Society, 1753; Liverpool General Advertiser, 5th April, 1787.

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Collection of autograph letters of subscribers, &c., to the memorial statue to the late Major-General Earle, St. George's Hall, Liverpool, 1885.

H. J. Hechle, Esq.:—

Log of the Brig "Ranger," 1789.

Councillor Robert D. Holt, d.l., j.p.:—

A history of the life of Colonel Nathaniel Whetham, a forgotten soldier of the Civil Wars, by Catherine Durning Whetham and W. C. D. Whetham, m.a., f.r.s. (2 copies).

The future of America, by H. G. Wells (for Wavertree Branch Library).

Miss Hornby:—

Santa Lucia: a monthly magazine in Braille type, 1907.

Miss M. L. Hornby:—

Books for the blind in Braille type, 64 vols.

Parks and Gardens Committee:—

The Collection of Botanical Works in the Botanic Gardens Library (681 vols.) was transferred during the year from the Parks and Gardens Committee to the Libraries Committee. For particulars see the Chief Librarian's Report.

Alderman Frederick Smith, j.p.:—

A record of the rejoicings and proceedings of the first visit of Their Majesties King Edward VII and Queen Alexandra to the City of Liverpool, on the occasion of the Laying of the Foundation Stone of the Liverpool Cathedral, 19th July, 1904 (6 copies for Reference and Branch Libraries: 1 copy bound in full blue morocco, with inlays and other decorations).

Smithsonian Institution, Washington, U.S.A.:—

Report of the Board of Regents, 1904-5; Report of the Bureau of American Ethnology, 1903-4; Proceedings of the United States National Museum, vols. 31-32; and 30 other reports, bulletins, &c.

Messrs. C. E. and C. Stretton:—

Various pamphlets, magazines and newspaper cuttings relating to railways and tramways.

Swedenborg Society:—

Emanuelis Swedenborgii Memorabilia seu diarium spirituale ab anno 1747 ad annum 1765 (a facsimile of the original manuscript reproduced by means of photo-typography), vols. 2-3.

UNITED STATES GOVERNMENT:—

Annual reports of the Department of Agriculture, 1904, 1906, 3 vols; Annual report of the Field Operations of the Bureau of Soils, 1905 (with maps), 2 vols; Annual report of the Office of Experiment Stations, 1905-6; and 543 other reports, bulletins, circulars, &c.

UNIVERSITY CORRESPONDENCE COLLEGE:—

Anthology of English verse, by A. J. Wyatt and S. E. Goggin; Duties and rights of citizenship, by W. D. Aston; London University guide, 1908; Matriculation directory, Nos. 45-47; New matriculation heat, by R. W. Stewart; New matriculation light, by R. W. Stewart; Perspective drawing, by S. Polak; Plant biology, by F. Cavers; Science German course, by C. W. P. Moffatt; Shakespeare: Richard II, by A. F. Watt; Systematic practical organic chemistry, by G. M. Norman; Technical electricity, by H. T. Davidge and R. W. Hutchinson; University Correspondent, 1907.

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Animals' Friend
Anti-Slavery Reporter
Arms and Explosives
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Great Western Railway Magazine
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Liverpool Catholic Times
Liverpool College Upper School Magazine
Liverpool Courier (daily and weekly)
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Liverpool Express
Liverpool Incorporated Chamber of Commerce Journal
Liverpool Institute Schools Magazine
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Liverpool Mercury (daily and weekly)
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Musicians' Report and Journal
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THE MUSEUMS.

The Director of Museums furnishes the Fifty-fifth Annual Report upon the CONDUCT and PROGRESS of the Museums.

I.—GENERAL.

THE FREE PUBLIC MUSEUMS comprise:—

(A) the LORD DERBY MUSEUM, of which the nucleus was the collections bequeathed in 1851 to the City, by the Thirteenth Earl of Derby. It contains both the *Local Area* and the *Systematic* Zoological, Geological, Mineralogical, and Botanical Departments, and in addition an *Aquarium*, containing both Fresh and Salt Water Animals, Amphibians and Reptiles.

(B) the MAYER MUSEUM, the larger part of which was collected and presented to the Corporation in 1867, by Joseph Mayer, Esq., F.S.A. These collections are specially rich in (*a*) *Egyptian, Babylonian, and Assyrian Antiquities;* (*b*) *Mediæval European Ivories, Bronzes and Illuminated Manuscripts;* (*c*) the unrivalled *Brian-Faussett Anglo-Saxon Collection;* (*d*) the *Mather Miniatures;* and (*e*) the very important *Pottery Collections*, conspicuously rich in Wedgwood and Old Liverpool Wares, arranged now in the section devoted to the handiwork of the *Caucasian* race. Associated with this Museum, as belonging to the subjects illustrated by it, though not forming to any large extent part of the Mayer Bequest, are (*f*) the collections illustrating the ethnography of the *Mongolian* and *Melanian* races.

These collections are housed in a building, the older portion of which was erected at the cost of the late Sir William Brown in 1860, and a large new extension, completed in 1902, erected by the City, and formally opened in 1906, which has nearly trebled the exhibition area of the Lord Derby Museum.

The Exhibition Galleries are open free to the public, as under:—During January, November and December, from 10 to 4; February, from 10 to 4-30; March and October, from 10 to 5; April to September, from 10 to 6; also on Monday *Evenings* during January to March, and October to December, from 7 to 10.

The Museums are closed on Sundays and Fridays (except the Fridays of Whit-, Easter and Christmas Weeks) throughout the year, as well as on Christmas Day, and days of Public Fast and Thanksgiving.

The Museums were not represented—and intercourse with one's co-workers is always an advantage to an Institution with so many departments as this—at any of the usual scientific meetings of the year.

The Director has, however, to acknowledge that, through the liberality of a private citizen, now deceased, he was enabled to attend the Pre-historic Congress of France at Autun, and to observe, with great advantage to his studies, many of the most interesting Palæolithic, Neolithic and Roman Settlements of Central France.

Since 1896, a period of twelve years, 70,465 specimens of Natural History and 10,477 specimens of Ethnography, totalling over 80,000 specimens, have been added to the collection, or on an average nearly 7,000 additions per year.

II.—Visitors.

The following table shows the total number of visitors to the Museums during the year compared with that of the year 1906:—

	1906. (263 Days.)	1907. (264 Days.)
Total Visitors	453,328 ...	466,328
Weekly Average	8,717 ...	8,967
Daily Average	1,723 ...	1,766

The attendance of school children under the charge of teachers has further increased, close upon 6,000 children and 150 teachers having availed themselves of the clause in the Education Code, whereby time devoted to instruction in Museums reckons as school attendance. School teachers are making occasional use of the Museum theatre to give special lessons to their pupils—specimens being brought from the Museum cases for illustrating them. Such a course is found to be of greater educational value than merely a general visit with no specific object. Lectures and demonstrations have been given by members of the Staff, on arrangement having previously been made by the teachers with the Director.

During the first six months of the year the lectures to the Pupil Teachers attending the Training College in Clarence Street, and the Church of England College in Colquitt Street, were resumed, lectures being given by the Director to the senior and junior students on alternate Fridays.

Persons desirous of employing the Museums for the purpose of research, reference or sketching may, by application to the Director, and on giving satisfactory references, obtain tickets enabling them to enter on Fridays, when special facilities are afforded to students. Tickets were issued, as usual, during the year (chiefly) to Artists, of whom a much larger number than heretofore have availed themselves of the advantages the Museum collections afford, and to Students of Natural History, Osteology and Dental Anatomy, who have made extensive use of the collections, mainly on the days when the Museums were closed to the public. This privilege was made use of by students on nearly 700 different occasions during the year. The pupils studying at the Liverpool School of Art attend in a body, regularly once a week.

The following, among others, have visited the Museums during the year for the purpose of inspecting the collections or other special object:—Dr. Hogg; Willoughby Gardner, Esq.; Professor Bosanquet (Greek Antiquities); His Excellency Lord Raglan, Governor of the Isle of Man; Thomas Brocklebank, Esq., Heswall; Professor Myers, Oxford; Sir Robert Ball; Professor G. Baldwin Brown (Anglo-Saxon Collection), Edinburgh; Rowland E. Turner, Esq., London; Johnston Watson, Esq., London; Professor Briggs (Museum fittings); Director and Mrs. Bumpus, American Museum of Natural History, New York (General); Dr. Robson, Rock Ferry; Dr. Scharff, Museum, Dublin (Exchanges); Professor Ehrenbaum; Professor Heincke; Allan H. Gardiner, Esq., Berlin (Egyptian Papyri); Professor R. Blanchard and Le Baron de Guerne, Paris (Zoological arrangements); C. J. Gabriel, Esq., Abbotsford, Australia (Mollusca); J. W. Baldwin, Esq., Bolton; F. D. Godman, Esq., D.C.L., Trustee of British Museum; Director H. N. Ridley, M.A., F.R.S., Royal Gardens, Singapore; Rev. O. Ridley; Richard Burn, Esq., C.S.I., Indian Civil Service, on behalf of Indian

Government (Museum fittings); Dr. Jean Capart, Museum, Brussels; Dr. F. G. Herbert Smith, British Museum, London; G. Wolliscroft Rhead, Esq., R.E., Putney; and Edward Bidwell, Esq., London.

III.—Lectures.

Twenty-four lectures were delivered by members of the Staff on Monday evenings, in the Lecture Theatre of the Museums. They were illustrated by specimens from the Museums and by lantern slides. The number of visitors to the Museums on these Monday evenings totals 10,508, of which a large percentage attends the various Lectures. The following is a list of the subjects:—

The concluding Lecture of a course on "The European Peoples: their origin and dispersal," was given on January 7th by the Director of Museums.

A course of six Lectures on "Natural History Rambles" was given on January 14th, 21st, 28th, February 4th, 11th and 18th, by Mr. W. S. Laverock, M.A., B.Sc., Assistant, Lord Derby Museum.

Two Lectures on "Remarkable Fishes" were given on February 25th and March 4th by Mr. Joseph A. Clubb, M.Sc., Assistant Curator, Lord Derby Museum.

Two Lectures on "Liverpool Printed Pottery" and "Wedgwood and his works" were given on March 11th and 18th respectively, by Mr. P. Entwistle, Assistant Curator, Mayer Museum.

A Lecture on "The Horse and its Ancestry" was given on March 25th by Mr. Joseph A. Clubb, M.Sc., Assistant Curator, Lord Derby Museum.

A course of six Lectures on "Bygone Liverpool" was given on October 7th, 14th, 21st, 28th, November 4th and 11th, by Mr. P. Entwistle, Assistant Curator, Mayer Museum.

A course of six Lectures on "The Natural History of Burrowing Animals" was given on November 18th, 25th, Dec. 2nd, 9th, 16th and 23rd, by Mr. W. S. Laverock, M.A., B.Sc., Assistant, Lord Derby Museum.

A. LORD DERBY MUSEUM.

Zoological Department.

(*a*) General.

Several dredging excursions have been undertaken during the year to the estuary of the Mersey and the Irish Sea, for the purpose of obtaining specimens for the Local Collection of Marine Fauna. Through the kindness of the Sanitary Sub-Committee, the City Engineer's Department gave permission for the Director to occasionally place members of the staff on board the "Beta," when on its periodic visits to the "Deposit Grounds," near the North-West Lightship. This vessel has been utilised also for the purpose of bringing fresh seawater from beyond the North-West Lightship for supplying the Aquarium. The thanks of the Committee are due to Captain Griffiths for his most willing help and courtesy during the trips on which the officers have accompanied him, and also for so frequently bringing in objects of interest to the Museum which have fallen in his way on other occasions.

The Science Cabinets, containing properly identified and labelled specimens on selected subjects, have been distributed to the various Elementary Schools in the City as in former years; applications have also become more numerous for specimens for object lessons (mainly Natural History), and for the series of Technical Appliances on loan from the Museums. The applications for these specimens numbered considerably over 200, involving upwards of 350 specimens. This increase in the applications for Museum specimens has necessitated considerable additions to the loan collections. This educational feature, which has for its purpose the promotion of scientific teaching throughout the City, is being more and more appreciated. Numerous applications, as has been stated in previous Reports, continue to be made to the Director by educational authorities, not only in England, but in America and Australia, for information as to the working of the system.

In the Local Area Gallery continued progress has been made during the past year with its re-arrangement and in the mounting of specimens of the Local Fauna. The following large Mammals

were set up ready for being placed on exhibition: Red Deer (male, female and fawn), Fallow Deer (female).

The following bird-groups have been prepared and added to the exhibited series during the year: Corn Bunting, Common Bunting, Reed Bunting, Migratory Bunting, Stock Dove, Cuckoo and Meadow Pipits, Shrike (Butcher Bird), Reed Warbler, Blackcap Warbler, Grasshopper Warbler, Lesser Whitethroat, Whinchat, Stone-chat, Redstart, Goldfinch, Great Spotted Woodpecker, Lesser Spotted Woodpecker, Wryneck and Tree Creeper.

A number of Fishes for the Local Collection have been prepared, both as preserved specimens and as plaster or *papier-maché* casts, and have been placed on exhibition, including specimens of Bearded Rockling, Cook's Wrasse, the Torpedo, Humantin and Scymnus Shark among others. Dredging excursions to obtain fresh specimens of fishes and other marine forms have been continued, and many specimens have been fixed and preserved.

The collection of British Mollusca is in course of preparation. The shells are to be placed in table-cases, and so raised near to the glass, whereby close inspection of the specimens is rendered possible. Spirit and fluid preparations of the animals are in course of preparation, and will be exhibited in upright cases. It is pleasing to add that the fullest advantage is being taken of the local collections of Butterflies and Moths on exhibition.

In the Local Botany section a series of models of British Fungi is in course of being arranged on exhibition, in upright cases.

To the Upper Gallery, where the systematic collections are arranged, many additions have been made. The skeletons of the Giraffe and Camel have been cleaned and re-mounted, and the old specimen of the Rhinoceros has been re-cast on a new model and partially prepared for exhibition. The series of skulls with antlers, of various deer, illustrating the growth of antlers from the "velvet," creates great interest. The general labelling of the cases and of their contents has also been proceeded with as rapidly as it could be undertaken by the printer. During the year progress has been

made in placing on exhibition further specimens of Fishes. Several specimens of Reptiles have been re-cast and mounted, and a good cast of the remarkable Egyptian Mastigure Lizard (*Uromastix spinifer*) has been placed on exhibiton.

In the carpenters' shops, in addition to the ordinary repairs and fittings, thirty-nine exhibition cases have been made—thirty-two to accommodate British Bird and Mammal groups with natural surroundings, two for British Fungi for the Local Area collection, and five cases for Mayer Museum. All case fittings, many stands, alteration of platform in Lecture Theatre, snow-boards, gangways, &c., on roof, many fittings in Aquarium, as well as a large number of miscellaneous appliances for the exhibition of specimens have also been devised and constructed.

(*b*) Conservation.

All the collections on exhibition have, so far as pressure on the staff has permitted, been periodically examined, dusted and kept free from moth or other pest. The store cabinets and tanks, containing specimens preserved both in fluid and dry preparations, have also been systematically gone over for the purpose of renewing the spirit or other preservative.

The collection of British Birds placed in the cases of the Entrance Hall of the Calderstones House have been examined from time to time, cleaned, and attended to by the taxidermist.

Two taxidermists have continued during part of the year the very urgent work of reducing to flat skins (for placing in the study cabinets and for their proper conservation) the vast number of specimens, both of mammals and of birds, remaining over after the representative generic series had been selected for exhibition. The mammals have now been completed, but several thousands of bird specimens still remain awaiting their turn. The work has proceeded so far that one of the two galleries which it is necessary now to use as storerooms for them, will soon be available for re-arrangement. The number of skins reduced during the year amounts to 1,675.

(*c*) Loans.

The following special loans of Museum specimens for purposes of scientific investigation were made during the year:—

Specimen of *Sphenopteris footneri*, lent to Mr. R. Kidston, Stirling.

Left half of Human Skull without lower jaw and skull cap, lent to Dr. Permewan.

One specimen of *Cettia squamiceps* [Type]; four specimens of *Cettia cetti*; three specimens of *Locustella luscinioides*; four specimens of *Acrocephalus turdoides*; lent to Dr. E. Hartert, Zoological Museum, Tring.

A series of Lantern Slides, lent to Mr. Lewis Jones, Hilbre Island.

A series of Lantern Slides, lent to Col. Wardlaw Ramsey, Whitehill, Rosewell, Midlothian, Scotland.

A large number of British Birds, lent to Mr. R. Nixon, Pupil Teachers' College, Clarence Street, and Church of England Pupil Teachers' College, Colquitt Street.

(*d*) Presents.

Among the donations with which the Museum collections have been enriched, the following deserve special mention:—

A Red Deer ("Stag Royal") from Banffshire, Scotland, collected and presented by F. D. Godman, Esq., D.C.L. (Trustee of the British Museum).

A large collection, numbering several hundred specimens, of Fossil Fishes, Shells and other Invertebrates, and a number of Rocks and Minerals; presented by Miss Barker, The Fox Covers, Bebington.

(*e*) Exchanges.

Specimens of *Anthus spinoletta* and *Zapornia parva* were exchanged for a series of Cave Bones from Irish localities (see A. 27. 11. 07. 1-15; B. 27. 11. 07. 1-6; C. 27. 11. 07. 1; D. 27. 11. 07. 1 and 2) with Dr. Scharff, Science and Art Museum, Dublin.

The following specimens of Shells:—1 *Cypræa boivini*; 2 *C. albuginosa*; 1 *C. subviridis*; 2 *C. arabicula*; 1 *C. stolida moniontha*; 2 *C. radians*; 1 *C. polita*; 2 *C. edentula*, and 1 *Oliva splendidula* were exchanged for thirty-one species of shells (see D. 14. 9. 07. 1-31), with C. J. Gabriel, Esq., Abbotsford, Australia.

(*f*) Acquisitions.

INVERTEBRATES—

Cœlenterata.

Seven Colonies of Zoophytes, representing the following species:—*Clytia Johnstoni*, *Aglaophenia pluma*, *Tubularia crocea*, *Plumularia pinnata*, *Sertularella gayi*, and *Gonothyraea loveni*. (D. 20. 3. 07. 1-6) from various localities; purchased.

About 100 specimens of Graptolites, Corals, &c., part of a miscellaneous collection of Fossils (D. 11. 10. 07. 1. &c.); presented by Miss Barker, The Fox Covers, Bebington.

Echinoderma.

About 20 specimens of Fossil Echinoderms (D. 11. 10. 07. 1, &c.), part of a miscellaneous collection; presented by Miss Barker.

Arthropoda.

Tracheata.

One Centipede, five Spiders, one Scorpion, seven Termites and one Moth (*indet.*) (D. 28. 3. 07. 1-6), from Buguma, West Coast of Africa; collected and presented by Mr. N. E. Halliley, Fort Bellamy, Buguma, per Mr. A. Ridyard.

Hemipterous Insect and a Longicorn Beetle (*indet.*), found in a piece of African mahogany (D. 11. 6. 07. 1 and 2); presented by Mr. W. Swan, 10, Viola Street, Bootle.

Dragon Fly (*Æschna grandis*) (D. 30. 7. 07. 1); purchased.

The Lunar Yellow Underwing Moth (*Tryphæna subsequa*) (D. 9. 8. 07. 1), found in the Museums.

Bumble Bee (*Bombus terrestris*) (D. 17. 8. 07. 1), from Llangynhafal, near Ruthin, North Wales; collected and presented by Miss J. F. Bragg, 45, Alderley Road, Hoylake.

Centipede (*indet.*) (D. 22. 8. 07. 1), found at the Docks; collected and presented by Mr. H. W. Molyneux, Broadgreen, Liverpool.

Saw-fly (*Sirex gigas*) (D. 19. 9. 07. 1), from Dolwyddelen; collected and presented by Mr. Henry D. Brandeth, Dolwyddelen.

Orthopterous Insect (*Panchlora viridis*) (D. 19. 10. 07. 1); presented by Mr. W. Briscoe, 2, Holyrood Terrace, Liverpool.

Seventeen Parasites of the Orkney Vole (8 *Ctenophthalmus agyrtes* ♂ and ♀, 8 *Ctenophyllus pencilliger* ♂ and ♀, 1 *Hystrichopsylla talpæ* ♀) (D. 5. 11. 07. 1); collected and presented by Mr. Geo. Ellison, 4, Loudon Grove, Princes Park, Liverpool.

Spider (*Mygale sp.*) (D. 4. 12. 07. 1), from Jamaica; purchased.

Crustacea.

About 17 specimens of Fossil Crustacea (D. 11. 10. 07. 1. &c.), part of a collection of Fossils; presented by Miss Barker, Bebington.

Brachiopoda.

About 100 specimens of Fossil Brachiopoda (D. 11. 10. 07. 1. &c.), part of a miscellaneous collection; presented by Miss Barker.

Polyzoa.

A few specimens of Fossil Polyzoa (D. 11. 10. 07. 1. &c.), part of a miscellaneous collection; presented by Miss Barker.

Mollusca.

Four Fossil Shells (*indet.*) (D. 27. 2. 07. 1), from Barry, Cardiff; collected and presented by Captain Routledge, 7, Oakdale Road, Mossley Hill, Liverpool.

Four Cuttlefishes (*Loligo media* and *L. marmorea*) (D. 8. 6. 07. 1-2), from the Estuary of the Dee; collected and presented by Captain Griffith, Steam Hopper Barge "Beta."

Small collection of Shells consisting of the following:—*Acmæa flammea, A. marmorata, Bankivia fasciata, Calliostoma allporti, C. meyeri, Calyptræa calyptraeformis, Clanculus plebeius, Conus anemone, Diloma odontis, Drillia novae-zealandiae, Eunaticina umbilicata, Imperator imperialis, Lotorium subdistortum, Marginella muscaria, M. johnstoni, M. turbinata, M. pygmæa, Paraphanta atramentaria, Patella aculeata, P. tramoserica, Phasianella australis, Phasianotrochus irisodontes, Siphonaria baconi, Terebra bicolor, Trophon paivae, Viviparа australis, Cardita bimaculata, Chione nitida, Limopsis rubricata, Meretrix planatella, Mesodesma glabrella.* (D. 14. 9. 07. 1-31) from Australia and New Zealand; received in exchange.

Nearly 400 specimens of Fossil Lamellibranchs, Gastropods, and Cephalopods (D. 11. 10. 07. 1. &c.), part of a miscellaneous collection; presented by Miss Barker, The Fox Covers, Bebington.

VERTEBRATES.

Fishes.

Cook Wrasse (*Labrus mixtus*) (C. 24. 1. 07. 1), from the Bay of Biscay; collected by Captain Brett, trawler "Mabel," and presented by Messrs. Harley & Miller, St. John's Market, Liverpool.

Eagle Ray (*Myliobates aquila*) (C. 27. 2. 07. 1), from the Bay of Biscay; purchased.

Sea Perch (*Labrus lupus*) and Red Gurnard (*Trigla pini*) (C. 19. 4. 07. 1. and 2); Long-nosed Garpike (*Lepidosteus osseus*), Port Jackson Shark (*Heterodontus philippi*) (C. 3. 5. 07. 1. and 2) and a Monk Fish (*Rhina squatina*) (C. 18. 5. 07. 1); found to be unregistered, and now referred to this date.

Short-spined Cottus (*Cottus scorpius*) (C. 24. 4. 07. 1), from Hilbre Island; collected and presented by Mr. Philip Wearing, Green Lodge Hotel, Hoylake.

Three Walking Fish (*Periophthalmus koelreuteri*) and nineteen Fish (*indet.*) (C. 11. 7. 07. 1), from Cape Palmas, Liberia; collected and presented by the Rev. S. D. Ferguson, Junr., Cape Palmas, per Mr. A. Ridyard.

Two Vendace (*Coregonius vandesius*) (C. 17. 8. 07. 1), from Lochmaben, Dumfriesshire; presented by the President and Committee of the Vendace Club, Lochmaben, per Alderman M. Hyslop Maxwell, J.P.

A few Fossil Fishes (C. 11. 10. 07. 1. &c.), part of a miscellaneous collection; presented by Miss Barker, The Fox Covers, Bebington.

Amphibia.

Two Fire-bellied Toads (*Bombinator igneus*) (C. 2. 9. 07. 1); presented by Dr. J. H. O'Connell, 38, Heathfield Road, Wavertree, Liverpool.

Reptiles.

Rough Terrapin (*Nicoria punctularia*) (B. 26. 1. 07. 1), from Para, South America; presented by S. J. H. Hollis, Esq., 10, Burleigh Road, Liverpool.

Snake (*Eryx sp.*) (B. 20. 2. 07. 1); Egyptian Mastigure (*Uromastix spinifer*) (B. 22. 5. 07. 1) and Hawk-billed Turtle (*Chelone imbricata* (B. 28. 9. 07. 1); presented by Dr. J. H. O'Connell, 38, Heathfield Road, Wavertree, Liverpool.

Egg of Crocodile (*indet.*) (B. 21. 2. 07. 1), from Iquitos, South America; presented by Mr. J. M. McEntegart, University of Liverpool.

Turtle (*indet.*) (B. 28. 3. 07. 1), from Cape Palmas, West Africa; presented by Mr. E. N. Thomas, Cape Palmas, per Mr. Ridyard.

Snake and fragment of Snake (*indet.*) (B. 28. 3. 07. 4), from Buguma, West Africa; presented by Mr. N. E. Halliley, Buguma, per Mr. Ridyard.

Hawk-billed Turtle (*Chelone imbricata*), very young (B. 11. 7. 07. 1), from Cape Palmas, Liberia; presented by the Rev. S. D. Ferguson, Junr., Cape Palmas, per Mr. Ridyard.

Skink (*Chalcides ocellatus*) (B. 24. 8. 07. 1); presented by Mr. W. Swan, 10, Viola Street, Liverpool.

Two Chameleons (*Chamaelon basiliscus*) (B. 9. 10. 07. 1); presented by Mr. J. W. Reynolds, 44, Grey Road, Walton.

Gecko (*Tarentola delalandii*) (B. 10. 10. 07. 1); purchased.

Young Crocodile (*Osteolaemus tetraspis*), living (B. 14. 10. 07. 1), from Brass, West Africa; presented by Mr. J. D. Maysmor, per Mr. Ridyard.

Gecko (*Tarentola delalandii*) (B. 21. 10. 07. 1); presented by Mr. W. Hamill, 2A, Queen's Square, Liverpool.

Turtle (*Clemmys leprosa*) (B. 5. 11. 07. 1), from Spain; presented by Mrs. Keeps, 8, Nile Street, Liverpool.

Skink (*Scincus sp.*) (B. 25. 11. 07. 1), found on board a steamer from Constantinople; collected by P. C. Grayson, and presented by Mr. Francis H. Cross, Melrose Hotel, Kirkdale, Liverpool.

The small collection of Reptiles (B. 13. 9. 06. 1-20), recorded on page 29 of the Report for 1906, were presented by Dr. J. H. O'Connell, 38, Heathfield Road, Wavertree.

Birds.

Yellow-fronted Amazon Parrot (*Chrysotis æstiva*) (B. 2. 1. 07. 1), Mandarin Duck (*Æx galericulata*) ♂, and Pintail Conure (*Conurus acuticaudatus*) ♀ (B. 6. 2. 07. 1 and 2) and a Whistling Duck (*Dendrocygna javanica*) (B. 27. 4. 07. 1) from the Aviaries at the Botanic Gardens; Crested Pigeon (*Ocyphaps lophotes*) (B. 8. 3. 07. 1), Magpie (*Pica rustica*) (B. 13. 3. 07. 1), Snow Goose (*Chen albatus*) ♀, (B. 26. 7. 07. 1), Allen's Porphyrio (*Porphyriola alleni*) (B. 19. 10. 07. 1), Purple Gallinule (*Porphyrio porphyrio*) (B. 25. 10. 07. 1), Rose-coloured Pastor (*Pastor roseus*) (B. 2. 12. 07. 1), Nicobar Pigeon (*Calænas nicobarica*) and a Canada Goose (*Bernicla canadensis*) (B. 27. 12. 07. 1 and 2) from the Aviaries at Sefton Park; presented by the Parks and Gardens Committee of the City Council, per the Superintendent.

Nankeen Night Heron (*Nycticorax caledonicus*), (B. 17. 1. 07. 1), from Australia; presented by Miss Alice Wood, 4, Hope Place, Liverpool.

Two Lyre Birds (*Menura superba*) (B. 4. 3. 07. 1), from Australia; presented by Fred. H. Gossage, Esq., Camp Hill, Woolton, Liverpool.

Egg of Goosander (*Mergus merganser*) (B. 25. 3. 07. 1), from Loch Cama, Sutherlandshire, Scotland; presented by Mr. David Anderson, Blundellsands.

Bird (*indet.*), from the Bay of Biscay, and thirteen Eggs of Francolin (?) (B. 28. 3. 07. 1 and 2, &c.), and Bird (*indet.*) (B. 8. 7. 07. 1), from off Sierra Leone; collected and presented by Mr. A. Ridyard, Chief Engineer, s.s. "Addah."

Short-eared Owl (*Asio brachyotus*) (B. 8. 4. 07. 1); presented by Mrs. Parry, 27, Rockingham Street, Liverpool.

Six Meadow Pipits (*Anthus pratensis*) (B. 19. 4. 07. 1), from Cambridgeshire; purchased.

Eight Photographic Prints of Birds and Nests, viz.:—Black-headed Gulls and young; Herring Gull Chicks on nest; Herring Gull Chicks hiding; Common Gull Chicks hiding; Eider Drake, Duck and Ducklings; Young Dipper; Female Peewit and Peewit Chicks hiding (B. 25. 5. 07. 1-6); photographed and presented by Dr. Francis Heatherly, "Endellion," Rock Ferry.

Jay (*Garrulus glandarius*) fledgling (B. 15. 6. 07. 1); collected and presented by Mr. J. W. Cutmore, Museums, Liverpool.

Egyptian Goose (*Chenalopex ægyptiacus*) (B. 29. 7. 07. 1), from Market Drayton Canal, near Staddlethorpe; presented by the late J. R. Paton, Esq., of Grassendale.

Heron (*Ardea cinerea*) juv. (B. 22. 8. 07. 1), from Greasby, Cheshire; collected and presented by A. E. Brotherton, Esq., Greasby.

Kittiwake Gull (*Rissa tridactyla*) imm. (B. 23. 8. 07. 1); presented by George Dickenson, Esq., 10, Water Street, Liverpool.

Blackbird (*Turdus merula*) ♂ albino var. (B. 6. 5. 07. 1), and Great Northern Diver (*Colymbus glacialis*) (B. 3. 12. 07. 1), from Bordorgan, Anglesey; presented by John H. Billinge, Esq., Meyrick Arms Hotel, Anglesey.

Two Goldfinches (*Carduelis elegans*) ♂ and ♀ , and a Whinchat (*Pratincola rubetra*) (B. 7. 5. 07. 1 and 2), from Suffolk; purchased.

Nest of Long-tailed Tit (*Acredula caudata*) (B. 31. 10. 07. 1); collected and presented by William Forbes, Esq., Lea Park, Blairgowrie, Scotland.

Bewick's Swan (*Cygnus bewicki*) and a Crested Grebe (*Podiceps cristatus*) (B. 22. 11. 07. 1 and 2); purchased.

Egg of *Pygoscelis adeliæ*, egg of *Megalestris macormicki*, and an Egg (*indet.*) (B. 26. 11. 07. 1, 2 and 3), from the Antarctic Regions; collected by the "Discovery" Expedition, and presented by the Trustees of the British Museum (Nat. Hist.).

Crimson-eared Weaver (*Estrilda phœnicotes*) (B. 28. 12. 07. 1); presented by Mr. Francis G. Biggs, 26, Christchurch Road, Birkenhead.

Twenty-seven Bones of the following Birds:—Turkey, Mallard, Pheasant, Blackbird, Starling and Rook (B. 27. 11. 07. 1-6), part of a small collection of Cave-bones from Counties Clare and Sligo, Ireland; received in exchange.

Egg of Black Grouse (*Tetrao tetrix*) (B. 23. 12. 07. 1); found to be unregistered and now referred to this date.

Mammals.

Greater Horse-shoe Bat (*Rhinolophus ferrum-equinum*) (A. 8. 1. 07. 1), from Cheddar, Somersetshire; collected and presented by Mr. T. A. Coward, Brentwood, Bowdon, Cheshire.

Skin and Skull of Polar Bear (*Ursus maritimus*) ♂ (A. 15. 2. 07. 1); purchased.

White-bellied Pangolin (*Manis tricuspis*) (A. 28. 3. 07. 1), from Cape Palmas, West Coast of Africa; collected and presented by the Rev. S. D. Ferguson, Junr., per Mr. A. Ridyard.

Lower Jaw of Ass (A. 3. 4. 07. 1), from the submerged forest at Leasowe (at one time the property of Lionel Cust, Esq., of Leasowe Castle); presented by R. H. Maggs, Esq., 42, Dale Street, Liverpool.

Lesser Shrew (*Sorex pygmaeus*) (A. 22. 4. 07. 1), from Moreton, Cheshire; collected and presented by Mr. J. A. Clubb, M.Sc., the Museums, Liverpool.

Lemming (*Myodes lemmus*) (A. 24. 4. 07. 1); purchased.

Human Skull (Caribbean Islander ?) (A. 15. 5. 07. 1), from "Colorado River"; presented by Dr. Robson, "Englewood," Rock Lane W., Rock Ferry.

Guinea Pig (A. 11. 7. 07. 1); presented by the Rev. S. D. Ferguson, Cape Palmas, Liberia, West Africa, per Mr. Ridyard.

Fifteen Orkney Voles (*Microtus orcadensis*), 9 ♂, 4 ♀, 1 imm. (A. 12. 7. 07. 1; 15. 7. 07. 1; 8. 7. 07. 1; 31. 7. 07. 1; 7. 8. 07. 1; 14. 8. 07. 1 and 5. 11. 07. 1), from the Loans, Stromness, Orkney Island; and one Lesser Shrew (*Sorex pygmaeus*) (A. 4. 9. 07. 1), from Orkney Island; collected and presented by Mr. George Ellison, 4, Loudon Grove, Liverpool.

Common Mouse (*Mus musculus*) (A. 31. 8. 07. 1); presented by Mr. W. Swan, 10, Viola Street, Bootle.

Mummied Head of Sloth (?) (A. 5. 9. 07. 1), from Peru; collected and presented by Captain A. J. Cooper, Oxcombe, Horncastle.

Red Deer (*Cervus elaphus*) ♂ (A. 12. 10. 07. 1), from Tomintoul, Banffshire, Scotland, collected and presented by F. Du Cane Godman, Esq., D.C.L., South Lodge, Horsham, Sussex (a Trustee of the British Museum).

Red Deer (*Cervus elaphus*), ♀ (A. 9. 11. 07. 1); purchased.

Fallow Deer (*Cervus dama*), ♀ (A. 21. 11. 07. 1); purchased.

Black Water-Vole (*Arvicola amphibius*) (A. 22. 11. 07. 1); purchased.

Two Brown Rats (*Mus decumanus*), ♂ and ♀ (A. 23. 11. 07. 1 and 2); purchased.

Fallow Deer ♂ and Fawn (*Cervus dama*) (A. 24. 11. 07. 1); purchased.

Pair of Horns (*indet.*) (A. 14. 10. 07. 1), from Mongo Nyanga, French Congo, South-West Africa; collected and presented by Mr. Williams, Regent Road, Sierra Leone, per Mr. Ridyard.

A Series of Coloured Plaster Models of the right half of the skulls (cranium and mandible) of *Hipparion*, *Mesohippus* and *Hyracotherium*, a Series of Models of the Right Upper Cheek Teeth (showing grinding surfaces) of *Hyracotherium*, *Mesohippus*, *Anchitherium*, *Hipparion* and Horse, and a Series of Casts and Models of Feet (fore and hind) illustrating the evolution of the horse (A. 25. 11. 07. 1-13); purchased.

Two Skins of Seals (*Lobodon carcinophagus*) ♂ (*Leptonychotes weddelli*) ♂ (A. 26. 11. 07. 1 and 2), from Ross Sea and South Victoria Land respectively; collected by the "Discovery" Antarctic Expedition 1901-4, and presented by the Trustees of the British Museum (Nat. Hist.).

A small collection of Cave-bones, containing 176 specimens, consisting of complete bones and fragments of bones and teeth of the following animals:—Fox, Sheep, Red Deer, Cat, Reindeer, Bear, Horse, Hare, Irish Elk, Goat, Rabbit, Pig, Dog, Badger and Ox (A. 27. 11. 07. 1-15), from the Caves in Counties Clare and Sligo, Ireland; received in exchange.

White-tailed Gnu (*Connochates gnu*) ♀ (A. 13. 12. 07. 1); presented by W. Simpson Cross, Esq., Cross's Menagerie, Liverpool.

Fallow Deer (*Cervus dama*) ♂ (A. 28. 12. 07. 1); purchased.

Botany.

Fifty-nine samples of various kinds of Cotton (E. 11. 1. 07. 1-59), representing all the varieties which were specially exhibited on the occasion of the opening of the new Liverpool Cotton Exchange, by H.R.H. The Prince of Wales, January 2nd, 1907; presented by the President and members of the Liverpool Cotton Association.

Specimen of *Jungermannia tamarisci* and a piece of Bast (*indet.*) (E. 14. 1. 07. 1 and 2); presented by Mr. T. N. Latham, Museums, Liverpool.

Two volumes of "Hough's American Woods" and two volumes of corresponding letterpress, comprising fifty-one series of three sections each (E. 12. 4. 07. 1, &c.); purchased.

Sixty-one specimens of Timbers and twenty-four specimens of Dye Woods (E. 1. 6. 07. 1-78): found to be unregistered and now referred to this date.

Eighteen specimens of Shale, Cannel and Sandstone, with plant remains, &c. (E. 4. 6. 07. 1, &c., and 10. 6. 07. 1-4), from coal mines at Wigan; collected and presented by Mr. Haworth, Wigan Coal and Iron Company, Wigan.

Two balls of Native Rubber (E. 12. 7. 07. 1), probably from Assinee, Gold Coast, West Africa; collected and presented by Mr. A. Ridyard, Chief Engineer, s.s. "Addah."

Five specimens of *Primula scotica*, Hook (E. 15. 8. 07. 1), from Stromness, Orkney Island; collected and presented by Mr. George Ellison, 4, Loudon Grove, Princes Park, Liverpool.

About fifty specimens of Fossil Plants (E. 11. 10. 07. 1, &c.): part of a small general collection presented by Miss Barker, The Fox Covers, Bebington, Cheshire.

Four Photographic Prints of Mahogany Tree being converted into logs in an African forest (E. 30. 12. 07. 1): presented by Mr. J. A Weale, Messrs. Williams, Weale & Co., Boundary Place, Liverpool.

Geology.

Small Piece of Volcanic Ash (F. 21. 5. 07. 1), from Mount Etna; collected and presented by Mr. D. Hargreaves, 38, Ennismore Road, Stanley, Liverpool, per Mr. H. Powell.

Two specimens of Pyrolusite, three specimens of Psilomelane and one specimen of Specular Iron (F. 9. 10. 07. 1-3), from the Glandore Mines, Co. Cork, Ireland; presented by Mr. J. Washington, 31, Dunraven Road, West Kirby.

About 100 specimens of Rocks and Minerals (F. 11. 10. 07. 1. &c.): part of a miscellaneous collection presented by Miss Barker, The Fox Covers, Bebington.

Piece of Marble (F. 6. 12. 07. 1), found to be unregistered and now referred to this date.

Economic.

A miscellaneous collection of Vegetable Imports, Economic Rock and Minerals, containing upwards of 200 specimens, made by the late Mr. John Given (E. 14. 6. 07. 1, &c., and F. 14. 6. 07. 1, &c.); presented by Mrs. Given, Aigburth Lodge, Aigburth Road, Liverpool.

(*g*) Deposits.

Twelve Heads of East African Large Game, viz., two Lesser Kudu, two Coke's Hartebeeste, one Water Buck, one Reed Buck and one Sable Antelope; deposited on loan by J. E. Stocker, Esq., per J. M. T. Stoker, Esq., Brookfield Gardens, West Kirby.

Crocodile (*Mecistops cataphractus*) living in the Aquarium; deposited by Dr. J. H. O'Connell, 38, Heathfield Road, Wavertree.

The Aquarium.

The Aquarium continues, as heretofore, to be one of the chief attractions of the Museum.

The new system of aeration of the salt-water tanks continues to prove satisfactory, and a very large number of marine species have been on view, as seen from the subjoined list. Many of the animals have reproduced in the tanks, thus testifying to the more natural conditions under which they live.

The fresh-water tanks have been kept well stocked with specimens.

The efforts made to keep the tropical African Fishes in a healthy condition continue to be successful, and the great interest taken in them, both by specialists and the ordinary visitor is marked.

The Trout tanks continue in good condition. As the fish from the various hatches increase in size, they become too large for the accommodation available, and a number of specimens of Rainbow

Trout are presented each year either to the Parks and Gardens Committee for distribution in the Park lakes, to the City Angling Association, or to local pisciculturists.

The Seal is in good health, has grown very much in size, and continues to be a great attraction to both young and old. Classes from the Elementary Schools and other pre-arranged parties continue to make special visits to the Aquarium, and Mr. Clubb occasionally takes the opportunity of giving short addresses to them.

The services of Captain Griffiths, of the Corporation Barge "Beta," who continues to bring living specimens of Fishes and other marine animals, and of Dr. J. H. O'Connell and others for gifts and loans of interesting specimens, are highly appreciated.

The following species have been exhibited alive during the year, those with an asterisk being alive at the date of this report (new labels, with coloured drawings of the species living in the tanks, have been affixed above certain tanks):—

Marine Sponge (*Halichondria panicea*); Fresh Water Hydræ* (*Hydra viridis* and *H. fusca*); Zoophytes (*Antennularia ramosa*. **Hydractinia echinata*): Sea-Anemones, Dahlia Wartlet* (*Tealia crassicornis*): **Sagartia ornata*; Plumose Anemone* (*Metridium dianthus*); Beadlet* (*Actinia equina*): Cave-dwelling Anemone (*Sagartia troglodytes*): Gem Pimplet* (*Bunodes gemmacea*); The Globehorn* (*Corynactis viridis*); The Opelet* (*Anemonia sulcata*); The Snake-locked Anemone* (*Sagartia viduata*); British Coral* (*Balanophyllia regia*): Dead Men's Fingers* (*Alcyonium digitatum*): Sea Urchins (*Echinus sphæra*); Heart Urchins; Various Starfishes: Horse Leech* (*Hæmopsis vorax*); Sea-Mouse (*Aphrodite aculeata*); Marine Tube Worms: Fresh-Water Polyzoa* (*Plumatella repens, Lophopus crystallinus*): Barnacles; American King Crab* (*Limulus polyphemus*): Edible Crab* (*Cancer pagurus*); Common Shore Crab* (*Carcinus mœnas*): Hermit Crab* (*Eupagurus bernhardus*); Spider Crabs (*Stenorhynchus rostratus* and *Inachus dorsettensis*); Slender Spider Crab (*Stenorhynchus tenuirostris*): Cleanser Swimming Crab* (*Portunus depurator*); Shrimp* (*Crangon vulgaris*); Prawn (*Pandalus annulicornis*); Common Lobster (*Homarus vulgaris*); Centipede (*sp. indet.*); Water Spider: Larva of Dragon Fly;

Pecten (*P. opercularis*); Cockle (*Cardium aculeatum*); Water Snail* (*Limnæus stagnalis*): Land Snails* (*Helix nemoralis* and *H. aspersa*); Nudibranchs or Sea-slugs (*Doris tuberculata, D. bilamellata, Eolis papillosa, E. coronata, E. rufibranchialis, Dendronotus arborescens*): Lesser Weever (*Trachinus vipera*): Fresh Water Eel* (*Anguilla vulgaris*): Hybrid Trout* (*S. fario* and *levenensis*); Loch Leven Trout* (*Salmo levenensis*); Rainbow Trout* (*Salmo irideus*); Crucian Carp* (*C. carassius*): Common Mirror and Carp* (*Cyprinus carpio*); Rudd* (*Leuciscus erythrophthalmus*): Three spined Stickleback (*Gasterosteus aculeatus*); Nine spined Stickleback (*Gasterosteus pungitius*); Minnow*; Bream*; Butter Fish* (*Centronotus gunellus*): Dace* (*Leuciscus leuciscus*): Fresh Water Gudgeon* (*Gobio fluviatilis*); Common and Gold Tench* (*Tinca vulgaris*); Roach* (*Leuciscus rutilus*); Pike* (*Esox lucius*): Perch* (*Perca fluviatilis*); Ruffe (*Acerina vulgaris*): African Mudfish* (*Protopterus annectens*); Walking Fish* (*Periophthalmus koelreuteri*); Father-lasher (*Cottus scorpio*); Five-bearded Rockling (*Motella mustela*): Sea Snail (*Liparis vulgaris*): Stone Loach* (*Nemachilus barbatula*); Spotted Goby (*Gobius minutus*); Sole* (*Solea vulgaris*); Dragonet or Skulpin* (*Callionymus lyra*); Spotted Dragonet (*Callionymus maculatus*); Pogge (*Agonus cataphractus*): Common Gurnard* (*Trigla gurnardus*); Plaice* (*Pleuronectes platessa* and *Pleuronectes microcephalus*); Flounder* (*Pleuronectes flesus*); Dab* (*Pleuronectes limanda*); various species of Skate* (*Raia*): Lesser Spotted Dog-Fish (*Scyllium canicula*): Picked Dog Fish (*Acanthias vulgaris*); Common Frog* and Tadpoles (*Rana temporaria*): Green Tree Frog* (*Hyla arborea*); Green Toad* (*Bufo viridis*); Natterjack Toad (*Bufo calamita*); Common Toad* (*Bufo vulgaris*); Fire-bellied Toad* (*Bombinator igneus*); Black-spotted Toad* (*Bufo melanostictus*); Crested or Great Water Newt* (*Triton cristatus*); Common or Smooth Newt* (*Molge vulgaris*): Japanese Newt* (*Molge pyrogaster*); Lizard* (*Lacerta sp.*); Limbless Lizard (*Anguis fragilis*); Gecko* (*Tarentola delalandii*); Chameleon (*Chamæleon basiliscus*); Alligator Terrapin* (*Chelydra serpentina*); Sternotheres* (*Sternotharus niger* and *S. odoratus*): American Water Turtle* (*Hydraspis hilarii*); Long-necked Chelodine* (*Chelodina longicollis*): Indian Snake (*Eryx sp.*); West African Crocodile* (*Osteolæmus tetraspis*) and Egyptian Crocodile (*Crocodilus niloticus*);

Common Seal* (*Phoca vitulina*); Hawk-billed Turtle (*Chelone imbricata*); Turtles (*Clemmys leprosa Clemmys, picta*): Rough Terrapin* (*Nicoria punctularia*): African Long-nosed Crocodile* (*Mecistops cataphractus*); deposited.

Summary of Acquisitions.

Zoological.

Cœlenterata	76	Species	117	Specimens.
Echinoderma	15	,, ...	20	,,
Brachiopoda	50	,, ...	100	,,
Arthropoda (Crustacea)	10	,, ...	19	,,
Arthropoda (Tracheata)	20	,, ...	41	,,
Mollusca	250	,, ...	480	,,
Fishes	20	,, ...	43	,,
Amphibians	1	,, ...	2	,,
Reptiles	15	,, ...	17	,,
Birds	50	,, ...	90	,,
Mammals	50	,, ...	160	,,
	557		1,089	

Botanical.

Plants	140	Species	276	Specimens.

Geological and Mineralogical.

Rocks and Minerals	108	Specimens.

Economic.

Vegetable and Mineral	250	Specimens.

Total additions to the Lord Derby Museum.

Species	697	Specimens	1,723

B.—MAYER MUSEUM.

(*a*) General.

The following is the arrangement of the galleries in this Museum. In the upper floor are to be found illustrations of the history, art and craft of the various families of the **Mongolian** Race; on the ground floor, together with the Main Hall and its balcony, those of the **Caucasians,** and in the basement those of the **Melanian** peoples.

A small but interesting collection of Egyptian antiquities has been received from the British School of Archæology in Egypt, per Professor W. M. F. Petrie.

The room devoted to Local History and Archæology has received many important additions which have materially assisted in adding interest to that section, which is slowly but surely becoming a source of interest to many of the citizens.

The Melanian department continues as hitherto to receive numerous acquisitions, mostly from the West and South-West Coast of Africa. The Mayer Museum is again indebted to Mr. A. Ridyard, Chief Engineer (Elder, Dempster & Co.), who has been most indefatigable in inducing his friends on the coast to collect and present desirable objects to this department.

Numerous exhibits in the Melanian department have been placed on exhibition as received, and the result is most of the cases have become congested, relief being given by adapting several old cases to present requirements, and additional cases are now being constructed.

A further exchange of duplicate African Ethnographical objects has been effected with Dr. H. C. Bumpus, Director, American Museum of Natural History, New York, for a collection of Ethnography from the Philippine Islands previously unrepresented in the Museums.

Throughout the year numerous exhibits have been repaired, mounted, and placed on exhibition in their respective sections.

A new mahogany case has been made for the exhibition of a selection of Greek Vases, and a second is on order.

Not unfrequently exhibits are received in such a damaged condition (especially Egyptian antiquities) that a great deal of care and much time has necessarily to be spent in repairing them before they are fit for exhibition. This work demands an intimate knowledge of the various objects, and a large amount of technical skill, for which a special formatore is usually required, and necessarily takes up a great deal more of the Assistant Curator's time than should be so employed.

During the year photographs have been taken of several exhibits for the purpose of study or for illustration in publications, as follows:—

Leaf of an Ivory Dyptych of Philip the Arab (10.042) to Charlotte Bogert; the same Ivory to Messrs. Mansell & Co.; a Group of English Earthenware, to Mr. H. E. Kidson; Wedgwood Cup and Saucer, Russian Service, to Dr. Williamson; and Professor G. Baldwin Brown, of Edinburgh, has spent much time photographing many of the Anglo-Saxon Antiquities as illustrations to his lectures.

(*b*) Loans and Deposits.

The collection of Chinese Porcelain, decorated after the Japanese style, 17th and 18th centuries, deposited by Mr. John Mellor, Junr., June 24th, 1904, and the comparative exhibit of Japanese Porcelain, lent by Mr. John Mellor, Junr., and Mr. J. Duveen, have, through the kindness of the owners, been continued on exhibition during the past year.

The Stone Quern, from an old farm at Sefton, deposited by Mr. W. E. Gregson, still remains on loan.

The Steatite head, from Mano, Mendi country, Sierra Leone, West Africa, deposited by Mr. W. E. C. Morriss, was returned to the owner (26. 7. 07).

Canoe, found in Martin Mere, near Southport: deposited by the Southport Corporation (7. 7. 07).

Bronze Socketed Celt, found in Martin Mere, near Southport; deposited by the Rev. W. T. Bulpit (17. 12. 07).

Large earthenware Vase, from the Cocama Indians, Peru, S. America; deposited by Mr. Melville G. Clayton (21. 10. 07).

(*c*) Exchanges.

A small collection of Flint Implements, &c., from excavations in caves and on other sites in France; received from M. Victor Arnon, Chef de Bureau, Gare de Nevers (11. 10. 07. 51-56), consisting of Scrapers, Arrow-heads and Flakes from the Champ de la Justice, Autun (11. 10. 07. 51), fragments of Flint, found at Sauvigny les Bois (Nevers) (11. 10. 07. 52), Pottery, Teeth and Flint, from the Grottes D'Arcy sur Cure (Yonne) (11. 10. 07. 53), fragments of Pottery, Flint and Bone, from Camp de Chassey (Saone and Loire) (11. 10. 07. 54), Flint Scrapers, Arrow-heads, Core, &c., from Roches de Basseville Surgy (Nien) (11. 10. 07. 55), fragments of Flints from Rosereuil, Igornay (Saone et Loire) (11. 10. 07. 56), in exchange for the following duplicate Flint Implements:—

Consecutive No.	No of Objects.	Objects and Locality.	Register No.
1	1	Eolith— Kent Plateau ...	25. 11. 01. 68
2	1	„ „ „ ...	25. 11. 01. 64
3	1	Palæolithic Implement— Broome, Dorset ...	14. 11. 01. 26
4	1	„ „ „ „ ...	14. 11. 01. 23
5	1	„ „ Gravel Pits ...	27. 4. 03. 31
6	1	„ „ „ ...	27. 4. 03. 30
7	1	Neolithic Implement— Grimes Graves ...	4. 12. 85. 4
8	1	„ Celt— Drumraw, Ireland ...	29. 5. 00. 45
9	1	„ Flint Flake— Culbane, „ ...	29. 5. 00. 46
10	2	„ „ Scrapers—Braid, „ ...	29. 5. 00. 50
11	1	„ Single-flanged Arrowhead—Glenleslie Ireland	29. 5. 00. 49
12	1	„ leaf-shaped Arrow-head,—Knockboy, Ireland	29. 5. 00. 52

List of duplicate Ethnography sent to Dr. H. C. Bumpus, Director American Museum of Natural History, New York, in exchange for Philippine Ethnography, as per minute of May 10th, 1907:

Consecutive No.	No of Object.	Objects and Locality.	Museum Register No.
1	1	Musikaka— New Guinea ...	10. 6. 04. 183
2	1	Lime Gourd, burnt decoration ,, ...	10. 6. 04. 186
3	1	Carved Cocoanut Water Bottle— ,, ...	10. 6. 04. 195
4	1	Plaited rattan Armlet—Milne Gulf, ,, ...	10. 6. 04. 162
5	1	Bottom portion of Native Basket— ,, ...	10. 6. 04. 277
6	1	Mat of Pandanus leaves— ,, ...	10. 6. 04. 251
7	1	Grass Girdle, worn over petticoats— ,, ...	10. 6. 04. 203
8	1	Plaited Grass Cap—Panamotu Island ,, ...	10. 6. 04. 205
9	1	Head Ornament of Cassowary feathers ,, ...	10. 6. 04. 142
10	1	Necklace and Pendant Shell Ornament ,, ...	10. 6. 04. 129
11	2	Shell Armlets— ,, ...	10. 6. 04. 164
12	1	Pan's Pipes— ,, ...	10. 6. 04. 144
13	1	Wooden Float for a Net— ,, ...	10. 6. 04. 107
14	1	,, ,, ,, ,, ...	10. 6. 04. 109
15	1	Jew's Harp— ,, ...	10. 6. 04. 230
16	1	Comb— ,, ...	10. 6. 04. 151
17	1	,, ,, ...	10. 6. 04. 154
18	1	Nose Ornament— ,, ...	10. 6. 04. 229
19	1	Necklace of Human Hair— ,, ...	10. 6. 04. 124
20	1	Lower Human Jaw— ,, ...	10. 6. 04. 178
21	1	Bamboo Tobacco Pipe— ,, ...	10. 6. 04. 249
22	2	Shell Armlets— ,, ...	10. 6. 04. 163
23	1	Spatula— ,, ...	10. 6. 04. 213a
24	1	Necklace of Shell and Quill— ,, ...	10. 6. 04. 137
25	1	Necklace— ,, ...	10. 6. 04. 131
26	1	Grass Armlet— ,, ...	10. 6. 04. 156

Consecutive No.	No of Object.	Objects and Locality.	Museum Register No.
27	1	Lime Gourd— New Guinea ...	10. 6. 04. 189
28	2	Bracelets cut from cocoanut— „ ...	10. 6. 04. 161
29	1	Wooden Food Bowl— „ ...	10. 6. 04. 266
30	1	Stone Adze Head— „ ...	10. 6. 04. 284
31	1	Wooden Canoe Ornament— „ ...	10. 6. 04. 78
32	1	„ „ „ ...	10. 6. 04. 62
33	1	„ „ „ ...	10. 6. 04. 56
34	1	„ „ „ ...	10. 6. 04. 71
35	1	„ „ in form of a bird „ ...	10. 6. 04. 67
36	1	Spoon made from nautilus shell—Timor Laut ...	10. 6. 04. 356
37	1	Club— New Guinea ...	10. 6. 04. 235
38	1	„ „ ...	10. 6. 04. 243
39	1	Spear— „ ...	10. 6. 04. 302
40	1	Barbed Spear— „ ...	10. 6. 04. 285
41	1	„ „ ...	10. 6. 04. 293
42	1	Spear „ ...	10. 6. 04. 330
43	1	Club, stone head— „ ...	10. 6. 04. 270
44	1	Paddle— „ ...	10. 6. 04. 84
45	1	Wooden Sago Stirrer— „ ...	10. 6. 04. 95
46	1	Adze Handle— „ ...	10. 6. 04. 284a
47	1	Shield— „ ...	10. 6. 04. 119
48	1	Fishing Net— „ ...	25. 1. 98. 155
49	1	„ „ ...	25. 1. 98. 157
50	1	Grass Petticoat— „ ...	25. 1. 98. 44
51	1	„ „ ...	25. 1. 98. 162
52	1	„ „ ...	25. 1. 98. 166
53	1	„ „ ...	25. 1. 98. 39
54	1	Necklace of Shells— „ ...	25. 1. 98. 118

Consecutive No.	No of Object.	Objects and Locality.	Museum Register No.
55	4	Cocoanut-shell Armlets— New Guinea ...	25. 1. 98. 120
56	4	„ „ „ ...	25. 1. 98. 119
57	1	Spatula— „ ...	25. 1. 98. 8
58	1	„ „ ...	25. 1. 98. 12
59	1	Nose Stick— „ ...	25. 1. 98. 102
60	1	Netted Bag — „ ...	25. 1. 98. 132
61	1	Bamboo Pipe— „ ...	25. 1. 98. 92
62	1	Wooden Drum— „ ...	—
63	1	Spear— „ ...	14. 6. 98. 5
64	1	„ „ ...	14. 6. 98. 7
65	1	Arrow— Murray Island ...	1. 10. 85. 102
66	1	Spear— „ ...	1. 10. 85. 75
67	1	Arrow— „ ...	1. 10. 85. 99
68	1	Wooden Pestle— New Guinea ...	17. 7. 02. 110
69	1	Betel-nut Mortar— „ ...	17. 7. 02. 111
70	1	Sling-stone— Taupota, „ ...	25. 1. 98. 59
71	1	Stone tapa Beater— „ „ ...	25. 1. 98. 34
72	1	Club— Santa Cruz ...	6. 7. 95. 1
73	1	Necklace— Tongoa, New Hebrides...	23. 1. 05. 2
74	1	Shell Fish-hook— Matty Island ...	29. 1. 96. 18
75	1	Wooden Club "Ula"— Fiji Islands ...	7. 12. 57. 175
76	1	„ „ „ ...	7. 12. 57. 209
77	1	„ „ spiked — „ ...	7. 12. 57. 214
78	1	„ „ „ ...	7. 12. 7. 212
79	1	Earthenware Bowl— Island of Socotra ...	26. 6. 99. 94
80	1	Trap for Crayfish— Batanga, W. Africa ...	29. 5. 00. 8
81	1	Earthenware Pot— Bissao, „ ...	4. 2. 04. 9
82	1	„ Dish— Accra, Gold Coast ...	5. 5. 04. 24

Consecutive No.	No of Object.	Objects and Locality.	Museum Register No.
83	1	„ Water Bottle— Gambia, W. Africa ...	5. 5. 04. 29
84	1	„ „ „ „ ...	16. 2. 06. 9
85	1	Drum— Accra, „ ...	3. 9. 06. 23
86	1	Manilla— Degama, „ ...	3. 9. 06. 25
87	1	Earthenware Pot— Gambia „ ...	3. 9. 06. 8
88	1	Grass Hat— Timni Country ...	3. 9. 06. 9
89	1	Grass Basket— Port Lokko ...	3. 9. 06. 113
90	1	„ „ ...	3. 9. 06. 14
91	1	Plaited Basket— Bonny ...	24. 5. 06. 15
92	1	„ „ ...	24. 5. 06. 16
93	1	„ „ ...	24. 5. 06. 18
94	1	Enema— Axim, W. Africa ...	24. 5. 06. 4
95	1	Basket— Accra, „ ...	24. 5. 96. 39
96	1	Earthenware Jug— Affarmah „ ...	24. 5. 06. 33.
97	1	Wooden Soup Ladle— Winnebah, „ ...	19. 12. 06. 13
98	1	„ „ „ „ ...	19. 12. 06. 14
99	1	Large Earthenware Bowl— „ ...	28. 3. 07. 13
100	1	„ „ „ ...	28. 3. 07. 14
101	1	Hide Shield, Masai Tribe— „ ...	22. 11. 94. 1
102	1	Hippo. Harpoon— Ashiras, „ ...	11. 7. 79. 3

(*d*) Acquisitions.

(1.) General.

Silhouette of an unknown (15. 3. 07. 1); engraving of Wm. Penn, framed in wood from the tree under which the Conference was held with the Indians (15. 3. 07. 2); presented by Mr. J. Elliot.

Rubbings of Church Brasses as follows:—Sir John D'Aubernoun, Surrey, A.D. 1277 (29. 7. 07. 1); Sir Roger de Trumpington, Cambridge, A.D 1289 (29. 7. 07. 2); Sir Roger de Septrans

Chartham, Kent, A.D. 1306 (29. 7. 07. 3); Archbishop William de Grenefeld, York Minster, A.D. 1315 (29. 7. 07. 4); A Knight of the Fitralph Family, Pebmarsh, Essex, A.D. 1320 (29. 7. 07. 5); Robert Braunche and wife, Calbourne, Isle of Wight, A.D. 1380 (29. 7. 07. 6); Montacute, Earl of Salisbury, Calbourne, Isle of Wight, A.D. 1380 (29. 7. 07. 7); unidentified (29. 7. 07. 8); Thomas de Crwe and his wife, Wixford Church, Warwickshire, A.D. 1411 (29. 7. 07. 9); William Stevyn, Canon of Lincoln, A.D. 1497 (29. 7. 07. 10); William Malster, Canon of York, Girton, Cambridgeshire, A.D. 1492 (29. 7. 07. 11); not identified (29. 7. 07. 12-13-16); Richard Meurys, Kingston, Isle of Wight, A.D. 1535 (29. 7. 07. 17); Henry de Bures, Acton, Suffolk, A.D. 1539 (29. 7. 07. 18); Thomas Stoughton, St. Martin's Church, Canterbury, A.D. 1591 (29. 7. 07. 19); Elizabeth Eynns, wife of Thomas Eynns, York Minster, A.D. 1585 (29. 7. 07. 21); James Cotrel, York Minster, A.D. 1595 (29. 7. 07. 22); Sir Richard Bethell, Shorwell, Isle of Wight, A.D. 1518 (29. 7. 07. 24); Richard Brook and his wife, Whitchurch, Hampton South, A.D. 1603 (29. 7. 07. 25); Johannes Cooke, A.D. 1544, and Johanna Cooke, A.D. 1544, St. Mary's-le-Crypt, Gloucester (29. 7. 07. 26); Adam Beaumont and wife, Kirkheaton, Yorkshire, A.D. 1655 (29. 7. 07. 27); John Radclif, Crosthwaite Church, Keswick (29. 7. 07. 29); Thomas de Topclyffe and his wife, Topcliffe Church, Yorks, A.D. 1391 (29. 7. 07. 30); unidentified (29. 7. 07. 31); a lady (29. 7. 07. 32); a knight (29. 7. 07. 33); a lady (29. 7. 07. 34); made and presented by the Rev. Canon Thomas Whitby.

Microscope and fittings, made by George Sterrop (11. 10. 07. 7); flutes (11. 10. 07. 8-13), made by Messrs. Clinton, London; Collard & Collard, London; A. Buffet, Paris; and Godfroy fils. Magnifying glass (11. 10. 07. 14); snuff-boxes (11. 10. 07. 15-20) of tortoise-shell, papier maché, wood and metal; metal matchbox (11. 10. 07. 23); bone quaigh (11. 10. 07. 25); bronze medal of the Thomas metallic vase in Warwick Castle (11. 10. 07. 27); presented by Mr. J. Elliot.

Enamel medallion (11. 10. 07. 26) portrait of a lady; presented by Mr. J. Elliot.

Bronze ring, inscribed (11. 10. 07. 43); bronze ring (11. 10. 07. 44); two seals (11. 10. 07. 45-46); two glass beads (11. 10. 07. 47); coin (11. 10. 07. 50); presented by Mr. J. Pisko, Austrian Consul.

Bronze armlet (29. 5. 07. 1), dug up in a garden at Great Chesterford; presented by Mr. Alfred Davidson, per Mr. T. C. Nicholas.

(2) Local Area Collection.

Etching (11. 1. 07. 1), "The Library of Joseph Mayer, Lord Street, Liverpool," from a painting by W. Daniels, etched by R. D. Buss; purchased.

Iron collar (11. 1. 07. 2) used to place on the necks of slaves to prevent their escape into the bush. This collar was obtained by Mr. James Cropper, and used by Clarkson and Wilberforce to illustrate the cruelties of slavery; presented by Mr. Thomas C. Ryley.

Tax paper, 1821, issued to Charles Lear, of Gt. Newton Street, Liverpool (15. 3. 07. 3); presented by Mr. J. Elliot.

Bones of oxen (8. 7. 07. 29-30) roasted at the Coronation of George IV. and Queen Victoria; presented by Mr. M. Eschwege.

Rubbings of brasses, as follows:—Roger Legh and wife, Macclesfield, Cheshire, A.D. 1506 (29. 7. 07. 14); Sir R. Norreys and wife, Childwall, Lancashire, A.D. 1510 (29. 7. 07. 15); Lady of Sir William Molyneux, Sefton, near Liverpool, A.D. 1548 (29. 7. 07. 20); Sir Richard Molyneux, Sefton, near Liverpool, A.D. 1558 (29. 7. 07. 23); Hugh Starky, Over, Cheshire, A.D. 1510 (29. 7. 07. 28); Sir William Molyneux, Sefton, near Liverpool, A.D. 1548 (29. 7. 07. 35); presented by the Rev. Canon Thomas Whitby.

Piece of a sandstone column (13. 9. 07. 1), from an angle of a window in the Castle of Liverpool; early 13th century work; collected and presented by Mr. W. E. Gregson.

Petition against the removal of the Court of the Duchy of Lancaster to London, signed by many prominent merchants, &c., of Liverpool, 1780 (13. 9. 07. 2); purchased.

Official list, with signatures, of 52 members of "Major Thomas Earle's Company, First Battalion L.I.V. (Liverpool Independent Volunteers) Parade, 3rd September, 1779" (11. 10. 07. 4); manuscript, containing instructions to officers and men, and list of 68 members of the L.I.V. (Liverpool Independent Volunteers), Thomas Earle's Company, 1st June, 1797 (11. 10. 07. 5); tunic, vest, belt and miniature gorget, worn by Lieut. William Bird, of Major Thomas Earle's Company of L.I.V. (Liverpool Independent Volunteers (11. 10. 07. 6); presented by Miss Barker, The Fox Covers, Bebington.

Original water-colour drawing of Walton-on-the-Hill Parish Church, Liverpool, 1826 (22. 11. 07. 3); photograph of above drawing (22. 11. 07. 4); ivory subscribers' tickets for the "Subscription Concerts" at the "Music Hall, Liverpool" (22. 11. 07. 5, 6, 7), (Mr. Terry, Mr. W. Terry and Mr. Carus); Lady "Patronesses'" pass to the Subscription Concerts (Miss Terry) (22. 11. 07. 8); medallion, inscribed "Gascoyne for Ever" and "Church and King and down with the Rump" (22. 11. 07. 9); presented by Mr. Robert Palmer, The Bank House, Kirby Lonsdale, per Mr. R. D. Radcliffe.

Oil painting of Liverpool about 1680; presented to the Town by Ralph Peters, Esq., of Platbridge, Lancashire, October 7th, 1818 (22. 11. 07. 15), transferred by the Finance Committee from the Town Hall. This picture was most probably painted by a Dutch artist at a later period than 1680.

Five medals, in gold, silver and bronze, struck to commemorate the "700th Anniversary of the Foundation of Liverpool" (13. 12. 07. 2-6); purchased.

Jug, painted decoration (22. 11. 07. 10), Herculaneum pottery: presented by Mr. William Harvey.

Dish (11. 10. 07. 1), with transfer print of "Lord Street, Liverpool"; soup plate (11. 10. 07. 2), with transfer print of "St. Paul's Church, Liverpool"; plate (11. 10. 07. 3), with transfer print of "Liverpool from the Seacombe Slip"; all three have as a mark a "Liver," and were made at the Herculaneum Pottery, Liverpool; presented by Mr. W. E. Moulsdale.

(3) Ceramics.

Marbled cup (15. 2. 07. 1), English, 18th century work; presented by Mr. John Mellor, Junr.

Wedgwood basalt medallions of Conyers Middleton (11. 10. 07. 28), General Washington (11. 10. 07. 29), Marc. A. Antoninus (11. 10. 07. 30), Ariobarzanes, King of Patria (11. 10. 07. 31), Philetarus (11. 10. 07. 32), Thucydides (11. 10. 07. 33), Pompeius (11. 10. 07. 34), Domitian (11. 10. 07. 35), an early King (11. 10. 07. 36), (11. 10. 07. 37), Lord North (11. 10. 07. 38); medal, William IV (11. 10. 07. 39), Marc. Ant. Sabbatinus (11. 10. 07. 40), Henry II (11. 10. 07. 41),—(11. 10. 07. 42); presented by Mr. J. Elliot, Hoylake.

Group in painted pottery of the "Mother and Child" (13. 12. 07. 1), modelled by Enoch Wood; purchased.

Collection of raw materials—clay, stone, bone, fritts, &c.—used in the manufacture of pottery and porcelain (16. 2. 07. 1-17, 23), and a set of plates (16. 2. 07. 18-22) illustrating transfer printing on pottery; presented by Josiah Wedgwood & Sons, Etruria.

Part of a green-glazed vessel (22. 11. 07. 2), found in Golden Lane, London; Mediæval; presented by Mr. Fred. Hoyer.

(4) Ethnography.

PRE-HISTORIC.

Two stone arrow-heads (11. 10. 07. 6 *a. b.*), from a Dolmen in Ireland; presented by Miss Barker, The Fox Covers, Bebington.

Two flint implements (14. 10. 07. 20-21), found in Milton Street, Kent, 1906, by Mr. James Cross; Palæolithic; presented by the Director, Science and Art Museum, Edinburgh.

MELANIAN RACE.

Africa.—West and South-west Africa:—

List of specimens collected and presented by and through Mr. A. Ridyard, Chief Engineer s.s. "Addah," Messrs. Elder, Dempster & Co.:—

Gambia:—

Head-dress (8. 7. 07. 1) worn in the dance after recovery from circumcision, from the village of Combo, seven miles from Bathurst; presented by Mr. McCarthy.

Knife in brass sheath (28. 3. 07. 21), from Rufisque, Senegal; presented by Mr. A. Ridyard.

Sierra Leone:—

Wood slice (14. 10. 07. 4); native sling of leather (14. 10. 07. 5); wine bottle (14. 10. 07. 7); cigarette tin (14. 10. 07. 8) covered with leather by the Mandingoes; presented by Mr. A. Ridyard.

Grass cap (8. 7. 07. 6); presented by Sir S. G. Harman.

Liberia:—

Grass bags (28. 3. 07. 3-4) and leather bag (28. 3. 07. 5), from Monrovia; knife and sheath (8. 7. 07. 9); Basket (8. 7. 07. 8), made by the Grimes people at Vey Town; presented by Mr. W. O. Davies Bright.

Fetish man's charm (8. 7. 07. 2); fetish man's horn (8. 7. 07. 3); fetish man's horn, used to blow away spirits (8. 7. 07. 4); fifteen charms for trying fortunes by ages (8. 7. 07. 5), from Cape Palmas; collected and presented by the Rev. S. D. Ferguson, Junr.

Straw hat (28. 3. 07. 8), from Cape Palmas: presented by Mr. E. N. Thomas.

Drums (15. 2. 07. 3-4), from Bassa and Okpoto; presented by Captain W. Johnston.

Calabash (14. 10. 07. 13), from Adou; presented by Mr. A. H. Garburah.

Gold Coast:—

Carved wooden soup ladle (28. 3. 07. 7), from Accra; presented by Mr. Christian A. Welford.

Two sieves (8. 7. 07. 13), from Accra; presented by Dr. J. Edward Mettle.

Carved soup ladle (14. 10. 07. 14); soup ladle (14. 10. 07. 15), from Accra; country pot and cover (14. 10. 07. 16), from Affarmah, nine miles from Accra; presented by Mr. Theophilus Ofolee, James Town.

Black earthenware bottle (14. 10. 07. 17), from Quarjoe, three miles from Accra; presented by Mr. A. Chinnery, Accra.

Two plaited purses (14. 10. 07. 18-19), from Soubre, Sassandra; presented by Mr. P. E. Quainoo.

Gourd water bottle (14. 10. 07. 6), from Lagos; presented by Mr. A. Ridyard.

Cotton cloth (8. 7. 07. 16), made at Jellah Coffee; presented by Mr. John Koblavie.

Twelve red and black earthenware pipe heads, of various forms and ornamentation (8. 7. 07. 17-28); presented by King Amono V, of Anamaboe.

Leather bag (8. 7. 07. 7), from Grand Bassa; presented by Sir S. G. Harman.

Gaming board (14. 10. 07. 10), from Axim; presented by Mr. C. W. Harty.

Three enemas (14. 10. 07. 9), from Axim; presented by Mr. A. Ridyard.

Piece of wood, carved to represent birds eating a head of corn (8. 7. 07. 10); piece of wood carved to represent a hen and chickens (8. 7. 07. 11), from Winnebah; presented by King Acquah II, Winnebah.

Wooden spoon (8. 7. 07. 12), from Bereku, Winnebah; presented by Mr. Van Hein.

Ladle, variously carved (8. 7. 07. 14), from Swedru (Agona), Winnebah; presented by Mr. C. J. Reindorf.

North Nigeria:—

Coloured grass bag (14. 10. 07. 11), from Lokoja; leather chair cushion cover (14. 10. 07. 12), from Kano; presented by Mr. John G. Taylor.

South Nigeria:—

Wooden musical instrument (28. 3. 07. 6), from Abonnema; presented by Mr. L. B. Emmanuel.

Native screen (28. 3. 07. 9), from Abonnema; presented by Mr. J. T. Scot.

Three earthenware dishes (14. 10. 07. 1-3), from the native market at Warri; presented by Mr. A. Ridyard.

Iron spade (28. 3. 07. 10), used for digging the ground: iron hoe (28. 3. 07. 11), used for scraping up weeds and plants; basket (28. 3. 07. 12), used to carry calabashes of oil; earthenware water vase (28. 3. 07. 13); earthenware vessel, used by the Ibos for washing children in (28. 3. 07. 14); collected and presented by Chief Fred A. D. Green.

Carved and painted wooden mask with horns (28. 3. 07. 1); carved and painted wooden mask, in form of an animal's head (28. 3. 07. 2), from Qua Ebo; presented by Mr. A. Ridyard.

Ivory walking stick (8. 7. 07. 15), from Old Calabar; presented by Mr. D. H. During.

Four large manillas, with punched ornamentation (28. 3. 07. 15-18), found in the ground. These manillas in early times were value: one manilla, one slave; presented by Chief Fred A. D. Green.

Six small manillas (28. 3. 07. 20), still used for barter; presented by Chief Fred A. D. Green.

Congo:—

Large iron knife, with brass-bound handle covered with skin (28. 3. 07. 20), from Upper Congo; presented by Mr. F. A. Collins.

MONGOLIAN RACE.

China.—

Plaited straw hat (22. 11. 07. 11), from Talifu, Yunnan; pair of ladies' shoes (22. 11. 07. 12), from Yunnan; block of silver, weight about 1½ taels = 4s. currency of Western Yunnan (22. 11. 07. 13); collected and presented by Mr. George Forrest.

Carved ivory watch stand (11. 10. 07. 24); presented by Mr. J. Elliot.

Rude glass figure (11. 10. 07. 49); presented by Mr. J. Pisko.

Japan.—

Lacquered box (11. 10. 07. 21); puzzle box (11. 10. 07. 22); presented by Mr. J. Elliot.

Babylonia.—

Hæmatite cylinder seal (11. 10. 07. 48); presented by Mr. J. Pisko.

CAUCASIAN RACE:—

Egypt—

Human mummied head (15. 2. 07. 2), from Egypt; bequeathed by Miss E. Moss.

Alabaster jars (4. 9. 07. 1 and 2), arragonite bowl (4. 9. 07. 3), slate bowl (4. 9. 07. 4), found in a tomb at Gizeh, **ist** dynasty; four small balls—two quartz and two limestone used for a game (4. 9. 07. 5), from a mastaba of the **iiird** dynasty at Gizeh; limestone lintel (4. 9. 07. 6) inscribed Er-du-ne-Ptah, from Gizeh, **vth** dynasty; limestone drum of a door (4. 9. 07. 7) of Er-du-ne-Ptah, found at Gizeh, **vth** dynasty; stone maul (4. 9. 07. 8), used in excavating rock tombs, found at Rifeh, Upper Egypt, **xiith** dynasty; pottery models of soul houses (4. 9. 07. 9-18) of various forms, found at Rifeh, Upper Egypt, **xiith** dynasty; bronze axe and its original wooden handle (4. 9. 07. 19); plaster face (4. 9. 07. 20), painted and gilt, placed on mummy wrappings; blue paste vase (4. 9. 07. 21); scarabæus (4. 9. 07. 22), green glazed and in its original setting, of Hatshepsut; scarabæus (4. 9. 07. 23), gold-mounted, subject: an Ibex; carnelian earring, shell earrings, shell, ear stud and odd beads (4. 9. 07. 24), found with the scarab of Hatshepsut—all of the **xviiith** dynasty, and found at Rifeh, Upper Egypt; four earthenware vases (4. 9. 07. 25-28), probably from Rifeh, Upper Egypt; presented by the British School of Archæology in Egypt, per Professor W. M. F. Petrie, D.C.L.

Stone mace head (15. 2. 07. 8), **ist** dynasty; pottery dish with incised design (15. 2. 07. 6), alabaster kohl pot (15. 2. 07. 7), two fragments of ivory wands (15. 2. 07. 10) from Abydos, **xiith** dynasty; pottery table of offerings (15. 2. 07. 9), from Esna, **xiith** dynasty; model coffin and lid (15. 2. 07. 12), Esna, **xx-xxiind** dynasty; terra-cotta amphora (15. 2. 07. 11), small vase (15. 2. 07. 13), Greek Period, from Egypt; bronze wreath (has been gilt) (15. 2. 07. 14); and mummy and two coffins (15. 2. 07. 5) of Ta-enti, surnamed Bak-ne-hertnekt, an Egyptian official resident at Kostamneh, Nubia, **xiith** dynasty; collected by Mr. John Garstang, 1906, and presented by Theodore Davis, Esq.

Terra-cotta cone (22. 11. 07. 1), **xviiith** dynasty; presented by Mr. B. B. Savile.

Burmah—

Length of silk, as used to make the Burmese "Lungi" (22. 11. 07. 14); presented by Mr. George Forrest.

SUMMARY OF ACQUISITIONS.

Ethnography and Photographs	**157**
Miscellaneous	**116**
Ceramics	**41**
	314

HENRY O. FORBES,
DIRECTOR OF MUSEUMS.

WALKER ART GALLERY.

The Curator has the honour to report in reference to the work during the year 1907 of the Department under the direction of the Art and Exhibitions Sub-Committee of the City Council.

The year was one of unprecedented activity in the matter of special exhibitions, and as a result it was not possible at any time during it to show the Permanent Collection in anything approaching to entirety. As far as possible, in the intervals between the exhibitions, the pictures belonging to the Gallery were displayed, and those most sought after were not at any time removed from view. The cost of repeated removals, and the inevitable wear and tear of pictures and frames is one of several cogent reasons for extending the Corporation Art Galleries as soon as possible. In this connection it may be pointed out that during the year, notwithstanding the large number of persons attracted by the special exhibitions, the total number of visitors to the Gallery (which in 1906 was increased from 350,759 to 403,592 by the attraction of the complete display of the Permanent Collection), fell to 387,205.

On 29th May the following letter was submitted to the Art and Exhibitions Sub-Committee, and subsequently to the Library, Museum, and Arts Committee and the City Council: —

"Pauls-moss,
"Whitchurch,
"Salop.

"13*th March*, 1907.

"Dear Mr. Dibdin,

"It has long seemed to me a misfortune that the original idea of a fine Permanent Gallery of pictures, belonging to the City of Liverpool, and free to the public, has been somewhat interfered with by using so many of the best rooms in the Walker

Art Gallery for six months or more each year for the Autumn and other special exhibitions.

"It is exceedingly unsatisfactory to see well-known pictures, given or bequeathed to the City, as well as those bought by the Corporation, wandering about from room to room with no fixed abode, and many people may be discouraged from leaving or giving works of art to the collection thus dealt with for want of adequate accommodation. I understand a scheme has been suggested for building at the back of the present Gallery a new suite of rooms, to house the Autumn and other Exhibitions, and that the Corporation are willing to give the land. It is estimated that a building could be added on to the present block, externally plain but internally handsome and suitable for the purpose, at a cost of £16,000 to £20,000. Has not the time arrived to start such a scheme, and to invite contributions? I shall be glad to contribute £500, and believe the rest would soon be forthcoming. The Art Committee would then, with the existing rooms at its disposal, be able to spread out the Roscoe Collection (Royal Institution pictures), now crowded together and ineffectively hung in the dark ground-floor rooms, and be able to show to advantage the magnificent modern examples of art, of which all Liverpool people are justly proud.

"This letter is at your disposal to place before the Committee or publish as you think best. With kind regards,

"I am etc.,

"EDWARD P. THOMPSON."

A further sum of £500 has since been promised by a member of the Art and Exhibitions Sub-Committee, and it is hoped that during the current year the project so generously initiated by Mr. E. P. Thompson may be accomplished.

Whenever the demands of the various special exhibitions permitted, the separate display in two rooms of works by Liverpool artists was continued, and the following additions to that section of the Permanent Collection were made in the course of the year:—

"CHÂTEAU GAILLARD, LES ANDELEYS, FRANCE."

By H. HUGHES-STANTON.

Presented by the Right Hon. Sir John T. Brunner, Bart., P.C., M.P.

BRITISH MUSEUM
NATURAL HISTORY

By Purchase:—

"Cranmer endeavouring to obtain a confession of guilt from Catherine Howard" (oil study for picture), by W. L. Windus.

"Pheasant and Drake" (oil), by Wm. Davis.

"On a Lee Shore in a Gale" (oil), by W. J. J. C. Bond.

"Crossing the Brook" (water-colour), by Sam. Austin, R.W.S.

"Door of a Mosque—Tangiers" (pastel), by Terrick Williams.

"The Marsh Farm" (etching), by F. V. Burridge, R.E.

"Lucia" (etching), by Miss C. G. Copeman, A.R.E.

"A reminiscence of Corot," and "Light in the West" (mezzo-tints), by the late John Finnie, R.E.

"Limehouse" (lithograph), by Percy Bulcock.

"Late Snow" (colour lithograph), by Miss Winifred M. Horton.

Two examples of Della Robbia Pottery.

By Gift:—

"Psyche at the Well" (marble statue), by B. E. Spence, and

"Interior" (oil), by W. Collingwood, R.W.S.; presented by Miss A. M. Thompson.

"The Paddle S.S. 'British Queen' in a heavy sea" (oil), by Samuel Walters; presented by Mrs. Hector Mackenzie.

"Portrait of John Gibson, R.A., in his working dress" (water-colour), by Hargreaves; presented by W. F. Lawrence, Esq.

Three Lunette Panels in Della Robbia Ware, representing "Painting," "Poetry," and "Music"; presented by Mrs. George Holt.

There are now 758 items in the catalogue of the Permanent Collection. Of these 124 are at present on loan to public buildings in the City, as follows:—

Place.	Oil.	Water Colour.	Engravings, etc.	Sculpture.	Total.
Town Hall	7	18	9	2	36
Newsham House	5	—	18	—	23
Central Library	22	—	—	—	22
Kirkdale Library	9	—	—	—	9
Everton Library	7	—	—	—	7
Wavertree Library	5	—	8	—	13
Toxteth Library	4	—	—	—	4
St. Martin's Hall	1	—	—	—	1
Calderstones	8	—	—	—	8
Museum	1	—	—	—	1
	69	18	35	2	124

Owners of works by Liverpool artists are again earnestly appealed to to assist the Committee in developing its Collection into one worthy of the great importance of the local school.

The other additions to the Permanent Collection (see p. 95) show that in addition to such purchases as the Committee are able to make out of the profits of the Autumn Exhibition, they continue to receive valuable and interesting gifts and bequests from citizens and others interested in the Gallery.

There being no money available for the purpose, the re-decoration and repair of the Gallery were suspended, with the exception that the steps outside the main entrance, so much worn as to be dangerous, were replaced by new stones. For the same reason no progress was made with the improvement of the arrangements for ventilation and heating. The insurance of the structure was, by resolution of the Finance Committee on the 21st June, 1907, taken over by the Corporation, but the Curator having reported on the subject, it was determined that the existing insurances on the works of art in the Permanent Collection should be kept in force.

On 16th December the Curator submitted the following recommendations to the Committee:—

1. The outside of the Gallery requires considerable attention, and an inspection by the Surveyor will probably result in a report calling for expenditure.

2. The ventilation of the Galleries is inadequate, and the heating appliances are most unsatisfactory. The warm air is admitted by gratings immediately below the pictures, and this is prejudicial to all paintings, especially to those that are old. To remedy this would be costly, but the Curator is of opinion that a change is most necessary. A proper compartment for storage of pictures in the basement is urgently required.

3. The state of the flooring is by no means good, and the tiles in the Entrance Hall are very much worn.

4. The re-decoration of the Galleries was discontinued this year in consequence of the reduction in the amount voted, but it will be advantageous if the work can be resumed in 1908.

5. The Curator again draws attention to the inadequacy of the Gallery for the present requirements of the Permanent Collection, especially having regard to the fact that a large part of the space is appropriated annually for several months to the Autumn Exhibition, and that other Exhibitions are held in it from time to time. It would meet the case completely if a new suite of Galleries could be erected at the rear of the present building, sufficient to accommodate the Autumn Exhibition and any other Exhibition which might be arranged. The whole of the Walker Art Gallery could then be devoted to the purpose for which it was first intended. In this connection the Curator has the honour to remind the Committee that he already has the offer of £500 from Mr. E. P. Thompson, and another of a similar amount from a member of the Sub-Committee, and it is very probable that the rest of the amount might be obtained by subscription if an appeal were made to the public with the approval and support of the Committee.

6. The sum of, say, £100, will have to be provided in conformity with arrangements entered into with the Royal Institution Trustees, and it is imperative, also, that some re-lining and repairing of pictures in the Permanent Collection should be done forthwith.

The same was approved, and provision has since been made in the estimates for 1908 for the carrying out of some of the recommendations made.

In conformity to the decision of the City Council on the 5th June, the Gallery has since been open to the public on all Monday evenings from 7 to 10. The Sunday opening has been as hitherto, from 2 to 4-30 p.m. during the months from October to May, inclusive.

The regulations for students copying in the Gallery have been revised, with a view to better control in this department of work.

The negotiations with the Trustees of the Royal Institution were brought to a satisfactory issue, and the Roscoe Collection is now deposited with the Corporation for a term of forty years, under an agreement which provides for their due restoration, and repair of frames, &c.

The Special Committee formed in June, 1906, for a Historical Exhibition of Liverpool Art, to be held in 1907, found it expedient to postpone its exhibition until 1908, as the whole available accommodation in the Gallery was required for the purposes of the Historical Exhibition Committee of the Sept-Centenary Celebrations.

That Exhibition, which was arranged by a Special Committee, of which the Curator was Joint Honorary Secretary, was entirely successful.

During the year rooms have been utilized for the following special exhibitions:—

1. Exhibition of the art of W. Holman Hunt, O.M., D.C.L. 2/2/07 to 2/3/07.

2. Exhibition of works by Students at the City School of Art. 2/2/07 to 16/2/07.

"THE ADMONITION."

By HENRY WOODS, R.A.

BRITISH MUSEUM
NATURAL HISTORY

3. The Northern Photographic Exhibition. 22/3/07 to 13/4/07.

4. The Memorial Exhibition of the art of the late John Finnie, R.E., R.C.A. 25/5/07 to 22/6/07.

5. Historical Exhibition of Liverpool Antiquities, in connection with the Sept-Centenary Celebrations. 15/7/07 to 10/8/07.

6. The Thirty-seventh Annual Autumn Exhibition of Modern Art. 21/9/07 to 4/1/08.

The Collective Exhibition of the Art of Mr. W. Holman Hunt was suggested to the Committee by the previous exhibitions in London (at the Leicester Galleries) and Manchester (at the City Art Gallery). At the former there were 68, and at the latter 84 exhibits. Notwithstanding the natural disinclination of owners, already deprived of their possessions for several months, to lend them for a further period, it was found possible to secure 80 of the works shown at Manchester; only one owner (of four pictures) having refused the Committee's application. In addition, 45 other works were secured, including "The Light of the World" from Keble College, Oxford, and other pictures of the first importance.

The Exhibition was exceptionally successful, and, though it was only open for four weeks, the attendances totalled 44,516, as follows:

1.	At Private View on 2nd February (say)	400
2.	Shilling admissions	9,175
3.	Sixpenny admissions	9,941
4.	Threepenny admissions	6,442
5.	Two-shilling tickets, each admitting twenty scholars and one teacher (who received a catalogue), 767 tickets representing persons.....	16,107
6.	Free admissions on Sunday afternoon, 3rd March...	2,451
	Total.....	44,516

being an average of 1,712 persons per day during the 26 days on which the Exhibition was open. The largest attendance was on the closing day, 2nd March, when 2,742 (exclusive of schools) paid for admission.

7,840 catalogues were printed, of which 6,295 were sold at 6d. each. 767 were given with school tickets.

A special edition of the catalogue of 50 copies on hand-made paper, with the illustrations on Japanese paper, was printed and fully subscribed for.

The total receipts amounted to £1,027 1s. 0d., which yielded a surplus of £458 8s. 4d.

At this exhibition the plan was initiated of admitting parties from schools, so constituted and arranged as to ensure good educational results. An effort was made after the exhibition to secure funds sufficient for the purpose of purchasing Mr. Holman Hunt's greatest secular work, "Isabella and the Pot of Basil," but, unfortunately, the requisite sum could not be obtained during the time allowed by the owner.

The triennial Northern Photographic Exhibition, under the management of the Liverpool Amateur Photographic Association, was again a great success, and the Committee's half share of the profits of the undertaking amounted to £100.

The Finnie Memorial Exhibition was rendered possible by the postponement of the Historical Exhibition of Liverpool Art to make room for the subsequently projected Pageant Exhibition of Liverpool Antiquities. The Catalogue, to which the Curator contributed a Memoir and portrait, included 440 examples of Mr. Finnie's art, and the Exhibition was most successful.

A special edition of the Catalogue on hand-made paper was issued. No charge was made for admission, but the profit on the sale of Catalogues was so considerable that the net cost of the Exhibition was only £21 9s. 0d.

The Autumn Exhibition was open during 89 days and 64 evenings, from 23rd September, 1907, to 4th January, 1908.

The general plan, as modified in the preceding year, was followed. In addition to the Continental Room there was again a complete exhibition of works (96 in number), by members of the Royal Society of Miniature Painters, which again proved a particularly attractive feature; a "Black and White" section; and a collective exhibition of pictures by members of the Pastel Society: an innovation which was greatly appreciated. Two of the Exhibits in it were purchased for the Permanent Collection.

By arrangement with the Director of Education, the plan initiated at the Holman Hunt Exhibition was made applicable to the Autumn Exhibition, and, to enhance the educational value of the visit, the sum of £5 was given by a Member of the Sub-Committee to be awarded in prizes for the best essays on the subject. To assist the teachers, the Curator and Miss C. I. V. Dibdin, B.A., prepared special "Notes on the Exhibition," which were printed and circulated.

The first prize was won by Harold W. Dolan (Boaler Street School), and the two second prizes by Norah Pollard (Brae Street School) and Maud Armstrong (Upper Park Street School). There were also twenty other prizes.

As in 1906, the proprietors of the "Liverpool Courier" offered prizes for a special voting competition in connection with the Exhibition, which resulted in the distribution of pictures of the catalogue value of £133.

The attendance of the public was as follows:—

At One Shilling (89 days)	21,317	
At Sixpence (53 evenings)	13,271	
At Threepence (11 evenings)	8,105	
		42,693

Brought forward		42,693
Season Ticket Holders:—		
Gentlemen (5s.)	201	
Ladies (3s. 6d.).....	886	
Students, &c. (2s. 6d.)	1,352	
Complimentary	400	
		2,839
		45,532
In addition, 263 parties of 20 scholars with a teacher were admitted at a nominal charge of 2s. (including catalogue), under the special arrangement with the Director of Education		5,523
		51,055

The number of works shown, according to the catalogue, was 2,185, of which 181 were sold, the catalogue prices of which amounted to £4,446. In addition to the official catalogue, an illustrated edition was, as usual, published by Messrs. D. Marples and Co. The Committee had valuable professional assistance in the hanging of the Autumn Exhibition from Messrs. Solomon J. Solomon, R.A., H. Hughes-Stanton, and R. G. Hinchliffe.

A season ticket holders' soiree was held on 15th November, which was attended by the Right Honourable the Lord Mayor and other civic dignitaries.

On 20th September the Exhibition rooms were granted to the Liverpool Chamber of Commerce for a reception in connection with the Autumnal Meeting of the Associated Chambers of Commerce.

"TWO VOICES."

By J. YOUNG HUNTER.

BRITISH MUSEUM
NATURAL HISTORY

Visitors to the Gallery.

During the year the total number of persons who passed through the turnstiles was 387,205, viz.:—

Days.	Persons.	Daily Average.
261 Free Week Days	337,780	1,294
51 Fridays (6d. Admissions and Students) ...	25,843	506
33 Sundays	10,790	327
Monday evenings (51)	12,792	251
345	387,205	1,122
20 Sundays and Holidays, closed	—	—
365	—	—

The attendances of students during the year numbered 2,190. Eight additional students' tickets were granted.

After deducting from the above figures 37,649 visitors to the Autumn Exhibition (to 31st December), the daily average on free week days was 1,112, from which, however, a further reduction is due in respect of the 2,839 Autumn Exhibition season ticket holders. The figures in reference to these are not, however, ascertainable.

Results of the Autumn Exhibition of Modern Art.

	1906.		1907.	
	No.	£ s. d.	No.	£ s. d.
Works of Art Exhibited	1,749	—	2,185	—
Do. Sold	246	—	181	—
Amount of sales at Catalogue prices	—	5,618 12 0	—	4,446 3 6
Season Tickets sold	3,243	503 11 0	2,439	374 6 0
Admissions at One Shilling	25,080	1,254 0 0	21,317	1,065 17 0
,, Sixpence	16,637	415 18 6	13,271	331 15 6
,, Threepence	9,162	114 10 6	8,105	101 6 3
Schools	—	—	263	26 6 0
Catalogues sold	17,741	482 1 6	15,261	432 9 9
Commission on sales	—	155 7 0	—	140 7 10
Miscellaneous Receipts	—	848 19 9	—	535 18 2
Total Receipts, exclusive of sales.....	—	3,619 1 3	—	3,008 6 6

Pictures Lent.

The following Works have been lent to Exhibitions, &c., as under:—

Title.	Artist.	Lent to.
"When the Children are asleep"	T. Faed, R.A.	Blackburn Corporation.
"Pelagia and Philammon"	A. Hacker, A.R.A.	,, ,,
"Tristram and Iseult"	H. J. Draper	,, ,,
"The Triumph of the Innocents."	W. Holman Hunt	Glasgow Corporation.
"Maiwand—Saving the Guns"	R Caton Woodville	Bristol Corporation.
"The Punishment of Luxury"	G. Segantini	Irish International Exhibition.
"A Shaft of Light"	E. G. Hobley	,, ,,
"The Charge of the 21st Lancers at Omdurman"	R. Caton Woodville	,, ,,
"Alas! that Spring should vanish with the Rose"	Mouat Loudan	,, ,,
"An Idyll"	M. Greiffenhagen	Canadian National Exhibition
"Daniel"	Briton Riviere, R.A.	,, ,,
"Table d'Hote at a Dogs' Home"	J. C. Dollman	Wolverhampton Corporation.
"Horse and Lioness"	G. Stubbs, R.A.	Whitechapel Art Gallery, London.
"Tried Friends"	W. Huggins.	,, ,,
"Donkey and Foal"	,,	,, ,,
"Game"	W. Davis	,, ,,
"A Mastiff"	R. Ansdell, R.A.	,, ,,
"Bloodhound and Pups"	C. Landseer	,, ,,
"An Idyll"	M. Greiffenhagen	Newcastle Corporation.
"Echo and Narcissus"	J. W. Waterhouse, R.A.	,, ,,
"Eventide"	Sir H. Von Herkomer, R.A.	Sheffield Corporation.
"Homeward Bound"	R. W. Allan	,, ,,
"Tatties and Herrin'"	Gemmell Hutchison	,, ,,
"A Reverie"	F. Dicksee, R.A.	British Art Gallery Melbourne.
"Love's Baubles"	Byam Shaw	,, ,,
"Maiwand—Saving the Guns"	R. Caton Woodville	,, ,,
"The Ancestor on the Tapestry"	J. Haynes Williams	,, ,,
"Flower Sellers"	Gustav Doré	Glasgow Institute of Fine Arts.
"Eventide"	Sir H. Von Herkomer, R.A.	,, ,,
"Daniel"	Briton Riviere, R.A.	,, ,,

Reproductions.

The following privileges for the reproduction of Works in the Permanent Collection have been granted during the year. In no case is the privilege granted an exclusive one, the Committee reserving the right to afford similar facilities to other applicants:—

Applicant.	Title.	Artist.
Benziger & Co.	"And when did you last see your father?"	W. F. Yeames, R.A.
A. Hutchinson	" "	"
W. Howard	"One of the Family"	F. G. Cotman.
E. H. Fitchew.	"On the evening of the Battle of Waterloo."	Ernest Crofts, R.A.
J. Bibby & Sons	"A Parting"	Marianne Stokes.
Stuart C. Knox	"The Port of Shields"	C. Napier Hemy, A.R.A.
A. Hutchinson	"Nearing the Needles"	Henry Moore, R.A.
"	"Launching the Lifeboat"	"
Emery Walker	"Lorenzo and Isabella"	Sir J. E. Millais, Bart., P.R.A.
Bemrose, Dalziel, Ltd.	"Dante's Dream"	D. G. Rossetti
Baron O. Schleinitz	"The Triumph of the Innocents"	W. Holman Hunt.
Charles de Garmo	"And when did you last see your father?"	W. F. Yeames, R.A.
Deutsche Verlags Anstalt.	"Head of a Young Man"	Gerard Dow
Charles W. Kent	"A Reverie	F. Dicksee, R.A.
Rev. R. H. Craft	"And when did you last see your father?"	W. F. Yeames, R.A.
Cassell & Co., Ltd.	"	"
"	"Faithful unto Death"	Sir E. J. Poynter, Bart., P.R.A.
"	"Maiwand—Saving the Guns"	R. Caton Woodville.
Oliver & Boyd	"Faithful unto Death"	Sir E. J. Poynter, Bart., P.R.A.
"	"One of the Family"	F. G. Cotman
"	"The Pedlar"	F. Morgan.
E. H. Fitchew	"Serf Emancipation"	E. Armitage, R.A.
A. W. Drake	"And when did you last see your father?"	W. F. Yeames, R.A.
G. Bolak	"A Reverie"	F. Dicksee, R.A.
Angiolo Paoletti	"Dante and Beatrice"	H. Holiday.
Andre & Sleigh, Ltd.	"Nearing the Needles"	Henry Moore, R.A.
J. M. Kronheim & Co.	"One of the Family"	F. G. Cotman.
T. Forman & Sons	"When the Children are asleep"	T. Faed, R.A.
Rev. S. H. Fullerton	"The Port of Shields"	C. Napier Hemy, A.R.A.
Duckworth & Co.	"Lorenzo and Isabella"	Sir J. E. Millais, Bart., P.R.A.
George Newnes, Ltd.	"One of the Family"	F. G. Cotman.
"	"The Ancestor on the Tapestry"	J. Haynes Williams.
"	"A Select Committee"	H. Stacy Marks, R.A.
John Swain & Son, Ltd.	"And when did you last see your father?"	W. F. Yeames, R.A.
"	"Awaiting an Audience"	Prof. Willem Geets.
Rev. Dr. Cossio	"Dante's Dream"	D. G. Rossetti.
"	"Dante and Beatrice"	Hy. Holiday.

Applicant.	Title.	Artist.
W. A. Mansell & Co.	"Ruth and Naomi"	P. H. Calderon, R.A.
H. Saint Gaudens	"O Mistress Mine"	E. A. Abbey, R.A.
G. G. Harrap & Co.	"Samson"	Solomon J. Solomon, R.A
"	"Ruth and Naomi"	P. H. Calderon, R.A.
G. Bolak	"A War Despatch at the Hotel de Ville"	A. C. Gow, R.A.
"	"And when did you last see your father?"	W. F. Yeames, R.A.
"	"In Time of War"	T. Faed, R.A.
"	"Faithful unto Death"	Sir E. J. Poynter, Bart., P.R.A.
W. E. Hodgson	"The Founder of English Astronomy."	Eyre Crowe, A.R.A.
A. Hutchinson	"Portrait of W. Holman Hunt"	R. Peacock.
T. & R. Annan & Sons	"Summer"	E. A. Hornel.
" "	"Eve"	T. Millie Dow.
Charles Letts & Co.	"Ruth & Naomi"	P. H. Calderon, R.A.
W. A. Mansell & Co.	"A Reverie"	F. Dicksee, R.A.
McCorquodale & Co., Ltd.	"Psyche in the Temple of Love"	Sir E. J. Poynter, Bart., P.R.A.
G. Bolak	"A Cornish Idyll"	Walter Langley.
Oliver & Boyd	"The Road to Camelot"	G. H. Boughton, R.A.
Bemrose & Sons, Ltd.	"Elijah in the Wilderness"	Lord Leighton, P.R.A.
"	"The Triumph of the Innocents"	W. Holman Hunt.
A. L. Haydon	"Ophelia"	Henrietta Rae
George Allen	"The Triumph of the Innocents"	W. Holman Hunt.
Miss Sandes	"Motherless"	A. Stocks.
A. Hutchinson	"A Reverie"	F. Dicksee, R.A.
McCaw, Stevenson & Orr, Ltd.	"Motherless"	A. Stocks.
" "	"An Idyll"	M. Greiffenhagen.
" "	"The Pedlar"	F. Morgan.
" "	"Meadow Sweets"	David Murray, R.A.
W. M. Bamford	"Eventide"	Sir H. Von Herkomer, R.A.
A. Hutchinson	"The Founder of English Astronomy"	Eyre Crowe A.R.A.
W. A. Mansell & Co.	"Ruth & Naomi"	P. H. Calderon R.A.
J. B. Palmer	"The Triumph of the Innocents"	W. Holman Hunt.
The P.P. Press	"The White Lady of Nuremberg"	Sir Wyke Bayliss
W. G. Darkin	"In time of War"	T. Faed, R.A.
Cassell & Co., Ltd	"Maiwand—Saving the Guns"	R. Caton Woodville.
T. Nelson & Sons	"A War Despatch at the Hotel de Ville"	A. C. Gow, R.A.
F. Dolman	"The Best of Husbands"	A. Stocks.
W. Collins, Sons & Co.	"Richard II resigning the Crown"	Sir J. Gilbert, R.A.
Alliance, Ltd.	"An Idyll"	M. Greiffenhagen.
J. Swain & Son, Ltd.	"Dante's Dream"	D. G. Rossetti.
Andre & Sleigh, Ltd.	"An Idyll"	M. Greiffenhagen.
E. D. Farrar	"Ophelia"	Henrietta Rae.
W. Heinemann	"Lorenzo & Isabella"	Sir J. E. Millais, Bart., P.R.A.

"IDYLLE."

By LÖYS J. PRAT.

BRITISH MUSEUM
NATURAL HISTORY

ADDITIONS to the PERMANENT COLLECTION.

The undermentioned Works of Art have been added to the Permanent Collection during the year, viz.:—

By Purchase from the Autumn Exhibition:

"The Admonition" (oil), by Henry Woods, R.A.

"Idylle" (oil), by Loÿs J. Prat.

"The Bard" (oil), by H. Clarence Whaite, P.R.C.A.

"Two Voices" (water-colour), by J. Young Hunter.

"By the edge of the stream" (pastel), by Henry S. Tuke, A.R.A.

"Door of a Mosque—Tangiers" (pastel), by Terrick Williams.

"Deux vieux paysans" (miniature), by Mdme. G. Debillemont-Chardon.

"Etude de Chat" (marble), by Louis Riché.

The following were purchased under the terms of the Lord Derby Bequest, "with a special view to the encouragement of rising artists":—

"Going to Church" (oil), by W. K. Blacklock.

"Primroses and Bluebells" (oil), by F. George Swaish.

Also the following were selected from the "Black and White" Section:—

"Marche aux légumes" (colour print), by François Simon.

"Lucia" (etching), by Miss Constance G. Copeman, A.R.E.

"The Marsh Farm" (etching), by F. V. Burridge, R.E.

"Boat Shed on Medway" (etching), by Sidney Lee, A.R.E.

"A reminiscence of Corot," and "Light in the West" (mezzotints), by the late John Finnie, R.E.

"Leeds" (drypoint), by Muirhead Bone.

"The sleepless daisy" (pen drawing), by Miss Annie French.

"The Château of Annecy" (monotype), by Ed. S. Harrison.

"Limehouse" (lithograph), by Percy Bulcock.

"Late Snow" (lithograph), by Miss Winifred M. Horton.

Also six examples of Decorative Pottery, by the Della Robbia Pottery and Marble Co.--Doulton & Co., Ltd., and W. Howson Taylor.

By Purchase:—

"Cranmer endeavouring to obtain a confession of guilt from Catherine Howard" (oil), by W. L. Windus.

"Pheasant and Drake" (oil), by William Davis.

"On a Lee Shore in a Gale" (oil), by W. J. J. C. Bond.

"Crossing the Brook" (water-colour), by Sam Austin, R.W.S.

By Donation:—

"Château Gaillard, Les Andeleys, France" (oil), by H. Hughes-Stanton, purchased from the Autumn Exhibition, and presented by the Right Honourable Sir John T. Brunner, Bart., P.C., M.P., &c.

"A sunny day, Lelant, Cornwall" (water-colour), by H. Hughes-Stanton, presented by the artist.

"Psyche at the Well" (marble), by B. E. Spence, presented by Miss A. M. Thompson.

"Landscape with Sheep" (oil), by Arthur Tomson, presented by the artist's widow.

"Interior" (oil), by W. Collingwood, presented by Miss A. M. Thompson.

"PRIMROSES AND BLUEBELLS."

By F. G. SWAISH

BRITISH MUSEUM
NATURAL HISTORY

Portrait of the late Rt. Hon. Samuel Smith (oil), by W. E. Lockhart, R.S.A., presented by Mr. Alderman James Smith, J.P.

Crayon Portraits of Edward Lear and Robert B. Martineau, by W. Holman Hunt, O.M., presented by the Artist, "as a mark to the City of Liverpool of my gratitude to the Academy, then the sole representative of the City's Art, for its award to me, on two occasions, of the annual prize, a benefit not to myself alone, but to our whole then struggling body."

"The Paddle S.S. 'British Queen' in a Heavy Sea" (oil), by Samuel Walters, presented by Mrs. Hector Mackenzie.

"Trafalgar re-fought" (oil), and "Nelson at the Battle of St. Vincent" (oil), presented by Miss Imrie (in connection with the bequest by the late William Imrie).

Portrait of John Gibson, R.A., in Working Dress (water-colour), by Hargreaves, presented by W. F. Lawrence, Esq.

Three Lunette Panels in Della Robbia Ware, representing "Painting," "Poetry," and "Music," presented by Mrs. George Holt.

Part I., Reproductions of Prints (Third Series), presented by the Trustees of the British Museum.

A number of original drawings, sketches, lithographs, &c., being selections from a portfolio belonging to the late J. R. Isaac, presented by his son, Percy L. Isaac, Esq.

An impression of the scarce lithograph caricature, by F. Sandys, of the picture "Sir Isumbras at the Ford," by Sir J. E. Millais, Bart., P.R.A., presented by H. E. Kidson, Esq.

By Bequest:—

"A Fine Morning, North Wales" (oil), by B. W. Leader, R.A., bequeathed by E. E. Edwards, J.P.

AUTUMN EXHIBITION: STATEMENT OF ADMISSIONS, SALES, &c., FROM 1871 TO 1907.

Year.	Admissions. One Shilling.	Admissions. Sixpence.	Admissions. Threepence.	Season Tickets.	Catalogues Sold.	Commission on Sales.	Miscellaneous Receipts.	Total Receipts.	Works Sold.	
1871	£720 16 0	...	£207 14 6	£62 2 0	£165 10 0	£320 18 6	£46 4 4	£1,523 5 4	235	£6,395 2 6
1872	601 5 0	£175 9 6	48 2 6	59 6 6	168 0 6	312 6 0	3 18 3	1,368 8 3	242	6,231 4 6
1873	665 18 0	...	229 10 3	96 8 6	199 17 6	371 17 0	2 10 0	1,566 1 3	271	7,402 17 6
1874	854 16 0	...	241 13 3	151 16 6	247 0 6	479 0 3	2 7 0	1,976 13 6	337	9,514 13 0
1875	972 13 0	77 17 6	237 14 0	210 7 0	279 14 3	617 3 0	11 9 2	2,406 17 11	345	12,299 18 6
1876	1,118 0 0	86 9 6	232 7 6	221 1 0	301 12 0	440 15 3	9 10 7	2,409 15 10	255	8,867 10 0
1877	1,928 12 0	...	419 3 3	443 14 0	454 10 1	537 11 2	18 4 2	3,801 14 8	301	10,963 11 0
1878	1,964 17 0	330 9 6	423 5 0	528 14 6	562 8 6	237 13 0	142 0 4	4,189 7 10	235	6,225 14 0
1879	1,516 12 0	212 1 6	378 11 9	566 7 6	504 9 3	364 16 0	7 17 0	3,550 15 0	267	9,159 15 0
1880	1,449 11 0	274 4 6	489 19 6	499 16 0	509 7 3	544 3 3	10 17 7	3,727 19 1	271	11,753 7 6
1881	1,434 15 0	289 4 6	376 4 6	475 14 0	468 19 9	523 7 6	15 9 6	3,583 14 9	315	12,210 11 0
1882	1,430 3 0	299 3 6	332 16 0	476 1 0	472 14 6	362 8 9	23 1 11	3,396 8 8	311	7,868 3 6
1883	1,302 1 0	273 8 0	304 17 3	381 3 6	434 15 9	403 13 0	32 6 10	3,132 5 4	226	8,472 10 6
1884	1,966 12 0	535 0 6	519 14 3	649 7 6	599 13 3	432 6 3	87 7 5	4,790 1 2	291	12,313 7 6
1885	1,317 9 0	366 9 0	344 10 0	501 7 6	481 7 9	353 17 0	44 1 10	3,409 2 1	196	8,028 8 6
1886	1,147 1 0	397 14 0	333 15 9	302 10 6	434 9 0	336 13 9	36 19 7	2,989 3 7	224	8,576 18 0
1887	888 15 0	389 18 6	260 0 0	216 4 0	371 2 3	185 3 9	18 11 0	2,329 14 6	181	4,791 19 0
1888	1,473 5 0	623 9 0	186 11 3	384 1 0	524 17 6	268 16 9	40 3 3	3,501 3 9	168	6,461 6 0
1889	1,475 4 0	588 7 6	92 15 6	432 11 6	524 9 6	283 10 6	75 2 7	3,472 1 1	184	8,083 3 6
1890	1,372 11 0	375 3 6	241 4 6	511 12 6	484 18 0	221 16 9	79 1 4	3,286 7 7	188	6,943 1 6
1891	1,765 3 0	398 15 6	449 1 9	593 14 0	589 1 6	281 4 3	61 15 6	4,138 15 6	159	7,603 2 0
1892	1,559 13 0	421 19 0	223 4 0	652 9 6	535 12 9	172 7 9	43 16 2	3,609 2 2	149	5,132 8 6
1893	1,423 15 0	445 0 0	207 12 9	620 18 6	505 9 0	196 14 6	42 6 0	3,441 15 9	139	6,297 9 0
1894	1,290 7 0	433 14 0	246 17 6	641 12 6	500 0 9	142 11 3	31 9 10	3,286 12 10	124	4,345 4 6
1895	1,268 10 0	414 5 0	213 13 3	566 6 0	467 18 0	180 14 0	24 11 4	3,135 17 7	155	5,470 7 0
1896	1,371 15 0	423 4 6	205 7 9	623 2 0	500 14 7	143 16 2	64 17 5	3,332 17 5	151	4,227 8 0
1897	1,510 14 0	533 11 6	258 12 9	584 1 0	553 4 3	179 4 10	90 5 10	3,709 14 2	176	5,821 12 6
1898	1,406 9 0	428 6 6	229 2 0	453 6 6	490 19 8	365 11 10	209 3 9	3,582 19 3	188	9,397 17 6
1899	1,363 5 0	458 11 0	166 1 3	482 13 6	493 0 0	197 0 9	375 14 3	3,536 5 9	172	8,089 2 6
1900	1,431 3 0	498 11 0	189 0 6	541 19 6	501 7 0	277 14 4	922 15 2	4,362 10 6	175	8,508 14 6
1901	1,419 16 0	517 11 6	158 19 3	570 12 6	515 9 0	257 12 10	625 12 7	4,065 13 8	239	7,669 17 0
1902	1,212 8 0	434 3 0	190 5 9	491 19 6	483 15 6	167 14 5	469 14 10	3,450 1 0	169	5,299 6 6
1903	1,259 15 0	482 19 0	201 15 6	487 17 0	505 9 9	221 6 6	428 15 8	3,587 18 5	215	6,968 1 6
1904	1,318 4 0	448 17 6	130 11 3	490 0 0	487 6 9	254 0 3	593 14 7	3,722 14 4	223	7,056 10 0
1905	1,361 10 0	440 17 6	130 12 0	530 11 6	506 6 3	206 17 11	713 1 8	3,889 16 10	247	6,173 0 3
1906	1,254 3 0	415 18 6	114 10 6	503 11 0	482 1 6	155 7 0	848 19 9	3,619 1 3	246	5,618 12 0
1907	1,065 17 0	331 15 6	101 6 3	400 12 0	432 9 9	140 7 10	535 18 2	3,008 6 6	181	4,446 3 6
Total	47,883 0 0	12,822 10 6	9,267 4 6	16,405 13 0	16,740 3 1	11,148 3 10	6,769 16 2	121,891 4 1	8,151	280,681 2 3

E. RIMBAULT DIBDIN, Curator.

BRITISH MUSEUM (NATURAL HISTORY)
PRESENTED 21 NOV. 1910

FIFTY-SIXTH

ANNUAL REPORT

OF THE COMMITTEE

OF THE

PUBLIC LIBRARIES,

MUSEUMS,

AND

ART GALLERY,

OF THE

CITY OF LIVERPOOL,

FOR THE YEAR ENDING 31ST DECEMBER, 1908.

LIVERPOOL:
C. TINLING & CO., LTD., PRINTING CONTRACTORS, 53, VICTORIA STREET.

1909.

BRITISH MUSEUM
NATURAL HISTORY

BRITISH MUSEUM
NATURAL HISTORY

GARSTON LIBRARY AND READING ROOMS

(the Gift of A. Carnegie, Esq., LL.D.)

FIFTY-SIXTH

ANNUAL REPORT

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—
1909.

BRITISH MUSEUM
NATURAL HISTORY

COMMITTEE AND OFFICERS

for the Year 1908-1909.

THE RIGHT HONOURABLE HAROLD CHALONER DOWDALL,
LORD MAYOR.

Committee:

COUNCILLOR F. J. LESLIE, CHAIRMAN.

RICHARD CATON, ESQ., J.P., M.D., LL.D., DEPUTY-CHAIRMAN.

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JOHN LEA, ESQ., J.P.,
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ALDERMAN J. N. STOLTERFOHT,
ALDERMAN E. WRAKE TURNER,
COLONEL W. HALL WALKER, M.P.

Chief Librarian

Deputy-Librarian:
HENRY E. CURRAN.

Director of Museums:
HENRY O. FORBES, LL.D., F.R.G.S., F.R.A.Inst.

Assistant Curator of Lord Derby Museum:
JOSEPH A. CLUBB, M.Sc.

Assistant Curator of Mayer Museum:
P. ENTWISTLE.

Curator of the Walker Art Gallery
E. RIMBAULT DIBDIN.

Assistant Curator, Walker Art Gallery:
ARTHUR G. QUIGLEY.

GENERAL REPORT.

Although this volume is a Report of events which took place and work which was done in 1908, it cannot be written in 1909 save under an abiding sense of the loss the Committee and the Institutions under their charge, have sustained, not only at the end of the one year but also in the beginning of the other.

It has been the good fortune of the Committee that for many years past no change has occurred in the personality of either their Chairman, their Vice-Chairman, or their Chief Librarian. But the retirement of Sir William Forwood, in November, from his 19 years' Chairmanship (though happily not from his Membership) of the Committee, was soon followed by the lamented death of Mr. R. D. Holt in December, and that of Mr. Cowell in February. Mr. Holt first joined the Committee in 1877, while Mr. Cowell had been in its service since 1853.

It has been under the guidance and control of those who have thus surrendered or been taken away from the offices they have filled so long and so well, that the great Free Library system of Liverpool was built up.

The Committee have already placed on record the deep regret which these changes have inspired, and those who have succeeded to the responsible offices thus vacated can only express their earnest hope that in their hands the full public usefulness of these Institutions may be maintained and extended.

In all the three Departments of the Committee's work the year's record is one of progress. Libraries with an annual issue of three

millions of volumes, Museums with an attendance of 464,000 visitors, and Art Collections which have attracted 338,000 persons in the year, must, even by the test of numbers alone, be doing a work, the vast importance of which is perhaps hardly appreciated by the community as it should be.

The Garston Library has been brought to completion, and that at Fazakerley must be undertaken soon. With the completion of the latter Library the erection and equipment of the series of buildings which the conditions of City extension have imposed upon the Committee will be brought to an end, and thus more leisure will be given for the consideration of needed improvements in the general system. The supervision and stocking of a new library is a long and strenuous task, and for some years past now there has always been one in hand, occupying the time of the most experienced members of the staff. Their release from this work will enable them to devote time to elaborating a scheme for more closely linking up the now numerous Branches with the Central Library, so that the interchange of books may be made easy and rapid. The Libraries and the Schools may also be usefully brought together more than they are, so that each may play its proper part in the great work of education.

The Report of the Art Curator shows that in his department much needs to be done. The provision of additional Gallery space is a most pressing need, and cannot be much longer delayed. The Art loving public of Liverpool demand their Autumn Exhibition, and also ask for the continuous display of the permanent collection, but they cannot possibly have both of these in the present building.

In the Museums the adequate presentment of their treasures in the splendid New Galleries has made steady progress, and no one

can fail to be impressed by the fine effect which has thus been produced. But the interest and value of the collections, both to the student and to the casual visitor, are much impaired by the absence of Catalogues and Guides, and the Committee are taking this matter seriously in hand. They have been fortunate in securing the generous help in this respect of the University Professors, and they intend to take the fullest advantage of the valuable aid thus offered. The opportunity of supplementing the learning and skill of their own Director by the advice and counsel of those who are experts of the highest rank in their several subjects is certainly not to be neglected.

The aim in Libraries, Museums and Art Gallery alike must be to popularise them more and more, and to teach the people of Liverpool how to make the best use of the treasures they own.

FRANK J. LESLIE,
CHAIRMAN.

LIBRARIAN'S REPORT.

The statistical and other returns of the work of the past year are herewith submitted and serve to show that the Libraries are not only maintaining their efficiency and usefulness, but are an increasing force in the intellectual life and educational economy of the City. The issue of nearly three million volumes from the Reference and Branch Libraries supplies in itself a convincing evidence of the beneficial service of the Institutions to the community. To this number, however, the issue of some 500,000 magazines and reviews (many of them literary, technical, and industrial) must be added; while the visitors to the newspapers approximate to almost the same total. Compared with the figures for the year 1907 the very gratifying increase of upwards of 163,000 volumes used throughout the whole of the library system is shown, of which total less than 43,000 were works of prose fiction. This improvement is general; it is, however, most particularly manifest in connection with the Reference Library—where an advance of more than 39,000 volumes in the Picton Reading Room issues has been recorded, the improvement being most marked in the literature of the Fine and Industrial Arts, History and Biography, Commerce, Political Economy and Maritime affairs, Education and Language, Poetry and the Drama, and Topography and Antiquities; while of the 22,242 additional volumes read in the Brown Reading Room only 3,737 were works of prose fiction, which indicates a marked advance in the quality of the reading, and justifies more strongly than ever the Committee's policy of supplying popular works of travel, science, history, and other subjects of general interest, to this department. These latter figures are exclusive of the large numbers of Directories, Patents, and files of newspapers consulted. Slight reductions appear in the issues of children's books and in some other directions also; but the only notable decreases are in respect of the Magazine issues and the number of visitors to the Newspapers at the Branch Libraries, where the totals have fallen by 121,848 and 118,724 respectively, compared with 1907.

The Catalogue of Liverpool Prints and Documents was completed and published in the early part of the year, and its importance as a supplement to the records of local historians has been fully recognised. It forms an index to the considerable collection of maps, plans, views, portraits, memoirs, literature, &c., relating to the City, gathered by the Committee during the course of many years; and has already proved of distinct service to those seeking information on antiquarian, topographical, biographical, administrative, literary, and other matters of interest in the past and the present of Liverpool.

During the year, the provision of a selection of foreign books (French, German, Spanish, and Italian) for circulation from the Lending Libraries was also instituted: and this departure has been attended with much success, readers greatly appreciating the opportunity of improving their knowledge of these foreign tongues and foreign literatures.

Several important gifts of books have to be acknowledged: Miss Mary Hornby continuing her liberal gifts of Books for the Blind in Braille type which have proved in the past so signal a boon to our Blind readers.

The Garston Branch Library is now almost completed and equipped, and very soon its Lending Library and Reading Rooms will be at the service of the people of that district.

The Free Lectures provided during the year numbered 181, showing a further extension of the Committee's operations in this direction. Of this number 162 were delivered to adult audiences, and included pictures of travel in various parts of the world, Science popularly considered, Natural History, Local and General History, Engineering and the application of electricity, the Mercantile Marine, and many other interesting and instructive subjects. The remaining 19 lectures were specially for children, and were successful in a high degree. The total attendance at the lectures was 97,334.

TABLE I.

SUMMARY OF STATISTICS OF LIBRARIES DEPARTMENT.

	Volumes.	Prints Consulted.	Periodicals.	Newspaper Visitors.	Lecture Attendance.
Reference Library.					
PICTON READING ROOM: Volumes issued (General Literature and Reference works)—					
On application 223,740					
From open access shelves (approximate) 50,662					
Reference works from open access shelves (approximate) 26,578	300,980				
Current literary, scientific, and technical Reviews and Periodicals: from open access racks (approximate).....			110,422		
HUGH FREDERICK HORNBY LIBRARY: Volumes issued	870				
Prints consulted		1,426			
BROWN READING ROOM: Volumes issued: Biography, History, Travel, Popular Science, &c., from open access shelves 127,052					
Prose Fiction 77,723	204,775				
Current Popular Magazines and Periodicals, from open access rack (approximate)			246,874		
DIRECTORIES: Volumes issued from open access shelves (approximate)	174,812				
PATENTS DEPARTMENT: Specifications of Patents for Inventions	43,515				
NEWSPAPERS: Persons consulting current newspapers (approximate)				381,499	
NEWSPAPERS: Bound Volumes	6,127				
Totals—Reference Library.....	731,079	1,426	357,296	381,499	

TABLE I.—*Continued.*

	Volumes.	Prints Consulted.	Periodicals.	Newspaper Visitors.	Lecture Attendance.
Lending Libraries.					
VOLUMES LENT FOR HOME READING	1,431,356				
TOXTETH LIBRARY READING ROOMS:					
Volumes issued	225,644				
Magazines and Reviews			146,976		
Visitors to the Newspapers				199,953	
EVERTON LIBRARY READING ROOMS:					
Volumes issued	125,952				
Magazines and Reviews			194,722		
Visitors to the Newspapers				159,933	
KENSINGTON LIBRARY READING ROOMS:					
Volumes issued	124,654				
Magazines and Reviews			147,732		
Visitors to the Newspapers				125,700	
WALTON LIBRARY READING ROOM:					
Volumes issued	16,935				
Magazines and Reviews			52,972		
Visitors to the Newspapers				69,997	
WAVERTREE LIBRARY READING ROOMS:					
Volumes issued	82,376				
Magazines and Reviews			195,195		
Visitors to Newspapers				157,995	
RAWDON READING ROOM:					
Volumes issued	55,653				
Magazines and Reviews			65,016		
Visitors to Newspapers				67,424	
KIRKDALE LIBRARY READING ROOMS:					
Volumes issued	112,232				
Magazines and Reviews			202,368		
Visitors to the Newspapers				97,641	
ANDREW CARNEGIE LIBRARY READING ROOMS:					
Volumes issued	89,141				
Magazines and Reviews			153,394		
Visitors to the Newspapers				80,051	
DRYDEN STREET READING ROOM:					
Volumes Issued	4,426				
Magazines and Reviews			14,682		
Visitors to the Newspapers				22,865	
Evening Reading Rooms.					
Newspapers, Magazines, and Reviews				77,293	
Lectures (21 centres).					
Attendances—					
Picton Lecture Hall 30,623					
District Lecture Halls 66,711					
					97,334
Totals—Lending Libraries	2,268,369	—	1,173,057	1,058,852	—
Totals— Reference Library	731,079		357,296	381,499	—
Totals— ,, Prints		1,426			
Grand Totals	2,999,448	1,426	1,530,353	1,440,351	97,334

TABLE II.

Classification of volumes issued in the Reference Department.

Picton Reading Room and Brown Reading Room :—

	1908.	1907.
Theology, Morals, Metaphysics	21,893	18,020
Natural Philosophy, Mathematics, Physiology, &c. ...	29,742	27,370
Natural History	13,417	11,332
Fine and Industrial Arts 57,605	101,120	85,452
— Specifications of Patents 43,515		
History and Biography, &c.	62,030	55,135
Topography and Antiquities	21,653	15,380
Voyages and Travels, Gazetteers, Atlases	43,553	38,560
Collected Works, Essays, &c.	69,113	70,238
Jurisprudence, Law, Politics	14,096	10,902
Commerce, Political Economy, Social Science, &c. ...	27,222	19,688
Education and Language...	27,963	23,822
Poetry and Dramatic Literature	21,185	14,519
Prose Fiction	77,723	73,986
Latin and Greek Classics	4,494	3,605
Encyclopædias, Dictionaries, &c. 14,066	188,878	164,029
— Directories 174,812		
Newspapers: Bound Volumes	6,127	5,930
	730,209	637,968
Hugh Frederick Hornby Art Library :—		
Volumes Issued*	870†	1,721
Total	731,079	639,689

* There were also 1,426 Prints consulted in the Hornby Library.
† During the year the Hornby Library was closed for six months.

TABLE III.

Shewing the number and classification of works contained in the Reference Department:—

Theology, Morals, and Metaphysics	8,986
Natural Philosophy, Mathematics, &c.	4,121
Natural History	8,397
Fine and Industrial Arts	20,253
History and Biography, &c.	16,696
Topography and Antiquities	7,902
Voyages and Travels, Gazetteers, Atlases	7,141
Miscellaneous Literature (principally collected Works, Essays, Reviews, Societies' Proceedings, &c., in volumes)	34,227
Jurisprudence, Law, Politics	11,834
Commerce, Political Economy, Social Science, &c.	4,526
Education and Language	2,650
Poetry and Dramatic Literature	5,002
Prose Fiction	5,409
Latin and Greek Classics and Translations	1,095
Encyclopædias and Works of General Reference...	5,626
Hugh Frederick Hornby Art Library	7,860
Total	151,725

TABLE IV.

Shewing the number and classification of volumes in the Lending Libraries and Reading Rooms.

Classification.	Central Lending Library.	Everton Branch.	Toxteth Branch.	Kensington Branch.	Walton Branch.	Sefton Park Branch.	Wavertree Branch.	Kirkdale Branch.	Andrew Carnegie Branch.	Rawdon Reading Room.	Dryden Street Reading Rooms.	Total.
Theology, Morals, &c.	481	1,914	1,817	494	248	160	334	350	370	7	2	**6,177**
Natural Philosophy	553	711	717	532	324	191	332	326	280	4	1	**3,971**
Natural History	586	842	897	487	259	175	357	363	343	3	7	**4,319**
Fine and Industrial Arts	2,737	2,545	2,631	2,283	1,195	781	1,178	1,056	1,167	14	14	**15,604**
History and Biography	1,830	3,281	4,578	1,680	858	621	996	1,086	1,090	46	25	**16,091**
Topography, Antiquities	392	587	608	394	239	160	236	227	224	7	2	**3,076**
Voyages and Travels	781	1,496	1,552	669	469	427	511	560	541	33	19	**7,058**
Miscellaneous Literature	389	2,567	3,044	2,151	484	157	434	272	318	29	4	**9,849**
Jurisprudence, Law, &c.	159	212	176	141	80	64	115	124	124	2	2	**1,199**
Commerce, &c.	453	646	631	438	237	150	229	262	257	4	2	**3,312**
Education, Language	206	392	384	194	144	113	169	216	187	10	1	**2,016**
Poetry and the Drama	297	604	665	330	122	96	131	166	187	15	2	**2,615**
Prose Fiction	6,415	7,523	7,464	6,207	5,327	4,094	3,619	4,592	4,832	289	50	**50,442**
Latin and Greek Classics	58	108	81	69	—	—	50	71	98	1	—	**536**
Books for the Blind	1,711	—	—	—	—	—	—	—	—	—	—	**1,711**
Books for the Young	—	3,323	2,875	2,623	—	—	1,374	2,872	2,207	—	—	**15,274**
Foreign Literature	333	—	—	—	—	—	—	—	—	—	—	**333**
Totals	17,411	26,751	28,126	18,692	9,986	7,189	10,065	12,543	12,225	464	131	**143,583**

TABLE V.

CENTRAL LENDING AND BRANCH LIBRARIES.

General Statistics.

Volumes issued, &c.	Central.	Everton Branch.	Toxteth Branch.	Kensington Branch.	Walton Branch.	Sefton Park Branch.	Wavertree Branch.	Kirkdale Branch.	Andrew Carnegie Branch.	Rawdon Reading Room.	Dryden St. Reading Room.	Total.
Volumes Issued.												
Lending Departments	245,866	158,120	191,124	182,159	114,800	80,733	125,375	170,988	162,191	—	—	1,431,356
General Reading Rooms	—	76,242	142,522	86,753	16,935	—	66,723	75,909	47,159	55,653	4,426	572,322
Ladies' Rooms	—	22,374	55,961	6,722	—	—	3,421	1,946	24,513	—	—	114,937
Children's Rooms	—	27,336	27,161	31,179	—	—	12,232	34,377	17,469	—	—	149,754
Total issued	245,866	284,072	416,768	306 813	131,735	80,733	207,751	283,220	251,332	55,653	4,426	2,268,369
Magazines Issued.												
General Reading Rooms	—	141,134	81,066	95,806	52,972	—	129,353	88,808	61,034	65,016	14,682	729,871
Ladies' Rooms	—	22,448	37,585	21,143	—	—	32,611	22,694	40,442	—	—	176,923
Children's Rooms	—	31,140	28,325	30,783	—	—	33,231	90,866	51,918	—	—	266,263
Total issued	—	194.722	146,976	147,732	52,972	—	195,195	202.368	153,394	65,016	14,682	1,173,057
Newspaper Readers.												
General Reading Rooms	—	150,890	156,011	113,094	69,997	—	146,420	95,866	69,285	67,424	22,865	891,852
Ladies' Rooms	—	9,043	43,942	12,606	—	—	11,575	1.775	10,766	—	—	89,707
Total readers	—	159,933	199,953	125,700	69,997	—	157,995	97,641	80,051	67,424	22.865	981.559
Tickets Issued.												
General	3,547	1,324	2,015	1,846	1,526	984	1,441	1,041	1,510	—	—	15,244
Special for Students	577	127	186	136	129	126	165	121	216	—	—	1,783
Juvenile	—	577	523	754	—	—	229	1,035	332	—	—	3,450
Total New Tickets	4,124	2,038	2,724	2,736	1,655	1,110	1,835	2,197	2,058	—	—	20,477
Total Tickets in use	7,562	4,506	5,728	5,365	3,244	2,258	3,950	4,948	4,916	—	—	42,477
Books Lost.												
Lost or injured and paid for	37	21	13	16	9	7	11	14	18	—	—	146
Lending Departments	3	1	9	2	2	—	—	9	3	—	—	29
Reading Rooms	—	17	19	8	—	—	2	14	3	—	—	63
Volumes added, &c.												
Worn out and withdrawn	438	246	305	161	—	45	—	45	—	—	—	1,242
Worn out and replaced	1,618	724	774	428	466	264	162	49	145	—	—	4,633
Added	969	898	660	1,223	470	428	489	786	677	—	—	6,600
Total volumes in Libraries	17,411	26,751	28,126	18,692	9,986	7,189	10,065	12,543	12,225	464	131	143,583

TABLE

Shewing the classification of volumes

Classification.	Lending Departments.								
	Central.	Everton Branch.	Toxteth Branch.	Kensington Branch.	Walton Branch.	Sefton Park Branch.	Wavertree Branch.	Kirkdale Branch.	Andrew Carnegie Branch
Theology, Morals, &c. ...	3,869	2,053	2,441	1,056	823	588	1,181	1,331	1,24
Natural Philosophy	5,378	2,038	2,105	1,852	1,733	797	1,845	1,896	1,75
Natural History.....	4,551	2,964	2,232	2,191	1,188	862	1,903	2,820	2,05
Fine and Industrial Arts	24,069	8,432	11,010	10,088	6,722	3,524	6,557	8,564	10,04
History and Biography...	8,050	6,033	4,732	5,430	2,223	2,066	4,105	8,428	4,19
Topography, Antiquities	3,746	822	1,313	868	1,915	660	907	925	82
Voyages and Travels	5,509	3,127	4,057	2,805	1,898	1,918	3,073	4,610	3,27
Miscellaneous Literature	4,740	7,694	9,291	8,605	3,755	1,100	5,789	2,127	4,32
Jurisprudence, Law, &c.	802	205	414	201	127	109	402	265	24
Commerce, &c.	4,219	1,780	1,503	1,411	1,098	540	1,004	1,313	1,17
Education, Language.	2,401	755	1,073	745	763	537	982	1,599	1,02
Foreign Literature	322	26	104	14	33	65	24	48	4
Poetry and the Drama ...	2,354	1,048	1,221	1,462	675	573	1,038	1,409	1,13
Prose Fiction	173,154	120,780	149,207	145,199	91,847	67,392	96,146	135,326	130,48
Latin and Greek Classics	589	346	335	217	—	—	419	327	36
Books for the Blind	2,113	17	56	15	—	2	—	—	—
Totals	245,866	158,120	191,124	182,159	114,800	80,733	125,375	170,988	162.1

* Of this total 34,018 were volumes of Music.

VI.

ssued, including Juvenile Literature.

	Reading Rooms.										Total Issues
otal ome ding.	Everton Branch.	Toxteth Branch.	Kensington Branch.	Walton Branch.	Wavertree Branch.	Kirkdale Branch.	Andrew Carnegie Branch.	Rawdon Reading Room.	Dryden St Reading Room.	Total Reading Rooms.	
,582	3,976	11,442	4,382	275	2,074	1,614	1,811	653	119	**26,346**	**40,928**
,397	4,301	10,855	3,945	299	4,204	1,637	3,350	480	114	**29,185**	**48,582**
,765	6,023	6,057	5,064	304	1,526	2,776	2,945	623	142	**25,460**	**46,225**
,045	15,522	25,229	9,743	1,112	5,212	10,641	9,990	1,155	298	**78,902**	***167,947**
,261	13,444	22,706	9,186	889	4,807	14,038	9,539	3,249	422	**78,280**	**123,541**
,983	10,157	11,469	5,515	1,874	2,174	1,551	1,813	1,052	152	**35,757**	**47,740**
,274	11,531	20,946	4,326	969	6,563	12,249	9,884	4,581	538	**71,587**	**101,861**
,423	17,634	63,783	23,307	3,934	39,637	21,564	14,782	16,304	98	**200,043**	**247,466**
,773	4,216	3,358	1,849	144	1,594	2,971	3,421	474	147	**18,174**	**20,947**
038	4,969	3,592	4,462	689	1,726	1,386	7,057	1,664	113	**25,658**	**39,696**
875	3,227	7,963	6,872	1,179	6,598	7,921	9,302	4,509	78	**47,649**	**57,524**
682	—	—	40	—	—	—	5	—	—	**45**	**†727**
918	892	8,765	2,654	92	525	1,617	2,025	2,231	132	**18,933**	**29,851**
1,540	29,867	28,091	43,117	5,175	4,702	32,124	12,729	18,320	2,073	**176,198**	**1,285,738**
597	193	1,388	192	—	1,034	143	488	358	—	**3,796**	**6,393**
203	—	—	—	—	—	—	—	—	—	—	**2,203**
1,356	125,952	225,644	124,654	16,935	82,376	112,232	89,141	55,653	4,426	**837,013**	**2,268,369**

† For 4 months only—September to December.

TABLE

Shewing the classification of

Classification.	Lending Departments.						
	Everton Branch.	Toxteth Branch.	Kensington Branch.	Wavertree Branch.	Kirkdale Branch.	Andrew Carnegie Branch.	Total for Home Reading
Religion	291	126	50	50	300	41	858
Natural Science	247	83	71	247	286	50	984
Natural History	1,662	466	841	494	1,568	392	5,423
Arts, Handicrafts, Amusements	998	1,005	1,307	736	2,695	1,124	7,865
History and Biography	2,425	541	1,751	860	5,632	854	12,063
Voyages and Travels	966	700	939	716	2,740	910	6,971
Miscellaneous Literature	320	793	1,651	1,235	1,305	537	5,841
Poetry	298	129	419	130	538	182	1,696
Tales and Stories	30,785	32,771	30,797	15,475	59,300	19,247	188,375
Totals	37,992	36,614	37,826	19,943	74,364	23,337	230,076

VII.

volumes issued to Juveniles.

Reading Rooms.							Total Issues
Everton Branch.	Toxteth Branch.	Kensington Branch	Wavertree Branch.	Kirkdale Branch.	Andrew Carnegie Branch.	Total for Reading Rooms.	
123	121	443	195	441	76	**1,399**	**2,257**
36	124	765	100	242	52	**1,319**	**2,303**
1,240	388	2,360	851	1,240	307	**6,386**	**11,809**
709	441	1,775	1,654	1,023	930	**6,532**	**14,397**
2,089	537	1,385	1,872	2,539	835	**9,257**	**21,320**
1,586	467	825	1,505	810	1,105	**6,298**	**13,269**
1,312	14,880	4,110	3,819	12,385	4,506	**44,012**	**49,853**
485	102	893	199	694	157	**2,530**	**4,226**
16,756	10,101	18,623	2,037	15,003	9,501	**72,021**	**260,396**
27,336	27,161	31,179	12,232	34,377	17,469	**149,754**	**379,830**

TABLE VIII.—Shewing classification of Borrowers.

Occupation.	Central.	Everton Branch.	Toxteth Branch.	Kensington Branch.	Walton Branch.	Sefton Park Branch.	Wavertree Branch.	Kirkdale Branch	Andrew Carnegie Branch.	Total
Architects and Builders	49	3	16	11	11	3	17	1	7	118
Artists and Draughtsmen	60	15	33	18	9	8	16	4	9	172
Bakers, Butchers, and Grocers	57	49	83	91	33	32	49	37	34	465
Boilermakers and Riveters	31	6	11	15	9	1	6	11	4	94
Bookbinders and Printers	57	39	18	61	19	10	—	25	8	237
Bookkeepers and Clerks	1,469	298	437	548	424	224	440	280	531	4,651
Boot and Shoe Makers	47	5	9	12	8	4	12	5	4	106
Box Makers	36	9	2	5	1	—	—	5	4	62
Brass, Iron, &c., Founders	120	1	13	23	6	2	8	15	2	190
Bricklayers and Slaters	47	18	4	20	12	2	23	9	3	138
Cabinet Makers	206	3	16	33	4	1	14	6	5	288
Carpenters and Joiners	53	26	36	61	37	13	59	27	28	340
Chemists and Druggists	69	5	21	34	11	7	23	5	12	187
Clergymen and Doctors, &c.	37	9	16	13	7	7	27	14	29	159
Coach Painters and Builders	49	3	16	22	4	—	2	2	6	104
Cooks and Waiters	41	20	23	20	13	3	14	11	9	154
Customs' Officers, Police, &c.	168	65	84	92	34	52	38	40	78	651
Domestic Servants	46	9	35	23	8	25	18	9	27	200
Dressmakers and Milliners	106	48	42	66	37	22	29	39	28	417
Engineers, and Machinists	163	77	84	81	75	29	47	81	75	712
Farmers and Gardeners	86	1	6	7	3	6	24	1	4	138
Firemen	39	5	9	2	8	—	8	7	3	81
Hairdressers	54	10	5	9	7	—	9	10	4	108
Ironmongers	51	—	2	6	5	2	6	—	4	76
Labourers	141	111	86	49	29	3	31	71	2	523
Licensed Victuallers, &c.	66	4	8	15	5	—	13	6	5	122
Mariners	75	7	18	16	8	7	8	12	11	162
Merchants and Brokers	91	7	12	17	15	2	19	9	47	219
Messengers and Office Boys	169	121	76	106	60	29	101	162	59	883
Music Teachers	146	11	7	13	9	3	15	1	8	213
Musicians	88	9	8	30	4	4	14	4	11	172
Nurses	27	1	27	12	15	8	6	7	27	130
Painters and Plumbers	73	56	37	54	23	7	37	18	25	330
Pattern Makers and Turners	69	16	14	17	10	5	6	9	5	151
Pawnbrokers	58	9	8	12	3	—	11	10	3	114
Schoolmasters and Teachers	129	199	166	212	148	131	131	146	265	1,527
Shipwrights and Riggers	131	12	14	7	8	108	—	11	1	292
Smiths	49	17	11	17	7	3	7	9	2	122
Students and Scholars	187	1,635	1,275	1,490	527	84	341	2,366	1,097	9,002
Tailors and Drapers	176	26	20	62	5	3	13	17	21	343
Telegraphists and Typists	107	30	47	57	43	23	33	23	48	411
Tobacconists	77	5	6	17	1	—	5	4	3	118
Warehousemen and Storekeepers	145	44	21	83	16	6	9	25	15	364
Watchmakers and Opticians	129	3	10	7	3	3	10	2	1	168
Miscellaneous	566	261	44	103	188	83	286	205	214	1,950
No occupation (principally females)	517	900	2,417	1,388	1,047	1,008	1,624	906	1,637	11,444
Student Ticket Holders	1,205	298	375	308	285	285	341	281	491	3,869
Totals...	7,562	4,506	5,728	5,365	3,244	2,258	3,950	4,948	4,916	42,477

TABLE IX.—EVENING READING ROOMS.

	1908.		1907.	
	Attendance.	Average per Night.	Attendance.	Average per Night.
Chatsworth Street Council Schools.....302 Days	25,735	85	25,113	82
Stanley Road Council Schools .....304 ,,	51,558	169	53,867	179
Dryden Street.....304 ,,	22,865	75	3,145	53
	100,158	329	82,125	314

FREE LECTURES.

During the year 181 Free Lectures were delivered, the total attendance being 97,334. Nineteen of the Lectures were specially for children. 30 Lectures were given in the Picton Lecture Hall, the remainder in the following 20 district halls, viz.:—

(1) Scotland Road (St. Martin's Hall); (2) Commercial Road (Crosby Home Mission Hall); (3) Kirkdale (Branch Library, Brock Street); (4) Walton (Wesleyan Hall, Harlech Street); (5) Aintree (Aintree Institute, Longmoor Lane); (6) Everton (Branch Library); (7) Netherfield (St. Ambrose Mission Hall, Prince Edwin Street); (8) Breck Road, Anfield (Rawdon Reading Room); (9) West Derby (Corporation Baths, Lister Drive); (10) Knotty Ash (Village Hall, Prescot Road, Knotty Ash); (11) Kensington (Branch Library); (12) Wavertree (Town Hall); (13) Sefton Park (Gregson Institute, Garmoyle Road); (14) Edge Hill (St. Catherine's Mission Hall); (15) Edge Hill (Balfour Institute, Smithdown Road); (16) Granby Hall, Granby Street; (17) Garston (Corporation Baths); (18) Aigburth Vale (Girls' Secondary School); (19) St. Michael's, (St. Michael's Church Room, Belgrave Road); (20) Toxteth (David Lewis Club, Great George Place).

LECTURERS AND SUBJECTS.

(Excepting where otherwise stated, the Lectures were illustrated by Lantern Views).

Lecturer.	Subjects.	Halls.
Abbot, Rev. W. H., M.A. ...	"Cannibals and Head-hunters: personal experiences in the Pacific Islands."	Picton Lecture Hall.—Garston.—Kensington.—West Derby.
Archer, Major R. Sinclair, V.D.	"From the Mersey to the Bristol Channel."	West Derby.
,, ,,	"The Handy-man; or life in His Majesty's Navy."	Crosby Home Mission Hall.—Granby Hall.—Walton.
Bacon, Miss Gertrude	"Balloons, Airships and Flying Machines."	Picton Lecture Hall.—Balfour Inst.—Gregson Inst.—Kirkdale.
Beer, Adolph W.	"Malvern Chase and Sherwood Forest."	Gregson Inst.
,, ,, ...	"Moated Halls and Historic Manor Houses."	Garston.

Lecturer.	Subjects.	Halls.
Bellingham, Edgar	"Spain, past and present."	Picton Lecture Hall.—Knotty Ash.
Beynon, Richard	"The evolution of the Merchant Steam-ship."	Garston.
,, ,, ...	"The Port of Liverpool from the earliest times to the present."	Crosby Home Mission Hall.
Brodrick, Harold, M.A.	"British caves and Cave Exploration."	St. Michael's.
Bullen, Frank T., F.R.G.S. ...	"The Men of the Merchant Service."	Crosby Home Mission Hall.—Garston.
,, ,, ...	"The Mighty Ocean."	Picton Lecture Hall.—Kensington Library.
Cairns, W. Murray, M.P. ...	"Japan, our ally in the Far East: the evolution of a nation."	Picton Lecture Hall.
,, ,, ...	"The life of the Chinese and Japanese."	St. Michael's.
Clarke, Samuel.....	"Famous songs of the British Isles"; with musical illustrations.	Aintree. — Crosby Home Mission Hall.
,, ,, ...	"The national anthems of Europe"; with musical illustrations.	David Lewis Club.
Coop, Rev. J. O., M.A.	"Arthur, Duke of Wellington, soldier and statesman."	Wavertree.
Cowell, Peter, F.R.H.S., Chief Librarian.	"Rome, the Eternal City."	St. Martin's Hall.
Crowther, Henry, F.R.M.S. ...	"How the earth tells the story of how it was made."	Picton Lecture Hall.—David Lewis Club.
De Wolf, Rev. R. B., M.A. ...	"The land of the Southern Cross; or, glimpses of Australia and New Zealand."	Aintree Institute.—David Lewis Club.
,, ,,	"Through Canada to the Rocky Mountains."	Rawdon Reading Room
,, ,,	"The western fjords of Norway."	Everton.

Lecturer.	Subjects.	Halls.
Dibdin, E. Rimbault, Curator, Walker Art Gallery.	"Black and white art."	Picton Lecture Hall.—Garston.
Edwards, E. W.	"Ceylon and its people."	Garston.
Ellis, John W., M.B., F.E.S.	"The River Mersey from the moors to the sea."	Picton Lecture Hall.—Gregson Inst.—Rawdon Reading Room.—Aigburth Vale.
Ellis, Somers H., M.INST.C.E.	"Eastern China; the experiences of an English resident."	Rawdon Reading Room.
Fortay, J. Butler.....	"English music during the past seventy years"; with musical illustrations.	Crosby Home Mission Hall.—Knotty Ash.—St. Ambrose Mission Hall.
,, ,, ...	"Verdi, musician and patriot"; with musical illustrations.	Aintree.
Fox, Francis, M.INST.C.E. ...	"Some great engineering enterprises in Africa (the Cape to Cairo Railway) and elsewhere."	Picton Lecture Hall.
Friend, Miss	"A summer holiday in Basutoland."	Picton Lecture Hall.—Gregson Inst.—Kensington.—West Derby.
Gasking, Rev. Samuel, B.A., F.L.S., F.G.S.	"Delightful Donegal."	Aintree.—Balfour Inst.—St Ambrose Mission Hall.
Green, C. Theodore, M.R.C.S., L.R.C.P., F.L.S.	"Nature study with the camera."	Rawdon Reading Room.
Grensted, Rev. Canon, F. F., M.A.	"Life in Ancient Assyria and Babylonia."	Rawdon Reading Room.
,, ,,	"The shapes of water and other liquids."	Kirkdale Branch Library.
Hamilton, Rev. James, M.A.	"Oliver Cromwell and his times."	Aintree.
,, ,,	"Queen Elizabeth and her times"	St. Catherine's Mission Hall.
Harris, Rev. Charles, M.A., F.R.G.S.	"Our English Cathedrals."	Granby Hall.
Harvey, William	"Some places of interest in Shropshire."	St. Ambrose Mission Hall.

Lecturer.	Subjects.	Halls.
Herdman, Prof. W. A., D.SC. F.R.S., Liverpool University.	"The natives of the Ceylon pearl banks."	Picton Lecture Hall.
Hill, Councillor Charles A., M.A., B.D., B.C.	"A climber's holiday in Norway."	Wavertree.
Hirsch, Mrs. Louise	"A settler's life in Australia."	Everton. — Kensington. — Kirkdale.
Holland, C. Thurstan, M.R.C.S., F.R.P.S.	"The ice and snow scenery of Switzerland."	Picton Lecture Hall.
,, ,,	"Switzerland: the country, people, and mountain scenery."	St. Michael's.—Walton.
Howdill, Charles B., A.R.I.B.A.	"On the fringe of the Austrian Alps."	Aigburth Vale. — David Lewis Club.—Walton.
,, ,,	"Servia and its people."	Picton Lecture Hall.—St. Catherine's Mission Hall. —Granby Hall.—West Derby.
Hughes, C. Alston, M.B.	"The world's greatest empires."	Gregson Inst.
Hunterberg, Max.....	"Life in Russia."	St. Ambrose Mission Hall.
,, ,, ...	"Russia and the Russian people."	Crosby Home Mission Hall. —St. Michael's.
James, Miss Ethel B.	"Shakespeare's 'As you like it' described"; illustrated with recitals.	Aintree.—Walton.
Jones, Lewis	"Twenty years on Hilbre Island."	David Lewis Club.—Walton.—West Derby.
Kennedy, Howard A.	"America before the white man came."	Picton Lecture Hall.—Wavertree.
,, ,, ...	"Taming the wild North-West (Canada)."	Kirkdale.—St. Martin's Hall.—St. Michael's.
Kennedy, John	"The Indian Mutiny."	David Lewis Club.
Lambert, Frederick, F.R.G.S.	"On a tramp steamer in Adriatic and Sicilian waters."	Picton Lecture Hall.—Kirkdale.—St. Martin's Hall.—Wavertree.
Leslie, Councillor Frank J., F.R.G.S.	"Liverpool's Seven Hundredth Anniversary and its lessons."	Picton Lecture Hall.—Kensington.

Lecturer.	Subjects.	Halls.
Leslie, Councillor Frank J., F.R.G.S.	"The Tower of London: its story and its mysteries."	Knotty Ash.
Lund, Rev. T. W. M., M.A.	"The Italian lakes: their scenery, art, and archæology."	Gregson Institute.—St. Catherine's Mission Hall.
,, ,,	"Switzerland from within."	Rawdon Reading Room.
McCullagh, Rev. H. H., B.A.	"Beethoven and his music"; with musical illustrations.	David Lewis Club.
,, ,,	"Music in the Poets"; with musical illustrations.	Picton Lecture Hall.
McCullagh, Herbert	"The evolution of the string quartet"; with musical illustrations.	Picton Lecture Hall.—St. Michael's.—West Derby.
McPherson, Rev. D. P., B.D.	"America: the country and the people."	Crosby Home Mission Hall.
Morgan, Llewellyn, M.D.....	"From Cornwall to Canterbury: a modern pilgrimage."	Aigburth Vale.
,, ,, ...	"Through East Anglia with a camera."	Granby Hall.
Nevins, J. Ernest, M.B.	"Life in an Indian village."	Rawdon Reading Room.
Newett, Rev. W. H.	"Morocco as it is."	Walton.
Northcote, Henry F.	"From Nebula to man: an account of the evolution of the world."	Picton Lecture Hall.
,, ,, ...	"The wonders of plant life."	St. Michael's.
O'Mahony, Michael	"Irish humour"; illustrated with readings and songs.	St. Martin's Hall.
,, ,,	"The songs of Alfred Percival Graves"; with musical illustrations.	Picton Lecture Hall.
Pendleton, Basil	"Ancient abbeys and their legends."	St. Catherine's Mission Hall.
Perkins, Rev. Jocelyn, M.A., F.R.H.S.	"A ramble among the Cinque Ports."	Picton Lecture Hall.—Kensington.—Kirkdale.—Wavertree.

Lecturer.	Subjects.	Halls.
Roberts, Miss Edith	"Welsh music and song"; with musical illustrations.	Everton Branch Library.—Gregson Inst.
Rosher, Charles, C.E., F.R.G.S.	"Morocco unbound: personal experiences of the country and the people."	Picton Lecture Hall.—Crosby Home Mission Hall.—St. Martin's Hall.—Wavertree.
Sanders, Rev. F., M.A., F.S.A.	"Roman remains in S.-E. France."	Picton Lecture Hall.
Saxby, Fred. W.	"The wonders of light"; with demonstrations.	Picton Lecture Hall.—Wavertree.—West Derby
Scotter, R. H., C.E.	"The seven wonders of the ancient world compared with modern engineering works and buildings."	Picton Lecture Hall.
,, ,, ...	"The world on wheels: an account of the means of locomotion in all ages."	Picton Lecture Hall.
Summers, Frederick	"Iceland: the country, people, customs, &c."	St. Martin's Hall.
Thompson, George E.....	"The Austrian lake-land."	Picton Lecture Hall.—Walton.
,, ,, ...	"The Gorges of the River Ardèche, S.-E. France."	Aintree.
,, ,, ...	"Six hundred miles up the Nile."	Garston.
Tonge, James, M.INST.M.E., F.G.S.	"Coal mining and miners."	Balfour Inst.—Knotty Ash.
Walshe, Rev. T. J.	"With Ruskin in France and Italy."	St. Martin's Hall.
Ward, J. J.	"Britain's quaintest insects and why they are quaint."	Picton Lecture Hall.—Everton.—Kensington.——Rawdon Reading Room.
Wells, Samuel, F.R.G.S., F.R.A.I.	"Portugal and its people."	Picton Lecture Hall.—Aigburth Vale.—Kensington.—St. Martin's Hall.
Whitaker, Trevor	"With a camera in North Wales and Shropshire."	Aintree.

Lecturer.	Subjects.	Halls.
Woods, W. Smith	"Music good and bad"; with musical illustrations.	Picton Lecture Hall.—Kirkdale.—Wavertree.
Workman, Albert E.	"Music, ancient, mediæval and modern"; with musical illustrations.	Walton.—Gregson Inst.
Wright, Rev. Cecil H.	"Barbados, the little England of the West Indies."	Balfour Inst.—Kirkdale.—West Derby.
Yardley, Walker R., L.C.P.	"The life and times of Shakespeare."	St. Michael's.
,, ,,	"Nelson and his daring deeds."	Garston.
Young, Harold E.	"A wayfarer in rural Japan."	David Lewis Club.

LECTURES TO CHILDREN.

Cairns, W. Murray, M.B. ...	"The little folk of China and Japan at their work and at their play."	St. Ambrose Mission Hall.—Walton.—West Derby.
,, ,,	"Little pigtails and small kimonos"; or the "Happy New Year" in China and Japan.	Kensington.—Wavertree.
Coop, Rev. J. O., M.A.	"Cavalier and Roundhead: the story of the Civil war."	Kensington.
,, ,, ...	"The great Duke of Wellington and his victories."	Rawdon Reading Room.
Crowther, Henry, F.R.M.S. ...	"Hero tales of ancient Greece."	Aintree.—West Derby.
Grensted, Rev. Canon F. F., M.A.	"The lost Empires of the East; or Assyria, Babylon, and Egypt as they were in the days of their greatness."	Everton.
Hamilton, Rev. James, M.A.	"Bonnie Prince Charlie."	St. Martin's Hall.
Harris, Rev. Charles, M.A. ...	"Stories about plants and flowers."	Wavertree.—Gregson Inst.

Lecturer.	Subjects.	Halls.
Harris, Rev. Charles, M.A....	"Stories about the Vikings."	Garston.—Kirkdale.
Leslie, Councillor Frank J., F.R.G.S.	"The story of Liverpool from the time of King John."	Granby Hall.—Rawdon Reading Room.
Scotter, R. H., C.E.	"The seven wonders of the ancient world compared with the wonderful achievements of modern engineers and builders."	Garston.
Yardley, Walker R., L.C.P.	"Nelson and his daring deeds."	St. Martin's Hall.

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Minutes of the American Chamber of Commerce of Liverpool, 4 vols. (MS.).

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Record of the celebration of the 200th anniversary of the birth of Benjamin Franklin, Philadelphia, 1906, vols. 2-6.

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Expedition Antarctique Belge. Resultats du voyage du S.Y. Belgica, 1897-1899. Rapports Scientifiques.

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Santa Lucia: a monthly magazine in Braille type, 1908.

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Annotations upon the Holy Bible, by John Diodati, London, 1651.

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Gratianus. Canons of the Church. *Begins*—In nomine sancte et individue trinitatis incipit concordia discordantium canonum. *Ends*—Divinus is ac insignis decretorum codex. Printed by Anthony Koberger, Nuremberg, 1483. fo. (Gothic letter, rubricated.)

Graduale Romanum de tempore et sanctis ad ritum missalis, ex decreto sacrosancti Concilii Tridentini restituti. Venetiis. 1674. fo.

Eleazar Roberts, Esq., J.P.:—

Analogy of religion natural and revealed to the constitution and course of nature, by Joseph Butler, 1736.

Royal Society of London:—

National Antarctic Expedition, 1901-1904, Physical Observations, part 2; Album of photographs and sketches with a portfolio of panoramic views; Philosophical Transactions, Serie A: Vol. 207; Serie B: Vol. 199; Proceedings, Serie A: 542-544; Serie B: 536-543; Reports on Sleeping Sickness Commission, Nos. 7-9; Year Book, 1908.

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Essays after the cartoons of Raphael at Windsor, drawn by I. Ruyssen.

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Report of the Bureau of American Ethnology, 1904-5; Report of the United States National Museum, 1906-7; and 16 other reports, bulletins, &c.

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Sancti Thome de Aquino scripta ad Hanibaldum episcopum super quattuor libros sententiarum. fo. Printed by Nicolas Kessler, Basle, 1492.

Leone Abravenel. Dialoghi di amore, composti per Leone Medico Hebreo Casa de' figliuoli di Aldo, Vinegia, 1552.

In epistolas M. Tullii Ciceronis ad M. Junium Brutum et ad Q. Ciceronem fratrem. Pauli Manutii commentarius. Venice (Aldine Press), 1562.

Luciani opuscula Erasmo Roterodamo interprete. Impressum Florentiæ per hæredes Philippi Juntæ, 1519.

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Council of Law Reporting for England and Wales; Incorporated Free and Open Church Association; Incorporated Society of Musicians; Independent Order of Good Templars, Grand Lodge of Scotland; Secretary of State for India in Council; Institute of Chemistry of Great Britain and Ireland; International Association of Chiefs of Police; International Congress on School Hygiene; International Federation of Master Cotton Spinners' and Manufacturers' Association; International Polar Commission, Brussels; National Library of Ireland; Royal University of Ireland; Isle of Man Official Board of Advertising; Mrs. Charles P. Ives; J. Wilfred Jackson; College of Medicine, Imperial University, Tokyo, Japan; College of Science, Imperial University, Tokyo, Japan; Japanese Consulate, London (Minoji Arakawa); Royal University of Japan; Japanese Financial Commission; Miss O. Japp; Jarrold and Company; Johns Hopkins University, Baltimore, U.S.A.; Margaret L. Jones; Percy Ramsey Kent; Keswick Urban District Council; A. Lamb; Lancashire and Cheshire Entomological Society; Union of Lancashire and Cheshire Institutes; Lancashire and Yorkshire Railway Company; Lancashire Sea Fisheries Laboratory; Medical Officer of Health for the County Palatine of Lancaster (Edward Sergeant, M.D., M.R.C.P.); Old Lancaster Historical Exhibition Committee; Charles and Edwin Layton; Old Leeds Exhibition Committee; Nicholson Institute, Leek; Leigh Browne Endowment; Eduardo Lembeke; John F. Le Page; Joseph Lewin; Lloyd's Publishing Company, Limited; London and North Western Railway Company; City and Guilds of London Institute, Department of Technology; London College of Divinity; London College of Music; London Directory Company; London and Provincial Anti-Vivisection Society; London Society for Promoting Christianity among the Jews; Metropolitan Asylums Board, London; Lord's Day Observance Society; Louisiana State Board of Agriculture and Immigration; Lowell Observatory, Arizona; William Macdonald and Company; Macmillan and Company; Manchester Geological and Mining Society; Manchester Microscopical Society; Manchester Museum, Owens College; Manchester Statistical Society; Ancient and Honourable Artillery Company of Massachusetts, U.S.A.; Institute of Mechanical Engineers; Mercantile Marine Service Association; Merchant Venturers' Technical College, Bristol; Mersey Conservancy (Admiral Sir G. S. Nares); Meteorological Council, London; Midland Railway Company; Milwaukee Public Museum, U.S.A.; T. Moody and Company; R. G. Morrison; National Boiler and General Insurance Company; National Society for the Prevention of Cruelty to Children; National Union of Teachers; New Palaeographical Society; Agent-General for New South Wales, London (Henry Copeland); State Board of Charities, Albany, New York, U.S.A.; New York State Conference of Charities and Corrections, U.S.A.; New York State Department of Education, U.S.A.; New York State Hospital for Crippled and Deformed Children, U.S.A.; Agent-General for New Zealand, London (W. P. Reeves); Registrar-General for New Zealand; Armstrong College, Newcastle-upon-Tyne; Henry Nicholls; Northern School of Art Needlework, Manchester; North British Railway Company; North Eastern Railway Company; Corporation of the City of Norwich; Nova Scotia Government Agency, London; Nova

Scotia Secretary of Industries and Immigration; Novello and Company; Delegates of the Local Examinations, University of Oxford; Oxford University Press; Government of Para; Commission du Vieux Paris, Ville de Paris; J. A. Parkington; Comptroller of Patents, London; J. and J. Paton; John B. Peaslee, A.B., LL.B., PH.D.; Peck's Circular Publishing Company; University of Pennsylvania, U.S.A.; Walter Perry and Company; Home for the Training in Speech of Deaf Children, Philadelphia, U.S.A.; Bureau of Science, Manila, Philippine Islands; Phillipson and Golder; Lieutenant-Colonel John Pilkington, F.S.A.; Sir Isaac Pitman and Sons; Carnegie Institution, Pittsburgh Pa., U.S.A.; Thomas Potter; Edwin A. Pratt; College of Preceptors, London; H. S. Pritchett; Queen's College, London; Agent-General for Queensland, London (Sir Horace Tozer, K.C.M.G.); Ragged School Union, London; T. Mellard Reade, C.E., F.G.S., F.R.I.B.A.; Religious Tract Society; Research Defence Society; E. Grant Richards; E. Roberts; George Rose; Royal Astronomical Society; Royal College of Physicians of London; Royal College of Surgeons of England; Royal Colonial Institute, London; Royal Cornwall Polytechnic Society; Royal Dublin Society; Royal Institute of British Architects; Royal Insurance Company; Royal National Lifeboat Institution; Royal Observatory, Greenwich; Royal Society of Canada; Royal Society of London; Royal Society of Victoria; Rushworth and Dreaper; St. John Ambulance Association; Grand Priory of the Order of the Hospital of St. John of Jerusalem; St. Louis Merchants' Exchange, U.S.A.; St. Mary's Hospital Medical School, London; Sanitary Publishing Company; John Holt Schooling; J. Edward Sears, F.R.I.B.A., M.P.; Sell's Advertising Agency; Sherratt and Hughes; Shropshire County Council; Simkin, Marshall and Company; William Simpson; T. J. Smith; Society for the Propagation of the Gospel in Foreign Parts; Society of Antiquaries of London; Society of Antiquaries of Scotland; Society of Incorporated Accountants and Auditors; E. J. B. Sopp, F.R.M.S., F.E.S.; South American Missionary Society; South Eastern and Chatham Railway Company; J. Herbert Stammers; Stevens and Sons; J. Carlton Stitt, J.P.; Stonyhurst College Observatory; Stubbs Publishing Company; Urban District Council, Surbiton; Sydney University; Tariff Reform League, London; Agent-General for Tasmania, London (Alfred Dobson); Town Council, Taunton; University of Texas; Alexander Thom and Company; James Thompson; C. Tinling and Company; William H. Tompkinson; Tonic Sol-fa College, London; Trade Directories, Limited; Trinity College of Music, London; George Tutill; Union-Castle Mail Steamship Company; Unionist Free Trade Club; United States Naval Observatory; Universal Cookery and Food Association; University College of North Wales, Bangor; University College of South Wales and Monmouthshire, Cardiff; University College of Wales, Aberystwyth; University Correspondence College, London; University of Wales, Cardiff; Republic of Uruguay; Vancouver Board of Trade; Julius de Vargha; J. W. Vickers and Company; Agent-General for Victoria, London (Alfred Dobson); Victoria Institute; Walney Bridge Committee, Barrow-in-Furness; Warrington Museum; R. Cook-Watson; Agent-General for Western Australia, London (Henry B. Lefroy, C.M.G.); West of Scotland Agricultural

College; J. Whitaker and Sons; Charles Williams, L.R.C.P., L.R.C.S.; Rev. W. J. Wingate; Wirral Railway Company; Wisconsin Geological and Natural History Survey, U.S.A.; Wisconsin Natural History Society, Manitoba, U.S.A.; W. Woffenden; J. H. Yoxall, M.A., M.P.; Zoological Society of London. Reports, &c., have been received from the following LIBRARIES:—Aberdeen: Acton; Adelaide, South Australia; Ashton-in-Makerfield; Ashton-under-Lyne; Aston Manor, Birmingham; Enoch Pratt, Baltimore, U.S.A.; Peabody Institute, Baltimore, U.S.A.; Barrow-in-Furness; Battersea; Belfast; Royal Library, Berlin; Beverley; Birmingham; Blackburn; Bodleian Library, Oxford; Bolton; Bootle; Boston, U.S.A.; Bradford; Brighton; Bristol; Brookline, Mass, U.S.A.,; Municipal Library, Budapest; Fletcher, Burlington, Vt., U.S.A.; Bury; Cambridge Free Public Library; Cambridge University Library; Cardiff; Chelsea; John Crerar, Chicago, U.S.A.; Municipal Library, Chicago, U.S.A.; Cincinnati, U.S.A.; Cleveland; Royal Library, Copenhagen, Denmark; Derby; Dundee; Eccles; Edinburgh; Gloucester; Hammersmith; Harvard University, Cambridge, Mass, U.S.A.; Hereford; Hornsey; Hove; Illinois State Historical Library; Ipswich; Johannesburg, South Africa; Kettering; Kidderminster; Kimberley, South Africa; King's Norton and Northfield; Leeds; Leigh; Leicester; Lincoln; Liverpool (Lyceum Library; Los Angelos, California; Manchester Free Public Libraries; John Rylands, Manchester; Massachusetts Free Public Library Commission, U.S.A.; Grand Rapids, Michigan, U.S.A.; Middlesborough; Milwaukee, U.S.A.; Montrose; Nelson; New South Wales (Sydney); New York Mercantile; New York Public; Newcastle-under-Lyme; Newcastle-upon-Tyne; Newton, Mass.; Norwich; Nottingham; Osaka, Japan; Paisley; Paterson, N.J.; Peoria, Ill.; Friends', Germantown, Philadelphia; Public Library, Philadelphia, U.S.A.; Plymouth; Portsmouth; Preston; Providence, Rhode Island, U.S.A.; Richmond; National Library, Rio de Janeiro; Rochdale; Runcorn; St. Annes-on-the-Sea; St. Helens; St. Louis Public Library; St. Louis Mercantile Association U.S.A.; Salem, Mass., U.S.A.; Salford; Shoreditch; South Shields; Southwark; Stirlings and Glasgow; Stoke Newington; Torquay; Tottenham; Imperial Library, Tokyo, Japan; Toronto, Canada; Trenton; Tynemouth; Victoria, Western Australia; Walthamstow; Wandsworth; Warrington; Library of Congress, Washington, U.S.A.; Waterloo-with-Seaforth; West Bromwich; West Hartlepool; Westminster; Willesden Green; Widnes; Wigan; Windsor; Canada, Wolverhampton; Worcester; Worcester, Mass.; York; Reports have been received from the following LIVERPOOL Institutions and Societies:—Academy of Arts; Amateur Photographic Association; Architectural Society; Artists' Club; Auxiliary Bible Society; Father Berry's Home; British Order of Ancient Free Gardeners' Friendly Society (Mersey District); Blue Coat Hospital; Catholic Young Men's Society; Central Relief and Charity Organisation; Chemists' Association; Children's Country Holiday Fund; Church of England Scripture Readers' Society; Clerks' Association; Constitutional Association; David Lewis Northern Hospital; Day Industrial Schools Clothing Guild; Deaf and Dumb School; Dental Hospital; Diocesan Sunday School Institute;

District Provident Society; Food and Betterment Association; Proprietors, Empire Theatre; Society of Friends of Foreigners in Distress; Geographical Society; Geological Association; Hahnemann Hospital; Hospital Saturday and Sunday Fund; Incorporated Chamber of Commerce; Incorporated Law Society of Liverpool; Infirmary for Children; Insurance Institute; Liverpool and Vicinity United Trades and Labour Union; Liverpool Dispensaries; Liverpool Institute; Liverpool Observatory, Bidston; The Lessee, Lyric Theatre; Marine Biology Committee; Medical Institute; Mersey Mission to Seamen; Microscopical Society; Municipal Officers' Guild; Naturalists' Field Club; Proprietors, Olympia; Female Orphan Asylum; Asylum for Orphan Boys; Peace Society; Penny Savings Bank Association; Police Establishment; Watch Committee; Proprietors, Queen's Theatre; Religious and Philanthropic Institutions; Robert Arthur Theatre Company, Limited; Royal Court Theatre; Proprietors, Rotunda Theatre; Royal Infirmary; Royal National Lifeboat Institution; Royal Society for the Prevention of Cruelty to Animals; Ruskin Society; Savings Bank; Science Students' Association; Seamen's Orphan Institution; The Lessee, Shakespeare Theatre; Shipwreck and Humane Society; Training School of Cookery and Technical College of Domestic Science; Training Ship "Indefatigable"; United Gas Light Company; University Extension Society; Workshops for Outdoor Blind; Liverpool University.

The following Periodicals, Newspapers, &c., and others, have been regularly presented:—

Accountant
American Museum Journal
Australian Official Journal of Patents
Board of Trade Journal
British Architect
Building Trade
Canadian Patent Office Record
Clerk of Works' Association Journal
Commercial Motor
Daily Dispatch
Decorator
Decorators' and Painters' Magazine
Domestic Engineering
Educational Times
Electrician
Englishwoman's Review
Esmeduna
Estates Gazette
Gaelic Journal
Gregg Writer
Guild Gazette
Gwalia
Hereford Times
Homœopathic World
Horological Journal
Incorporated Accountants' Journal
Incorporated Society of Musicians, Journal of
Investors' Guardian
Irish Times
Justice
Labour Gazette
Liberty Review
Life-boat
Littlebury's Liverpool Railway Guide
Liverpool Catholic Times
Liverpool Courier (daily and weekly)
Liverpool Diocesan Gazette
Liverpool Echo
Liverpool Express
Liverpool Incorporated Chamber of Commerce Journal
Liverpool Institute Schools Magazine
Liverpool Journal of Commerce
Liverpool Mercury (daily and weekly)
Liverpool Porcupine
Liverpool Post (daily and weekly)
Liverpool Y.M.C.A. Journal
Local Government Chronicle
Local Government Officer
Locomotive Journal
Mariner
Master Builders' Association Journal
Midland News
Milling
Mona's Herald
Motor
Motor Boat
Motor Cycle
Motor Traction

Musical Herald
National Service Journal
Nature Notes
New Church Magazine
New Ireland Review
Northampton Mercury
Oddfellows' Magazine
Official Journal of the Patent Office
Our Programme
Oxford Chronicle
Paper Maker
Patents
Petroleum Review
Positivist Review
Preston Herald
Printers' Register
Railway Review
Reports of Patents, Design, and Trade Mark Cases
Rhyl Record
Sanitary Record
Script Phonographic Journal
Sheffield Weekly Independent
Shipping World
Social Democrat
Socialist Standard
Society of Chemical Industry: Journal
Sphinx
Stationer, Printer, and Fancy Trades Register
Stationery World
Stonyhurst Magazine
Students' Journal
Timber News
Timber Trades Journal
Trade Marks Journal
University Correspondent
Wallaseyan
Weather Reports
West African Mail
West Lancashire Masonic Record
Western Daily Press
Worcestershire Herald
Zoophilist

HENRY E. CURRAN,

Deputy Librarian.

THE MUSEUMS.

The Director of Museums furnishes the Fifty-sixth Annual Report upon the CONDUCT and PROGRESS of the Museums.

I.—GENERAL.

Since 1896, a period of thirteen years, 75,842 specimens of Natural History and 10,939 specimens of Ethnography, totalling nearly 87,000 specimens, have been added to the collection, or an average of 6,675 additions per year.

The following table shows the total number of visitors to the Museums during the year compared with that of the year 1907:—

	1907. (264 Days.)	1908. (264 Days.)
Total Visitors	466,328 ...	464,443
Weekly Average	8,967 ...	8,931
Daily Average	1,766 ...	1,759

The attendance of school children under the charge of teachers has continued, and the latter have availed themselves of the clause in the Education Code whereby time devoted to instruction in Museums reckons as school attendance. School teachers make frequent use of the Museum theatre to give special lessons to their pupils—specimens being brought from the Museum cases for illustrating them.

Twenty-five lectures were delivered by the members of the Staff on Monday evenings in the lecture theatre of the Museums, specially dealing with the various collections in the Institution. They were illustrated by specimens and by lantern slides. The number of visitors to the Museums on these Monday evenings totals 10,533, of which a large percentage attends the various lectures.

A. LORD DERBY MUSEUM.

Zoological Department.

(*a*) General.

Several dredging excursions have been undertaken during the year to the estuary of the Mersey and the Irish Sea, for the purpose of obtaining specimens for the Local Collection of Marine Fauna. Through the kindness of the Sanitary Sub-Committee, the City Engineer's Department gave permission for the Director to occasionally place members of the Staff on board the "Beta," when on its periodic visits to the "Deposit Grounds" near the N.W. Lightship.

The thanks of the Council were accorded to Alderman John Duncan, for kindly allowing the Director to send a member of the Staff on one of the trips to the S.W. of Ireland of the Steam Trawler "Thistle," Captain William Eagle, which resulted in the addition of a number of important species to the collections, especially of Deep Sea Fishes and Echinoderms, taken at depths of 200-400 fathoms.

The Science Cabinets, containing properly identified and labelled specimens on selected subjects, have been distributed to the various Elementary Schools in the City as in former years. Some 165,000 children of the schools of the city are thus reached annually by these cabinets.

In the carpenters' shops, in addition to the ordinary repairs and fittings, numerous cases have been made, both for the Lord Derby and the Mayer Museums. All case fittings, many stands, snow-boards, gangways, &c., on roof, many fittings in Aquarium, as well as a large number of miscellaneous appliances for the exhibition of specimens have also been devised and constructed.

(*b*) Conservation.

All the collections on exhibiton have, as far as the great pressure on the Staff has permitted, been periodically examined and kept in proper condition.

(*c*) ACQUISITIONS.

INVERTEBRATES—

Porifera.

By presentation :

Skeleton of the Glass-rope Sponge (*Hyalonema boreale*), by Mr. Tertius Joynson.

Collection of Marine Animals, including Sponges from the Orkney Islands, by Mr. George Ellison.

Sponge (*Halichondria panicea*), collected near the N.W. Lightship, Mersey Estuary.

Cœlenterata.

Jelly-fish (*Chrysaora hyoscella*), collected at Hilbre Island.

Several colonies of *Alcyonium digitatum*, collected by Captain Griffiths, s.s. "Beta," from the Mersey Estuary.

Echinoderma.

Sun Star-fish (*Solaster papposus*), and others, from the Mersey Estuary.

Collection of Marine Animals, including several Star-fishes and Sea-urchins, from the Orkney Islands; presented by Mr. George Ellison.

Important collection of Echinoderms, taken in deep water about 100 miles S.W. of the Fastnet, containing among others the following rare species :—*Pentagonaster granularis, Nymphaster subspinosus, Psilaster andromeda, Stichaster roseus, Pontaster tenuispinis, Cidaris papillata, Holothuria tremula*, and *H. intestinalis*, taken from trawl of S.S. "Thistle," by Laboratory Assistant W. Hibbert, by permission of Alderman John Duncan.

Arthropoda.

Tracheata.

By presentation :

A number of living Cochineal Insects, from Teneriffe, Canary Islands, by Miss F Entwistle.

Coleopterous Larvae (luminous when living), from British Guiana, by Mr. C. W. Anderson, per Mr. J. M. Holland. (Exhibited at Linn. Soc., Nov. 21st, 1907.)

Centipede, from box of Jaffa oranges, anonymously.

Several Wasps' nests, from Para, by Mr. F. B. Stowell.

Larva of Oak Egger Moth (*Bombyx quercus*), from near Londonderry, by Mr. T. A. J. Ridgate

Chrysalis of Silver-washed Fritillary (*Argynnis paphia*), from Ireland, by Mr. John Stone.

Termite Nest, with living Termites, and other Insects, from Buguma, West Africa, by Mr. N. E. Halliley; and a Spider from Degama, New Calabar, by Mr. Stanley Bromilow, per Mr. A. Ridyard

Saw Fly, from Wigan, by Mr. G. Howarth.

Death's Head Moth (*Acherontia atropos*), by Mr. Samuel Banks.

Dragon Flies, one from Smyrna, by Mr. J. Duff.

Several Butterflies and a Moth, from Brazil, and a Grasshopper, by Messrs. J. H. and A. T. Johnson.

Devil's Coach Horn Beetle (*Ocypus olens*), by Mr. Hacking.

By purchase:

A large collection of British Beetles.

Crustacea.

By presentation:

Specimen of *Galathea sp.*, Hermit Crab, &c., from about 100 miles S.W. of the Fastnet, by Captain Eagle, s.t. "Thistle."

Collection of Marine Animals, containing many specimens of Crustacea from the Orkney Islands, by Mr. George Ellison.

Spider Crabs, Swimming Crabs, Hermit Crabs, Amphipod (*Hyperia galba*), &c., collected from Hilbre Island, and the Mersey Estuary near the Bar Lightship.

Several specimens of Crustacea, collected 100 miles S.W. of the Fastnet, from trawl of the s.s. "Thistle," by the Laboratory Assistant, W. Hibbert, by kind permission of Alderman John Duncan.

Vermes.

Hair Worm (*Gordius aquaticus*), from a well in Anglesea; presented by Mr. William Brodie.

Polyzoa.

Colonies of Polyzoa (*Vesicularia spinosa*, *Flustra foliacea*), collected from the estuary of the Mersey.

Mollusca.

By presentation:

Several Cuttlefishes (*Moschites cirrhosa*), masses of Whelk Spawn. and Shell of *Cardium norwegicum*, by Captain Griffiths.

Two Sea-Slugs (*Doris tuberculatus*), from Hilbre Island, by Mr. Lewis Jones.

Shells of Spirula, from Teneriffe, Canary Islands, by Mr. P. Entwistle.

Fishes.

By presentation:

Cook's Wrasse (*Labrus mixtus*), Norway Haddock (*Sebastes norwegicus*), and the Sting Ray (*Trygon pastinaca*), from North of the Bay of Biscay; Beryx (*Beryx decadactylus*), Macrurid (*Macrurus trachyrhynchus*), the Humantin (*Centrina salviana*), and Porbeagle Shark (*Lamna cornubica*), from the S.W. of Ireland, by Messrs. Harley and Miller.

Pike caught at Hooton, by Mr. R. Beynon.

Japanese Gold Fish, from Kobe, by Mr. W. B. Connely.

A number of Walking Fish (*Periophthalmus koelreuteri*), living and preserved, from Buguma, W. Africa, by Mr. N. E. Halliley, per Mr. A. Ridyard.

Several Deep Sea Fishes (*Macrurus trachyrhynchus*, *Beryx decadactylus*, *Centrina salviana*, and *Alepocephalus rostratus*), Trumpet Fishes (*Centriscus scolopax*), a Three-bearded Rockling (*Motella macrophthalma*), and an Egg of a Dog-fish, from about 200 miles W. of the Fastnet, and a Short-finned Tunny (*Thynnus thynnus*), from the N. of Ireland, by Captain W. Eagle, per Alderman John Duncan.

Deep Sea Fish (*Macrurus trachyrhynchus*), by Mr. G. Milman.

A collection of Fishes containing some important deep sea forms, *i.e.*, *Capros aper*, *Phycis blennioides*, *Macrurus spp.*, *Argentina sphyræna*, *Gadus pontassou*, *Centrophorus squamosus*, and *Pristiurus melanostomus*, taken about 100 miles S.W. of the Fastnet, in 200-400 fathoms, from the steam trawler "Thistle," by Laboratory Assistant W. Hibbert, through the kind favour of Alderman John Duncan.

A collection of Fishes, containing among other species, specimens of Five-bearded Rockling (*Motella vulgaris*), Two-spotted Sucker Fish (*Lepadogaster bimaculatus*) Norway Haddock (*Sebastes norvegicus*), and Long-spined Cottus (*Cottus bubalis*) from Stromness, Orkney Islands, by Mr. Geo. Ellison.

Cast of a large Sun Fish (*Orthagoriscus mola*), from a specimen lent by Messrs. Robert Isaac, Ltd.

Reptiles.

By presentation:

Python skin from Brass, West Africa, by Mr. R. Y. Sewill.

Monitor Lizard, Snake and four Lizards from Degama, New Calabar, by Mr. T. S. Gardner: Crocodile Eggs from Sassandra, French Ivory Coast, by Mr. P. S. Quainoo: and Two Snakes from Buguma, by Mr. N. E. Halliley, per Mr. A. Ridyard.

Puff Adder (*Bitis arietans*), by Dr. J. H. O'Connell.

Young Turtle taken in the Mersey, by Mr. W. Burgess.

Pond Tortoise (*Emys orbicularis*), by Mr. S. Manning.

American Tortoise (*Testudo ibera*), from Brazil, by Mr. Dowie.

Two Fresh-water Turtles (*Hydromedusa maximiliana* and *Hydraspis hilarii, juv.*), from the River Plate, by Mr. L. Cole.

Birds.

By presentation:

Whistling Duck (*Dendrocygna javanica*), Naked-faced Cockatoo (*Licmetes nasica*), two Java Sparrows (*Munia oryzivora*), Piping Crow (*Gymnorhina organicum*), Sheldrake (*Tadorna cornuta*), Amherst Pheasant (*Thaumalea amherstiæ*), Raven (*Corvus corax*), Teal (*Nettion crecca*), Blue-fronted Amazon Parrot (*Chrysotis æstiva*), Laughing Jackass (*Dacelo gigas*), Levaillant's Parrot (*Pæocephalus robustus*) and Goose (*Cyanopsis cygnoides*) from the Sefton Park Aviaries, by the Parks and Gardens Committee, per the Superintendent.

Dipper (*Cinclus aquaticus*), by Mr. J. Smith.

Noddy Tern (*Anous stolidus*) from Liberia, Wilson's Petrel (*Oceanites oceanicus*) from 100 miles off Lagos, by Mr. A. Ridyard.

Smew (*Mergus albellus*), by Mr. G. E. Clayton.

Redpoll (*Linota rufescens*), by Mr. D. Anderson.

Egret (*Bubulus lucidus*), Roller (*Coracias abyssinicus*), three Bee-eaters (*Merops rubicus* and *M. albicollis*) from Nigeria, by Staff-Sergeant Bullock.

Peregrine Falcon (*Falco peregrinus*), from Scotland, by Mr. W. J. Black.

Nestling Sandpipers (*Totanus hypoleucus*) from North Wales, by Mr. G. R. Clarke.

Four Penguin's Eggs from West Africa, by Miss Stump.

Black-headed Oriole (*Oriolus larvatus*) and Pin-tailed Wydah Bird (*Vidua principalis*) from Buguma, West Africa, by Mr. N. E. Halliley, per Mr. A. Ridyard.

Swift (*Cypselus apus*), by Mr. F. A. Worrall.

Two Pheasants (*Phasianus colchicus*), by Mr. J. R. Lloyd Williams.

Forty-two photographic enlargements of birds and nests photographed from nature, by Dr. F. Heatherley.

Two half-tone prints of home of Egyptian Vulture and Stanley Crane, by Dr, Graham Renshaw.

Goldcrest (*Regulus cristatus*), by Mrs. A. K. Bulley.

A collection of over 300 specimens of British Birds' Eggs, by Messrs. T. and J. E. Johnstone.

Nest of Reed Warbler (*Acrocephalus streperus*), by Mr. Georg Dickinson.

Earthenware Nesting Pot, by Mr. Thomas Brocklebank.

Tufted Duck (*Fuligula cristata*), by Mr. John Graham.

A Collection of twenty Humming Birds, by Mr. J. G. Nicholson.

Nests of Weaver Bird and Oven Bird, by Mr. T. B. Stowell.

By Purchase :

Secretary Vulture (*Serpentarius serpentarius*) ; two young ostriches (*Struthis camelus*) ; Cassowary (*Casuarius uniappendiculatus* sub. sp. *aurantiacus*) ; two Reed Warblers (*Acrocephalus streperus*) ; Manx Sheerwater (*Puffinus anglorum*), and a collection of British Birds containing upwards of 1,300 specimens representing 128 species.

Mammals.

By presentation :

Portions of tissue, eyes and baleen plates of whales, by Rev. C. Dowding.

Skin of Civet Cat, from Cape Palmas, West Africa, by Mr. Pierson, per Mr. A. Ridyard.

Photographic print of Uganda Kob (*Cobus thomasi*), by Messrs. Rowland Ward.

Twenty-four half-tone illustrations of Mammals, taken from the living animals, by Dr. Graham Renshaw.

Three half-plate transparencies of the Lion's Head, in group; presented in acknowledgment of permission to photograph the group.

Teeth of Horse, from submerged forest at Leasowe, by Mr. Wm. Green.

Limb-bones of the Guanche people, from Teneriffe, Grand Canary, by Mr. P. Entwistle.

Fragments of the antlers of Red Deer, from the submerged forest at Leasowe, by Mr. H. Vickers Cantrell.

Specimen of Persian Cat, by Mr. E. Crossley.

Imperfect skins of the Black-buck and Jackal, by Dr. Stopford Taylor.

Specimens of an Antelope, Anubis Baboon and Civet Cat, by Mr. Seward.

Mole (*Talpa europæa*), by Mr. J. W. Cutmore.

Variety of the Common Mouse, from Stromness, Orkney Islands, by Mr. G. Ellison.

Skull of a Cetacean, by Captain Glazebrook.

Pekingese Spaniel, by Mr. Clement E. Sunderland.

By purchase:

Chimpanzee (*Anthropopithecus niger*); set of feet of the Horse; Small collection of South African Mammals, consisting of ten skins and two skeletons, representing the following species:—Jumping Hare (*Pedetes caffer*), South African Dormouse (*Graphiurus ocularis*),

Hare (*Lepus crassicaudatus*) and South African Rat (*Otomys sloggetti*); Models of the Skulls of *Mæritherium*, *Palæomastodon*, *Prozeuglodon*, and *Arsinoitherium*: Green Monkey (*Cercopithecus callitrichus*); fifteen specimens of the Common Shrew (*Sorex vulgaris*); fifteen Water Voles (*Arvicola amphibius*): one Bank Vole (*Arvicola glareolus*).

Botany.

By presentation:

Kola Nut Pod, from Sierra Leone, by Mr. A. Ridyard.

A small collection of dried Plants, from Canary Islands, by Miss F. Entwistle.

Small pieces of Timber (*Tabebuia flavescens*), from Argentina: piece of Timber of Quassia and micro-section of the wood, by Mr. James A. Weale.

Piece of Stem, a large Pyxidium and various Seeds from Para, by Mr. T. B. Stowell.

Six specimens of Lichen and twelve Seaweeds, from Stromness, Orkney Islands, by Mr. George Ellison.

Shea Butter Nuts and sample of the oil, from Egwanga, West Africa, by Chief Cookey Gam, per Mr. A. Ridyard.

Several specimens of Fungi, observed growing in the courtyard of Museum and added to the collection.

By purchase:

Glazed gas-light paper prints of photographs of 170 micro-sections of Timbers.

Geology.

By presentation:

Eight pieces of rock from near an old Platinum Mine, Wem, Shropshire, by Mr. J. Gittins.

Five specimens of Iron Pyrites and one of Specular Iron, by Mr. Alex. M. Sing.

Two specimens of Gold and Silver Ore, by Captain Curnow.

Sample of Slate Splitting in form of a fan, from Nantlle Slate Quarry, Carnarvonshire, by Mr. J. Hamilton Gibson.

Palæontological.

By presentation:

Small collection of Brachiopods. &c., from the Great Ormes Head, by Miss Collings.

Specimens of Shells, from clay deposits at Grand Canary, by Miss F. Entwistle.

Fossil Plant (*Stigmaria*), from a Wigan Coal Mine, at a depth of 680 yards, by Mr. G. Haworth.

The Aquarium.

The Aquarium continues, as heretofore, to be one of the chief attractions of the Museums. The various tanks have been kept well stocked with examples of both marine and fresh-water life.

Summary of Acquisitions.

Zoological.

Porifera	5	Species	8	Specimens.
Cœlenterata	2	,, ...	4	,,
Echinoderma	20	,, ...	76	,,
Polyzoa	2	,, ...	4	,,
Vermes	1	,, ...	1	,,
Arthropoda (Crustacea)	20	,, ...	60	,,
Arthropoda (Tracheata)	700	,, ...	3,000	approximate
Mollusca	5	,, ...	20	Specimens.
Fishes	33	,, ...	90	,,
Reptiles	12	,, ...	18	,,
Birds	230	,, ...	1,700	,,
Mammals	50	,, ...	96	,,
	1,080		5,077	

Botanical.

Plants	190	Species	227	Specimens.	

Geological and Mineralogical.

Rocks and Minerals...	16	Specimens.	

Palæontological.

Zoological and Botanical	57	Specimens.	

Total additions to the Lord Derby Museum.

Species	1,270	Specimens	5,377		

B.—MAYER MUSEUM.

(*a*) General.

The following is the arrangement of the galleries in this Museum. In the upper floor are to be found illustrations of the history, art and craft of the various families of the Mongolian Race; on the ground floor, together with the Main Hall and its balcony, those of the Caucasians, and in the basement those of the Melanian peoples.

The Melanian department continues as hitherto to receive numerous acquisitions, mostly from the West and South-West Coast of Africa. The Mayer Museum is again indebted to Mr. A. Ridyard, Chief Engineer (Elder, Dempster & Co.), who has been most indefatigable in inducing his friends on the coast to collect and present desirable objects to this department.

The Melanesian Corridor has been so far relieved as to permit of its being re-opened again during the year.

In the Mongolian section there has been added a collection of Philippine Island Ethnography, received in exchange from the American Museum of Natural History, and previously unrepresented in the collection.

In the Caucasian section many of the larger Greek, Etruscan and Roman specimens have been mounted and displayed.

During the year photographs have been taken of several exhibits for the purpose of study or for illustration in publications.

(*b*) Loans and Deposits.

Fac-similes of a group of Ancient Irish Antiquities, by Messrs. Joseph Johnson & Sons, Dublin.

(*c*) Exchanges.

The following Duplicate Egyptian Pottery was exchanged with the Museo Municipal, Santa Cruz, Tenerife, *per* S. Dr. Feodomira Rabayna y Marrera, Director, for a selection of 36 Dutch Tiles taken off the cupola of the Franciscan Monastery in Tenerife (see Minute of February 14th, 1908):—

Earthenware vases and bowls and alabaster vase, from Kom-el-Ahmar, Esna, &c.

Ethnographical Objects from the Philippine Islands, received from the American Museum of Natural History, New York, *per* Dr. H. C. Bumpus, in exchange for duplicate African and other Ethnography, as per Minute of May 10th, 1907:—

Model apparatus used to extract hemp fibre from the stalk: models of a plough; deep-water fishing net: native cooking pot; models of a loom, fish corral and bamboo harrow; rattan basket; quiver and arrows; blanket; rain coat: cocoanut shell vessel, drinking cup, &c.; cloth girdle dress; rattan baskets; bamboo hunting spear made by Moros: bronze gongs; brass tray; weapon; woman's cotton skirt: man's cotton trousers; cocoanut shell spoon; cocoanut shell strainer; rice huller; basket; models of a sledge: sugar-cane mill; earthenware water-bottle; earthenware cooking pot: cocoanut shell ladle and spoon: pegged frame, used for winding thread: apparatus, used for stretching and cleaning thread; Bejuco basket; bronze gong; bamboo and rattan basket:

baskets for holding fruits and nuts; cigarette case of buri palm leaf; rattan and nito basket; rattan and nito basket for clothes; bamboo and rattan basket for fish; fish traps; bamboo and other hats; drinking cups of cocoanut shell; spoons of cocoanut shell; shuttles; red and white cotton on pieces of cane; reed for a weaving machine.

(*d*) Acquisitions.

(1.) General.

Presented:

Carved oak brackets and photograph of the same *in situ*, taken from a house in Poplar, said to have been occupied by Sir Walter Raleigh; Mr. Thomas Cope.

Purchased:

Fac-similes of Ancient Irish objects, as follows:—Shrine of St. Patrick's Bell; Tara Brooch; Shrine of St. Molaise; The Ardagh Brooch.

Glass medallion of David Dale, 1791, and glass medallion of James Anderson, Physician-General, Madras, 1799, both modelled by *Tassie*.

(2) Local Area Collection.

Presented:

Walking stick, presented to the late City Organist, W. T. Best, on the occasion of his visit to Sydney, in 1890, to open the Great Town Hall Organ—the top is made of one of the draw-stops of the instrument; fragments of glass, from Combermere Abbey: Lieut.-Col. John Pilkington.

Prints from copper-plates:—"A View of the Custom House, taken from Trafford's Weint:" "The North front of the Poor House;" and "The North front of the Sailors' Hospital:" drawn by P. P. Burdett, 1770, and engraved by E. Hooker; lithographic prints of "Views of Old Liverpool from Ancient drawings;" Mr. Thomas Cope.

Two watches in silver cases; J. Elliott, Esq., J.P.

Silver medal of the Liverpool Shipwreck and Humane Society, 1839, awarded to "Jno. Woulfe, seaman, for saving Crew of 'Rover' of Liverpool, in Channel, during a gale, 20th January, 1854;" Mr. F. Gordon Brown, Edinburgh, *per* Dr. Permewan.

Purchased:

Badge of the "Liverpool Fusiliers."

Grant by Robert de Derby of Liverpool and Joan his wife, and Richard le Seriant of Walton in the Dale (Walton-le-Dale) and Annabella his wife, to Thomas Richard Hugones de Duxbury, of messuages, lands, &c., in Coppenhall, April 29th, 1386.

Power of Attorney by Alexander Rigbye of Burghe, Co. Lancashire, to Roger Rigbye and his son, granted by Thomas Lathom, September 30th, 1579.

Blue printed earthenware dish.

Herculaneum ware—Pair of black basalt vases on white jasper plinths, made at the Herculaneum Pottery.

Cream-coloured printed jug.

(3) Ceramics.

Presented:

Pitcher mould, probably modelled by Enoch Wood; Mr. George Hammersley, Alsager.

Bowl of red earthenware, marked "S. & Co.," made at the Isleworth Pottery; Mr. F. W. Phillips.

Purchased:

Cup and saucer of Mason's Patent Ironstone China.

(4) Ethnography.

MELANIAN RACE.

Africa.—West and south-west:—

List of specimens collected and presented by and through Mr. A. Ridyard, Chief Engineer s.s. "Addah," Messrs. Elder, Dempster & Co.:—

Senegal:—

Presented:

Carved gourd ladle, from Rufisque: basket, from Rufisque; Mr. A. Ridyard.

Wooden spoon, and wooden spoons from Matam, five days' journey from St. Louis, Senegal: Mr. A. Savage, *per* Mr. A. Ridyard.

Gambia:—

Presented:

Map of the Gambia River: riding whip made of the intestines of a fish, from Bathurst: stained leather bag, from Saloum, Bathurst: baskets (no lids), from Bathurst: basket with lid, from Bathurst: Mr. A. Ridyard.

Small-carved gourd and lid; Mr. C. D. H. During.

Sierra Leone:—

Presented:

Bottles covered with leather, pattern in grass; cigarette tin covered with leather, pattern worked in grass—from Mandingo country: necklace, three small horns, strung, worn by boys round the neck during circumcision, Mandingo country: whip, made from the tail of the Sting Ray, from the Falaba country; walking stick, from Badibou, Mandingo country; Mr. A. Ridyard.

Plaited rattan mat, from Bo; wooden spoon: wooden combs, from Shebro Island: figure in wood of a monkey: Mr. C. D. H. During.

Fly whip, made of hair, stained leather handle, from Fuladu, Mandingo country; Mr. J. J. Joof.

Carved walking stick, from Blama, 70 miles from Sierra Leone; Mr. A. C. Williams.

Horn and wood powder flask: knife and sheath, from Fogni, Joloh: gri-gris, from Kommbo Town, Mandingo country: Mr. J. J. Joof.

Countryman's hat, made and worn by the Susus: Mrs. W. E. Johnson.

Purchased:

Bundu devil-dancer's mask, from Jumbuyah, Shebro district.

Liberia:—

Presented:

Knives, two spoons and chain carved out of one piece of wood, from Pessy, Grand Bassa; Mr. T. J. Reffell.

Bag and sample of fibre used for making same, from Pessy, Grand Bassa; purse, from Monrovia; knife and sheath; purse, from Monrovia: grass bag, from the Pessy country, Monrovia; Mr. W. O. Davies Bright.

Purchased:

Rattles—various forms, leather purse, grass cap.

French Ivory Coast:—

Presented:

Snuff-box made from a shell, from Tabou; Mr. A. Ridyard.

Gold Coast:—

Presented:

Native woven cloth, from Jellah Coffee: Mr. A. Ridyard.

Carved wooden stool, from Ashanti; country pots; Mr. John Crawford.

Native cloth, from Jellah Coffee; Mr. J. Koblavie.

Black earthenware pipeheads, from Ashanti; King Amonoo V, of Anamaboe.

North Nigeria:—

Presented:

Wooden drums, from Karoshi, near Zaria; box and lid of hide: fly whisk made from a horse's tail, grass-cutting knife, dagger in leather sheath, all from Kano; wooden reading tablets and copy of

the Koran, found at Satiru, near Sokoto; two nickel pennies and two nickel coins one-tenth of a penny (first issue), North Nigeria; Staff-Sergeant H. Bullock.

Haussa gown, from Yola; Mr. J. M. Freemantle.

Knife in leather sheath, from Ibi; Mr. J. Carden.

Purchased:

Knife made of iron with curiously curved blade and handle, knife or dagger of iron—all one piece, quiver of poisoned arrows, from the Munchi tribe; bridle and bit, from Ibi; kohl pots of skin; daggers; leather whip; pairs of glass armlets; axe, engraved head; spear.

South Nigeria:—

Presented:

Carved wooden head, from Ebo country; basket, from Ebo country; drum, from Opobo Town; fans of coloured grass, from Abonnema; fruit, the seeds of which are used for making dance rattles, and photograph of a tree showing fruit growing, from Egwanga; baskets, from Bonny; photograph of a native woman working at a loom; Mr. A. Ridyard.

Two grass mats, from Bonny; Mrs. Crowther, Protectorate Mission.

Double wooden bowl, used to hold pepper and salt, from the Ibo country; the Rev. Archdeacon Crowther.

Pair of rattles made of nut shells worn on the legs, and girdle belt of nut shells worn in the dance; wooden headdresses—all from Ibo country; Mr. Tom S. Gardner.

Wooden male figure, wooden female figure, from Bonny; Chief Squiss Banigo, Bonny.

Painted wooden male figure, from Ebea; manilla; Chief Api Api Cookey Gam, Opobo.

Native mat, from Buguma, New Calabar; Mr. N. E. Halliley.

Wooden comb, from Forcados; Mr. S. E. Thorpe.

Native straw hat; earthenware bowl and lid; Mr. C. D. H. During.

Purchased:

Box, in form of a coiled mud-fish, from Benin; dress of dyed and netted grass, from Old Calabar.

Cameroons:—

Purchased:

Painted wooden head ornaments; wooden figures; wooden painted masks; fetish figures; painted and burnt sticks; wooden tablet; painted and burnt heads; fetishes; wooden figures, mostly in the attitude of holding a vessel to the mouth, &c.; wooden pendant; handle of a sceptre; axe; animal fetishes; ivory horns; clay pipe-heads; stem of a pipe made from old gun fittings; earthenware mace(?), heads and stand; earthenware bowl; knives, iron blades; ivory horn; bags made of dyed grass; grass girdle dress; grass mats; knife; painted charms or fetish, and miniature girdle dress; enemas; wooden combs; grass basket and lid; sceptres or official staffs; spears, various; wooden telegraph drum.

Congo:—

Presented:

Bead girdle dress; bead necklace; cloth apron, with beadwork decoration; wooden bowl with lid -all from Matadi; Mr. C. D. H. During.

Melanesia—

New Guinea:—

Presented:

Shell trumpet known as *Balalani*, shell trumpets called *Bogigi*, from South Cape; shell trumpets called *Kibi*, from Moresby Island; collected by the late Rev. W. G. Lawes; Mrs. Harley.

Solomon Islands:—

Presented:

Shell trumpet, from the Florida group; Mrs. Harley.

Polynesia:—

Purchased:

Bone meri, the end and side carved, from New Zealand.

MONGOLIAN RACE.

Japan.—

Presented:

Shell trumpet, with carved bone figures of man, tortoise and child; Mrs. Harley.

Thibet.—

Presented:

Trumpet of shell; Mrs. Harley.

Purchased:

Three hanging pictures painted on silk, obtained from a Temple in Thibet.

S. America.—

Purchased:

Earthenware vases; earthenware bottle; earthenware bowls; part of a vase; part of a wooden vase; gourd, with painted design; gourd, with incised designs; plaited reed basket; part of the lid of a reed basket; adze, slate head and wooden handle; slate adze-head; arrow-shafts and part of a skin quiver; fragments of bows; wooden weaving implements; wooden paint palette (?); seeds, beans, &c., used as food; wooden writing (?) tablet, with leather case; leather case for a wooden writing tablet; hide sandal; plaited caps, with tufts of wool woven in; fragments of corded rope, nets, &c., and wooden suspenders; part of a wooden handle; shell; piece of a woollen poncho; piece of the outer wrapping of a mummy; plaited cord; bags of woven materials; human hair from a mummy; mummy, with fillet round the head and feathers; mummy of a child; two mummies—macerated for study—from cave burials in the Mountains in the neighbourhood of Antofagasta, Chili.

CAUCASIAN RACE:—

Canary Islands:—

Presented:

Part of a plaited grass (?) body garment; piece of goat-skin costume, showing mode of dressing the skin, from the Guanches: Mr. P. Entwistle.

Shell, used as a fog-horn by fishermen, Newfoundland; shell trumpets; shell trumpet, used in a granite quarry in Guernsey; shell trumpet, used on an Anglesey farm to call the labourers from the fields; part of a collection formed by the late Dr. George Harley, and presented by Mrs. Harley.

Jerusalem:—

Purchased:

A collection of old Armenian metal-work from a Church in Jerusalem was acquired, as follows:—

Oil or libation vase, copper, engraved; copper oil vase, tinned; copper bowls, tinned, engraved and inscribed; oil vessel or lamp of copper, tinned; cup and saucer of engraved copper; lower part of a copper basin, engraved; iron axe-head, engraved; bronze pestle and mortar; wooden powder flask in form of a heart, carved.

Orkneys:—

Purchased:

Old plough; bride's cog, dated 1811; pundler, or weighing beam; Bismar or steel-yard-arm; crusie mould, in iron; crusie lamps.

Shetland:—

Purchased:

Bismar or steel-yard-arm.

SUMMARY OF ACQUISITIONS.

Ethnography and Photographs	380
Miscellaneous	40
Ceramics	42
	462

HENRY O. FORBES,

DIRECTOR OF MUSEUMS.

BRITISH MUSEUM
NATURAL HISTORY

"THE GLORIOUS FIRST OF JUNE."

Charles Dixon, R.I.

Presented by G. H. Ball, Esq.

WALKER ART GALLERY.

The Curator has the honour to report in reference to the work during the year 1908 of the Department under the direction of the Art and Exhibitions Sub-Committee of the City Council.

During the year, as in 1907, the demands of temporary exhibitions prevented any adequate display of the Permanent Collection. What was possible was done to minimise this evil, rooms being utilised even when free for only a short period; but there has not been anything approaching to a full display of the City's Art Treasures since July, 1906, when the usual ten rooms were cleared for the Autumn Exhibition. The effect of this upon the interest taken in the Gallery by the public is well illustrated by their attendance:—1905, total visitors 350,759; 1906, total visitors 403,592 (during this year the entire Collection was shown); 1907, total visitors 387,205; 1908, total visitors 338,652.

No progress has been made in regard to the extension of the Corporation Art Galleries, although the subject has now been under discussion for several years. Such an extension is urgently needed in order that (1) the Permanent Collection may be properly housed and shown, (2) the undue wear and tear of frames and pictures and the expenditure for labour caused by frequent removals, as well as deterioration while stored, may be avoided.

The renovation of the first floor of the Gallery has been completed by the laying of new oak parquet in the Central Hall (the original inlaid parquet flooring having been destroyed by continual washing) and the re-decoration, on the uniform plan determined upon in 1905, of Rooms H, D and K.

The wood and iron work of the exterior of the building, including the iron work in the yard and the notice boards, has been thoroughly examined, repaired and re-painted: the kitchen for the staff has

been repaired and made more habitable; two arc lamps have been substituted for the inadequate and unsightly lighting arrangements in the front portico; the ceiling of the portico has been re-painted, and the name of the Gallery has been re-gilt. While this work was in progress it was found that the window flower boxes were in a state of decay, also that as a consequence of their being in use, the window sills and stonework had seriously deteriorated. It was therefore resolved to discontinue this form of decoration.

The lighting has been improved throughout by the substitution of Osram lamps for Edison-Swan 16 c.p. From this change an economy of about one-third of the energy consumed is anticipated.

In order to demonstrate the possibilities of the ground floor rooms for the exhibition of works of art, especially of the smaller sort, such as water-colours, etchings, mezzotints, &c., the windows of the room, commonly known as the Roscoe Room, were re-glazed with Pilkington's Patent Prismatic Glass, and new white linen blinds, unrolling upwards, were substituted for the unsuitable yellow blinds formerly in use.

The resulting improvement in the amount and diffusion of light was so entirely satisfactory to the Committee that estimates were obtained from the Surveyor for the renovation and alteration of the ground floor as follows:—

1. Line walls with wood and cover with canvas; paint rooms in oil or distemper.

2. Re-glaze windows with Pilkington's Patent Prismatic Glass.

3. Connect small front room adjoining West Front Room with it by new doorway.

4. Alter the Middle West Room and fit as a tearoom with kitchen adjoining, thus doing away with the temporary refreshment room in the cart yard, which is a special source of fire risk.

5. Remodel the system of heating, it being in its present form actively injurious to the pictures, especially old ones.

6. Make an opening between East Front Room and Porter's Room, and fit counter, &c., in order to provide adequate cloak-room accommodation.

7. Construct new workshop for gilder in yard.

8. Re-lay the Entrance Hall floor with black and white marble, in lieu of the present worn pavement of Minton tiles; replace worn step at front entrance, and repair flagged pavement of portico; remove present turnstiles and barrier, and substitute two single turnstiles of improved modern type.

9. Provide a passenger and goods lift, and make a new doorway at back to admit of access.

The total cost of this work, which would greatly increase the usefulness, comfort, and safety of the Gallery, has been estimated by the Corporation Surveyor at £2,223. The matter is under consideration. It is to be feared that for lack of the requisite funds, the greater part of the work above indicated, like the extension of the Gallery, cannot be attempted during 1909. The reform of the heating and ventilation of the first floor, the repair and rearrangement of the basement, the renovation of the worn floors throughout the building, and other work which is much needed, must, for the same reason, stand over.

During the year, considerable attention has been devoted to the duty of bringing the Permanent Collection into a better state of repair. The pictures "Daniel" by Briton Riviere, R.A., "The Pilgrimage" by A. Legros, "Everton Village" ascribed to Towne, "A Circassian Girl" by H. H. Pickersgill, and "A Family Portrait Group" by Richard Caddick have been successfully relined. About thirty frames, including a number of very large ones, have been repaired and re-gilt. The particulars of a large number of pictures have been properly inscribed on the flats of the frames; and a considerable addition has been made to the stock of pedestals for sculpture, &c.

A satisfactory commencement has also been made in the conservation of the Roscoe Collection, in pursuance of the agreement with the Trustees of the Royal Institution, which enabled the Art and Exhibitions Sub-Committee so to deal with them: they giving an undertaking to spend not less than £100 per year for ten years for that purpose. As this work was only commenced in the autumn, the first £100 was not exhausted during the financial year, but nine pictures were very satisfactorily cleaned, their frames regilded, and plate glass supplied where necessary, at a cost of £43 5s. All the work was done to the satisfaction of Mr. Edgar Browne, as representing the Trustees.

Since the beginning of 1909 further steady progress has been made both in regard to the Roscoe Collection and the Permanent Collection. By resolution of 14th December, D. G. Rossetti's "Dante's Dream" was sent to be relined at the National Gallery, by kind permission of the Trustees and Director.

The following additions to the Permanent Collection were made during the year:—

1.—By Purchase from the Autumn Exhibition:

"Adieu" (Schubert) (oil), by Robert Burns, A.R.S.A.

"Winter Evening in the Glen" (oil), by A. K. Brown, R.S.A.

"Night, Pontevedra" (oil), by Eliseo Meifren.

*"White Gigs, Moonlight" (oil), Miss Mary McCrossan.

*"The Crumpled Dress" (oil), by Charles Stabb.

*"Love Lane" (oil), by Alexander Abdo.

*"Nightfall, near Bordighera, Italy" (oil), by H. S. Teed.

*"The Lovers" (oil), by J. Hamilton Hay.

"The White Inn" (water-colour), by A. W. Davidson.

"Tete d'enfant" (marble bust), by Naoum Aronson.

* Bought under the terms of the Lord Derby Bequest.

WINTER EVENING IN THE GLEN.

A. K. Brown, R.S.A. *Purchased.*

BRITISH MUSEUM
NATURAL HISTORY

Etchings, &c., and Pottery:—

"The Avon below Bristol," by Colonel R. Goff, R.E.: "Dordrecht," by Anthony R. Barker: "The Skeleton in the Cupboard," by F. Carter, "Approach to a Yorkshire Village," by W. H. Milnes: "La Leçon," by Jean Veber: "Study of a Head," by Harold Speed: "Max Beerbohm, Esq." and "The Toilet," by Charles Shannon; "In a London 'Bus," by A. R. Fedden: "Toledo, Spain," by Sydney Lee, A.R.E.: "The New Strand," and "East Blatchington," by Muirhead Bone: "Hester," by Francis Dodd: "Thieves," by Miss Anna Airy; "Paris in Construction," by Ernest Lumsden: "The Little Mermaid," Miss Jessie M. King: "Etaples, Moonlight," "Sunset by the Lake," "Meadowland," and "Largo Harbour," by Mrs. E. C. Austen Brown: Three examples of Martin Ware, by Martin Bros.: Two examples of Ruskin Ware, by W. Howson Taylor.

2.—By Purchase:—

"Portrait Group" (oil), by Richard Caddick.

"Marine Subject" (oil), by Henry Dawson.

"The Card Players," by W. Daniels.

"Oliver Twist's first introduction to Fagin," by H. B. Roberts.

Portfolios of colour reproductions of pictures by early Flemish masters.

3.—By Donation:—

"Colonel Bousfield" (one of the founders of the Volunteer Movement), marble bust with pedestal, by E. E. Geflowski; presented by Mrs. Steble.

Series of 20 wood engravings, by Timothy Cole; presented by the artist.

"Fisher Girls, Runswick" (etching), by Miss C. G. Copeman; presented by the artist.

"Goats" (oil), by R. Beavis; presented by C. Sydney Jones and Ronald Jones (in memory of their father, the late C. W. Jones, J.P., of Allerton Beeches).

Portrait of Sir Alfred Jones, K.C.M.G. (oil), by Frederick Beaumont; presented by Sir Thomas Hughes, on behalf of subscribers.

"The Heart of Snowdon" (oil), by H. Clarence Whaite, P.R.C.A.; presented by Harold Rathbone, Esq., on behalf of subscribers.

"The Adoration of the Magi" (oil), attributed to Luca Giordano: presented by Horace Collins, Esq.

"Near Altcar" (oil), by Harry Williams: presented by Alfred Kind, Esq.

"The Church Pool, Bettws-y-Coed" (water-colour), by A. W. Ayling, R.C.A.; presented by Mrs. Ayling.

"Moorland Landscape" (water-colour), by Charles Barber: presented by A. G. E. Godden, Esq.

"The Last Gleam" and "The Wreck" (etchings), by J. W. Oakes, A.R.A.; "The Anxious Mother," "Fellow Commoners," "The Park," "Habitants of our Shores" and "The Sentinel" (etchings), by R. Ansdell, R.A.; presented by Dr. H. Nazeby Harrington.

"Pathway to the Mill" (water-colour), by H. C. Pidgeon: presented by W. Wardlaw Laing, Esq.

"A Roman Patrician" (oil), by W. L. Windus: presented by Mrs. Isabella Teed.

Portrait of James Maury (first Consul of U.S. at the port of Liverpool) (oil), by G. S. Newton, R.A.; presented by Sir John Gray Hill, on behalf of the American Chamber of Commerce.

Portrait of W. J. J. C. Bond, by G. Hall Neale; presented by Sir John Gray Hill, on behalf of subscribers.

Landscape (oil), by John Rathbone: presented by Mrs. H. A. Bright.

Three scrap books, containing items of local interest; presented by Percy L. Isaac, Esq.

Portrait of John Gibson, R.A. (oil), by Sir Edwin Landseer, R.A.; presented by Mr. Councillor J. G. Paris.

"The Glorious First of June," by Charles Dixon, R.I.; purchased from the Autumn Exhibition and presented by G. H. Ball, Esq.

By Bequest:—

"Scenes from 'As you like it'" (oil), by Arthur Hughes; bequeathed by Joshua Sing, Esq.

"Helen of Troy" (oil) by F. Sandys, "Viola" (oil) by E. Sandys, "Old letters" (oil) by Fred Walker, A.R.A., "Landscape" (oil) by J. Linnell; bequeathed by Mrs. Constance Emily Warr, on behalf of her late husband, Professor George C. W. Warr.

There are now 831 items in the catalogue of the Permanent Collection, of which 131 are at present on loan to public buildings in the City, viz.:—Town Hall, 39; Newsham House, 23; Central Library, 21; Kirkdale Library, 9; Everton Library, 7; Wavertree Library, 13; Toxteth Library, 4; St. Martin's Hall, 1; Calderstones, 13; Museum, 1.

By resolution of the Committee on 24th August, the opening of the Gallery on Monday evenings was discontinued, and in lieu thereof it has since been opened on Saturdays until 8 o'clock. Sunday opening has been, as hitherto, from 2 to 4.30, during the months October to May, inclusive.

During the year rooms have been used for the following special Exhibitions:—

1. Exhibition of work by students of the Liverpool School of Art—from 25th January to 8th February.

2. Exhibition of Paintings, Colour Etchings, &c., by French artists, arranged by the Société Anonyme des Galeries Georges Petit, of Paris—from 2nd March to 25th April.

3. Exhibition of the picture, "The Ever-open Door," by Sigismund Goetze (by Henry J. Mullen, Ltd.)—from 2nd March to 25th April.

4. Historical Exhibition of Liverpool Art—from 23rd May to 4th July.

5. 38th Annual Autumn Exhibition of Modern Art—from 12th September, 1908, to 2nd January, 1909.

The Historical Exhibition of Liverpool Art was arranged by the following Special Committee, formed in pursuance of the resolution of the Library, Museum and Arts Committee on 1st June, 1906, and confirmed by the City Council on 13th June, 1906:—John Lea, Esq., J.P. (Chairman), Sir William B. Forwood, D.L., Colonel W. Hall Walker, M.P., Alderman J. N. Stolterfoht, G. Hall Neale, Esq., R. E. Morrison, Esq., David Woodlock, Esq., E. Rimbault Dibdin, Esq. (Secretary).

The following final report by the above Committee was adopted by the City Council on 6th January, 1909:—

The Curator has the honour to report that, at the last meeting of the Executive Committee of the Historical Exhibition of Liverpool Art he submitted a statement of accounts, together with his report on the result of the Exhibition. It was resolved to refer the matter to the Art and Exhibitions Sub-Committee, and to the Liverpool Academy. A copy of the report is appended, together with letter from the Secretary of the Liverpool Academy and his reply.

The Exhibition was undertaken, in the first instance, without any expectation of profit. It was, however, felt that the duty clearly devolved upon the Art Gallery of giving effect to a widespread desire that an exhibition should be held of the works of the Liverpool artists of the past, and the proposal, on being formally submitted to the City Council in June, 1906, was approved, and the appointment of a Special Committee was confirmed. This Committee was composed of members of the Art and Exhibitions Sub-Committee, and the Liverpool Academy, that body having projected a similar exhibition, but on a smaller and inadequate scale. As a result, it became desirable to give representation to living painters, and this enlargement of the plan rendered the enterprise more costly. It was hoped, however, that it would increase the public interest.

THE CRUMPLED DRESS.

Charles Stabb. *Purchased.*

SCENES FROM "AS YOU LIKE IT."

Arthur Hughes. *Bequeathed by Joshua Sing, Esq.*

BRITISH MUSEUM
NATURAL HISTORY

After the Exhibition had been arranged, and considerable preliminary work had been done, the Liverpool Pageant was undertaken, and the Sub-Committee of that enterprise which was charged with the duty of arranging an Exhibition of Liverpool Antiquities applied for accommodation in the Art Gallery. It was proposed that certain rooms should be set apart for this purpose, and that the two Exhibitions should be held simultaneously and in combination. Thereafter, the Pageant Committee, finding it required all the available space, requested that the Art Exhibition should be postponed, and, very influential pressure being brought to bear on the Committee of the Historical Exhibition of Liverpool Art, it was felt that they must yield and hold their Exhibition in 1908. A payment of £100 was made by the Pageant Committee towards the expenses which had been incurred. The popularity of the Pageant Exhibition, which not only took the rooms, but the title of the Historical Exhibition of Liverpool Antiquities, seems to some extent to have discounted the public interest in the Exhibition, for, although it was a complete artistic success, and greatly praised on all hands, the attendance (total 6,954) was meagre. It, of course, attracted all connoisseurs, and undoubtedly prepared the way for a much fuller appreciation of the work of Liverpool artists; and resulted in several gifts to the Permanent Collection. It further demonstrated that, in the future policy of the Art and Exhibitions Sub-Committee, the creation of an adequately representative Gallery of pictures and sculpture by local artists should be a leading consideration.

The extent of the Exhibition, and its exceptional character, involved a large outlay, even though the utmost economy was exercised, and the very great amount of executive work was done by the Art Gallery staff, without remuneration, although (as in the case of previous special exhibitions) it involved the sacrifice of all their leisure for a considerable period.

It is respectfully suggested that the amount of the deficit be made a charge on the Library, &c., rate, as contemplated in the report of 28th May, 1906, approved by the Committee and the Council.

The following is an extract:—"The labour involved will be considerable but is within the capacity of the staff, and the only difficulty is that there is no fund to which any possible deficit resulting from the exhibition could be charged. The possibility of a deficit has to be considered, in view of the experience of previous spring exhibitions, but in this case better results may be anticipated with some confidence, as the subject is one of particular local interest, and should prove very attractive. To charge the deficit to the Autumn Exhibition account would be opposed to the best interests of an institution which is largely dependent for its success on the fact that its profits are spent in purchasing works from the Exhibition; and it is, for several reasons, undesirable that the Liverpool Academy should be asked to take any share in the financial responsibility."

The Autumn Exhibition was open during 95 days and 64 evenings from 14th September, 1908, to 2nd January, 1909. The catalogue comprised 2,141 items, as against 2,185 in 1907, and the collection was similar in plan to that of 1907, but was generally allowed to be one of exceptional interest. Among the special features was a room devoted to Continental Art, a complete exhibition of works (62 in number) by members of the Royal Society of Miniature Painters; a black and white section, and a collective exhibition of works by members of the Pastel Society.

The attendance of the public was as follows:—

At One Shilling (95 days)	22,308	
At Sixpence (64 evenings)	14,707	
At Threepence (11 evenings)	7,639	
		44,654
Season Ticket Holders:—		
Gentlemen (5s.)	225	
Ladies (3s. 6d.)	886	
Students, &c. (2s. 6d.)	1,490	
Complimentary	400	
		3,001
		47,655

Robert Burns, A.R.S.A. "ADIEU" (Schubert). *Purchased.*

BRITISH MUSEUM
NATURAL HISTORY

226 works were sold, the catalogue price of which amounted to £3,583. In addition to the official catalogue, an illustrated edition was, as usual, published by Messrs. D. Marples & Co. The Committee had valuable professional assistance in the hanging of the Autumn Exhibition from Messrs. Arthur Hacker, A.R.A., George C. Haité, R.I., R.B.A., and Harold Swanwick, R.I.

Season ticket holders' soirees were held on 16th October and 27th November, both of which were attended by the Right Honourable the Lord Mayor and other civic dignitaries. At the first a lecture was delivered by George C. Haité, R.I., R.B.A., entitled, "Is Art a Necessity or a Luxury?"; and at the second Mr. Wynford Dewhurst, R.B.A., lectured on "Art Student Days in France." On each occasion the programme was augmented by vocal and instrumental music.

Visitors to the Gallery.

During the year the total number of persons who passed through the turnstiles was 338,652, viz.:—

Days.	Persons.	Daily Average.
263 Free Week Days	293,764	1,117
49 Fridays (6d. Admissions and Students) ...	20,294	414
35 Sundays	8,843	252
Monday evenings (28)	1,921	107
Saturday evenings (16)	10,830	672
347	338,652	976
19 Sundays and Holidays, closed	—	—
366		

The attendance of students during the year numbered 1,812. Ten additional students' tickets were granted.

After deducting from the above figures 40,466 visitors to the Autumn Exhibition (to 31st December), the daily average on free week days was 963, from which, however, a further reduction is due in respect of the 2,601 Autumn Exhibition Season Ticket Holders. The figures in reference to these are not, however, ascertainable.

E. RIMBAULT DIBDIN,

CURATOR.

Year.	Admissions. One Shilling.	Admissions. Sixpence.	Admissions. Threepence.	Season Tickets.	Catalogues Sold.	Commission on Sales.	Miscellaneous Receipts.	Total Receipts.	Works Sold.	
1871	£720 16 0	...	£207 14 6	£62 2 0	£165 10 0	£320 18 6	£46 4 4	£1,523 5 4	235	£6,395 2 6
1872	601 5 0	£175 9 6	48 2 6	59 6 6	168 0 6	312 6 0	3 18 3	1,368 8 3	242	6,231 4 6
1873	665 18 0	...	229 10 3	96 8 6	199 17 6	371 17 0	2 10 0	1,566 1 3	271	7,402 17 6
1874	854 16 0	...	241 13 3	151 16 6	247 0 6	479 0 3	2 7 0	1,976 13 6	337	9,514 13 0
1875	972 13 0	77 17 6	237 14 0	210 7 0	279 14 3	617 3 0	11 9 2	2,406 17 11	345	12,299 18 6
1876	1,118 0 0	86 9 6	232 7 6	221 1 0	301 12 0	440 15 3	9 10 7	2,409 15 10	255	8,867 10 0
1877	1,928 12 0	...	419 3 3	443 14 0	454 10 1	537 11 2	18 4 2	3,801 14 8	301	10,963 11 0
1878	1,964 17 0	330 9 6	423 5 0	528 14 6	562 8 6	237 13 0	142 0 4	4,189 7 10	235	6,225 14 0
1879	1,516 12 0	212 1 6	378 11 9	566 7 6	504 9 3	364 16 0	7 17 0	3,550 15 0	267	9,159 15 0
1880	1,449 11 0	274 4 6	489 19 6	499 16 0	509 7 3	544 3 3	10 17 7	3,727 19 1	271	11,753 7 6
1881	1,434 15 0	289 4 6	376 4 6	475 14 0	468 19 9	523 7 6	15 9 6	3,583 14 9	315	12,210 11 0
1882	1,430 3 0	299 3 6	332 16 0	476 1 0	472 14 6	362 8 9	23 1 11	3,396 8 8	311	7,868 3 6
1883	1,302 1 0	273 8 0	304 17 3	381 3 6	434 15 9	403 13 0	32 6 10	3,132 5 4	226	8,472 10 6
1884	1,966 12 0	535 0 6	519 14 3	649 7 6	599 13 3	432 6 3	87 7 5	4,790 1 2	291	12,313 7 6
1885	1,317 9 0	366 9 0	344 10 0	501 7 6	481 7 9	353 17 0	44 1 10	3,409 2 1	196	8,028 8 6
1886	1,147 1 0	397 14 0	333 15 9	302 10 6	434 9 0	336 13 9	36 19 7	2,989 3 7	224	8,576 18 0
1887	888 15 0	389 18 6	260 0 0	216 4 0	371 2 3	185 3 9	18 11 0	2,329 14 6	181	4,791 19 0
1888	1,473 5 0	623 9 0	186 11 3	384 1 0	524 17 6	268 16 9	40 3 3	3,501 3 9	168	6,461 6 0
1889	1,475 4 0	588 7 6	92 15 6	432 11 6	524 9 6	283 10 6	75 2 7	3,472 1 1	184	8,083 3 6
1890	1,372 11 0	375 3 6	241 4 6	511 12 6	484 18 0	221 16 9	79 1 4	3,286 7 7	188	6,943 1 6
1891	1,765 3 0	398 15 6	449 1 9	593 14 0	589 1 6	281 4 3	61 15 6	4,138 15 6	159	7,603 2 0
1892	1,559 13 0	421 19 0	223 4 0	652 9 6	535 12 9	172 7 9	43 16 2	3,609 2 2	149	5,132 8 6
1893	1,423 15 0	445 0 0	207 12 9	620 18 6	505 9 0	196 14 6	42 6 0	3,441 15 9	139	6,297 9 0
1894	1,290 7 0	433 14 0	246 17 6	641 12 6	500 0 9	142 11 3	31 9 10	3,286 12 10	124	4,345 4 6
1895	1,268 10 0	414 5 0	213 13 3	566 6 0	467 18 0	180 14 0	24 11 4	3,135 17 7	155	5,470 7 0
1896	1,371 15 0	423 4 6	205 7 9	623 2 0	500 14 7	143 16 2	64 17 5	3,332 17 5	151	4,227 8 0
1897	1,510 14 0	533 11 6	258 12 9	584 1 0	553 4 3	179 4 10	90 5 10	3,709 14 2	176	5,821 12 6
1898	1,406 9 0	428 6 6	229 2 0	453 6 6	490 19 8	365 11 10	209 3 9	3,582 19 3	188	9,397 17 6
1899	1,363 5 0	458 11 0	166 1 3	482 13 6	493 0 0	197 0 9	375 14 3	3,536 5 9	172	8,089 2 6
1900	1,431 3 0	498 11 0	189 0 6	541 19 6	501 7 0	277 14 4	922 15 2	4,362 10 6	175	8,508 14 6
1901	1,419 16 0	517 11 6	158 19 3	570 12 6	515 9 0	257 12 10	625 12 7	4,065 13 8	239	7,669 17 0
1902	1,212 8 0	434 3 0	190 5 9	491 19 6	483 15 6	167 14 5	469 14 10	3,450 1 0	169	5,299 6 6
1903	1,259 15 0	482 19 0	201 15 6	487 17 0	505 9 9	221 6 6	428 15 8	3,587 18 5	215	6,968 1 6
1904	1,318 4 0	448 17 6	130 11 3	490 0 0	487 6 9	254 0 3	593 14 7	3,722 14 4	223	7,056 10 0
1905	1,361 10 0	440 17 6	130 12 0	530 11 6	506 6 3	206 17 11	713 1 8	3,889 16 10	247	6,173 0 3
1906	1,254 3 0	415 18 6	114 10 6	503 11 0	482 1 6	155 7 0	848 19 9	3,619 1 3	246	5,618 12 0
1907	1,065 17 0	331 15 6	101 6 3	400 12 0	432 9 9	140 7 10	535 18 2	3,008 6 6	181	4,446 3 6
1908	1,115 8 0	367 13 6	95 9 9	397 11 0	429 14 0	130 9 10	816 18 0	3,353 4 1	226	3,583 0 0
Total	48,998 8 0	13,190 4 0	9,362 14 3	16,803 4 0	17,169 17 1	11,278 13 8	7,586 14 2	125,244 8 2	8,377	284,264 2 3

BRITISH MUSEUM (NATURAL HISTORY)
PRESENTED 21 NOV 1910

FIFTY-SEVENTH

ANNUAL REPORT

OF THE COMMITTEE

OF THE

PUBLIC LIBRARIES,

MUSEUMS,

AND

ART GALLERY,

OF THE

CITY OF LIVERPOOL,

FOR THE YEAR ENDING 31ST DECEMBER, 1909.

LIVERPOOL:
C. TINLING & CO., LTD., PRINTING CONTRACTORS, 53, VICTORIA STREET.

1910.

BRITISH MUSEUM
NATURAL HISTORY

CENTRAL TECHNICAL SCHOOL, AND MUSEUM EXTENSION.

MUSEUM.

LIBRARY.
CENTRAL LENDING LIBRARY.
PATENTS LIBRARY.

REFERENCE LIBRARY.
PICTON LECTURE HALL.

WALKER ART GALLERY.

FIFTY-SEVENTH

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COMMITTEE AND OFFICERS

for the Year 1909-1910.

THE RIGHT HONOURABLE W. H. WILLIAMS,
LORD MAYOR.

Committee:

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RICHARD CATON, ESQ., J.P., M.D., LL.D., DEPUTY-CHAIRMAN.

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ALDERMAN J. N. STOLTERFOHT,
ALDERMAN E. WRAKE TURNER,
COLONEL W. HALL WALKER, M.P.

Chief Librarian
GEORGE T. SHAW.

Deputy-Librarian:
HENRY E. CURRAN.

Director of Museums:
HENRY O. FORBES, LL.D., F.R.G.S., F.R.A.Inst.

Assistant Curator of Lord Derby Museum:
JOSEPH A. CLUBB, D.Sc.

Assistant Curator of Mayer Museum:
P. ENTWISTLE.

Curator of the Walker Art Gallery:
E. RIMBAULT DIBDIN.

Assistant Curator, Walker Art Gallery:
ARTHUR G. QUIGLEY.

CHAIRMAN'S PREFACE.

The Reports in this Volume, from the Chief Librarian, the Director of Museums, and the Curator of the Art Gallery, are so full that little need be added here in regard to the detail work of these institutions. I hope they will be widely read, as they deserve to be, for they contain a very interesting summary of an immense amount of good work done on the literary, scientific and artistic side of the life of our city. Institutions which in a single year issue over 4½ millions of books and periodicals, provide Free Lectures for 100,000 people, and receive 836,000 visitors to Museums and Art Gallery, must be conferring substantial benefit, and be exercising a vast educational influence, on the community. It is gratifying to see some appreciation of this in the gifts made to them by the public. In addition to purchases, there were added by donations last year:—to the Museums nearly 13,000 separate specimens; to the Libraries over 500 books and publications; and to the Art Gallery 195 pictures, etchings, and other works of art.

But while we are grateful, we are still expectant. The earnest plea of the Curator for the extension of the Art Gallery will be found in his report. This is urgently needed, both in the interests of the public and of the pictures. Then again, further progress in the very desirable co-operation of the Museum Sub-Committee with the scientific experts of the University is difficult, until we can give them better facilities for instructing their students from the wealth of material either already in the Museums or which they are prepared to bring there. Here is a unique occasion, to be seized by some generous donor, a friend alike of the University and the City.

A complete re-arrangement of the administrative offices and staff of the Libraries would also promote efficiency and economy, as well as save the time of readers. The addition in recent years of many

Branch Libraries, all controlled from William Brown Street; the creation of the Central Depôt there in connection with them; the rapidly growing popularity of the Central Lending Library, and the consequent extension of its premises; the arrangements for 186 Free Lectures in 22 centres; all these have, on the one hand, greatly increased the work of the staff, and on the other, restricted the room they have for doing it. They are consequently scattered through the building, making organisation or control, on any economic system, impossible. The present Brown Reading Room could be easily adapted partly as a new Central Lending Library and partly for Cataloguing and Staff Rooms. The room is now used wholly by workingmen who come to read newspapers and periodicals, and what is needed is the provision of a new Reading Room in a more suitable position for them, say by the munificence of some generous citizen. Many more convenient sites could be found, to the mutual advantage of the readers and the libraries. May I venture to point out that, with the exception of the Hornby Bequest, there has been no gift to the City for literary purposes, from one of its own citizens for over 30 years. Here is the opportunity.

I hope the next report of the Committee will record the completion of the new Library Buildings at Sefton Park and Walton, and the new Reading Room in Stanley Road. A perusal of the present volume will show that the Committee's steady aim, in all its departments of work, is towards progress and improvement.

FRANK J. LESLIE,

CHAIRMAN.

LIBRARIAN'S REPORT.

The Chief Librarian, who was appointed to his office in May 1909, and commenced his duties on the first of June following, respectfully submits a report of the work of his department during the past year.

The appended tables of statistics shew the extent and variety of the work accomplished, and will bear favourable comparison with the statistics of preceding years. The total issues of volumes in the Reference and Lending Libraries amount to 3,032,825. In addition to that large number the estimated issues of periodicals in the Reading Rooms reached the total of 1,660,777, and 1,536,369 persons visited the rooms to read the newspapers.

The issues in the Picton Reading Room shew an increase which would undoubtedly have been larger if statistics could have been taken of the use of the books exhibited on the occasions of the Darwin, Tennyson, Johnson and Gladstone centenaries. There was also a large selection of books on Finance, Political Economy, and Constitutional History placed on open shelves in the Reference Library at the time when those subjects were occupying the attention of the public. The books were regularly used, and if they had not been thus placed at the disposal of the readers, many of them would have been applied for over the counter and included in the statistics of issues.

The decrease of issues in the Brown Reading Room is partly explained by the fact that the Room was closed for three weeks for painting.

The Staffs of the Reference and Branch Libraries were actively engaged for a period of four months in stock-taking, of which a report was submitted to the Committee in the Autumn.

For many years senior members of the Reference Library Staff have been so much occupied in organising Branch Libraries and compiling their catalogues that the Catalogue of the Reference Library had not received sufficient attention. A Sub-Committee was

appointed to consider the question and in accordance with their recommendations a special Cataloguing Staff has been re-formed. Additions will, henceforth, be dealt with when received, and the arrears will be worked off as speedily as possible. It has been decided to combine the three parts of the catalogue which are already in print, and all additions, in one alphabetical sequence. This is a very necessary work, but the labour will be great and several years must pass before copy will be ready for the printer. Meanwhile, by the substitution of a sheaf catalogue for the present card catalogue in the Picton Reading Room, students will receive the benefit of the change while the work is in progress.

The various departments of the Reference Library have been connected by telephone. This is a great convenience to all, but particularly to the users of the Picton Reading Room. The advantage of placing the assistants in that room, where so much varied information is hourly sought, in close connection with the cataloguing room must be obvious. The Chief Librarian hopefully looks forward to the time when structural alterations will be made which will enable the Cataloguing Staff to be removed to a room adjoining the Picton Reading Room.

The Reference Library, which was formerly closed at 2 p.m. every Friday, is now kept open until 6 p.m. This extension of hours has added to the convenience of a large number of readers in the Picton Reading Room and is highly appreciated by them.

The Brown Reading Room has been re-painted and decorated.

The total issue of books for home reading from the Lending Libraries shews a decrease of 3,631 volumes. For purposes of comparison the statistics of the issues from the Garston Library are not included, as that Library was only opened to the public on the 29th of May. But for a large increase in the issues to Juvenile borrowers, the decrease in the number of volumes issued from the Lending Libraries would have been more marked. The figures for the Central, Toxteth, and Everton Lending Libraries shew the serious decrease of 42,594 vols., of which 28,486 are recorded by the Central and 11,666 by the Everton Lending Libraries. These

statistics fully justify the thorough re-organization of the Central Lending Library which the Committee contemplate carrying out during the ensuing year. This Lending Library has over 7,000 readers on its books, and during the year issued 217,380 vols. It has the largest issue of any of the Branch Libraries; and its accommodation for both borrowers and stock is quite inadequate. At an early date necessary structural alterations to the room will be made, the staff increased, the books re-classified, and a new catalogue compiled. By these improvements it is hoped that the Library will, for the present, be able to meet the demand which it is evident the people of Liverpool expect it to supply.

The issues of Literature in Foreign Languages and Music shew the steady continuity of the demand which the past policy of the Committee has created and developed.

Towards the end of the year it was decided not to issue works of prose fiction within a year of their publication; the Committee, of course, reserving the right to make such exceptions as they might consider desirable. This delay in purchase will it is hoped enable the Committee to make a more thorough selection of novels, and at the same time prevent the acquisition and issue of any of an objectionable character.

The Committee are anxious to improve the condition of the stocks in all the Branch Libraries, and in accordance with their instructions more than five thousand volumes have been withdrawn as worn out and over four thousand new copies have been substituted for them. This work must necessarily be proceeded with slowly as the cost of renewing the stocks in so many libraries will make a serious drain on a limited income.

It is gratifying to be able to report a large increase in the issues to Juveniles (i.e. children between the ages of 9 and 14 years), 17,184 more books being issued for home reading than in the previous year. There was an increase of 6,135 in the number of borrowers. It is interesting to note that the increased issue to Juveniles in the Lending Department coincided with a decreased issue in the Juvenile Reading Rooms. In only one Library (West Derby) was there an

increased issue in both the Lending and Reading Room. In the Kirkdale Library where there was an increased issue of 2,353 in the Lending department there was a decrease of 2,749 in the Reading Room, while at Everton there was an increased demand in the Juvenile Reading Room to the extent of 5,822 volumes, and a decreased demand in the Lending Library to the extent of 5824 volumes. This general increase is almost entirely due to the welcome co-operation of the teachers in the elementary schools, and the assistance rendered by them to the children in the selection of books to be borrowed for home reading.

The Garston Branch Library, presented to the city by Dr. Andrew Carnegie, was formally opened by the Chairman of the Library, Museums, and Arts Committee (Councillor F. J. Leslie) on the 26th of May. During the following seven months nearly seventy thousand volumes were issued for home reading, and over ninety-six thousand volumes were issued in the reading rooms. These figures shew an appreciation of the library which fully justifies the expenditure of money and labour which its establishment entailed.

The Sefton Park Branch Library, which formerly was only open from 2 to 8 p.m. each day, has been opened for the same number of hours daily as the other Lending Libraries. This change together with the publication of a new catalogue has caused an increase in the issues therefrom.

The work of transforming the Rawdon Reading Room into a Lending Library and Reading Room was undertaken during the year and has since been completed. There is every indication that the rapidly increasing population of Anfield will make good use of the privileges thus provided.

The Committee are enabled by the generosity of Dr. Andrew Carnegie to proceed with the erection of new Library buildings for Walton and Fazakerley, and Sefton Park, and three new Reading Rooms. A site has been selected for the Sefton Park Library and the City Surveyor has prepared plans for a building, which have been approved. It has been decided to throw the designing of a building for the Walton and Fazakerley Library open for competition

amongst local architects. A site has been purchased for Reading Rooms in Stanley Road and the Surveyor has prepared plans for a suitable building which it is hoped will be ready for use about the end of the present year. Negotiations for sites for two Reading Rooms in other parts of the City are in progress.

The whole system of electric lighting in the Reference and Branch Libraries has been revised by a special Sub-Committee. There has been a thorough re-arrangement of the lights, and metal filament lamps have been generally substituted for the carbon filament lamps previously in use. The gas fittings have been removed from the Picton Reading Room and electric lamps substituted. The latter, however, have been connected to a separate main and can be confidently relied upon in case the arc lights fail. The results of these changes are increased efficiency and economy.

Towards the end of the year a Depôt was established in the Central Buildings wherein are stored specially selected books for circulation through the Lending Libraries. The Branch Libraries have now become so numerous and supply localities so widely differing in requirements, that the policy of purchasing books for them had to be reconsidered. It was therefore decided to maintain a stock of books at each Library suitable for the locality and to organize a Central Depôt from which each Library may borrow. The stock in the Depôt consists of Foreign Literature and books which are either too costly or not in sufficiently frequent demand to be placed in all the Branch Libraries. The Librarian in charge of the Depôt arranges interchanges of books between the libraries as the demands of readers necessitate, and as his department has been placed in telephonic communication with them, this can be done with the utmost expedition. It is intended to keep in the Depôt a manuscript catalogue of the contents of all the Branch Libraries in order that the interchange of books may be facilitated. A catalogue of books in the Depôt is also being compiled and printed copies will be distributed to all the Branch Libraries. The latter will also be regularly supplied with lists of additions to the Depôt. The use already made of this department has fully demonstrated its necessity and possibilities.

The Free Lectures continue to be appreciated. 186 lectures were provided of which 20 were for Juveniles. The total attendance was 99,995, shewing an average of 537 per lecture. The appended list of the lectures delivered shews the variety of subjects dealt with, and the efforts of the Committee by means of the Lectures to supply information on those subjects which are at the moment occupying public attention.

This report shows that the past year has been one of great activity. To efficiently discharge the multifarious duties connected with the administration of these Libraries, the hearty co-operation of every member of the staff is absolutely necessary. To the Deputy Librarian and all his colleagues the Chief Librarian tenders thanks for their loyalty and assistance so willingly extended to him when taking up the duties of his office.

TABLE I.

SUMMARY OF STATISTICS OF LIBRARIES DEPARTMENT.

	Volumes.	Prints Consulted.	Periodicals.	Newspaper Visitors.	Lecture Attendance.
Reference Library.					
PICTON READING ROOM:					
Volumes issued (General Literature and Reference works)—					
On application 218,148					
From open access shelves (approximate) 53,220					
Reference works from open access shelves (approximate) 34,017					
	305,385				
Current literary, scientific, and technical Reviews and Periodicals: from open access racks (approximate).....			123,998		
HUGH FREDERICK HORNBY LIBRARY:					
Volumes issued	1,556				
Prints consulted		4,934			
BROWN READING ROOM:					
Volumes issued: Biography, History, Travel, Popular Science, &c., from open access shelves 82,853					
Prose Fiction 54,898					
	137,751				
Current Popular Magazines and Periodicals, from open access rack (approximate)			218,303		
DIRECTORIES: Volumes issued from open access shelves (approximate)	172,768				
PATENTS DEPARTMENT: Specifications of Patents for Inventions	40,527				
NEWSPAPERS: Persons consulting current newspapers (approximate)				351,603	
NEWSPAPERS: Bound Volumes	7,085				
Totals—Reference Library.....	665,072	4,934	342,301	351,603	
Branch Libraries.					
VOLUMES ISSUED FROM LENDING DEPARTMENTS.					
Central 217,380					
Kensington Branch 205,718					
Toxteth Branch 188,682					
Kirkdale Branch..... 173,895					
Andrew Carnegie Branch..... 166,088					
Everton Branch 146,454					
Wavertree Branch 127,526					
Walton Branch 116,752					
Garston Branch (7 months)... 60,924					
Sefton Park Branch 85,230					
	1,488,649				

TABLE I.—*Continued.*

Libraries, etc.	Volumes.	Prints Consulted.	Periodicals.	Newspaper Visitors.	Lecture Attendance.
Branch Libraries.—*Brought forward*...	1,488,649				
VOLUMES, &C., USED IN BRANCH READING ROOMS.					
Toxteth—					
Volumes issued	170,029				
Magazines and Reviews			142,126		
Visitors to the Newspapers				233,536	
Everton—					
Volumes issued	135,617				
Magazines and Reviews			200,540		
Visitors to the Newspapers				159,162	
Kensington—					
Volumes issued	116,638				
Magazines and Reviews			148,711		
Visitors to the Newspapers				128,723	
Walton—					
Volumes issued	18,321				
Magazines and Reviews			59,852		
Visitors to the Newspapers				53,715	
Wavertree—					
Volumes issued	87,641				
Magazines and Reviews			197,912		
Visitors to the Newspapers				160,011	
Kirkdale—					
Volumes issued	101,605				
Magazines and Reviews			198,653		
Visitors to the Newspapers				97,974	
West Derby (Andrew Carnegie Library)—					
Volumes issued	109,804				
Magazines and Reviews			171,759		
Visitors to the Newspapers				88,832	
Garston (Andrew Carnegie Library)—					
Volumes issued	96,231				
Magazines and Reviews			97,030		
Visitors to the Newspapers				88,412	
Rawdon Library, Anfield—					
Volumes Issued	38,972				
Magazines and Reviews			96,040		
Visitors to the Newspapers				68,548	
Dryden Street Reading Room—					
Volumes issued	4,246				
Magazines and Reviews			5,853		
Visitors to the Newspapers				27,275	
Evening Reading Rooms (Chatsworth Street, E., and Stanley Road, N.)—					
Newspapers, Magazines, and Reviews...				78,583	
LECTURES (22 centres).					
Attendances—					
Picton Lecture Hall 28,981					
District Lecture Halls 71,014					99,995
Totals—Lending Libraries	2,367,753	—	1,318,476	1,184,766	—
Totals— Reference Library	665,072		342,301	351,603	—
Totals— ,, Prints		4,934			
Grand Totals	3,032,825	4,934	1,660,777	1,536,369	99,995

TABLE II.

Classification of volumes issued in the Reference Department.

Picton Reading Room and Brown Reading Room :—

	1909.	1908.
Theology, Morals, Metaphysics	22,559	21,893
Natural Philosophy, Mathematics, Physiology, &c. ...	28,169	29,742
Natural History	12,885	13,417
Fine and Industrial Arts 50,952	91,479	101,120
— Specifications of Patents 40,527		
History and Biography, &c.	56,740	62,030
Topography and Antiquities	16,415	21,653
Voyages and Travels, Gazetteers, Atlases	39,944	43,553
Collected Works, Essays, &c.	54,216	69,113
Jurisprudence, Law, Politics	12,809	14,096
Commerce, Political Economy. Social Science, &c. ...	26,349	27,222
Education and Language...	27,295	27,963
Poetry and Dramatic Literature	18,566	21,185
Prose Fiction	54,898	77,723
Latin and Greek Classics	4,293	4,494
Encyclopædias, Dictionaries, &c. 17,046	189,814	188,878
— Directories 172,768		
Newspapers: Bound Volumes	7,085	6,127
	663,516	730,209
Hugh Frederick Hornby Art Library :—		
Volumes Issued	1,556	870
Total	665,072	731,079

TABLE III.

Shewing the number and classification of works contained in the Reference Department:—

Theology, Morals, and Metaphysics	9,086
Natural Philosophy, Mathematics, &c.	4,274
Natural History	8,608
Fine and Industrial Arts	20,728
History and Biography, &c.	16,982
Topography and Antiquities	8,080
Voyages and Travels, Gazetteers, Atlases	7,257
Miscellaneous Literature (principally Collected Works, Essays, Reviews, Societies' Proceedings, &c., in volumes)	34,865
Jurisprudence, Law, Politics	12,093
Commerce, Political Economy, Social Science, &c.	4,754
Education and Language	2,779
Poetry and Dramatic Literature	5,134
Prose Fiction	5,412
Latin and Greek Classics and Translations	1,114
Encyclopædias and Works of General Reference...	5,820
Hugh Frederick Hornby Art Library	7,860
Total	154,846

TABLE IV.

Shewing the number and classification of volumes in the Lending Libraries and Reading Rooms.

Classification.	Central Lending Library.	Everton Branch.	Toxteth Branch.	Kensington Branch.	Walton Branch.	Sefton Park Branch.	Wavertree Branch.	Kirkdale Branch.	Andrew Carnegie Branch.	Garston Branch.	Rawdon Reading Room.	Dryden Street Reading Room.	Total.
Theology, Morals, &c.....	484	1,915	1,822	501	248	166	336	351	384	322	7	2	**6,538**
Natural Philosophy.....	561	716	721	537	328	195	335	333	286	225	4	1	**4,242**
Natural History	596	850	907	497	263	192	362	370	353	251	3	7	**4,651**
Fine and Industrial Arts	2,768	2,560	2,652	2,303	1,210	881	1,194	1,083	1,197	1,153	14	14	**17,029**
History and Biography ...	1,849	3,289	3,585	1,686	864	636	1,005	1,091	1,101	922	46	25	**16,099**
Topography, Antiquities	396	591	608	401	243	167	237	229	230	216	7	2	**3,327**
Voyages and Travels	801	1,505	1,568	679	479	439	524	557	554	531	33	19	**7,689**
Miscellaneous Literature	405	2,609	3,033	2,192	452	163	461	313	358	248	29	4	**10,267**
Jurisprudence, Law, &c....	163	217	180	149	82	68	118	129	130	125	2	2	**1,365**
Commerce, &c.....	464	658	646	449	247	155	239	268	270	238	4	2	**3,640**
Education, Language.....	210	394	386	194	150	115	175	217	191	173	10	1	**2,216**
Poetry and the Drama	285	606	667	330	122	99	133	168	189	177	15	2	**2,793**
Prose Fiction	6,550	7,614	7,371	6,040	5,303	4,142	3,708	4,675	4,925	2,889	289	50	**53,556**
Latin and Greek Classics	58	108	81	69	—	—	50	71	98	29	1	—	**565**
Books for the Blind.....	1,815	—	—	—	—	—	—	—	—	—	—	—	**1,815**
Books for the Young	—	3,356	3,043	2,805	—	—	1,397	2,980	2,418	1,644	—	—	**17,643**
Foreign Literature	344	—	—	—	—	—	—	—	—	—	—	—	**344**
Totals	17,749	26,988	27,270	18,832	9,991	7,418	10,274	12,835	12,684	9,143	464	131	**153,779**

TABLE V.

CENTRAL LENDING AND BRANCH LIBRARIES.

General Statistics.

Volumes issued, &c.	Central.	Everton Branch.	Toxteth Branch.	Kensington Branch.	Walton Branch.	Sefton Park Branch.	Wavertree Branch.	Kirkdale Branch.	Andrew Carnegie Branch.	Garston Branch.	Rawdon Reading Room.	Dryden St. Reading Room.	Total.
Volumes Issued.													
Lending Departments	217,380	146,454	188,682	205,718	116,752	85,230	127,526	173,895	166,088	60,924	—	—	1,488,649
General Reading Rooms	—	79,926	130,344	86,196	18,321	—	73,899	68,260	58,852	52,216	38,972	4,426	611,232
Ladies' Rooms	—	22,533	23,545	5,701	—	—	2,554	1,717	26,923	20,255	—	—	103,228
Children's Rooms	—	33,158	16,140	24,741	—	—	11,188	31,628	24,029	23,760	—	—	164,644
Total issued	217,380	282,071	358,711	322,356	135,073	85,230	215,167	275,500	275,892	157,155	38,972	4,426	2,367,753
Magazines Issued.													
General Reading Rooms	—	142,405	92,031	95,465	59,852	—	128,843	92,961	65,625	39,096	96,040	5,853	818,171
Ladies' Rooms	—	21,592	28,185	20,831	—	—	33,276	21,810	42,570	23,482	—	—	191,746
Children's Rooms	—	36,543	21,910	32,415	—	—	35,793	83,882	63,564	34,452	—	—	308,559
Total issued	—	200,540	142,126	148,711	59,852	—	197,912	198,653	171,759	97,030	96,040	5,853	1,318,476
Newspaper Readers.													
General Reading Rooms	—	150,441	199,036	115,385	53,715	—	147,238	95,354	76,740	76,320	68,543	27,275	1,010,047
Ladies' Rooms	—	8,721	34,500	13,338	—	—	12,773	2,620	12,092	12,092	—	—	96,136
Total readers	—	159,162	233,536	128,723	53,715	—	160,011	97,974	88,832	88,412	68,543	27,275	1,106,183
Tickets Issued.													
General	2,913	1,293	1,972	1,762	1,546	1,113	1,535	1,304	1,938	1,592	—	—	16,968
Total in use	6,031	2,617	3,987	3,608	3,072	2,097	2,976	2,345	3,448	1,592	—	—	31,773
Special for Students	532	120	168	128	135	210	145	115	226	242	—	—	2,021
Total in use	1,109	257	354	264	264	336	310	236	442	242	—	—	3,814
Juvenile	—	699	1,169	1,554	—	—	501	1,537	675	642	—	—	6,777
Total in use	—	1,276	1,692	2,308	—	—	730	2,572	1,007	642	—	—	10,227
Total New Tickets	3,445	2,112	3,309	3,444	1,681	1,323	2,181	2,956	2,839	2,476	—	—	25,766
Total Tickets in use	7,140	4,150	6,033	6,180	3,336	2,433	4,016	5,153	4,897	2,476	—	—	45,814
Books Lost.													
Lost or injured and paid for	26	21	23	23	10	6	8	34	13	2	—	—	166
Lending Departments	7	2	4	7	3	—	3	3	2	—	—	—	31
Reading Rooms	—	10	13	8	1	—	3	8	2	2	—	—	47
Volumes added, &c.													
Worn out and withdrawn	39	—	388	341	174	44	—	15	—	—	—	—	1,001
Worn out and replaced	732	457	703	823	264	429	141	236	319	—	—	—	4,104
Added	377	237	532	481	179	273	209	307	459	—	—	—	3,054
Total volumes in Libraries	17,749	26,988	27,270	18,832	9,991	7,418	10,274	12,835	12,684	9,143	464	131	153,779

TABLE

Shewing the classification of volume

Classification.	Lending Departments.									
	Central.	Everton Branch.	Toxteth Branch.	Kensington Branch.	Walton Branch.	Sefton Park Branch.	Wavertree Branch.	Kirkdale Branch.	Andrew Carnegie Branch.	Gar Bra
Theology, Ethics	3,028	2,293	2,230	1,226	807	670	1,127	1,426	1,319	
Physics, Mathematics...	4,028	1,664	1,951	1,820	1,676	830	1,839	1,753	1,687	
Natural History	3,328	2,101	2,015	3,005	1,052	855	2,074	2,729	2,174	
Arts: Fine, Industrial	21,960	7,640	9,335	10,454	6,731	4,205	6,758	8,592	10,035	4.
History, Biography.....	6,903	5,719	5,227	7,065	2,496	2,374	4,648	8,741	4,597	2.
Topography, Antiquities	2,866	658	929	687	1,735	748	956	938	962	2.
Voyages, Travels	4,512	2,839	3,604	4,239	1,834	2,261	3,674	4,447	3,814	1.
Collected Works	3,998	7,348	8,537	8,965	4,022	1,181	5,527	2,624	5,412	1.
Law, Politics	958	154	195	200	144	123	461	258	292	
Commerce, &c.....	3,535	1,305	1,547	1,245	1,057	653	1,009	1,034	1,132	
Education, Language. (	2,405	622	1,052	803	980	713	1,180	1,336	1,218	
Foreign Literature (	1,102	21	163	240	279	409	48	178	168	
Poetry, Drama.....	2,058	806	1,157	1,683	692	578	1,133	1,588	1,437	
Prose Fiction	155,240	112,959	150,373	163,724	93,217	69,589	96,538	137,746	131,372	45
Classics: Latin, Greek	451	214	237	199	—	—	461	324	438	
Books for Blind	1,008	111	130	163	30	41	93	181	31	
Totals	217,380	146,454	188,682	205,718	116,152	85,230	127,526	173,895	166,088	60

* Of this total 34,005 were volumes of Music

VI.

issued, including Juvenile Literature.

Total Home Reading.	Reading Rooms.											Total Issues
	Everton Branch.	Toxteth Branch.	Kensington Branch.	Walton Branch.	Wavertree Branch.	Kirkdale Branch.	Andrew Carnegie Branch.	†Garston Branch.	Rawdon Reading Room.	Dryden Street Reading Room.	Total Reading Rooms.	
1,584	4,421	8,509	4,451	147	2,386	1,172	1,632	1,806	332	153	25,009	39,593
7,853	4,161	9,385	4,053	412	6,231	1,280	4,056	2,011	387	130	32,106	49,959
0,274	7,333	6,553	5,132	300	2,115	2,720	3,813	6,695	443	151	35,255	55,529
0,439	12,457	21,131	10,782	1,394	5,958	9,571	12,458	11,860	531	303	86,445	*176,884
0,040	11,385	22,295	11,137	1,166	5,548	10,923	10,670	17,830	2,348	349	93,651	143,691
2,574	9,697	5,839	5,779	1,585	2,276	853	2,208	8,728	427	183	37,575	50,149
2,970	11,410	20,048	5,340	1,412	7,322	10,304	11,761	18,829	3,950	650	91,026	123,996
3,857	17,582	41,276	19,978	4,071	44,510	26,218	20,085	8,690	11,162	126	193,698	242,555
2,924	5,587	1,685	2,031	172	1,985	2,099	4,434	968	203	29	19,193	22,117
2,979	6,076	2,387	4,405	762	2,460	1,122	8,272	5,425	1,066	144	32,119	45,098
1,652	4,263	3,706	6,856	1,073	1,390	6,536	10,886	1,499	2,652	157	39,018	49,670
1,646	—	—	1	—	—	—	85	1	—	—	87	2,733
1,681	1,443	4,330	2,808	164	512	1,238	2,579	3,844	1,149	141	18,208	29,889
16,022	39,487	22,404	33,710	5,663	3,170	27,255	16,279	8,038	14,161	1,730	171,897	1,327,919
1,366	315	481	175	—	1,778	314	586	7	161	—	3,817	6,183
1,788	—	—	—	—	—	—	—	—	—	—	—	1,788
13,649	135,617	170,029	116,638	18,321	87,641	101,605	109,804	96,231	38,972	4,246	879,104	2,367,753

† For 7 months only. The Library opened on May 29th.

TABLE

Shewing the classification of

Classification.	Lending Departments.							
	Everton Branch.	Toxteth Branch.	Kensington Branch.	Wavertree Branch.	Kirkdale Branch.	Andrew Carnegie Branch.	Garston Branch.	Total for Home Reading
Religion	210	66	158	64	343	95	74	**1,010**
Natural Science	156	96	109	319	372	109	105	**1,266**
Natural History	1,029	519	1,618	757	1,632	656	488	**6,699**
Arts, Handicrafts, Amusements	747	952	1,986	1,221	2,985	1,598	830	**10,319**
History and Biography	2,277	853	3,124	1,414	5,946	1,498	923	**16,035**
Voyages and Travels	708	827	2,185	1,039	2,629	1,369	612	**9,369**
Miscellaneous Literature	297	690	2,643	1,226	1,405	1,002	2,196	**9,459**
Poetry	273	123	685	248	764	237	213	**2,543**
Tales and Stories	26,471	41,433	48,387	16,364	60,641	24,365	16,219	**233,880**
Totals	32,168	45,559	60,895	22,652	76,717	30,929	21,660	**290,580**

VII.

volumes issued to Juveniles.

Reading Rooms.								Total Issues.
Everton Branch.	Toxteth Branch.	Kensington Branch.	Wavertree Branch.	Kirkdale Branch.	Andrew Carnegie Branch.	Garston Branch.	Total for Reading Rooms.	
103	87	924	38	339	74	383	**1,948**	**2,958**
33	104	516	131	98	96	409	**1,387**	**2,653**
866	686	2,190	1,555	1,287	531	2,347	**9,462**	**16,161**
951	642	2,069	2,237	575	1,216	1,934	**9,624**	**19,943**
1,622	1,096	3,278	2,519	1,489	1,097	5,220	**16,321**	**32,356**
1,097	416	545	1,486	1,050	1,406	2,442	**8,442**	**17,811**
6,533	6,503	2,161	2,035	15,297	7,095	5,128	**44,752**	**54,211**
188	148	983	279	403	274	1,009	**3,284**	**5,827**
21,765	6,458	12,075	908	11,090	12,240	4,888	**69,424**	**303,304**
33,158	16,140	24,741	11,188	31,628	24,029	23,760	**164,644**	**455,224**

TABLE VIII.—Shewing classification of Borrowers.

Occupation.	Central.	Everton Branch.	Toxteth Branch.	Kensington Branch.	Walton Branch.	Sefton Park Branch.	Wavertree Branch.	Kirkdale Branch	Andrew Carnegie Branch.	Garston Branch.	Total
Architects and Builders	62	2	14	13	7	4	21	1	9	7	140
Artists and Draughtsmen	75	7	20	36	8	12	13	2	14	7	194
Bakers, Butchers, & Grocers	124	61	89	105	31	25	43	41	25	32	576
Boilermakers and Riveters	8	4	8	13	8	1	2	14	3	12	73
Bookbinders and Printers	139	35	23	49	19	9	20	22	8	—	324
Bookkeepers and Clerks	2,121	361	395	558	411	252	330	270	478	182	5,358
Boot and Shoe Makers	12	3	15	12	10	3	4	7	4	7	77
Box Makers	8	12	2	7	4	—	—	10	4	3	50
Brass, Iron, &c., Founders	54	5	17	31	2	3	3	12	2	8	137
Bricklayers and Slaters	18	15	10	16	10	2	14	12	—	2	99
Cabinet Makers	80	4	18	31	2	1	11	16	3	2	168
Carpenters and Joiners	48	23	35	68	34	14	38	26	24	22	332
Chemists and Druggists	44	5	23	24	9	6	18	6	7	11	153
Clergymen and Doctors, &c.	119	6	17	17	6	10	7	6	12	19	219
Coach Painters and Builders	26	5	11	20	6	2	6	4	5	3	88
Cooks and Waiters	52	13	20	34	14	4	3	8	7	6	161
Customs' Officers, Police, &c.	77	59	93	93	41	48	31	43	70	23	578
Domestic Servants	44	15	34	31	15	22	5	20	38	17	241
Dressmakers and Milliners	130	39	37	60	32	16	3	33	30	17	397
Engineers, and Machinists	176	57	94	74	79	31	54	70	78	104	817
Farmers and Gardeners	27	2	7	4	2	11	19	2	4	16	94
Firemen	20	6	10	16	12	—	12	8	12	10	106
Hairdressers	34	15	6	13	11	1	1	9	5	1	96
Ironmongers	20	—	4	8	5	3	6	2	1	5	54
Labourers	116	122	68	49	34	2	10	65	6	32	504
Licensed Victuallers, &c.	42	9	13	17	5	—	2	14	6	2	110
Mariners	20	17	19	15	8	5	8	17	7	6	122
Merchants and Brokers	87	11	15	16	13	8	23	9	29	24	235
Messengers and Office Boys	258	96	74	76	56	39	56	152	54	13	874
Music Teachers	27	10	5	11	6	1	4	2	7	3	76
Musicians	40	8	8	32	5	4	8	2	8	2	117
Nurses	29	3	22	9	16	9	4	12	26	10	140
Painters and Plumbers	45	43	31	42	19	9	25	25	23	18	280
Pattern Makers and Turners	20	9	12	11	9	6	2	12	5	4	90
Pawnbrokers	23	18	5	18	3	—	5	8	2	1	83
Schoolmasters and Teachers	230	143	154	181	162	138	134	154	254	46	1,596
Shipwrights and Riggers	69	6	14	5	11	3	—	17	2	15	142
Smiths	14	17	11	10	9	—	10	7	3	5	86
Students and Scholars	235	1,455	1,767	2,337	562	206	847	2,656	1,391	679	12,135
Tailors and Drapers	147	23	23	57	9	7	11	23	20	12	332
Telegraphists and Typists	136	21	45	57	43	24	26	28	35	8	423
Tobacconists	26	5	1	15	4	—	1	2	3	3	60
Warehousemen and Storekeepers	122	26	47	65	16	7	22	13	14	8	340
Watchmakers and Opticians	48	5	9	11	2	5	7	2	—	3	92
Miscellaneous	310	176	107	95	206	81	170	264	241	70	1,720
No occupation (principally females)	468	926	2,227	1,454	1,096	1,063	1,664	789	1,476	754	11,917
Student Ticket Holders	1,110	247	354	264	264	336	313	236	442	242	3,808
Totals	7,140	4,150	6,033	6,180	3,336	2,433	4,016	5,153	4,897	2,476	45,81

TABLE IX.—EVENING READING ROOMS.

	1909.		1908.	
	Attendance.	Average per Night.	Attendance.	Average per Night.
Chatsworth Street Council Schools.....303 Days	21,305	70	25,735	85
Stanley Road Council Schools .....303 ,,	57,918	191	51,558	169
Dryden Street.....303 ,,	26,635	87	22,865	75
	105,858	348	100,158	329

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During the year 186 Free Lectures were delivered, the total attendance being 99,995. Twenty of the Lectures were specially for children. Thirty Lectures were given in the Picton Lecture Hall, the remainder in the following 21 district halls, i.e.—

(1) Scotland Road (St. Martin's Hall); (2) Commercial Road (Crosby Home Mission Hall); (3) Kirkdale (Branch Library, Brock Street); (4) Walton (Wesleyan Hall, Harlech Street); (5) Walton (Corporation Baths, Queen's Drive); (6) Aintree (Aintree Institute, Longmoor Lane); (7) Everton (Branch Library); (8) Netherfield (St. Ambrose Mission Hall, Prince Edwin Street); (9) Anfield (Rawdon Reading Room, Breck Road); (10) Anfield (Council Schools, Anfield Road); (11) West Derby (Corporation Baths, Lister Drive); (12) West Derby (Council Schools, Lister Drive); (13) Knotty Ash (Village Hall, Prescot Road); (14) Kensington (Branch Library); (15) Wavertree (Town Hall); (16) Sefton Park (Gregson Institute, Garmoyle Road); (17) Edge Hill (Balfour Institute, Smithdown Road); (18) Garston (Corporation Baths); (19) Aigburth Vale (Girls' Secondary School); (20) St. Michael's (St. Michael's Church Room, Belgrave Road); (21) Toxteth (David Lewis Club, Great George Place).

LECTURERS AND SUBJECTS.

(Excepting where otherwise stated, the Lectures were illustrated by Lantern Views).

Lecturer.	Subject.	Halls.
Anderson, Rev. F. W., M.A.	"Constantinople and the Turks."	Garston.
Beer, Adolph W.	"Curiosities of forgotten England."	Knotty Ash.
,, ,,	"The Marches of Wales and Powysland."	Kirkdale.
Bellingham, Edgar	"Holland and the Dutch; or, the dead cities of the Zuyder Zee."	Picton.
,, ,,	"Spain, past and present."	Aintree.—David Lewis Club. —Everton.
Beynon, Richard	"The Port of Liverpool from the earliest times to the present."	Picton.
,, ,,	"The Ports of the World."...	Wavertree.
Bowron, Henry E.	"Mountaineering in Skye."	Council Schools, Lister Drive, West Derby.

Lecturer.	Subject.	Halls.
Budden, Charles W., M.D. ...	"With a caravan in the Scottish Highlands."	St. Michael's.—Baths, Walton.
Bullen, Frank T., F.R.G.S. ...	"Deep sea people at home."	David Lewis Club.—Garston. —Council Schools, Lister Drive, West Derby.— Picton.—Baths, Walton.
Cairns, W. Murray, M.B. ...	"Japan and the Japanese."	Balfour Institute, Smithdown Road
,, ,, ...	"Japan, our ally in the Far East: the evolution of a nation."	Knotty Ash.
Camburn, Claude F.	"Arctic Africa; or, to the glaciers of Equatoria."	Anfield.—David Lewis Club. —Picton.—Aigburth.
,, ,, ...	"In the land of the lion and the sun; or, pictures of Persia and its people."	Picton.—Baths, West Derby —Gregson Inst., Sefton Park.—Kensington.
Clarke, Samuel	"Famous songs of the British Isles," with vocal illustrations.	St. Ambrose Mission Hall, Everton.
,, ,, ...	"National anthems of Europe," with vocal illustrations.	Baths, Walton.
Coop, Rev. J. O., M.A.	"Malta, ancient and modern."	Aigburth Vale.
Cortie, Rev. A. L., S.J., F.R.A.S.	"Celestial evolution".....	Aigburth Vale.—Picton.
Dallman, Arthur A., F.C.S.	"Nature among the sand dunes."	Aintree.
De Wolf, Rev. R. B., M.A.	"The land of the Southern Cross; or, glimpses of Australia and New Zealand."	Anfield.
,, ,, ...	"Through Canada to the Rocky Mountains."	Crosby Home Mission Hall. —Kirkdale.
Dibdin, E. Rimbault, Curator, Walker Art Gallery.	"Art for the people"	Picton.
,, ,,	"To Sicily in search of sunlight."	St. Michael's.
Eastham, Richard	"Some beauties of Wirral, and some scenes and characters of the Liverpool District."	Wesleyan Hall, Walton.
Edwards, E. W.	"The ancient peoples and ancient civilization of Ceylon."	Balfour Inst., Smithdown Road.

Lecturer.	Subject.	Halls.
Elliot, Rev. W. A.	"From the Cape to Cairo: a journey through Africa from South to North."	St. Ambrose Mission Hall, Everton.—David Lewis Club.
Ellis, John W., M.B., F.E.S.	"Derbyshire days: wanderings among the Dales and Tors of the High Peak."	Aintree.
,, ,, ,,	"The River Mersey from the moors to the sea."	David Lewis Club.—St. Martin's Hall.
,, ,, ,,	"Some by-paths of Wirral history."	Picton.
Ellis, Somers H., M.INST.C.E.	"Eastern China: the experiences of an English resident."	Picton.—Wavertree.
Gaze, William E.....	"The story of the Soudan."	Gregson Inst., Sefton Park.—Kensington.—Kirkdale.—Baths, West Derby.
Gibson, Frank	"Over the Crimean battle-fields."	Anfield.—Kensington.—Council Schools, Lister Drive, West Derby.—Picton.
,, ,, ...	"Tommy Atkins, the soldier and the man."	Balfour Inst., Smithdown Road.—Garston.—Kirkdale.—Picton.
Gleeson, Rev. John, F.R.G.S.	"Germany of to-day." ...	Kirkdale.—Knotty Ash.
Graves, Alfred Perceval ...	"Manx folk-lore, music, and song"; with vocal illustrations.	Gregson Inst., Sefton Park.—Kensington.—Picton.
Green, C. Theodore, M.R.C.S., L.R.C.P., F.L.S.	"Nature study with the camera."	Aintree.
Grensted, Rev. Canon F. F., M.A.	"Life in ancient Assyria and Babylonia."	St. Michael's.
Hamilton, Rev. James, M.A.	"The Scottish Border: the country, people, legends, &c."	Balfour Inst., Smithdown Road.—Everton.
,, ,,	"Oliver Cromwell and his times."	Kensington.
Harris, Rev. Charles, M.A.	"Our English Cathedrals: their beauties, styles, and characteristics."	Knotty Ash.
Harvey, William	"With a camera in Switzerland and Italy."	Everton.
Heatherley, Dr. Francis ...	"Birds I have met"	Wavertree.

Lecturer.	Subject.	Halls.
Holland, C. Thurstan, M.R.C.S., F.R.P.S.	"Switzerland: the country, people, and mountain scenery."	Knotty Ash.—Baths, West Derby.
,, ,,	"X-rays and their uses" ...	Aigburth.—Picton.
Howdill, Charles B., A.R.I.B.A.	"Servia and its people" ...	Crosby Home Mission Hall.—St. Martin's Hall.—Wavertree.
Hunterberg, Max	"Russia and the Russian people."	Rawdon Reading Room.
Jackson, J. Hampden	"The Temples of Egypt, Chaldea, Palestine, and Greece: their splendour, and the sources of their wealth."	St. Michael's.
Jones, Lewis	"The birds of Hilbre Island."	Balfour Inst., Smithdown Road—Garston.—St. Michael's.
Kempthorne, Rev. Canon J. A., M.A.	"With a kodak through Greece."	Picton.
Kennedy, John	"The Indian Mutiny."	Crosby Home Mission Hall.
,, ,, ...	"The romance of steam navigation."	Kensington.—Wavertree.
,, ,, ...	"The world's carriers, past and present; or, methods of transport in all lands."	Garston.—Picton.
King, William, M.INST. C.E., J.P.	"Among the Pagodas of Burma: 1,200 miles on the Irrawaddy River."	Picton.
Lambert, Frederick, F.R.G.S.	"On a tramp steamer in Adriatic and Sicilian waters."	David Lewis Club.—Aigburth Vale.—Walton.
Lund, Rev. T. W. M., M.A.	"By-ways of beauty and art in France."	St. Michael's.
,, ,,	"The Italian Lakes: their scenery, art and archaeology."	St. Michael's.
,, ,,	"Switzerland from within."	Picton.
,, ,,	"A thousand miles through France on a bicycle."	Aintree.

Lecturer.	Subject.	Halls.
McCullagh, Rev. H. H., B.A.	"Beethoven and his music;" with musical illustrations.	Balfour Inst., Smithdown Road.
,, ,,	"Mendelssohn: a centenary celebration," with musical illustrations.	Picton.
,, ,,	"Strange stories of great musicians," with musical illustrations."	Garston.
McPherson, Rev. D. P., B.D.	"America: the country and the people."	Wesleyan Hall, Walton.
Marchant, Prof. E. W., D.SC.	"Electric heating and welding," with experiments, &c.	Picton.
Moffett, T.	"The Far West of America."	St. Martin's Hall.
,,	"Morocco, the land of the setting sun."	Aintree.
,,	"The northern capitals of Europe."	Crosby Home Mission Hall.
Moir, James, B.SC.	"Colour and colour photography," with experiments, &c.	Anfield.—Kirkdale.
Morgan, Llewellyn, M.D.	"Through East Anglia with a camera."	Knotty Ash.
Neill, Daniel J.	"The Lady of the Lake country, Western Scotland."	St. Michael's.
,, ,,	"Rivers, glens, and waterfalls of Scotland."	Crosby Mission Home Hall.—St. Ambrose Mission Hall, Everton.
Nicholas, Rev. T. F., M.A.	"Rome: Ancient, Christian. Mediaeval and Modern."	Garston.—Knotty Ash.—Picton.—Wavertree.
Northcote, Henry F.	"The wonders of plant life."	Balfour Inst., Smithdown Road.
O'Connor, Miss Madeleine	"Irish fairy songs and tales," with vocal illustrations by the Lecturer.	Aigburth Vale.—St. Martin's Hall.—Wavertree.—Picton.
O'Mahony, Michael	"James Clarence Mangan: the man and his works." with vocal illustrations, &c.	Picton.
,, ,,	"The river-side scenery of South-eastern Ireland," with vocal illustrations, &c.	Gregson Inst., Sefton Park.
,, ,,	"Songs and their kindred," with vocal illustrations.	Picton.—St. Martin's Hall.

Lecturer.	Subject.	Halls.
Pearson, Dr. J., F.L.S.	"Animal life in the deep sea."	Kensington.
Priest, Councillor W. H. ...	"Wanderings in Egypt. Syria, and along the banks of the Suez Canal."	Rawdon Reading Room.
Rathbone, Edmund	"The City Beautiful; or, Liverpool compared with cities old and modern."	Picton.
Roberts, Miss E.	"Welsh music and song," with musical illustrations.	Aintree.—Crosby Home Mission Hall.
Saxby, Fred. W.	"The wonders of light," with experiments, &c.	Gregson Inst., Sefton Park—David Lewis Club.
Seddon, F. H.	"The science of song," with vocal illustrations.	Gregson Inst., Sefton Park—Rawdon Reading Room.—Baths, West Derby.
Soper, Richard F.	"Ludlow and the Marches of Wales."	Kensington.
State, J. Milton	"Through the South African War with the Canadian contingent."	Kirkdale.
Summers, Frederick	"Iceland: the country, people, customs, &c."	Baths, Walton.
Thompson, George E., F.R.P.S.	"Down a French River; or, the gorges of the River Ardèche."	Gregson Inst., Sefton Park.—Rawdon Reading Room.
Tillemont-Thomason, F. E., C.E., F.PH.S.	"The wealth and glories of the West Indies."	Picton.—St. Ambrose Mission Hall, Everton.—St. Martin's Hall.—Wavertree.—Wesleyan Hall, Walton.
Tillemont-Thomason, Mrs....	"Water-ways and waterfalls of the British Empire."	Aigburth Vale.—Aintree.—David Lewis Club.
Tonge, James, M.INST.C.E., F.G.S.	"Coal mining and miners."	St. Martin's Hall.
Walshe, Rev. T. J.	"With Ruskin in France and Italy."	Picton.
Whitaker, Trevor	"Afoot with a camera in the English Lake District."	Crosby Home Mission Hall.
,, ,, ...	"With a camera in the valley of the Wye."	Garston.

Lecturer.	Subject.	Halls.
Wilberforce, Professor L. R., M.A.	"Flying Machines," with experiments, &c.	Picton.
Wilson, Miss Mary	"North country folk songs," with vocal illustrations by the Lecturer.	Picton.
Woods, W. Smith	"How to listen to music," with musical illustrations.	Aigburth Vale.—Council Schools, Lister Drive, West Derby.
Yardley, Walker R., L.C.P.	"Nelson and his daring deeds."	Crosby Home Mission Hall.
,, ,,	"Shakespeare and his times."	Kirkdale.—Gregson Inst., Sefton Park.
Young, Harold E.	"Rambles and scrambles on the Pacific Slope, and in the Yellowstone Regions of the Far West."	Knotty Ash.—Picton.
,, ,, ...	"A wayfarer in rural Japan."	Everton.—St. Martin's Hall.
	LECTURES TO CHILDREN.	
Beynon, Richard, ...	"The Port of Liverpool and the great ships that sail from the River Mersey."	Garston.
Cairns, W. Murray, M.B. ...	"Little folk of far Eastern Lands."	St. Martin's Hall.
,, ,,	"Little pigtails and small Kimonos; or, 'the Happy New Year' in China and Japan."	Rawdon Reading Room.
Coop, Rev. J. O., M.A.	"The great Duke of Wellington and his victories."	St. Ambrose Mission Hall, Everton.
,, ,, ...	"The Victoria Cross and the men who have won it."	Aintree.
Crowther, Henry, F.R.M.S.	"Hero tales of Ancient Greece."	Kensington.
Gidman, George H.....	"General Gordon and what he did for England in the East."	Baths, West Derby.—Aintree.—Gregson Inst., Sefton Park.—Kensington.
Grensted, Rev. Canon F. F., M.A.	"The lost Empires of the East; or, Assyria, Babylon, and Egypt as they were in the days of their greatness."	Council Schools, Lister Drive, West Derby.

Lecturer.	Subject.	Halls.
Hamilton, Rev. James, M.A.	"England in the days of the Spanish Armada."	Garston.—Kirkdale.—Wavertree.
Harris, Rev. Charles, M.A....	"Stories about the Vikings."	Everton.
Heatherley, Dr. Francis ...	"Tales of the birds I have met."	Anfield.—Kirkdale.
Kennedy, John	"The tale of the Indian Mutiny."	Gregson Inst., Sefton Park.
Nicholas, Rev. T. F., M.A. ...	"France's greatest city: Paris and what is to be seen there."	Wavertree.
Scotter, R. H., C.E.....	"Life in many lands; or, how people live in foreign parts, and what their countries are like."	St. Martin's Hall.

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Cetacea); Introduction to the study of rocks; Introduction to the study of meteorites; Illustrations of African blood-sucking flies other than mosquitoes and tsetse-flies, by E. E. Austen; Hand-list of the genera and species of birds, by R. B. Sharpe, LL.D., v. 5; Catalogue of the cretaceous bryozoa, by J. W. Gregory, D.Sc., &c., v. 2; Memorials of Charles Darwin (Special Guide, No. 4); Medallic illustrations of the history of Great Britain and Ireland, plates 71-110.

Mrs. Davidson:—

Hugo Grotius: De veritate religionis Christianæ. Ed. nova. Amstelodami, ex Officina Elzeviriana, 1662; 1,000 quaint cuts, Leadenhall Press; The Stranger in Liverpool, 10th ed. 1831; and 27 other volumes.

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Collotype facsimile and type transcript of an Elizabethan manuscript preserved at Alnwick Castle, Northumberland, transcribed and edited with notes and introduction by Frank J. Burgoyne. 1904.

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Catalogue of the manuscripts in the library of the Hunterian Museum in the University of Glasgow, by John Young and P. Henderson Aitken. 1908.

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Books for the Blind in Braille type, 65 v.

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Catalogue of the Coptic manuscripts in the collection of the John Rylands Library, Manchester, by W. E. Crum. 1909;

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National Antarctic Expedition, 1901-1904, Magnetic Observations; Philosophical Transactions, Series A: v. 208-209, Series B: v. 200; Proceedings, Series A: Nos. 550-560, Series B: Nos. 544-552; Report to the Evolution Committee, No. 4; Year Book, 1909.

CITY OF NEW YORK ART COMMISSION:—

Catalogue of the works of art belonging to the City of New York. Illustrated.

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UNITED STATES GOVERNMENT:—

Report of the Commissioner of Education, 1907-1909, 5 v.; Administrative Reports, 1908, 2 v.; and 528 other Reports, Bulletins, Circulars, &c.

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E. T. Pearson.
Frederick W. Penny.
Home for the Training in Speech of Deaf Children, Philadelphia.
Philippine Islands, Ethnological Survey, Manila.
Phillipson and Golder.
Lieut.-Col. John Pilkington, F.S.A.
Sir Isaac Pitman and Sons.
College of Preceptors.
Robert L. Pughe, Esq.
Queen's College.
Agent-General for Queensland.
Government Printing Office, Rangoon.
The late T. Mellard Reade, C.E., F.G.S.
Selmar Reitzenbaum.
Religious Tract Soc.
Research Defence Soc.
Ralph Richardson, F.R.S.E., F.S.A.
Royal Astronomical Soc.
Royal College of Physicians.
Royal College of Surgeons.
Royal Cornwall Polytechnic Soc.
Royal Dublin Soc.
Hungarian Minister of Agriculture.
Royal Inst. of British Architects.
Royal Irish Academy.
Royal National Lifeboat Inst.
Royal Society of Canada.
Royal Society of Victoria.
Royal University of Ireland.
St. Louis Merchants' Exchange.
Salvation Army.
Society of Antiquaries of London.
Society of Antiquaries of Scotland.
Self-help Emigration Soc.
Sell's Advertising Agency.
A. Capel Shaw.
J. W. Singleton.
Soc. for the Propagation of the Gospel in Foreign Parts
South American Missionary Soc.
Southport Corporation.
Mme. Soyez-Leroy.
Spink and Sons.
Ronald Stewart-Brown, M.A.
William Stigand.
Stonyhurst College Observatory.
Stubbs Publishing Co.
Sudbury Traders' Assoc.
Consul for Sweden.
Swedenborg Soc.

Sydney University,
Tariff Reform League.
Agent-General for Tasmania
National Union of Teachers.
Theosophical Publishing Co.
Alexander, Thom and Co.
Tonic Sol-fa College.
Town and Counties Directories, Ltd.
United States Consul, Liverpool.
United Gas Light Co.
United States Naval Observatory.
Universal Cookery and Food Assoc.
University College of North Wales, Bangor.
University College of South Wales and Monmouthshire, Cardiff.
University College of Wales, Aberystwyth.
University Correspondence College.
University of Wales, Cardiff.
Vancouver Board of Trade.
J. W. Vickers and Co.
Agent-General for Victoria.
Agent-General for Western Australia.
West of Scotland Agricultural College.
G. H. A. Westby.
Oscar Whittaker.
George Whittick.
Ernest E. Williams.
Wirral Railway Co.
Wisconsin Geological and Natural History Survey.
State Historic Soc. of Wisconsin.
John Wilcock, B.D.
Wilmer Bros.
Zoological Soc. of London,

LIBRARIES.

Reports, &c., have been received from the following:—

Aberdeen.
Ashton-under-Lyne.
Aston Manor.
Adelaide, S. Australia.
Enoch Pratt, Baltimore.
Peabody Inst., Baltimore.
Barry.
Mayer Trust, Bebington.
Birmingham.
Blackburn.
Bodleian Library, Oxford.
Bolton.
Bootle.
Boston, U.S.A.
Bournemouth.
Bradford.
Brighton.
Bristol.
Bromley.
Brookline, Mass.
Fletcher, Burlington, U.S.A.
Bury.
Buxton.
Camberwell.
Cambridge.
Cambridge University.
Cardiff.
Chelsea.
Cheltenham.
John Crerar, Chicago.
Municipal Library, Chicago.
Chorley.
Cincinnati.
Cleveland.
Royal Library, Copenhagen.
Derby.
Dundee.
Great Yarmouth.
Hammersmith.
Handsworth.
Harvard University, U.S.A.
Hereford.
Hornsey.
Hove.
Howard Memorial Library, New Orleans.
Ipswich.
Jersey City.
Johannesburg.
Kensal Rise.
Kettering.
Kidderminster.
Leeds.
Leicester.
Lincoln.
Liverpool (Lyceum) Library.
Los Angelos, California.
John Rylands Library, Manchester.
Manchester Free Public Libraries.
Grand Rapids, Michigan.
Middlesborough.
Milwaukee.
Montrose.
New South Wales (Sydney).
New York Mercantile.
New York Public.
Newcastle-under-Lyme.
Newcastle-upon-Tyne.
Newton, Mass.
Nottingham.
Osaka, Japan.
Patterson, N.J.
Friends', Germantown, Philadelphia.
Public Library, Philadelphia.
Plymouth.
Portsmouth.
Preston.
Providence, Rhode Island.
Rawtenstall.
Richmond.
National Library, Rio de Janeiro.
Rochdale.
Runcorn.
St. Helens.
St. Louis Public Library.
St. Louis Mercantile Association.
Salem, Mass.
Salford.
Shoreditch.
South Shields.
Southwark.
Stockport,
Stoke Newington.
Imperial Library, Tokyo, Japan.
Toronto.
Tottenham.
Tynemouth.
Victoria, Australia.
Walthamstow.
Wandsworth.
Library of Congress, Washington.
Waterloo-with-Seaforth.
West Bromwich,
Westminster.
Widnes.
Wigan.
Willesden Green.
Windsor, Canada.
Wolverhampton.
Worcester.
Worcester, Mass.
Workington.
York.

LIVERPOOL INSTITUTIONS AND SOCIETIES.

Reports have been received from the following :—

Amateur Photographic Assoc.
Architectural Society.
Auxiliary Bible Society.
Father Berry's Home.
Biological Society.
Blue Coat Hospital.
Boys' Brigade.
British Order of Ancient Free Gardeners' Friendly Soc. (Mersey District).
Catholic Inst.
Catholic Publishing Co.
Catholic Young Men's Soc.
Central Relief and Charity Organisation Soc.
Children's Country Holiday Fund.
Church of England Scripture Readers' Soc.
Clerical Society.
Clerks' Association.
David Lewis Northern Hospital.
Deaf and Dumb School.
Dental Hospital.
District Provident Soc.
Engineering Society.
Eye and Ear Infirmary.
Financial Reform Assoc.
Food and Betterment Assoc.
Soc. of Friends of Foreigners in Distress.
Geological Assoc.
Geological Society.
Hospital Saturday and Sunday Fund.
Incorporated Chamber of Commerce.
Insurance Inst.
Bishop of Liverpool's Fund.
Liverpool Dispensaries.
Liverpool University.
Medical Inst.
Mersey Mission to Seamen.
Microscopical Society.
Naturalists' Field Club.
Asylum for Orphan Boys.
Female Orphan Asylum.
Peace Society.
Penny Savings Bank Assoc.
Philharmonic Society.
Royal National Lifeboat Inst.
Royal Society for the Prevention of Cruelty to Animals.
Sailors' Home.
Savings Bank.
Shipwreck and Humane Society.
Sunday School Union.
Training School of Cookery.
Training Ship 'Indefatigable.'
Workshops for Outdoor Blind.
Young Men's Christian Assoc.

The following Periodicals, Newspapers, &c., and others, have been regularly presented :—

Accountant
American Museum Journal
Australian Official Journal of Patents
Board of Trade Journal
British Architect
Canadian Patent Office Record
Clerk of Works' Association Journal
Commercial Motor
Daily Dispatch
Decorator
Decorators' and Painters' Magazine
Domestic Engineering
Educational Times
Electrician
Englishwoman's Review
Esmeduna
Estates Gazette
Gaelic Journal
Gregg Writer
Guild Gazette
Gwalia
Hereford Times
Homœopathic World
Horological Journal
Incorporated Accountants' Journal
Incorporated Society of Musicians, Journal of
Investors' Guardian
Irish Times
Labour Gazette
Life-boat
Liverpool Catholic Times
Liverpool Courier (daily and weekly)
Liverpool Diocesan Gazette
Liverpool Echo
Liverpool Express
Liverpool Institute Schools Magazine
Liverpool Journal of Commerce
Liverpool Mercury (daily and weekly)
Liverpool Porcupine
Liverpool Post (daily and weekly)
Liverpool Y.M.C.A. Journal
Local Government Chronicle
Local Government Officer
Locomotive Journal
Mariner
Master Builders' Association Journal
Milling
Mona's Herald
Motor
Motor Boat
Motor Cycle
Motor Traction
Musical Herald
National Service Journal
New Church Magazine

New Ireland Review
Northampton Mercury
Oddfellows' Magazine
Official Journal of the Patent Office
Our Programme
Paper Maker
Patents
Petroleum Review
Positivist Review
Preston Herald
Printers' Register
Railway Review
Reports of Patents, Design, and Trade Mark Cases
Sanitary Record
Script Phonographic Journal
Shipping World
Social Democrat
Socialist Standard
Society of Chemical Industry: Journal
Sphinx
Stationer, Printer, and Fancy Trades Register
Stationery World
Stonyhurst Magazine
Students' Journal
Timber News
Timber Trades Journal
Trade Marks Journal
University Correspondent
Wallaseyan
West African Mail
Western Daily Press
Zoophilist

GEORGE T. SHAW,

CHIEF LIBRARIAN.

THE MUSEUMS.

The Director of Museums furnishes the Fifty-seventh Annual Report upon the CONDUCT and PROGRESS of the Museums.

I.—GENERAL.

Since 1896, a period of fourteen years, 88,348 specimens of Natural History and 11,371 specimens of Ethnography, totalling nearly 100,000 specimens, have been added to the collection, or an average of over 7,000 additions per year.

The following table shows the total number of visitors to the Museums during the year, compared with that of the year 1908:—

	1908. (264 Days.)	1909. (261 Days.)
Total Visitors	464,443	453,164
Weekly Average	8,931	8,714
Daily Average	1,759	1,736

The attendance of school children under the charge of teachers has continued, and the latter have availed themselves of the clause in the Education Code whereby time devoted to instruction in Museums reckons as school attendance. School teachers make frequent use of the Museum theatre to give special lessons to their pupils—specimens being brought from the Museum cases for illustrating them.

Twenty-five lectures were delivered by members of the Staff and others on Monday evenings in the lecture theatre of the Museums, specially dealing with the various collections in the Institution. They were illustrated by specimens and by lantern slides. The number of visitors to the Museums on these Monday evenings totals 11,941, of whom a large percentage attend the various lectures.

A. LORD DERBY MUSEUM.

Zoological Department.

(*a*) General.

Several dredging excursions have been undertaken during the year to the estuary of the Mersey and the Irish Sea, for the purpose of obtaining specimens for the local collection of Marine Fauna. Through the kindness of the Sanitary Sub-Committee, the City Engineer's Department gave permission for the Director to occasionally place members of the Staff on board the "Beta," when on its periodic visits to the "Deposit Grounds" near the N.W. Lightship.

The Science Cabinets, containing properly identified and labelled specimens on selected subjects, have been distributed to the various Elementary Schools in the City as in former years. Some 40,000 children of the schools of the city are thus reached monthly by these cabinets.

In the carpenters' shops, in addition to the ordinary repairs and fittings, numerous cases have been made, both for the Lord Derby and the Mayer Museums. All case fittings, many stands, many fittings in Aquarium, as well as a large number of miscellaneous appliances for the exhibition of specimens, have also been devised and constructed.

(*b*) Conservation.

All the collections on exhibition have, as far as the great pressure on the Staff has permitted, been periodically examined and kept in proper condition.

(*c*) Acquisitions.

INVERTEBRATES—

Protozoa.

Presented:

Six ciliate Infusorians (*Ophryidium versatile*), from Dounby, Orkney Islands; by Mr. Geo. Ellison, Loudon Grove, Liverpool.

Cœlenterata.

Presented:

Hydrozoon, from the North Sea, and three sheets of dried Zoophytes from Orkney; by Mr. Geo. Ellison.

Polyzoa.

Presented:

Nine sheets of dried Polyzoa (*Flustra sp.*, &c.), from Orkney; by Mr. Geo. Ellison.

Vermes.

Presented:

Sea Mouse (*Aphrodite aculeatus*), from Orkney; by Mr. Geo. Ellison.

Arthropoda.

Crustacea.

Presented:

Mass of Barnacles (*Lepas anatifera*), from the North Sea; by Mr. Geo. Ellison.

Two Lobsters (*Homarus vulgaris*), blue var., from Moneymore, Lurgan, Ireland; by Mr. G. Blanchard, Wholesale Fish Market, Liverpool.

Tracheata.

Presented:

Moth, Butterfly, Mole Cricket and two Hemipterous Insects; by Mr. Eric Hamilton, 92, Huskisson Street, Liverpool.

Beetle, from Degama, New Calabar, West Africa; by Mr. Sterling Pope, per Mr. A. Ridyard.

Larva of Rose-chafer Beetle (*Cetonia aurata*); by Mr. T. O. Hirst, Ph.D., Gateacre, Liverpool.

Two Beetles from Koko Town, Benin, and an Insect from Conakry, West Africa; by Mr. A. Ridyard, S.S. "Tarquah," of the Elder, Dempster Line.

Centipede, from Para, South America; by Mr. R. Hughes, Seacombe, Cheshire.

Five Arachnid Parasites; by Professor A. M. Paterson, M.D.

Mangrove Caterpillar, from Rio del Rey; by Mr. A. A. Albers, c/o Messrs. W. D. Wooding & Co., Rio del Rey.

Forest Bug (*Pentatomus sp.*), from Pwll Glas, near Ruthin, North Wales; by Miss Jenny F. Bragg, Hoylake.

Saw-fly (*Sirex sp.*), from timber strut in use in Wigan coalmine; by Mr. G. Howarth, Wigan Coal and Iron Co.

Dragon-fly; by Mr. Thomas Grey, 52, Watkinson Street, Liverpool.

Three Sea-spiders (*Nymphon sp.*), from the North Sea; by Mr. Geo. Ellison.

Wasp's Nest, from British Guiana; by Sir Rubert Boyce, F.R.S.

Twelve Butterflies; by the Rev. Stuart O. Ridley, Scarisbrick Rectory, Lancashire.

Spider, from Siluko, Southern Nigeria; by Mr. Cyril Talboys, Siluko.

Purchased:

Small collection of 97 specimens of Lepidoptera, &c., from South America.

Mollusca.

Presented:

Sixty-six Shells (*Helix virgata* and *H. caperata*), from Ryde, Isle of Wight; by Lt.-Col. Worthington Wilmer, Lothian House, Ryde.

Two masses of Whelk Spawn, from the estuary of the River Mersey; by Capt. Griffiths, S.H.B. "Beta."

Land Shell from West Africa; by Mr. Cyril Talboys, 42, Cable Road, Hoylake.

Fishes.

Presented:

Toad Fish (*Malthe vespertilio*), from off Maranhao, North Brazil; by Mr. J. Moon, Penyvoel House, Llanymynech, Mont. S.O.

Two Golden Orfe (*Leuciscus idus*); by Mr. Roger Leslie, Hillside, Knowsley.

Carp (*Cyprinus carpio*), from Prince's Park Lake; by the Curator of the Park, per Mr. Geo. Ellison, Loudon Grove, Liverpool.

Shark (*Centrina salviana*) and six young, from off the South coast of Ireland; by Mr. J. Manning, Head Master, St. Michael's School.

Jaws of Shark and Tail of Stinging Ray, from Keta, Gold Coast, West Africa; by Mr. A. Ridyard, S.S. "Tarquah," Elder, Dempster Line.

Tench (*Tinca vulgaris*), from Wirral, Cheshire; by Mr. Beynon, Cunard Company, Liverpool.

Ninety-two Walking Fish (*Periophthalmus koelreuteri*) (34 living) from Forcados, West Africa; by Mr. T. W. Christian, per Mr. A. Ridyard.

Hag Fish (*Myxine glutinosa*), and two fishes (*Synaphobranchus sp.*, *Macrurus sp.*), from the neighbourhood of the Faroe Islands; by Mr. Geo. Ellison, Loudon Grove, Liverpool.

Pike (*Esox lucius*), from Ince Blundell; by Mr. T. Owen, Roscommon Street Schools, Liverpool.

Amphibia.

Presented:

Green Tree-Frog, from Grand Canary; by Mr. Charles Wright, Queen Square, Liverpool.

Reptiles.

Presented:

Serrated Terrapin (*Chrysemys scripta, var. rugosa*), from Honduras; Blind Worm (*Anguis fragilis*), and a Sand Lizard (*Lacerta agilis*); by Mr. Roger Leslie, Hillside, Knowsley.

Tortoise (*Testudo ibera*); by Mrs. Anderson, 137, Victoria Road, New Brighton.

Boa Constrictor, Indian Python (*Python molurus*), Snake (*indet.*), and two African Crocodiles; by Mr. Holmes Seward, Naturalist, Manchester Street, Liverpool.

Two Green Lizards (*Lacerta viridis*), from Jersey; by Mr. J. C. Gibbs, 5, Ball Avenue, New Brighton.

Hawk-billed Turtle (Young) (*Chelone imbricata*),taken living from the Huskisson Dock, Liverpool (probably thrown in from a ship); by Mr. T. Louttit, 27, Charlecote Street, Dingle, Liverpool.

Chamæleon, from Alexandria; by Mr. E. J. Michael, 10, Pengwern Street, Liverpool.

African Monitor Lizard; by Mr. Lochhead, of S.S. "Aburri."

Florida Tortoise (*Testuda polyphemus*); by Mr. A. Audus, 17, Palmerston Drive, Litherland, Liverpool.

Three Fresh-water Terrapins (*Podocnemis sp.*), from the Ucayali River, Central Peru; by Mr. J. King, 20, Gwendoline Street, Liverpool.

West African Crocodile, from Lagos, West Africa; by Mr. A. Rawsthorne, 24, Olivia Street, Bootle.

Two Skinks; by Mr. Albert Brook, 2, St. Anne Street, Liverpool.

Purchased:

One Gecko.

Birds.

Presented:

Tropic Bird, from Minokoi; by Commander J. Macnab, R.N.R., Irvins Terrace, New Ferry, Cheshire.

Burmeister's Cariama (*Cariama burmeisteri*) ♀, Blue-fronted Amazon Parrot, Spur-winged Goose (*Plectropterus gambensis*), Black-necked Goose (*Cygnus melanocoryphus*), Sheldrake (*Tadorna cornuta*), Arctic Knot (*Tringa canutus*) ♀, Grey Parrot (*Psittacus erythacus*), Magpie (*Pica rustica*), Goose (*Cygnopsis cygnoides*), and a Crested Dove, from the Aviaries at Sefton Park; Macaw and

Raven (*Corvus corax*) ♂, from the Aviaries at the Botanic Gardens; by the Parks and Gardens Committee, per the Superintendent.

Reeve's Pheasant (*Phasianus reevesi*); by Mr. J. Jowett, The Albany, Old Hall Street, Liverpool.

Common Buzzard (*Buteo vulgaris*) ♂; by Mr. Geo. Dickinson, 10, Water Street, Liverpool.

Common Buzzard (*Buteo vulgaris*) ♀, from North Wales; by Mr. T. Lloyd Jones.

Wood Pigeon (*Columba palumbus*), from Upton; by Mr. F. Gibson, Manor Side, Upton, Cheshire.

Fancy Pigeon, from Todmorden; by Messrs. G. and H. Scott, Todmorden, Lancashire.

Pigmy Pouter Pigeon ♀ and a Carrier Pigeon ♀; by Mr. E. C. Stretch, 15, Moor Street, Ormskirk.

Ostrich (*Struthio camelus*); by Mr. Holmes Seward, Naturalist, Manchester Street, Liverpool.

Fancy Runt Pigeon; by Mr. W. Haslar, New House, London Road, Newport, Essex.

Abnormally coloured Egg of Common Fowl; by Mr. Thomas Nicholls, 53, Circus Street, Liverpool.

Two Wood Wrens (*Phylloscopus sibilatrix*) with Nest and three Chicks, five Willow Wrens (*P. trochilus*), Grey Wagtail (*Motacilla melanope*), and two Pied Wagtails (*M. lugubris*); by Lt.-Col. Echalaz, per Mr. Chas. Thorpe, Croyden.

Nest and two Eggs of Wood Wren (*Phylloscopus sibilatrix*), from Glyndyfrdwy, North Wales; by the Misses Harrison and Miss Walters, Wallasey High School, Wallasey.

Thrush (*Turdus musicus*) ♀; by Mr. Fred Grimsdale, Moridunum, Henbury Fort, near Honiton.

Water Rail (*Rallus aquaticus*), from Huyton; by Mr. Greville R. Clarke, 1, Old Hall Street, Liverpool.

Stock Dove (*Columba œnas*); by Mr. T. Walker, Stanberley Farm, West Derby, Liverpool.

Three Eggs of Australian Crane (*Grus australasiana*), and Egg of Australian Rail (*Rallus pectoralis*); by Mr. James Mackarall, 205, Sea Bank Road, New Brighton.

Abnormal Egg of Indian Runner Duck; by Mr. James McCarthy, Derricool, Eastham.

Cinnamon Thrush (*Turdus musicus*) var., from Hilbre Island; by Mr. Lewis Jones, Hilbre.

Purchased:

Turbiteen Pigeon, two Blondinette Pigeons and a Ptarmigan.

Mammals.

Presented:

Exhibition St. Bernard Dog; by Major D. A. S. Nesbitt, V.D., J.P.

Squirrel; by the Parks and Gardens Committee, per the Superintendent.

Otter (*Lutra sp.*), from Rodoglass, Killough, Co. Down, Ireland; by Alderman Duncan.

Two Orkney Voles (*Microtus orcadensis*), from Stromness, and two Shrews (*Sorex vulgaris*), from Ruthin, North Wales; by Mr. Geo. Ellison, Loudon Grove, Liverpool.

Stoat (*Mustela erminea*), from Nant-y-ffrith, North Wales; by Mr. G. R. Clarke.

African Squirrel (living); by Mr. H. Draffin, Carisbrook House, Victoria Road, Douglas, I.O.M.

Skull of Chimpanzee; by Mr. Cyril Talboys, Cable Road, Hoylake.

Genet (*Genetta vulgaris*), Cuypu Rat (*Myopotamus cuypu*), and a Badger (*Meles taxus*); by Mr. Holmes Seward, Naturalist, Manchester Street, Liverpool.

Small collection of 32 Head Skins, 3 complete Skins, and 3 Skulls of African Big Game; by Mr. W. A. L. Fletcher, Allerton, Liverpool.

Stoat (*Mustela erminea*), from Pen-y-fford, North Wales; by Mr. T. Hibbert.

Pekinese Spaniel Puppy; by Mr. Clement Sunderland, North John Street, Liverpool.

Chow-Chow Dog "Chimmo"; by Mrs. B. F. Moore, The Rectory, Hinderwell, Yorkshire.

Human Brain and Sections of Human Brain; by Professor A. M. Paterson, M.D.

Ear-bone of a mammal, from Sassandra, West Africa; by Mr. E. P. Quainoo, per Mr. Ridyard.

Tooth of young Elephant; by Mr. James Kelly.

Purchased:

Eleven Lantern Slides, Skulls of Cape Buffalo (*Bos caffer*) and Topi (*Damaliscus jimela*), Bank Vole (*Arvicola glarcolus*) albino var., Grey Seal (*Halichœrus grypus*), two Voles (*Evotomys cæsarius*) ♂ and ♀.

Botany.

Presented:

The Herbarium Collection from the Botanic Gardens, Edge Lane, Liverpool, consisting of over 40,000 specimens, of which, from a preliminary examination, 11,725 have been retained for further examination before incorporation into the Museum Herbarium; by the Parks and Gardens Committee of the City Council.

Three Fruits of Gourd, from Gambia, by John P. Joof, Bathurst, and twelve specimens of "Wood-nails" from Sassandra; by Mr. P. E. Quainoo, per Mr. A. Ridyard, S.S. "Tarquah," Elder Dempster Line.

Six specimens of Lichens from St. Johns, Newfoundland, by the Rev. C. Dowding, Great Crosby.

About 140 specimens of Marine Plants, from the Orkney Islands; by Mr. Geo. Ellison, Loudon Grove, Liverpool.

Geology.

Presented:

About 100 specimens of Minerals and Rocks from Rhodesia and Nyassaland, British Central Africa (collected by Mr. R. H. Harger); by Mr. J. O. Wakelin Barratt, 2, Blackburne Terrace, Liverpool.

Sample of Brown Coal from Asaba, Southern Nigeria; by Mr. A. Ridyard.

Palæontological.

Casts of *Cladodus neilsoni*, *Dipterus valenciennesii*, *Eurypterus scouleri*, from Scotland; received in exchange from the Glasgow Museum.

Presented:

Belemnite, from the Chalk, Great Chesterford; by Mr. T. C Nicholson, 171, Grove Street, Liverpool.

Four Trilobites (two *Calymene duplicata* and two *Ampyx nudus*) and a Graptolite (*Diplograpsus sp.*), from the Schist, Llandrindod Wells; by Mr. James Samuelson, Llandrindod Wells.

34 Fossils (Ammonites, &c.), from Robin Hood's Bay, Yorkshire; by Mr. Tertius Joynson, Hoylake.

Plant remains in a split nodule of Clay Iron-stone, from St. Helens, Lancashire; by Mr. R. Maxwell, 11, Callander Road, Liverpool.

Skull of *Bos longifrons*, from the Peat at Leasowe, Cheshire; by Mr. F. M. Thompson, Mersey Docks and Harbour Board.

The Aquarium.

The Aquarium continues, as heretofore, to be one of the chief attractions of the Museums. The various tanks have been kept well stocked with examples of both marine and fresh-water life.

Summary of Acquisitions.

Zoological.

Protozoa	1	Species	6	Specimens.
Cœlenterata	4	„	4	„
Polyzoa	4	„	9	„
Vermes	1	„	1	„
Arthropoda (Crustacea)	2	„	4	„
Arthropoda (Tracheata)	70	„	134	„
Mollusca	4	„	69	„
Fishes	32	„	110	„
Amphibia	1	„	1	„
Reptiles	17	„	22	„
Birds	35	„	51	„
Mammals	64	„	77	„
	215		487	

Botanical.

Plants	4,000	Species ...	...11,874 Specimens.
	(Approximate Estimate.)		

Geological and Mineralogical.

Rocks and Minerals	100 Specimens.

Palæontological.

Zoological and Botanical	45 Specimens.

Total additions to the Lord Derby Museum.

Species	12,506

B.—MAYER MUSEUM.

(*a*) General.

The Melanian Department continues as hitherto to receive numerous acquisitions from West and South West Africa. Mr. Ridyard, Chief Engineer (Elder Dempster & Co) has continued his donations of desirable objects to this Department.

Two cases containing Fetishes and Masks have been added to this Department.

Through the kindness of Dr. David Crombie, Malekula, New Hebrides, several photographs illustrating native customs have been prepared from his negatives for this section.

In the Mongolian section a small though interesting collection of Ethnography from Sarawak has been acquired by purchase. A case of Peruvian objects and one of Thibetan have been arranged and mounted and the range of wall cases examined and made dustproof as far as possible.

On March 15th, 1909, the Director received from Miss B. Freire Marreco, the manuscript copy of the Catalogue of the Ethnographical objects from the Nicobar Islands.

In the Caucasian section cases containing Armenian copper work, Somali-land objects, and Babylonian and Assyrian antiquities have been mounted, whilst a large number of Egyptian and Greek objects have had pedestals prepared.

Two cases of raw materials, photographs, &c., to illustrate the processes and materials used in the manufacture of Pottery and Porcelain have been arranged as an introduction to the Ceramic section.

(*b*) Loans and Deposits.

Facsimiles of a group of Ancient Irish Antiquities by Messrs. Johnson & Sons, Dublin.

The collection of Chinese and Japanese Porcelain lent by Mr. John Mellor, Junr., still remains on exhibition; a few additional examples have been added during the year.

(*c*) Exchanges.

No exchanges have been effected during the past year.

(*d*) Acquisitions.

(1.) General.

Presented:

Necklace of Watch-covers, by Mr. John Elliott.

(2) Local Area Collection.

Presented:

Transfer-printed and Enamelled Tile, by Mr. C. J. Lomax.

Portrait Engravings of Alexander Balfour and John Aiken, by Mrs. S. G. Rathbone.

Photographic enlarged print of Catherine Wilkinson, known as "Kitty of Liverpool," originator of Wash-houses, by Mr. H. R. Rathbone, C. C.

Bicycle made by W. Thomas Liverpool, in 1868, and a "Facile" Safety Bicycle, by Alderman R. R. Meade-King.

Water-colour Drawing of "Boulton's House," West Derby, painted by Robert H. Walker, 1898, and a coloured print of the Liverpool and London Coach "Umpire," by Mr. R. D. Radcliffe.

Purchased:

Hammer or Sling-stone, found in Anglesea.

Set of Porcelain Vases—Herculaneum Ware.

(3) Ceramics.

Presented:

Salt-glazed Sagger, and a collection of fragments of slip-ware, found in Hanley, 1909, by Mr. Louis H. Jahn.

A series of Photographs illustrative of the manufacture of Pottery at the establishment of Messrs. Josiah Wedgwood & Sons, Etruria; Collection of Thimbles, Spurs, Saddles, Sprig Moulds, Moulds of Teapot and Jug, Fragments of Basalt and Jasper, Plates to illustrate gold burnishing and a copper-plate, by Messrs. Josiah Wedgwood and Sons.

"Glue Bat" and Colour used in "Bat" printing, by Messrs. Minton & Co.

Vase and Cover, white jasper washed blue figures in relief and Basalt Cup, by Mr. Percy W. L. Adams.

Purchased:

Porcelain Plaque, bat prints by Minton; Flower Vase of cream ware variously decorated and impressed "Wedgwood"; Bracket Flower Vase with lid, white stoneware, impressed mark "Hackwood"; Basket Flower Vase and lid, red stoneware with white relief, impressed mark "Wilson"; Teapot and Lid with painted glaze, impressed mark "Cyples"; Silver-lustered dish, impressed mark "Spode"; Sugar Basin and Cover, silver-lustered, impressed mark "Bailey"; Vase and Cover, white jasper washed black, white figures in relief by W. Adams & Co.; Jasper ware Vase and lid, by Steele, Burslem.

(4) Ethnography.

MELANIAN RACE.

Africa—West and South-West:—

Presented:

List of specimens collected and presented by and through Mr. A. Ridyard, Chief Engineer R.M.S. "Tarquah," Elder Dempster Line.

Gambia:—

Necklet, Charms or *Gris-Gris*. Necklaces with fetish charms, from Mandingo Country, Bathurst and photographs of the King of Jollof, Mandingoes, and Jollof girls, by Mr. A. Ridyard.

Fly-flaps Whisks made from cow tails from Fuladu; Necklaces or Charms from Niami and Saloum; Gourd and Charm in leather case, by Mr. J. P. Joof.

Sierra Leone:—

Baskets from Port Lokko, Chair from Tombo; Stick used in polishing leather, from Mandingo Country, by Mr. A. Ridyard.

Hat of plaited grass, made by men and boys while in the Poro Bush, Hat from the Temne Country; Baskets of Coiled Work sold principally in Rotifunk, by the Rt. Hon. Leslie Probyn, C.M.S., Governor of Sierra Leone.

Wine Bottle covered with leather, by Mr. A. Ridyard.

Carved wooden Figure from Abeokuta, by Mrs. W. E. Johnson.

Liberia:—

Presented:

Basket from the Vey Country, by Mr. B. R. Gibson.

Grass Bag, Pessy Tribe, by Mr. W. O. Davies Bright.

French Ivory Coast:—

Presented:

Paddle, used by the Bereby boys, from Lahou, and Fetish Stick, by Mr. W. R. Guest.

Two Painted Wooden Masks, from Conakry, by Mr. Lemuel Cole.

Gold Coast:—

Earthenware Pipehead, from Ashanti, by Mr. A. R. Chinnery.

Brass Weights in the form of various animals, from Ashanti, by Mr. G. Holden.

Red Earthenware Jug, from Waifain, near Accra, by King Cudjoe Ababio IV.

Poker-worked Fan (?) from Accra, by Mr. J. A. Addo.

Grass Purse, Plaited Grass Belt, Snuff Box and Cocoanut bottle, from Godigoe, by Mr. P. E. Quainoo.

Plaited Grass Cap; and Pair of Rattles from Axim, by Mr. A. Ridyard.

Earthenware Jug and earthenware Dish from Affarmah, by Dr. J. E. Mettle.

Earthenware Tureen and Covers, by Mr. C. J. Reindorf.

Poker-worked Fan, by Mr. H. Van Hein.

Carved Wooden Figure, by Mr. W. E. Richardson.

Earthenware Tureen and Cover, from Pantang, near Accra, by C. J. Bannerman.

Frame for carrying loads from Jellah Coffee, by Mr. John Koblavie.

Dahomey:—
Presented:

Basket and Calabash from Grand Popo; Rattles, Purses and Hats of plaited grass from Porto Novo; Calabash and Lid from Abeokuta and Carved Wooden Chæmelon and Ostrich from Badagry, by Mr. A. Ridyard.

Black-Glazed earthenware Water Cooler from K'pandu, Hinterland of Togo Land, by Mr. B A. Gikunoo.

N. Nigeria:—
Presented:

Iron sword with brass handle and Sheath from Bida; Calabashes and Lids, and large Fan of plaited grasses from Egga, by Mr. Williams.

Brass Calabash and Spoons from Nupé, Mr. A. E. Christian.

Cured Goat Skin from Lokoja, by Mr. G. T. Taylor.

Brass and Copper Coffee Pot from Lokoja, and Fan of cloth and leather design, Haussa, by Mr. A. R. Chinnery.

Basket, Yellow Leather Pillow Case, Belt and Purse from Lokoja; Knife and Sheath, Haussa, and Leather Pouch from Ilorin, by Mr. A. Ridyard.

Basket and Lid decorated in coloured leather; Red earthenware Water Jar from Lokoja and Calabashes from Garua, Yola Country, by Mr. John G. Taylor.

S. Nigeria:—

Presented:

Anklets of Nut Shells from Opobo; Earthenware Vessels from Warri; Earthenware Pot from Forcados; Mats, and an Enema from Koko Town; Drum, inscribed "Flonoroko" and a Country Couch from Old Calabar, by Mr. A. Ridyard.

Palm-oil Cooking Pot from Warri, by Mr. J. Brown.

Mat from Warri, by Mr. S. S. Thomas.

Figure, and human skull—juju of the late King Duke Ephrain, from Eyamba, Old Calabar, and Leaves used in making juju, from Old Calabar, by Prince Adam Duke, Old Calabar.

Poker worked Wooden Box from Old Calabar, by Prince Duke Ephraim.

Cameroons:—

Presented:

Knives with tapering blades, Double-pronged Spear, and group of Spears, by Mr. A. Ridyard.

Gaboon:—

Presented:

Knives with sheaths, Throwing Knife, by Mr. A. Ridyard.

Congo River:—

Presented:

Beheading Knife and a Knife, by Mr. A. Ridyard.

MELANESIA.

New Hebrides:—

Presented:

Ethnographical Objects collected by Dr. David Crombie in Malekula, and Photographs taken in Malekula, printed from negatives lent by Dr. Crombie.

MONGOLIAN RACE.

S. America:—

Presented:

Red Earthenware bowl with painted design, red earthenware Bowl with loops, black glazed earthenware Bottle, and carved wooden Figure, found between Tambo de Mora and Chinca Alto, Peru, by Mr. Tertius Joynson.

Group of Indian Objects—Necklets, Head Dress, Bow and Arrows, from the Indians of Loreto, River Yaquirama, Peru. Collected by Mr. Jose E. Rojas.

Purchased:—

Ear-pendants, Necklaces, Dress and Cap from the Putamayo Indians, Putamayo River, tributary of the Ucayali, Upper Amazon.

China:—

Presented:

Two Iron Balls known as "Tei chew," by Capt. J. Macnab, R.N.

Carved wooden Figure, 17th century work, by Mr. F. Schnitzer.

Borneo:—

Purchased:

Collection of Ethnography from Sarawak consisting of Sun Hats, Musical Instruments, Measures for Snares, Shuttle, Tobacco Pipes,

Variously carved Bamboo tubes, Baskets, Burial Trophy, Parang, Sireh Box, Garments, Ear-pegs, Paddles, Corset, Spinning Wheel, Lamp, "Dakans," Model of Sickness Boat, Fire making Apparatus, Blowpipes, Spears and Wood Carvings.

CAUCASIAN RACE.

Egypt:—

Presented:

Part of a sculptured scene, found at Memphis, by Dr. W. M. F. Petrie, Egyptian Research Account.

Parchment Scroll in Arabic, picked up on the battle field of Guinis, Soudan, 1885, by Lieut. C. E. Wilson, 2nd Durham Light Infantry. By Dr. A. Robertson Wilson.

Summary of Acquisitions.

Ethnography and Photographs	375
Miscellaneous	10
Ceramics	47
	432

HENRY O. FORBES,

Director of Museums

BRITISH MUSEUM
NATURAL HISTORY

"THE OLD CHURCHYARD."

Mark Anthony. *Presented by Messrs. Wallis & Son.*

WALKER ART GALLERY.

The Curator has the honour to report in reference to the work during the year 1909 of the Department under the direction of the Art and Exhibitions Sub-Committee of the City Council.

For the first time since 1906 it was possible to display in the Gallery the greater part of the City's Permanent Collection of works of art. These were on view until the beginning of August, when, as usual, preparations for the Autumn Exhibition involved the removal of a large number of pictures; as many as possible being retained by a more crowded arrangement in the remaining rooms. The customary effect on the attendance of the public appeared in the increase of the total number of visitors from 338,652 in 1908 to 372,371 in 1909.

The question of an extension of the Art Gallery has continued to be the subject of anxious consideration, and consultation with the City Surveyor, the need for it growing more obvious each year, as the collections increase in number and importance; and evidences are continually presenting themselves of the evil effect on pictures and frames, of frequent removals. At the meeting of the City Council on 7th July, 1909, a formal recommendation was approved "that the Library, Museum and Arts Committee give the question of a much-needed extension of the Art Gallery their very serious consideration." The expense involved, although a minor consideration, is by no means negligible. The well-being of the City's Art Treasures also calls for the reform of the system of heating, and it was resolved to make an experimental beginning early in 1910, during the reconstruction and redecoration of the west front room on the ground floor (Roscoe Room), sanctioned by the Committee as part of the scheme outlined in the Annual Report for 1908. During 1909 it was only possible (for financial reasons) to undertake the alteration of the middle west room into a tea room, the construction of a kitchen in connection with it, and the provision of an adequate new gilder's workshop in the yard, in lieu of the small front room to

be added to the Roscoe Room. The result of these operations, which were completed in time for the opening of the Autumn Exhibition, has, so far as accessible to the public, met with general approval. The new tea room is commodious, wholesome, and free from the special fire danger presented by the previous one, and its makeshift kitchen; and in the new workroom the Gallery possesses, for the first time, a place in which practical work can be satisfactorily carried on. New Velarium Blinds on an improved plan were fitted in rooms H and M.

The work of making necessary and desirable repairs on pictures and frames has been carried on steadily, a large number of frames have been put in order and regilt, new frames have been provided in some cases, the lettering of the frames has been further proceeded with, and more pedestals for sculpture have been procured. The responsible task of relining the "Dante's Dream," by D. G. Rossetti, was satisfactorily carried out in one of the workrooms of the National Gallery, and thereafter the canvas was placed on a new panelled stretcher, with a view to its better preservation. The frame was regilded, and this valuable picture is now in a condition in which it may reasonably be considered secure from deterioration for very many years. Thanks are due to the Trustees and Director of the National Gallery for their valuable assistance in the matter. At its Meeting on 5th May, the City Council affirmed a resolution of the Art and Exhibitions Sub-Committee, approving of the manner in which the work had been done.

Other pictures and frames attended to, include those hung in the Brown Reading Room.

The Statue "Peace," by the late E. Onslow Ford, R.A., was found to be in a bad condition, due to a faulty patina, and, after the bronze had been sent to a foundry for attention, it was found that there had been serious defects in the original casting. The work has now been very satisfactorily put in order.

The task of conserving the "Roscoe" Collection in terms of the recent agreement with the Trustees of the Royal Institution, has been the subject of constant attention, and very good progress has

BRITISH MUSEUM
NATURAL HISTORY

Bertram Priestman. "THE VALLEY OF THE WHARFE." *Purchased.*

been made; the appointed representative of the Trustees, Dr. Edgar Browne, and their Chairman, Dr. R. Caton, having from time to time inspected the work and expressed approval. The cost of the work done during 1909 amounted to £113 8s. 5d., being £13 8s. 5d. in excess of the annual amount agreed upon. There was, however, an unused balance of £56 15s. 0d. remaining from 1908 (when only £43 5s. 0d. was expended) which is now reduced to £43 6s. 7d.; thus providing a sum of £143 6s. 7d. against further operations during 1910.

The following additions to the Permanent Collection were made during the year:—

1.—**By Purchase from the Autumn Exhibition:**

"Isles of the Sea" (oil), by D. Y. Cameron, A.R.S.A.

"The Valley of the Wharfe" (oil), by Bertram Priestman.

"On the Beach" (oil), by Walter W. Russell.

"Springtime, Midlothian" (oil), by J. Campbell Mitchell, A.R.S.A.

"Richmond Castle, Yorkshire—early morning" (oil), by A. Friedenson.

"Oppidi Opulentia" (oil), by J. Y. Dawbarn, M.A.

*"Morning" (oil), by H. S. Hopwood.

"On the Dutch Coast" (watercolour), by H. W. Mesdag.

*"Miss Rachel Keith" (watercolour), by A. Van Anrooy.

*"La Belle Dame sans merci hath thee in thrall" (watercolour), by W. Russell Flint.

"La Vie Paysanne" (triptych, miniature), by Cecil Jay.

"Eve" (bronze statuette), by H. A. Pegram, A.R.A.

Etchings—

Series of 16 etchings, etc., of New York and Pittsburg, by Joseph Pennell:—"Standard Oil Works, Staten Island;" "West Street, New York," (aquatint); "Edgar Thomson Steel Works, Pittsburg;"

* Bought under the terms of the Lord Derby Bequest.

"On the way to Bessemer;" "Among the Skyscrapers, New York;" "New York from Brooklyn Bridge;" "Coal—the abomination of Works;" "Coal Wharves, Staten Island;" "Courtland Street Ferry," (aquatint); "The Bridges, New York;" "Palisades and palaces, New York;" "West Street Building, from Singer Building, New York;" "The mining village;" "Pittsburg—No. 3;" "Main Street, Mahoney City;" "The Coal Breaker."

"Hampton Court Gates," by A. R. Barker; "The Mountain Smithy," by F. V. Burridge; "Spring," by Ethel Stewart; "St. Serfs, Dysart," by R. W. Stewart; "Hey! Ho! the Wind and the Rain," by Martin Hardie, A.R.E.; "L'ecluse du Nouveau Canal, à Troyes," by C. Leheutre; "Quartier du Combat," by Edgar Chahine; "L'arrivée au Moulin," by A. Lepère; "Banks of the Seine," by D. I. Smart; "Gallery of the Middlesex Music Hall," by W. Sickert; "The Arun at Littlehampton," by E. W. Charlton; "The Garden Door," by Francis Dodd; "The Black Bow," by Ethel Gabain; "A Carpenter's House in South India," by Constance G. Copeman; "The Avon below Bristol," by Colonel R. Goff.

Lithographs—

"Le géant," "Les joueurs de bonehor," "La petite guinguette," by Jean Veber; "Ganymede," by Percy Bulcock; "The Modeller," by C. H. Shannon.

Wood Engraving—

"A wet morning at Segovia Market," by Sydney Lee, A.R.E.

Keramics—

A vase with Swan Handles, by Josiah Wedgwood & Sons, Ltd.

An example of Ruskin Pottery, by W. Howson Taylor.

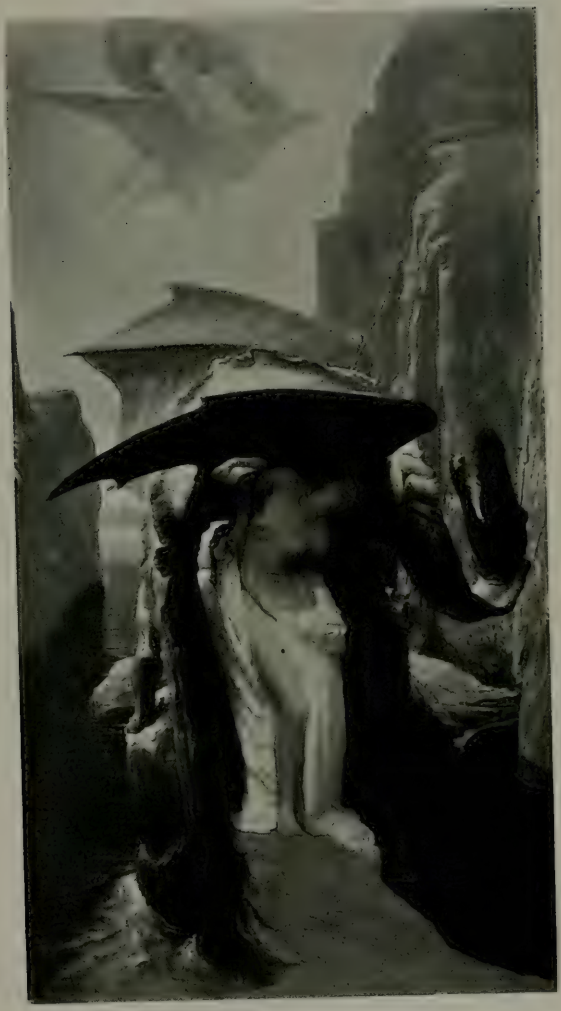
Three examples of Doulton Ware, by Doulton & Co., Ltd.

2.—**By Purchase:—**

"Joan of Arc" (oil), and "The Gleaner" (oil), by William Daniels.

"Tantallon Castle" (oil), by the Rev. John Thomson, H.R.S.A.

BRITISH MUSEUM
NATURAL HISTORY



"PERSEUS AND ANDROMEDA."

Lord Leighton, P.R.A. *Presented by Sir William P. Hartley, J.P.*

3.—**By Donation:—**

Portrait (oil) of the Hon. James Price, Premier of South Australia (a native of Liverpool), by C. Douglas Mackenzie; presented by William Johnston, Esq.

"'Twixt night and day" (oil), by R. P. Richards; presented by Cuthbert C. Grundy, Esq., R.I.

"The Little Foot Page" (oil), by Eleanor Fortescue Brickdale, A.R.W.S.; presented by an anonymous donor.

"Mors Janua Vitæ," the original plaster model of a group, the bronze of which is in the Royal College of Surgeons, London, by Alfred Gilbert, M.V.O.; presented by Mrs. E. Percy P. Macloghlin.

22 frames containing a collection of 141 watercolour drawings of Ancient Liverpool, known as the Herdman Collection; presented by Holbrook Gaskell, Esq. (on behalf of himself and two brothers), from the collection of their father the late Holbrook Gaskell, Esq.

"Perseus and Andromeda" (oil), by Lord Leighton, P.R.A.; presented by Sir William P. Hartley, J.P.

"The Old Churchyard" (oil), by Mark Anthony; presented by Messrs. Wallis & Son, London, in recognition of a service done them by the Curator.

"The Falls of Clyde" (watercolour), by J. M. W. Turner, R.A.; presented by Richard D. Holt, Esq., M.P., and Lawrence D. Holt, Esq., in memory of their father, the late Robert Durning Holt, Esq., D.L.

"Contadini in St Peter's, Rome" (oil), by Keeley Halswelle; presented by E. W. Blessig, Esq.

"Interior of St. Agnes Church, Ullet Road, Liverpool" (etching), by W. P. Collett; presented by W. P. Wethered, Esq., C.C.

"The late George Rae" (etching), by P. A. Rajon, after the portrait by Frank Holl, R.A.; presented by T. Rowland Hughes, Esq., J.P.

"Seahorse Fountain, Borghese Gardens" (etching), by Col. R. Goff, R.E.; presented by the artist.

"Dulieu's Pig Farm" (etching), by Martin Hardie, A.R.E.; presented by the artist.

Vase, "Honesty," and Stand; presented by Messrs. Doulton & Co., Ltd.

4.—**Deposited on Loan:**

No. 5 loan collection of drawings and sketches, by J. M. W. Turner, R.A., lent by the Director and Trustees of the National Gallery.

The original study (oil) for the picture "The Prisoner of Chillon," by William Daniels (in the Permanent Collection), lent by Dr. Philip Nelson.

The Permanent Collection has, thus, during 1909 been enriched (apart from pictures lent) by the addition of 195 works, viz.:—

9	paintings in oil by living artists.
7	,, ,, deceased artists.
3	,, watercolour by living artists.
142	,, ,, ,, deceased artists.
1	miniature by a living artist.
1	bronze statuette by a living artist.
1	plaster model ,, ,,
19	etchings ,, ,,
5	lithographs ,, ,,
1	wood engraving ,, ,,
6	keramic pieces
195	

BRITISH MUSEUM
NATURAL HISTORY

"RICHMOND CASTLE, YORKSHIRE—
EARLY MORNING."

Arthur Friedenson. *Purchased.*

There are now 882 items in the catalogue of the Permanent Collection, of which 128 are at present on loan to public buildings in the City, viz.:—Town Hall, 36; Newsham House, 23; Central Library, 21; Kirkdale Library, 9; Everton Library, 7; Wavertree Library, 13; Toxteth Library, 4; St. Martin's Hall, 1; Calderstones House, 13; Museum, 1.

The experimental opening of the Gallery on Saturday evenings until 8 o'clock, during the months October to May, inclusive, having proved satisfactory, was continued. Sunday opening has been, as hitherto, from 2 to 4-30 during the same period.

During the year, rooms have been used for the following special Exhibitions:—

1. Exhibition of work by Students of the Liverpool School of Art—from January 23rd to February 6th

2. 39th Annual Autumn Exhibition of Modern Art—from 20th September, 1909, to 8th January, 1910.

The Autumn Exhibition was open during 95 days and 65 evenings from 20th September, 1909, to 8th January, 1910. The catalogue comprised 2,300 items, as against 2,141 in 1908, and the Collection was similar in plan to that of 1908, including amongst its special features a room devoted to Continental Art, a complete exhibition of works (91 in number) by members of the Royal Society of Miniature Painters, a black and white section, and a collective exhibition of works by members of the Pastel Society. Pictures by members of the New English Art Club and other artists in sympathy with their aims were hung together in Room No. 9.

A novel and highly successful feature was a subscription banquet held in Room No. 7 on 17th September, which was attended by 100 ladies and gentlemen. On this occasion Mr. G. A. Hearn, of New York, who was present, announced a gift of £500, to be spent in the purchase of pictures for the Permanent Collection; this generous act being intended as a recognition by him of the unique and valuable

work done by the organisers of the Liverpool Autumn Exhibitions. The works afterwards selected were those by Messrs. D. Y. Cameron, Bertram Priestman, and W. W. Russell, above referred to.

The attendance of the Public was as follows:—

At One Shilling (95 days)	24,153	
At Sixpence (53 evenings)	13,676	
At Threepence (12 evenings)	10,668	
		48,497
School Tickets:—		
At Two Shillings (admitting 20 Scholars and a Teacher)		304
Season Ticket Holders:—		
Gentlemen (5s.)	243	
Ladies (3s. 6d.)	972	
Students, &c. (2s. 6d.)	2,798	
Complimentary	550	
		4,563
		53,364

314 works were sold, the catalogue prices of which amounted to £4,919. In addition to the official catalogue, an illustrated edition was, as usual, published by Messrs. D. Marples & Co., who also published a series of 8 pictorial postcards of prominent pictures—an experiment which, having proved successful, will probably be repeated. The Committee had valuable professional assistance in the hanging of the Autumn Exhibition from Messrs. Arnesby Brown, A.R.A., Ralph Peacock, and Frank T. Copnall.

Season ticket holders' soirees were held on the 8th October and 19th November, both of which were attended by the Right Honourable the Lord Mayor, and other civic dignitaries. At the first a lecture was delivered by Mr. William Rothenstein, entitled "The Place of the Modern Artist," and at the second Mr. Councillor

BRITISH MUSEUM
NATURAL HISTORY

J. M. W. Turner, R.A.

"THE FALLS OF CLYDE."

Presented by Richard D. Holt, Esq., M.P., and Lawrence D. Holt, Esq., in memory of their father, the late Robert Durning Holt, Esq., D.L.

H. Chaloner Dowdall lectured on "Principles of Art, with special reference to the Ex-Lord Mayor's Portrait." On each occasion the programme was augmented by vocal and instrumental music. During the Exhibition, a series of "Talks on Art" were given by a number of gentlemen in the Exhibition on Friday afternoons (with the exception of the two above mentioned, which were delivered in the evening) and these proved a very attractive feature. The following is a list of the "Talks."

Date.	Lecturer and Subject.	Chairman.
Oct. 8th	W. Rothenstein, Esq., "The Place of the Modern Artist."	The Rt. Hon. the Lord Mayor (H. Chaloner Dowdall, Esq.).
,, 15th ...	Frank J. Leslie, Esq., F.R.G.S., "The Autumn Exhibition: What it is, and why it is."	Wm. Evans, J.P.
,, 22nd ...	E. Rimbault Dibdin, Esq., "The making of an Autumn Exhibition."	John Lea, Esq., J.P.
,, 29th ...	Rev. T. W. M. Lund, M.A., "The Autumn Exhibition through a Layman's eyes." (This was afterwards printed and published, price 2d.)	P. Charles Kelly, Esq.
Nov. 5th ...	Dr. H. Nazeby Harrington, "Some prints in the Exhibition, and how they are produced."	John Lea, Esq., J.P.
,, 12th ...	R. Hield, Esq., "Art and the Critic"	H. P. Reynolds, Esq.
,, 19th ...	H. Chaloner Dowdall, Esq., "Principles of art, with special reference to the Lord Mayor's Portrait."	Rt. Hon. the Lord Mayor (W. H. Williams, Esq.)
,, 26th ...	James G. Legge, Esq., B.A., "Art in the Munich of to-day."	F. J. Leslie, Esq., F.R.G.S.
Dec. 3rd ...	Harold Rathbone, Esq., "Style in Art; as illustrated in the Exhibition."	Rev. A. Connell, M.A.
,, 10th ...	Henry E. Rensburg, Esq., "The Cultivation of Taste, through the Arts."	Professor Ramsay Muir.

The new tea room already referred to contributed to the very favourable reception of the Exhibition by the public. It was considered by the Press one of the most entirely satisfactory held in recent years. The statistics as to attendances, sales, &c., show a marked increase on the previous year.

Visitors to the Gallery.

During the year the total number of persons who passed through the turnstiles was 372,371, viz.:—

Days.	Persons.	Daily Average.
263 Free Week Days	333,413	1,267
50 Fridays (6d. Admissions and Students) ...	15,511	310
35 Sundays	8,233	235
Saturday evenings (34)	15,214	447
348	372,371	1,070
17 Sundays and Holidays, closed	—	—
365		

The attendance of Students during the year numbered 1,579. Eight additional Students' tickets were granted.

After deducting from the above figures 39,046 visitors to the Autumn Exhibition (to 31st December), the daily average on free weekdays was 1,119, from which, however, a further reduction is due in respect of the 4,563 Autumn Exhibition Season Ticket Holders. The figures in reference to these are not, however, ascertainable.

E. RIMBAULT DIBDIN,

Curator.

AUTUMN EXHIBITION: STATEMENT OF ADMISSIONS, SALES, &c., FROM 1871 TO 1909.

Year.	Admissions.			Season Tickets.	Catalogues Sold.	Commission on Sales.	Miscellaneous Receipts.	Total Receipts.	Works Sold.	
	One Shilling.	Sixpence.	Threepence.							
1871	£720 16 0	...	£207 14 6	£62 2 0	£165 10 0	£320 18 6	£46 4 4	£1,523 5 4	235	£6,395 2 6
1872	601 5 0	£175 9 6	48 2 6	59 6 6	168 0 6	312 6 0	3 18 3	1,368 8 3	242	6,231 4 6
1873	665 18 0	...	229 10 3	96 8 6	199 17 6	371 17 0	2 10 0	1,566 1 3	271	7,402 17 6
1874	854 16 0	...	241 13 3	151 16 6	247 0 6	479 0 3	2 7 0	1,976 13 6	337	9,514 13 0
1875	972 13 0	77 17 6	237 14 0	210 7 0	279 14 3	617 3 0	11 9 2	2,406 17 11	345	12,299 18 6
1876	1,118 0 0	86 9 6	232 7 6	221 1 0	301 12 0	440 15 3	9 10 7	2,409 15 10	255	8,867 10 0
1877	1,928 12 0	...	419 3 3	443 14 0	454 10 1	537 11 2	18 4 2	3,801 14 8	301	10,963 11 0
1878	1,964 17 0	330 9 6	423 5 0	528 14 6	562 8 6	237 13 0	142 0 4	4,189 7 10	235	6,225 14 0
1879	1,516 12 0	212 1 6	378 11 9	566 7 6	504 9 3	364 16 0	7 17 0	3,550 15 0	267	9,159 15 0
1880	1,449 11 0	274 4 6	439 19 6	499 16 0	509 7 3	544 3 3	10 17 7	3,727 19 1	271	11,753 7 6
1881	1,434 15 0	289 4 6	376 4 6	475 14 0	468 19 9	523 7 6	15 9 6	3,583 14 9	315	12,210 11 0
1882	1,430 3 0	299 3 6	332 16 0	476 1 0	472 14 6	362 8 9	23 1 11	3,396 8 8	311	7,868 3 6
1883	1,302 1 0	273 8 0	304 17 3	381 3 6	434 15 9	403 13 0	32 6 10	3,132 5 4	226	8,472 10 6
1884	1,966 12 0	535 0 6	519 14 3	649 7 6	599 13 3	432 6 3	87 7 5	4,790 1 2	291	12,313 7 6
1885	1,317 9 0	366 9 0	344 10 0	501 7 6	481 7 9	353 17 0	44 1 10	3,409 2 1	196	8,028 8 6
1886	1,147 1 0	397 14 0	333 15 9	302 10 6	434 9 0	336 13 9	36 19 7	2,989 3 7	224	8,576 18 0
1887	888 15 0	389 18 6	260 0 0	216 4 0	371 2 3	185 3 9	18 11 0	2,329 14 6	181	4,791 19 0
1888	1,473 5 0	623 9 0	186 11 3	384 1 0	524 17 6	268 16 9	40 3 3	3,501 3 9	168	6,461 6 0
1889	1,475 4 0	588 7 6	92 15 6	432 11 6	524 9 6	283 10 6	75 2 7	3,472 1 1	184	8,083 3 6
1890	1,372 11 0	375 3 6	241 4 6	511 12 6	484 18 0	221 16 9	79 1 4	3,286 7 7	188	6,943 1 6
1891	1,765 3 0	398 15 6	449 1 9	593 14 0	589 1 6	281 4 3	61 15 6	4,138 15 6	159	7,603 2 0
1892	1,559 13 0	421 19 0	223 4 0	652 9 6	535 12 9	172 7 9	43 16 2	3,609 2 2	149	5,132 8 6
1893	1,423 15 0	445 0 0	207 12 9	620 18 6	505 9 0	196 14 6	42 6 0	3,441 15 9	139	6,297 9 0
1894	1,290 7 0	433 14 0	246 17 6	641 12 6	500 0 9	142 11 3	31 9 10	3,286 12 10	124	4,345 4 6
1895	1,268 10 0	414 5 0	213 13 3	566 6 0	467 18 0	180 14 0	24 11 4	3,135 17 7	155	5,470 7 0
1896	1,371 15 0	423 4 6	205 7 9	623 2 0	500 14 7	143 16 2	64 17 5	3,332 17 5	151	4,227 8 0
1897	1,510 14 0	533 11 6	258 12 9	584 1 0	553 4 3	179 4 10	90 5 10	3,709 14 2	176	5,821 12 6
1898	1,406 9 0	428 6 6	229 2 0	453 6 6	490 19 8	365 11 10	209 3 9	3,582 19 3	188	9,397 17 6
1899	1,363 5 0	458 11 0	166 1 3	482 13 6	493 0 0	197 0 9	375 14 3	3,536 5 9	172	8,089 2 6
1900	1,431 3 0	498 11 0	189 0 6	541 19 6	501 7 0	277 14 4	922 15 2	4,362 10 6	175	8,508 14 6
1901	1,419 16 0	517 11 6	158 19 3	570 12 6	515 9 0	257 12 10	625 12 7	4,065 13 8	239	7,669 17 0
1902	1,212 8 0	434 3 0	190 5 9	491 19 6	483 15 6	167 14 5	469 14 10	3,450 1 0	169	5,299 6 6
1903	1,259 15 0	482 19 0	201 15 6	487 17 0	505 9 9	221 6 6	428 15 8	3,587 18 5	215	6,968 1 6
1904	1,318 4 0	448 17 6	130 11 3	490 0 0	487 6 9	254 0 3	593 14 7	3,722 14 4	223	7,056 10 0
1905	1,361 10 0	440 17 6	130 12 0	530 11 6	506 6 3	206 17 11	713 1 8	3,889 16 10	247	6,173 0 3
1906	1,254 3 0	415 18 6	114 10 6	503 11 0	482 1 6	155 7 0	848 19 9	3,619 1 3	246	5,618 12 0
1907	1,065 17 0	331 15 6	101 6 3	400 12 0	432 9 9	140 7 10	535 18 2	3,008 6 6	181	4,446 3 6
1908	1,115 8 0	367 13 6	95 9 9	397 11 0	429 14 0	130 9 10	816 18 0	3,353 4 1	226	3,583 0 0
1909	1,207 13 0	342 4 0	133 7 0	580 12 0	460 19 0	141 15 8	648 17 1	3,515 7 9	314	4,919 13 10
Total	50,206 1 0	13,532 8 0	9,496 1 3	17,383 16 0	17,630 16 1	11,420 9 4	8,235 11 3	128,759 15 11	8,691	289,183 16 1

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