

REPORTS
OF THE
COUNCIL AND AUDITORS
OF THE
ZOOLOGICAL SOCIETY
OF LONDON,
FOR THE YEAR 1910.

PREPARED FOR THE ANNUAL GENERAL MEETING,
TO BE HELD ON
FRIDAY, APRIL 28TH, 1911.

PRINTED BY
WATERLOW & SONS LIMITED, LONDON WALL, LONDON.
1911.

CONTENTS.

	PAGE.
Annual General Meeting	3
The Patron of the Society	4
State of Roll of Members :—	
Fellows	5
Dormant Fellows	6
Foreign and Corresponding Members ...	7
Medallists	8
New Offices, Library and Meeting Room	9
Scientific Work :—	
Scientific Meetings... ..	16
Publications	16
Abstract	16
Proceedings	16
Transactions	17
Zoological Record	18
Institutions in Receipt of Publications ...	19
Garden Guide and Postcards	20
Library	20
Prosectorial Department	34
The Gardens :—	
Exhibition of African Animals	36
New Works and Repairs	37
New Works in Progress	39
Refreshment Department	40
Staff	41
Visitors	42
Fellows' Tickets	45
Excursion and School Tickets	45
Menagerie :—	
Provisions	46
General Condition of the Animals	49
Breeding of Animals at the Gardens in 1910	49
Additions to the Menagerie in 1910... ..	52
List of Species New to the Collection ex- hibited in 1910	58
List of Donors and their Donations for 1910	64
State of the Finances	78
Hanover Square Fund	83
Conclusion	85
Report of the Auditors of the Society for 1910 ...	87

REPORT OF THE COUNCIL

for the year ending 31st December, 1910.

ANNUAL GENERAL MEETING.

THE Eighty-second Annual General Meeting of the Society will be held on Friday, April 28th, 1911, at 4 p.m. at the Offices of the Society, at the Gardens, Regent's Park, N.W.

PROCEDURE AT THE ANNUAL GENERAL MEETING.

(By-Laws, Chapter VII., Sections 1 and 2, as amended August 18th, 1904.)

SECT. I. Notice of the time and place of the Annual General Meeting shall be advertised by the Council in four or more of the public Newspapers, at least fourteen days before the same shall take place.

SECT. II. The course of proceeding at the Annual General Meeting, after the Chair has been taken, shall be as follows:—

1. The reading of the Minutes of the previous Annual Meeting.
2. The Appointment of Scrutineers and opening of the Ballot.
3. Presentation of the Auditors' Report, previously issued to Fellows.

Until 1906, the amounts paid by Fellows as composition for their annual subscriptions were treated as income, but in that year the Council raised the amount of the life composition from £30 to £45, and decided to invest the sums received. The annexed table sets forth the state of the Roll of Fellows in 1905 (the last year before the new system was adopted) and in 1909 and 1910.

	1905.	1909.	1910.
Compounders at £20	2	1	1
" , £30	1,013	955	930
" , £45	—	43	65
Compositions remitted	43	41	40
Paying annual subscriptions	2,434	2,902	3,048
Dormant	139	229	211
Admission-fees unpaid	71	43	54
Total	3,702	4,214	4,349

Dormant Fellows. Alteration in the By-Laws.

At the General Meeting held on July 20th, 1910, the following alteration in the By-Laws of the Society was duly passed:—

FOR BY-LAW, CHAP. 1, SECT. 10.

Any Fellow who shall be absent from the United Kingdom during the space of one year shall, upon previously giving to the Secretary notice in writing of his intention, be exempt from the payment of his annual contribution during such absence.

READ

Any Fellow, after payment of the Admission Fee and subscription, who is residing or about to reside abroad for a period of not less than twelve months, upon signifying his intention in writing to the Secretary, may have his name placed upon a "Dormant List," and shall thence-

forth during the continuance of his residence abroad pay an annual subscription of One Pound only, but his name will be removed from the List of Fellows after three years' absence unless a further application be made to be retained on the Dormant List: in the case of a Dormant Fellow who holds an official position out of the United Kingdom, or who subscribes to the Scientific Publications (the Society thereby being kept informed of his whereabouts), this further notice shall not be required: a Dormant Fellow taking up his residence in the United Kingdom prior to June 30 in any year returns to the active list and is liable for the payment of the balance of the ordinary subscription for that year. A Fellow whose name has been removed in accordance with the provisions of this section, may at any time be restored to the list of Fellows on written application to the Secretary together with payment of the subscription for the current year.

The Council hope that Fellows will use their influence to maintain and increase the number of Fellows.

Comparative Statement of Elections, Deaths, Resignations and Removals during the past Ten Years, with the number of Fellows at the end of each Year.

Years.	Elected or Re-admitted.	Died.				Subscribers.	Subscribers Resigned.	Removed.			Ceased to be Fellows.	Number of Fellows, December 31.
		Compounders.						Subscribers	Dormant.	Admission Fees Unpaid.		
		£20.	£30.	£45.	Fee re-mitted.							
1901 ...	219	...	24	...	...	63	34	5	...	5	131	3,338
1902 ...	227	...	16	...	...	65	32	36	...	3	152	3,413
1903 ...	218	...	22	...	1	65	45	9	4	4	150	3,481
1904 ...	249	...	33	...	1	64	49	7	11	8	173	3,557
1905 ...	309	...	35	...	...	71	44	5	5	4	164	3,702
1906 ...	371	1	23	...	...	71	41	8	3	5	152	3,921
1907 ...	295	...	28	...	...	72	55	5	4	12	176	4,040
1908 ...	238	...	26	1	4	78	53	7	4	4	177	4,101
1909 ...	288	...	33	...	3	67	55	5	6	6	175	4,214
1910 ...	333	...	28	...	2	80	56	10	10	12	198	4,349

Foreign and Corresponding Members.

The following two Foreign Members were elected in 1910, to fill vacancies arising from the deaths of two

well-known and much-honoured zoologists who had been Foreign Members for many years—Alexander Agassiz and E. H. Giglioli :—

Professor Dr. Axel Johan Einar Lönnberg, Director of the Zoological Museum, Stockholm.

Samuel Hubbard Scudder, Esq., of Cambridge, Mass., U.S.A.

The following eleven gentlemen were elected Corresponding Members of the Society during the past year, to fill vacancies on the list :—

Alfred Ernest Wileman, Esq., H.B.M. Consul-General, Manila, Philippine Islands.

Frank Ernest Howe, Esq., of Melbourne, Australia.

Major Stevenson Hamilton, Game Warden of the Transvaal, Pretoria, South Africa.

Hugo Pam, Esq., of Caracas, Venezuela.

Professor Ludwig von Graff, of The University, Graz, Austria.

Jamshed M. Doctor, Esq., The Victoria Gardens, Bombay, India.

B. Basu, Esq., Superintendent of the Zoological Gardens, Calcutta, India.

Wilfred H. Osgood, Esq., of the Department of Agriculture, Washington, D.C., U.S.A.

Theodore Roosevelt, Esq., of Long Island, New York, U.S.A.

Dr. Reinhard Dohrn, of the Zoological Station, Naples, Italy.

Richard Bowen Woosnam, Esq., Forest Ranger, Nairobi, British East Africa.

PRESENTATION OF THE SOCIETY'S SILVER MEDAL.

On December 21st, 1910, the Silver Medal of the Society was awarded to Mr. Carl Hagenbeck, of Stellingen, Hamburg, in consideration of the advances he had made in the methods of keeping animals in captivity, in particular with regard to the design of display enclosures and the rational application of the open-air treatment.

NEW OFFICES, LIBRARY, AND MEETING ROOM.

The transference from the old buildings in Hanover Square to the new offices at the Gardens was carried out



Fig. 1.—SOCIETY'S NEW OFFICES: VIEW FROM THE OUTER CIRCLE IN REGENT'S PARK.

with the least possible disturbance to the business of the Society. The old office was open as usual until two

o'clock on Saturday, July 9th, and the new office was opened at 10 a.m. on Monday, July 11th. The general monthly meeting in June took place at Hanover Square,



Fig. 2.—SOCIETY'S NEW OFFICES: ENTRANCE HALL.

and that in July in the Society's new premises. The Library, which is usually closed for the month of September, was closed in July whilst the books were

being packed, and in August whilst they were being unpacked, but arrangements were made by which the current numbers of periodicals and the more important books of reference could be consulted without any interval. The old Garden Office at the Superintendent's House was kept open for a few weeks longer until the new arrangements were working smoothly, but was transferred early in September.

The new buildings appear to be convenient to the needs of the Society. The photograph reproduced as fig. 1 (p. 9) gives a general view of the building, which faces the Outer Circle and occupies the site of the old Small Marsupials' House and Stores Yard. Fig. 2 (p. 10) gives a view of the interior of the entrance hall, showing the large door on the left communicating through the porch with the main entrance from the roadway, and looking towards the stair and lift to the first floor and the entrance from the Gardens. Fig. 3 (p. 12) shows the interior of the Meeting Room and Library, taken from the floor, facing the chairman's platform; fig. 4 (p. 15) gives another view of the same room, taken from the book gallery. In fig. 5 (p. 21) there is to be seen a part of the interior of the Front Library facing the entrance from the staircase, and the door of the Publication Office. Fig. 6 (p. 22) shows part of the interior of the Reading Library. The Main Library is lined with new metal shelves; the Front and Reading Libraries have been fitted with the Society's oak book shelves from Hanover Square. A statement of the cost of the new buildings with their fittings will be found on p. 83 of this Report.

SCIENTIFIC WORK OF THE SOCIETY.

According to the terms of the Charter, the Society exists not only for 'the introduction of new and curious subjects of the Animal Kingdom,' but for the 'advancement of Zoology and Animal Physiology.' In addition to maintaining the Gardens for the education, study and pleasure of those interested in Zoology, the Society takes a share in the advancement of knowledge in more direct modes.

The Evening Scientific Meetings have been well attended, and many important contributions to Zoological

Science have been made to them. On the evening of each Meeting motor 'buses leave Regent's Park Tube Station at 8.5 p.m. and 8.20 p.m., conveying Fellows

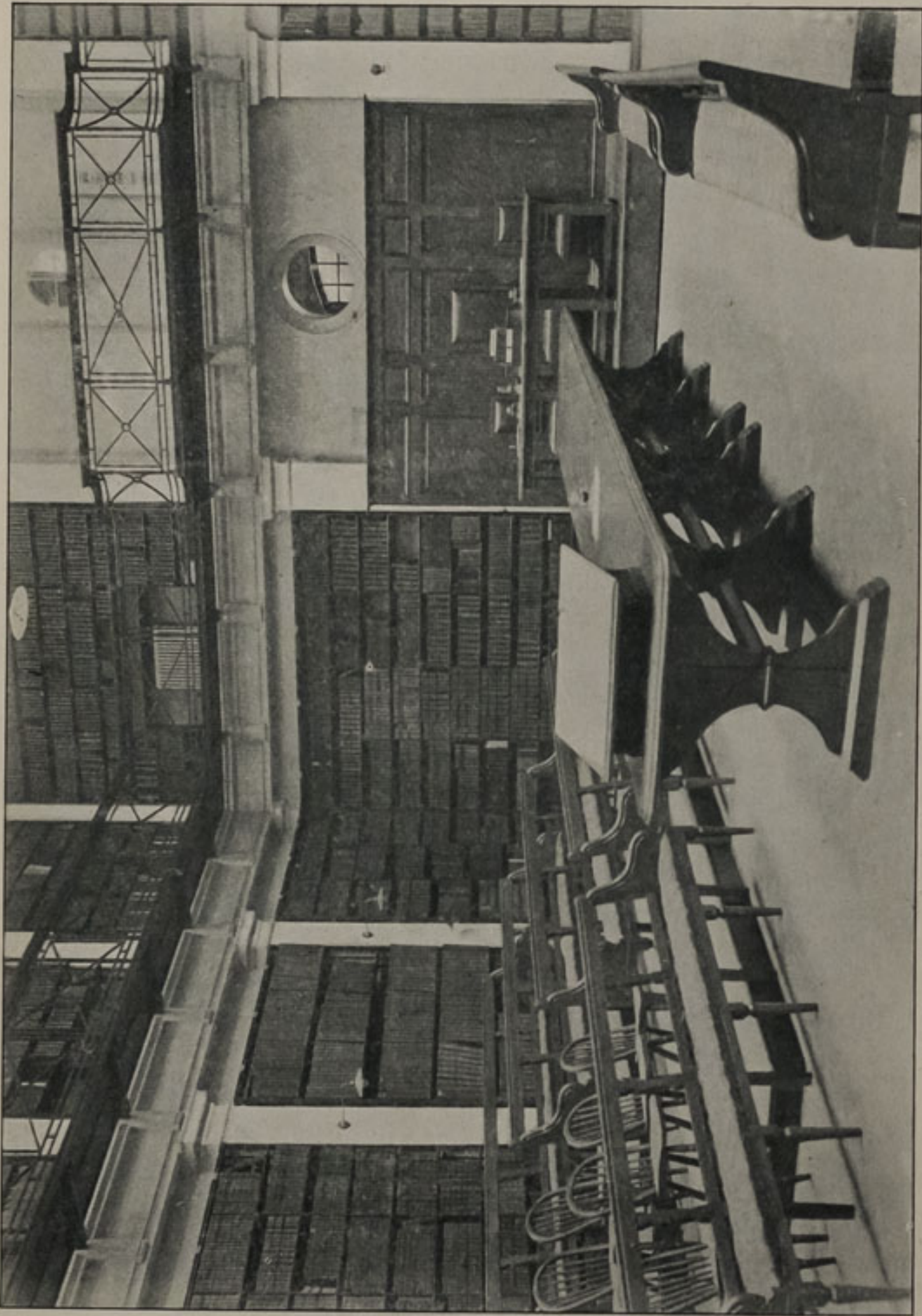


Fig. 3.—SOCIETY'S NEW OFFICES: MEETING ROOM AND LIBRARY.

direct to the Meeting Room, and there is a similar return service at the conclusion of the Meeting. There seems every reason to suppose that the attendance will be at

least as good as at Hanover Square. In the course of the year it was arranged that, beginning with 1911, there should be no Scientific Meetings in January and December, but that each Session should begin in October and end later in the summer. It is hoped thus to avoid the worst weather of the year, and to secure a more even distribution of the publications.

The Annual 'Record of Zoological Literature' has been produced in collaboration with the International Catalogue; one more annual volume, covering the year 1910, has yet to appear under the scheme of provisional amalgamation. It will be necessary to consider the future of the 'Record' in the course of the year.

The Society's Library has been of great service to Zoologists. Many new volumes have been added by purchase or presentation. A list of books recommended by Fellows for purchase is kept by the Librarian and is considered at the monthly meetings of the Library Committee.

The provision of a special half-hourly service of motor 'buses, leaving Oxford Circus every weekday at 10 a.m., 10.30 a.m., and so on until 5 p.m., and returning from the North Gate at 10.15, 10.45, and so on until 5.15 p.m., is expected not only to bring visitors to the gardens, but to be of special use to those who wish to consult the library, as the 'buses pass within one minute's walk from the offices.

The Society has been represented by official delegates at various important scientific events. As Professor E. A. Minchin, Vice-President, who had been appointed to represent the Society at the Eighth International Zoological Congress at Graz, was unable to attend, Dr. S. F. Harmer, F.R.S., Vice-President, kindly acted in his place. Mr. Guy Marshall, F.Z.S., represented us at the First International Entomological Congress at Brussels. Dr. Malcolm Burr, F.Z.S., attended on our behalf the Semi-Centennial Jubilee of the Entomological Society of Russia at St. Petersburg. Mr. Albert Pam, a Member of the Council, who was in South America on business, was appointed to represent us at the Agricultural Exhibition at Buenos Aires.

The Anatomical and Pathological work in the research laboratories at the Prosectorium has been actively prosecuted, and the new laboratories provide better accommodation than was formerly available. Fellows who desire to engage in research are requested to communicate with the Secretary or with the Prosector.

The Duke of Bedford's exploration of Eastern Asia has been continued during the year, Mr. Malcolm Anderson, His Grace's collector, having worked through Southern Shen-si, Kansu, and Western Sze-chwan. From the last-named region, where Père David discovered so many remarkable animals, Mr. Anderson has sent home a very fine collection, which is now being worked out, and proves to include a large number of new and interesting mammals, and several new birds. Another collection, from Southern Shen-si, is now on its way home, after being delayed for several months by the low state of the River Han. Many further novelties are likely to result from its scientific examination. Mr. Anderson was last heard of from the Province of Yunnan, in the far south-western corner of China, whence practically no collections have ever been received by the National Museum. Besides the series presented by the President to the British Museum, a duplicate set has been given to the Royal Scottish Museum, Edinburgh, to whom these beautiful specimens are of much interest, as illustrating the fauna of the eastern end of the Palæarctic Region, to which that Museum devotes special attention.

The Council, in co-operation with the Education Committee of the London County Council, was able to institute a scheme for the instruction of school teachers, so as to make the visits of school children to the gardens more interesting and useful. One course took place in the autumn of 1910, and was followed by two courses early in 1911. The Secretary gave an inaugural lecture at which over 300 teachers were present. The courses were conducted by Mr. J. L. Bonhote, F.Z.S., and each course provided for 150 teachers, who attended three lectures with lantern demonstrations in the new Meeting Hall, whilst they were given practical demonstrations in the gardens in sets of 25. Very

great interest was taken by the teachers, and it is expected that the courses will be continued next autumn and winter on a larger scale. The Society provides the hall

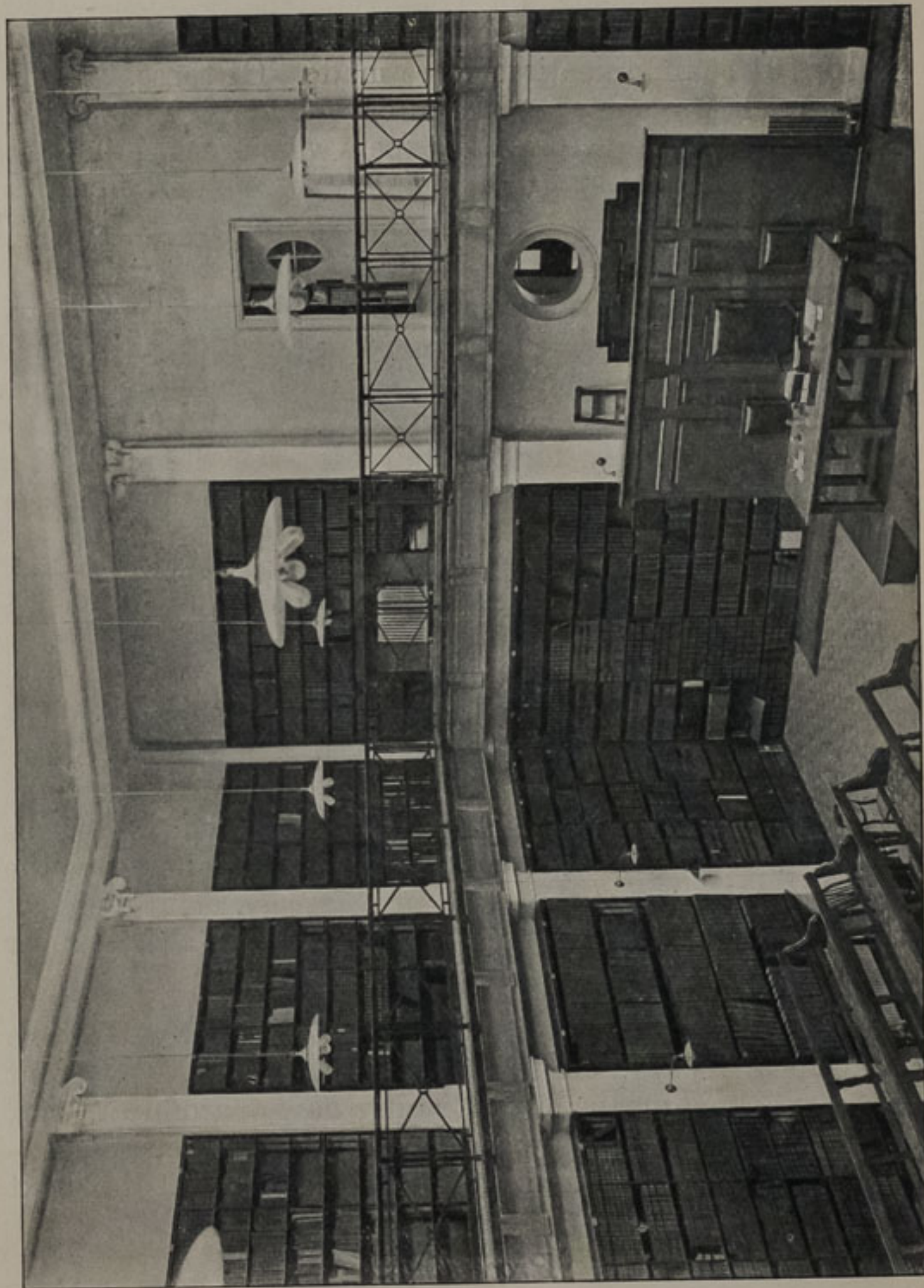


Fig. 4.—SOCIETY'S NEW OFFICES, MEETING ROOM: VIEW FROM THE BOOK GALLERY.

and makes the arrangements, and the London County Council makes a grant towards the expenses.

SCIENTIFIC MEETINGS.

To the thirteen meetings for scientific business held in the Society's Rooms (in Hanover Square until June, and in the New Offices in November and December) in 1910, 101 communications were made. Of these, 73 were from Fellows and 7 from Foreign or Corresponding Members. The remaining 21 papers were from individuals not belonging to the Society, and were communicated to it by the Secretary or by other Fellows. The total number of communications in the year 1909 was 117.

These communications were submitted to the Committee of Publication, by which 48 were ordered to be printed in the 'Proceedings,' and two in the 'Transactions,' such illustrations being in each case allowed as the Committee considered necessary for the purpose. Of the remaining communications, abstracts or extracts were considered to be sufficient for publication.

PUBLICATIONS.

Abstract.

Since January, 1904, the Society has published on the Tuesday following the date of each Scientific Meeting an *Abstract of the Proceedings*. It is issued with the *Proceedings* free of charge to all Fellows who subscribe to the Publications; but it may be obtained on the day of publication at the price of *Sixpence*, or, if desired, it will be sent post-free for the sum of *Six shillings* per annum, payable in advance.

The *Abstract* contains no scientific matter that will not be published afterwards in the *Proceedings*, but is convenient as a more rapid means of publishing new anatomical facts, or the descriptions of new species, and it announces, whenever possible, the communications to be made at the next Scientific Meeting.

Proceedings.

The *Proceedings* of the year are issued in two volumes, indexed separately, each of which contains two parts. The year's issue has consecutive pagination throughout,

so that the complete reference to any memoir after 1905 is as follows:—

P.Z.S., 19- , p. .

For some time it has been thought desirable to bring about a more rapid publication of Memoirs contributed to the Scientific Meetings. Beginning with the year 1911, the four parts of the 'Proceedings' will be issued in the months of March, June, September, and December, thus completing the two volumes within the year, and securing a more even distribution than was formerly possible. At the same time it was arranged that the publication of Memoirs need not necessarily follow the chronological order in which they were presented to the Meetings, so that other Memoirs may not be delayed by having to await the completion of those requiring elaborate illustrations.

The two volumes for 1910 contain 1033 pages (exclusive of the indexes, which are now paged separately) with 101 plates, 1 map, and 150 illustrations in the letterpress. In the following Table are given the number of plates and pages of the volumes of 'Proceedings' for the past ten years:—

	Plates.	Pages.		Plates.	Pages.
1901 . .	69	1144	1906 . .	70	1034
1902 . .	68	813	1907 . .	56	1121
1903 . .	57	780	1908 . .	68	983
1904 . .	60	1010	1909 . .	86	952
1905 . .	37	937	1910 . .	101	1033

Transactions.

Of the Society's quarto *Transactions*, two parts were published in 1910, viz.:—

VOL. XIX. PART 4, pp. 253-480. (March, 1910.)

ZOOLOGICAL RESULTS OF THE RUWENZORI EXPEDITION, 1905-1906.

16. 'Aves,' by W. R. Ogilvie-Grant, F.Z.S., M.B.O.U.—Appendix. 'On some Points in the Anatomy of *Bradypterus cinnamomeus*', by W. P. Pycraft, F.Z.S., M.B.O.U., with Plates X.-XIX., and Text-figures 13-16.

VOL. XIX. PART 5, pp. 481-554. (March, 1910.)

ZOOLOGICAL RESULTS OF THE RUWENZORI
EXPEDITION, 1905-1906.

17. 'Mammalia,' by Oldfield Thomas, F.R.S., F.Z.S., and R. C. Wroughton, F.Z.S., with Plates XX.-XXIV., and Index, Title-page, and Contents to complete the Volume.

VOL. XVIII., of which only four parts have been published, will be completed this year.

Zoological Record.

The 46th Volume of the 'Zoological Record' (which contains a List of Titles and Subject and Systematic Indexes of the work published by zoologists all over the world in 1909) is the fourth volume under the scheme of provisional amalgamation with the zoological portion of the 'International Catalogue of Scientific Literature' announced in the Reports for 1905 and 1906. The Editor, Dr. David Sharp, F.R.S., F.Z.S., and his staff of recorders were able to finish their work early in 1911. The divisions relating to *Protozoa*, *Porifera*, *Arthropoda* (general), *Vertebrata* (general), *Pisces*, and *Reptilia* and *Batrachia* were published in November, 1910, those relating to *Cœlenterata*, *Crustacea*, *Arachnida*, *Aves* and *Mammalia* were published in December, 1910, the remaining divisions in January and February, 1911, whilst the complete volume was issued to subscribers in February, 1911.

Fellows of the Society, learned Societies and Institutions, and members of the former Zoological Record Association, who subscribe through the Zoological Society, will receive the present and future volumes of the 'Record' on the same terms and in the same binding as heretofore—that is to say, at a subscription price of 30s. per annum, the subscription being due on the first of July each year.

The complete Volume consists of separately paged Divisions. These may be obtained singly, in paper covers, stitched and lettered.

The following are the Divisions and their net prices,
viz. :—

	s.	d.
Comprehensive Zoology	2	6
Protozoa	2	0
Porifera or Spongida	2	0
Cœlenterata	2	0
Echinodermata	3	6
Vermidea	3	0
Brachiopoda and Polyzoa	2	0
Mollusca	4	0
*Arthropoda (General)	2	0
Crustacea	2	6
Trilobita, Arachnida, Myriopoda	3	6
Insecta	12	0
Prochordata	1	6
*Vertebrata (General)	1	6
Pisces	2	6
Reptilia and Batrachia	2	6
Aves	6	0
Mammalia	2	6
List of abbreviations of Journals	2	0
List of New Genera	2	0

* The general Division, Arthropoda, is also bound with the Divisions Crustacea, Trilobita-Arachnida-Myriopoda and Insecta. The general Division, Vertebrata, is also printed with the Divisions Pisces, Batrachia-Reptilia, Aves and Mammalia. Purchasers of any of these special Divisions do not require to order separately the general Divisions in question.

List of Institutions, &c., on the Exchange List of the Society's Publications.

A full list of these Institutions, &c., was printed in the Report for 1902; in 1903 no change was made; since that date the following additions have been made:—

1904.

The Carnegie Museum, Pittsburgh, Pa., U.S.A.

1905.

The Bloemfontein Government Library.
The Royal Zoological Society of Ireland, Dublin.
The Australian Museum, Sydney, N.S.W.

1906.

Archiv für Naturgeschichte, Berlin.

1907.

Laboratoire Arago, Banyuls-sur-Mer, France.
Station for Experimental Evolution at Long Island of the
Carnegie Institute of Washington, U.S.A.

1908.

The State University of California, Berkeley, Cal., U.S.A.
The American Academy of Arts and Sciences, Boston, U.S.A.

1909.

The Bombay Natural History Society, Bombay.

Garden Guide.

The 'Official Guide to the Society's Gardens,' written and revised annually, by the present Secretary, consists of 112 pages, with many illustrations, a Plan of the Gardens, and a Railway and Street Map showing modes of access from different parts of London. The Guide is printed by Messrs. Bradbury, Agnew and Co.; it is published by the Society at its Offices, and sold there and in the Gardens at the price of sixpence in paper covers. The copyright and the profits of sale belong to the Society. Since 1903, when the first edition was published, 293,137 copies have been sold. A ninth edition, with many new illustrations, and printed on art paper, will be published before the Annual Meeting.

Postcards.

The edition of coloured Postcards of animals is now out of print; 10,327 were sold early in 1910, and a certain number had to be destroyed owing to their defective condition. The balance of the 1908 uncoloured series, amounting to 57,778, was sold out, whilst 20,398 of a new series were also sold. The public demand for Postcards is not so great as when these were first introduced, but their sale continues to show a profit.

LIBRARY.

The whole of the Society's valuable Library has been re-classified and arranged in the new building by Mr. F. H. Waterhouse, the Librarian, and his assistant, Mr. Riseley. The principal books of reference and general works on Natural History have been placed in the Front Library; the Reading Room contains unbound numbers of Periodicals, Faunistic Memoirs, and the series of works on Mammals, Birds, Reptiles, Batrachians and Fishes, Insecta, Arachnida, Crustacea, and the lower Invertebrates. The Book Gallery of the Main Library contains works on Mollusca, General Anatomy and Biology, and the sets of those Periodicals that are most frequently consulted. The

shelves on the Ground Floor of the Main Library contain the remainder of the Periodicals and the Books of Travel arranged as far as possible geographically.

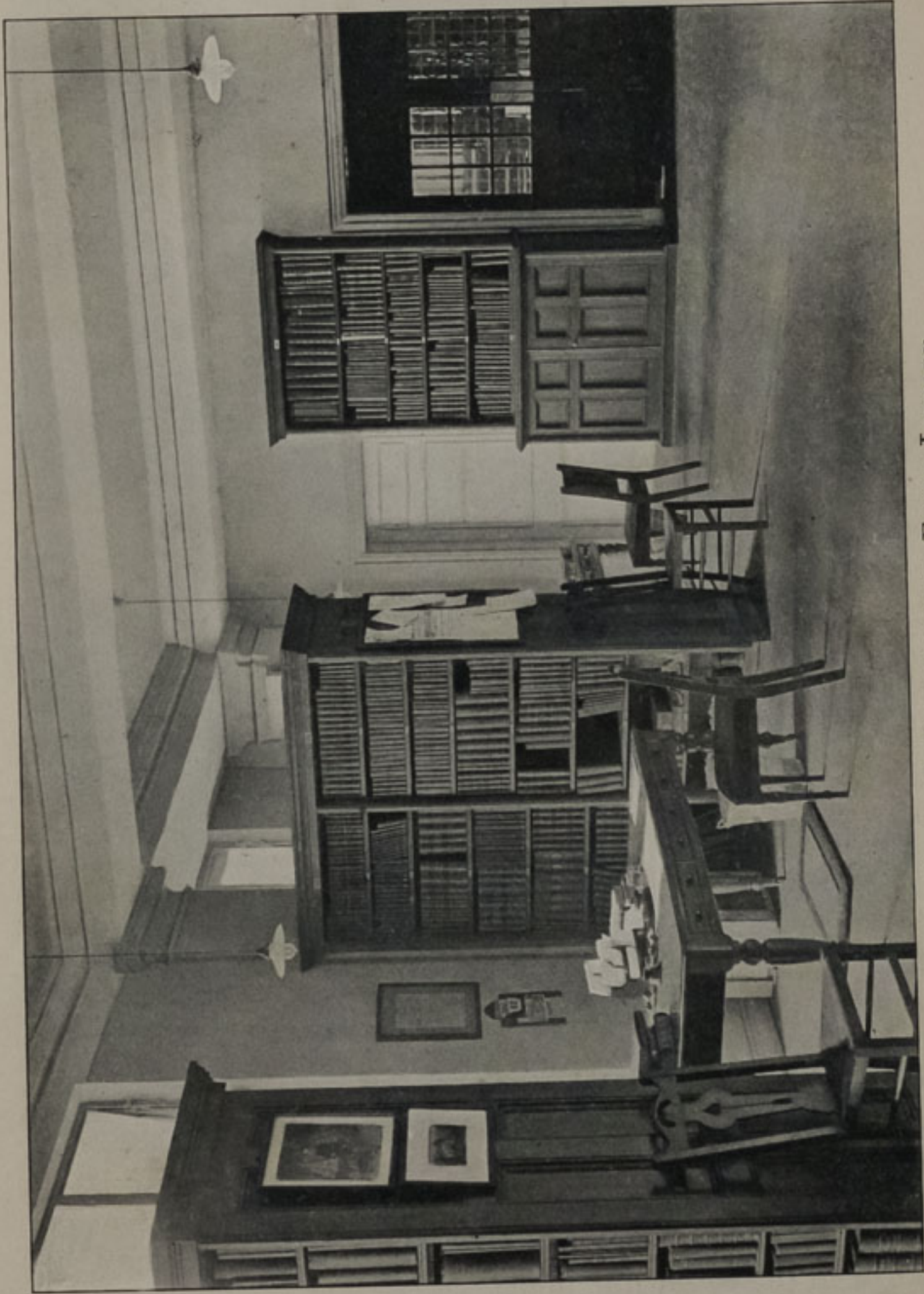


Fig. 5.—SOCIETY'S NEW OFFICES : FRONT LIBRARY.

The re-arrangement of the Library was carried out so that any volume could be reached with a little trouble from the old press marks in the old catalogue, but the re-marking is being proceeded with rapidly, and will soon be completed.



Fig. 6.—SOCIETY'S NEW OFFICES: PART OF READING ROOM.

Many important additions to the Library were made during the past year, among which attention may be called to the following donations:—

<i>Donor.</i>	<i>Donation.</i>
Louise C. Appel	The Inherent Law of Life ; a new theory of Life and of Disease. By Franz Kleinschrod. Translation. 1910.

<i>Donor.</i>	<i>Donation.</i>
The Government of the Argentine Republic.	Live Stock and Agricultural Census of the Argentine Republic. 3 vols. and maps. 1909.
Trustees of the Australian Museum.	North. Nests and Eggs of Australian Birds. Vol. ii., part 2.
Comissão d'Expansão Economica do Brazil	Brazil. Its Natural Riches and Industries. Vol. i. 1910.
Trustees of the British Museum.	Andrews. A Descriptive Catalogue of the Marine Reptiles of the Oxford Clay. Part 1. 1910.
	Hampson. Catalogue of the Lepidoptera Phalænæ. Vol. ix. 1910.
	Kirby. A Synonymic Catalogue of Orthoptera. Vol. iii. 1910.
	Lankester. Monograph of the Okapi. Atlas. 1910.
	Morley. Catalogue of British Hymenoptera of the Family <i>Chalcididæ</i> . 1910.
	Theobald. A Monograph of the Culicidæ or Mosquitoes. Vol. v. 1910.
	National Antarctic Expedition, 1901-1904. Natural History. Vol. v. 1910.
	Catalogue of the Books, Manuscripts, Maps and Drawings. Vol. iii. 1910.
	Guide to the British Vertebrates. 1910.
	Guide to the Crustacea, Arachnida, Onychophora and Myriapoda. 1910.
	Guide to Mr. Worthington Smith's Drawings of Field and Cultivated Mushrooms and Poisonous or Worthless Fungi often mistaken for Mushrooms. 1910.
Frederick Burgoyne ...	Brown. Illustrations of the Conchology of Great Britain and Ireland. 2nd ed. 1844.
Malcolm Burr	The Fauna of British India, including Ceylon and Burma. Dermaptera (Earwigs). 1910.
The Geological Survey of Canada.	Macoun and Macoun. Catalogue of Canadian Birds. 2nd ed. 1909.
The Zoological Museum, University of Copenhagen.	Danish Ingolf-Expedition. vi., part 3. Danmark-Ekspeditionen til Grønlands Nordøstkyst 1906-1908. v., nos. 1-3.
Gordon Dalgliesh.....	Familiar Indian Birds. 2nd ed. 1909.
Frank Finn	Eggs and Nests of British Birds. 1910.
	Robinson. The Poets' Birds. 1883.
J. D. F. Gilchrist.....	Marine Investigations in South Africa. Vol. iv. 1908.
Ernst Haeckel	Anthropogenie Keimesgeschichte des Menschen. 6th ed. 2 vols. 1910.

<i>Donor.</i>	<i>Donation.</i>
Trustees of the Indian Museum.	Alcock. Catalogue of the Indian Decapod Crustacea. Part i., fasc. 2.
Madras Government Museum.	Kœhler. An Account of the Shallow-water Asteroidea.
C. E. Porter	Thurston and Rangachari. Castes and Tribes of Southern India. 7 vols. 1909.
E. B. Poulton	'Revista Chilena.' Vols. xii. and xiii. 1908-09.
Arthur Platt.....	Hope Reports. Vol. vii. 1908-10.
Edward Preston	Aristotle's 'De Generatione Animalium.' 1910.
Eugenio Rignano	An Album of Photographs.
D. Seth-Smith	La Transmissibilité des Caractères Acquis. 1908.
Sir Ernest H. Shackleton	Notes on a Naturalist's Visit to Australia. 1910.
Walter Smith	Reports on the Scientific Investigations of the British Antarctic Expedition 1907-9. Vol. i., parts 1-5.
Max Weber	Henry and Emma's Visit to the Zoological Gardens in the Regent's Park. [1832.]
Wilhelm Weltner.....	'Siboga' Expeditie. Monographs. Parts xlv.-l.
	'Archiv für Naturgeschichte,' Jahrg. 74, Bd. ii., Heft 2, Lief. 1; Jahrg. 75, Bd. i., Heft 3.

Some of the most important additions to the Society's Library purchased since the last Anniversary are the following:—

- Auerbach (M.). Die Cnidosporidien (*Myxosporidien, Actinomyxidien*), Microsporidien. 4to. Leipzig, 1910.
- Braun (Max) and Lühe (M.). A Handbook of Practical Parasitology. 8vo. London, 1910.
- Budde-Lund (G.). A Revision of Crustacea Isopoda Terrestria. Nos. i.-iii. 8vo. Kjøbenhavn, 1899-1904.
- Calderwood (W. L.). The Salmon Rivers and Lochs of Scotland. 8vo. London, 1909.
- Calkins (G. N.). Protozoölogy. 8vo. New York, 1909.
- Chapman (F. M.). The Warblers of North America. 8vo. New York, 1907.
- Coward (T. A.). The Vertebrate Fauna of Cheshire and Liverpool Bay. 2 vols. 8vo. London, 1910.
- Dewar (D.). Indian Birds. 8vo. London, 1910.
- Ditmars (R. L.). Reptiles of the World. 8vo. London, 1910.
- Drake-Brockman (R. E.). The Mammals of Somaliland. 8vo. London, 1910.
- Driesch (H.). The Science and Philosophy of the Organism. 2 vols. 8vo. London, 1908.

- Dugmore (A. R.). Camera Adventures in the African Wilds. 8vo. London, 1910.
- Eltringham (H.). African Mimetic Butterflies. 4to. Oxford, 1910.
- Eyferth (B.). Einfachste Lebensformen des Tier- und Pflanzenreiches. 8vo. Braunschweig, 1910.
- Gerhardt (J.). Verzeichnis der Käfer Schlesiens (Prussian and Austrian Parts). 8vo. Berlin, 1910.
- Gladstone (H. S.). The Birds of Dumfries-shire. 8vo. London, 1910.
- Hagenbeck (C.). Beasts and Men. 8vo. London, 1909.
- Hertwig (O.). Allgemeine Biologie. 3te Auflage. 8vo. Jena, 1909.
- Lehrbuch der Entwicklungsgeschichte des Menschen und der Wirbeltiere. 9te Auflage. 8vo. Jena, 1910.
- Jenkinson (J. W.). Experimental Embryology. 8vo. Oxford, 1909.
- Kirkaldy (G. W.). Catalogue of the Hemiptera (Heteroptera). 8vo. Berlin, 1909.
- Lambert (M.) et Balthazard (V.). Le Poil de l'Homme et des Animaux. 8vo. Paris, 1910.
- Levinsen (G. M. R.). Morphological and Systematic Studies on the Cheilostomatous Bryozoa. 4to. Copenhagen, 1909.
- Malloch (P. D.). Life-History and Habits of the Salmon, Sea-Trout, Trout, and other Freshwater Fish. 8vo. London, 1910.
- Meerwarth (H.). Lebensbilder aus der Tierwelt. Säugetiere, vol. ii., und Vögel, vol. ii. 8vo. Leipzig, 1910.
- New Zealand, The Sub-Antarctic Islands of, Report on the Geo-Physics, Geology, Zoology, &c. Edited by C. Chilton. 2 vols. 4to. Wellington, N.Z., 1909.
- Penard (F. P.) et Penard (A. P.). De Vogels van Guyana. 8vo. Paramaribo, 1909.
- Poulton (E. B.), and others. Fifty Years of Darwinism. 8vo. New York, 1909.
- Pringsheim (H.). Die Variabilität niederer Organismen. 8vo. Berlin, 1910.
- Prowazek (S. von). Einführung in die Physiologie der Einzelligen (Protozoen). 8vo. Leipzig, 1910.
- Pütter (A.). Die Ernährung der Wassertiere und der Stoffhaushalt der Gewässer. 8vo. Jena, 1909.
- Pycraft (W. P.). Animal Life. Vol. ii. Birds. 8vo. London, 1910.
- Redeke (H. C.). Onderzoekingen betreffende het Urogenitaal-systeem der Selachiers en Holocephalen. 8vo. Amsterdam, 1898.
- Sacco (F.). L'Évolution Biologique et Humaine. 8vo. Turin et Paris, 1910.
- Schneider (K. C.). Vorlesungen über Tierpsychologie. 8vo. Leipzig, 1909.
- Seton (E. T.). Life-History of Northern Animals. 2 vols. 4to. New York, 1909.
- Sissons (S.). A Text-Book of Veterinary Anatomy. 8vo. Philadelphia and London, 1910.

- Smith (H. M.). Japanese Goldfish. 8vo. Washington, 1909.
 Spuler (A.). Die Raupen der Schmetterlinge Europas. 4to
 Stuttgart, 1910.
 Steuer (A.). Planktonkunde. 8vo. Leipzig und Berlin, 1910.
 Thayer (G. H.). Concealing Coloration in the Animal Kingdom.
 4to. New York, 1909.
 Ticehurst (N. F.). A History of the Birds of Kent. 8vo.
 London, 1909.
 Trouessart (É. L.). Faune des Mammifères d'Europe. 8vo.
 Berlin, 1910.
 Walter (E.). Der Flusssaal. 8vo. Neudamm, 1910.

The following is a list of the principal zoological works in course of publication, of which parts were purchased in 1910:—

- André. Species des Hyménoptères. Tome x., fasc. 105-106.
 Barrett-Hamilton. A History of British Mammals. Parts 1-3.
 Becker. Chloropidæ, eine monographische Studie. Theil 1.
 Bronn's Thier-Reich. Band iii. (*Mollusca*), Lief. 109-112; Band
 iii., suppl. (*Tunicata*), i., Lief. 86-94; ii., Lief. 4-5; Band vi.
 (*Pisces*), Lief. 32-33.
 Coleopterorum Catalogus. Junk et Schenkling. Pars iv.-xxiv.
 Das Tierreich (F. E. Schulze). Lief. 26.
 Deutsche Südpolar-Expedition, 1901-03; Band xi. (Zool.),
 Hefte 4, 5; Band xii., Hefte 1-3.
 Dresser. Eggs of the Birds of Europe. Parts xix.-xxiv.
 Fauna u. Flora des Golfes von Neapel. Monogr. xxxiii.,
 Stomatopoden, Theil 1.
 Godman. Monograph of the Petrels. Part 5.
 Grandidier. Histoire de Madagascar. Vol. xvii. (*Reptiles*),
 Part 1.
 Green. Coccidæ of Ceylon. Part 4.
 Hartert. Die Vögel des paläarktischen Fauna. Heft 6.
 Howard. British Warblers. Parts 4, 5.
 Keibel. Normentafeln zur Entwicklungsgeschichte der
 Wirbeltiere. Hefte i.-xi.
 Kerremans. Monographie des Buprestides. Tome iv., Livr.
 5-9; Tome v., Livr. 1-8.
 Kertész. Catalogus Dipteriorum. Band vi., vii.
 Kobelt. Rossmässler's Iconographie der europäischen Land-
 und Süßwasser-Mollusken. N. F. Band xvii., Lief. 1, 2.
 Martini und Chemnitz. Conchylien-Cabinet. Lief. 541-546.
 Mathews. The Birds of Australia. Vol. i., Part 1.
 Michaelson und Hartmeyer. Die Fauna Südwest-Australiens.
 Band ii., Lief. 24, 25; iii., Lief. 1-5.
 Nova Guinea. Résultats de l'Expédition Scientifique Néer-
 landaise. Vol. v., Livr. 3; ix., Livr. 1.
 Oberthür. Études de Lépidoptérologie comparée. Fasc. iii., iv.
 Patagonia. Princeton University Expeditions, 1896-99. Vol. ii.,
 Part 2; iii., Part 4; vii., Part 1.
 Piepers and Snellen. The Rhopalocera of Java (*Hesperidæ*).
 Plankton-Expedition der Humboldt-Stiftung. Porospathiden
 und Cadüden, von A. Borgert.

- Rippon. *Icones Ornithopterorum*. Parts xx.-xxiv.
 Römer und Schaudinn. *Fauna Arctica*. Band v., Lief. 1.
 Schwalbe. *Die Morphologie der Missbildungen des Menschen und der Tiere*. Teil iii., Lief. 3.
 Seitz. *Grossschmetterlinge der Erde*. Band i., Lief. 59-73 ;
 Band ii., Lief. 43-72.
 Semper. *Reisen im Archipel der Philippinen*. Band x., Hefte
 8-10.
 Swinhoe. *Lepidoptera Indica*. Parts lxxxii.-lxxxix.
 Taylor. *Land and Freshwater Mollusca of the British Islands*.
 Part xvii.
 Tryon. *Manual of Conchology*. Ser. 2, Parts lxxx., lxxxii.
 Tutt. *British Butterflies*. Vol. iii., Parts 19-21 ; iv., Parts 1-10.
 'Valdivia.' *Wissenschaftliche Ergebnisse der Deutschen Tiefsee
 Expedition auf dem Dampfer 'Valdivia,' 1898-99*. Band viii.,
 Lief. 1.
 Voeltzkow. *Reise in Ostafrika, 1903-05*. *Wissenschaftliche
 Ergebnisse*. Band ii., Heft 5 ; iii., Heft 2 ; iv., Heft 2.
 Wytsman. *Genera Avium*. Fasc. 9-12.
 ———. *Genera Insectorum*. Fasc. 82, 100-107.
Zoologica (Carl Chun). Heft lix., Lief. 1-5.

The following is a list of periodicals received in 1910 from the various Societies and Institutions with which this Society is in correspondence:—

AFRICA.

- Cape Town: *Royal Soc. of S. Afr., Trans.* i., part 2.
 " " *S. Afr. Mus., Report* 1909.
 London: *S. Afr. Ornithol. Union, Journ.* v., no. 3 ; vi., no. 1.
 Pretoria: *Transvaal Mus., Annals*, ii., nos. 1, 2, and Suppl.

AMERICA (North).

- Berkeley: *Univ. of California. Publications in Geology*, v., nos. 22-30 ; in *Physiology*, iii., nos. 16, 17 ; in *Zoology*, v., nos. 5-12 ; vi., nos. 4-11.
 Boston: *Amer. Acad. of Arts and Sci., Proc.* xlv., nos. 3-21 ; xlvi., nos. 1-11.
 " *Boston Soc. Nat. Hist., Proc.* xxxiv., nos. 5-8 ; *Occas. Papers*, vii., no. 11.
 Brooklyn: *Inst. of Art. & Sci., Bull.* i., no. 17 ; *Report* 1909.
 Cambridge, Mass.: *Mus. Comp. Zool. Harvard Coll., Bull.* lii., nos. 15-17 ; liv., no. 1 ; *Mem.* xl., no. 1 ; xli., *Report* 1909-10.
 " *Tufts College, Studies*, iii., no. 1.
 Chicago: *Field Mus. Nat. Hist., Rep. Ser.*, iii., no. 4 ; *Zool. Ser.*, vii., nos. 8-12 ; ix. ; x., nos. 1-4 ; *Ornithol. Ser.*, i., no. 6.
 Colorado Springs: *Univ. of Colorado, Studies*, vii., nos. 1-4.
 Halifax: *Nova Scotian Inst. Sci., Proc. and Trans.*, xii., part 2.
 Montreal: *Roy. Soc. Canada, Proc. and Trans. Ser.* 3, ii., part 2 ; iii.

- New York: Amer. Mus. Nat. Hist., Bull. xxvii., xxviii., Art. 1-28; Journ. x.
 " " N. Y. Acad. Sci., Annals, xix., parts 1-3.
 " " Zool. Soc., Rep. 14th 1909 (1910); Bull. nos. 37-42.
 Ottawa: Geol. Surv. of Canada, Publications for 1909.
 Philadelphia: Acad. Nat. Sci., Proc., 1909, part 3; 1910, parts 1, 2; Entomol. News, xxi., nos. 1-10; Journ. ser. 2, xiv., no. 2; A Short History of the Academy.
 " Amer. Ent. Soc., Trans. xxxv., no. 4; xxxvi., nos. 1-2.
 " Amer. Phil. Soc., Proc. xlviii., nos. 193-196.
 Pittsburgh: Carnegie Mus. Annals, vi., nos. 2-4; Mem. iv., no. 5; Report 1910; Founders' Day, 1910.
 San Francisco: California Acad. of Sci., Proc., ser. 4, iii., pp. 49-72.
 Toronto: Univ. of Toronto, Studies (Geol. Ser.), nos. 6, 7; (Biol. Ser.), no. 8.
 Urbana: Illinois State Lab. Nat. Hist., Bull., viii., Art. 3-5.
 Washington: Biol. Soc., Proc. xxii., pp. 205-218; xxiii., pp. 1-164.
 " Carnegie Inst., Public., no. 121.
 " Dept. of Comm. and Labor, Bureau of Fisheries, Bull. xxviii., parts 1, 2.
 " Smiths. Inst., Miscell. Coll., li., part 4; lii., part 4; liii., parts 6, 7; liv., parts 1-7; lv.; lvi., parts 1-13; lvii., part 1; Rep. 1908.
 " U. S. Nat. Mus., Bull. nos. 66, 68, 69, 71, part 1, 72-74; Proc. xxxvii; Ann. Rep. 1909.
 " U. S. Geol. Surv.; Bull. nos. 398, 406, 407, 415, 417, 419, 420, 422, 425-428, 432; Professional Papers, no. 68; Water-supply Papers nos. 237, 239, 241, 243, 244, 246-252.
 " U. S. Dep. Agri. (Biological Survey), Bull., no. 35; (Division of Entomol.), Bull., N. S. nos. 58, 64, 66, 80, 82, 85, 89; Technical Ser. nos. 16, 18, 19; Farmer's Bull., nos. 390, 397, 418.
 " Washington Ac. Sci., Proc. xi.

AMERICA (South).

- Buenos Aires: Nat. Mus., Anales, ser. 3, xi., xii.
 La Plata: Museo, Revista, xvi.
 Para: Goeldi Mus., Boletim, vi.
 Santiago: Nat. Mus., Bol., i.

AUSTRALIA.

- Adelaide: Roy. Soc. S. Austr., Mem. ii., part 2; Proc. xxxiii.
 Melbourne: Roy. Soc. Vict., Trans. and Proc., N.S. xxii., part 2; xxiii., part 1; Trans. v., part 1.
 Sydney: Austr. Mus., Records, vii., part 5; viii., part 1; Mem. iv., part 12; Rep. 1909-10.
 " Dept. Fisheries, N.S.W., Report, 1909.
 " Linn. Soc. N.S.W., Proc. xxxiv., parts 3, 4; xxxv. parts 1-3.
 Tasmania: Roy. Soc., Papers and Proc. 1909.

AUSTRIA-HUNGARY.

- Budapest: Roy. Hung. Mus., Annales, vii., part 2; viii., part 1.
 Cracow: Acad. Sci., Bull. 1909, nos. 9-10; 1910, nos. 1-7; Proc. xlii., xliii.
 Vienna: Imp. Acad. Sci.; Anzeiger, xlvi.; Denkschr. lxxi., Halband 1., lxxx., lxxxiv.; Sitzungsber. cxvii., Hefte 8-10; cxviii.; cxix., Hefte 1-5.
 „ Zool.-Bot. Soc., Abhandl. v., Hefte 1-5; Verhandl. lix., Heft 10; lx., Hefte 1-8.

BELGIUM.

- Brussels: Ent. Soc. Belg., Annales, liii.
 „ Geol. Soc. Belgium, Bull. 1909-1910., fasc. 1, 2.
 „ Roy. Acad. Sci., Mém. (8vo), ii., fasc. 6, 7; (4to) ii., fasc. 4, 5; iii., fasc. 1; Bull. 1909, nos. 9-12; 1910, nos. 1-10; Annuaire, 1910.
 „ Roy. Mus. Hist. Nat. Belgium, Mém., iv., v.
 „ Roy. Zool. Malac. Soc., Annales, xliii., fasc. 4; xliv.

DENMARK.

- Copenhagen: Roy. Dan. Soc. Sci., Översigt, 1910, nos. 1-5; Skrifter (Mémoires), ser. 7, v., nos. 3, 4; vi., no. 5; viii., no. 4.
 „ Nat. Hist. Soc., Videnskabelige Meddelelser. 1909.
 „ Bureau of the Internat. Council for the Exploration of the Sea, Bull. 1908-09; 1910, part 1; Bull. Statistics. iv.; Rapp. xii.; Public. de circonstance, nos. 48-51.
 „ Danish Committee for the Study of the Sea. Meddel., Ser. Fiskeri, iii., nos. 7, 8; Ser. Plankton, i., nos. 7, 8.

FRANCE.

- Caen: Linn. Soc. Normand., Mem. xxiii., fasc 2.
 Lyon: Roy. Agric. Soc., Annales, 1908, 1909.
 Monaco: Inst. Océanogr.; Bull. nos. 156-184.
 Paris: Entomol. Soc., Annales, lxxviii., fasc. 3, 4; lxxix., fasc. 1, 2.
 „ Mus. Nat. Hist., Nouv. Archives, sér. 5, i., fasc. 1, 2; Bull. 1909, nos. 5-8; 1910, nos. 1, 2.
 „ Philomath. Soc., Bull. sér. 10; i., nos. 4-6; ii., nos. 1-3.
 „ Zool. Soc. France, Mém. xxii., nos. 3, 4; Bull. xxxiv., no. 10; xxxv., nos. 1-9.

GERMANY.

- Berlin: Roy. Pruss. Acad. Sci., Abhandl. 1899-1900, 1909; Sitzungsber. 1909, Hefte 40-53; 1910, 1-39.
 „ Soc. Friends of Nat. Hist., Sitzungs-Berichte, 1909, Hefte 8-10; 1910, Hefte 1-7.

- Bonn: Nat. Hist. Union of Rheinland & Westphalia, Verhandl. Jahrg. lxvi., Hälfte 2; Sitzungsber. 1909, Hälfte 2.
- Frankfort-on-Main: New Zool. Soc., 'Der zoologische Beobachter,' Jahr. li., nos. 1-9.
- " Senckenb. Nat. Hist. Soc., Abhandl. xxxii.; Bericht, xli., Hefte 1, 2.
- Freiburg: Nat. Hist. Soc., Bericht xviii., Heft 1.
- Göttingen: Roy. Soc. Sci., Nachrichten (Mathem.-physikal. Klasse), 1909, Heft 4; 1910, Hefte 1-3; (Geschäftliche Mittheil.), 1909, Heft 4; 1910, Hefte 1-5.
- Halle: Imp. Leopold-Carol. Ac. of Naturalists, Nova Acta, xc., xci.; Leopoldina, Heft 45.
- " Zool. Gardens, Mittheil. vi., Hefte 1-5.
- Jena: Med. & Nat. Hist. Soc., Jenaische Zeitschrift, xlv., Heft 2; xlvi., Hefte 1-3; Denkschr., xiv., xv., xvi., Hefte 1-3.
- Kiel: Biological Station of Heligoland. Wissenschaftliche Meeresuntersuchungen. N. F. (Abh. Helgoland), ix., Heft 2.
- Munich: Roy. Bavarian Acad. Sci., Sitzungsber. 1909, Hefte 15-19; 1910; Abhandl. xxiv., Abt. 3; xxv., Abt. 1-4; Suppl. Bd. i., Abt. 7-10; ii., Abt. 2; iii., Abt. 1; iv., Abt. 1, 2.
- Münster: Westphalian Prov. Union Sci., xxxviii., Jahres-Bericht, 1909-10.
- Württemberg: Nat. Hist. Union, Jahreshefte, Jahrg. lxvi., and 2 Suppls.

GREAT BRITAIN and IRELAND.

- Belfast: Nat. Hist. and Phil. Soc., Rep. and Proc. 1908-09.
- Birmingham: Nat. Hist. and Phil. Soc., Proc., xii., no. 3.
- Cambridge: Phil. Soc., Proc. xv., parts 4-6; Trans. xxi., parts 10-14.
- Dublin: Dept. of Agric. (Fisheries Branch) for Ireland, Rep., Sci. Investig., 1908, 1909.
- " Roy. Dublin Soc., Sci. Proc. n.s. xii., nos. 24-36
Economic Proc. ii, nos. 1-26.
- " Roy. Irish Acad., Proc. (Sect. B.) xxviii., nos. 7-8.
- Edinburgh: Fishery Board for Scotland, Rep., xxxvii., part 3; xxxviii., part 2.
- " Roy. Phys. Soc., Proc. xviii., parts 1, 2.
- " Roy. Soc., Proc. xxx., parts 1-6; Trans. xlvii., parts 1, 2.
- Liverpool: Univ. of, Ann. of Trop. Medicine, iii., no. 5; iv., nos. 1, 2.
- London: Brit. Assoc., Report 79th Meeting, Winnipeg, 1909; Handbook, Sheffield, 1910.
- " Brit. Ornith. Club, Bull. xxv.
- " Brit. Ornith. Union, 'Ibis,' 1910 (2 copies).
- " Entom. Soc., Trans., 1909.
- " Geol. Soc., Quarterly Journ. lxvi.; Geol. Literature added to the Library, 1909.

- London : Linn. Soc., Journ. (Zool.), xxx., nos. 201, 202 ; xxxi., no. 207 ; (Botany), xxxix., no. 272 ; Trans. (Zool.), ser. 2, xiii., nos. 1-3 ; Proc., 1909-10.
- ” Roy. Agricultural Soc., Journ. lxx.
- ” Royal Gard. Kew, Bull. 1910.
- ” Roy. Geogr. Soc., ‘Geographical Journ.’ xxxv., xxxvi.
- ” South Lond. Ent. & Nat. Hist. Soc., Proc. 1909-10.
- ” Roy. Soc., Phil. Trans. (ser. B), vol. 201, pp. 1-226 ; Proc. (B), lxxxii., lxxxiii., nos. 561, 562 ; Year Book, 1910 ; Rep. Evolution Comm. v.
- ” Roy. Unit. Serv. Inst., Journ. 1910.
- ” Selborne Soc., ‘Selborne Mag.’ xxi.
- Manchester : Lit. & Phil. Soc., Mem. & Proc., liv., parts 1-3.
- ” Owens Coll., Report, 1909-10.
- Newcastle-on-Tyne : Northumberland Sea Fish. Comm., Rep., 1909-10.
- Plymouth : Marine Biol. Assoc., Journ., N.S. viii., no. 5 ; ix., no. 1.
- York : Yorks. Phil. Soc., Ann. Rep. 1909.

HOLLAND.

- Amsterdam : Roy. Acad. Sci., Verhand. sect. 2, xv., no. 2 ; xvi., nos. 1-3 ; Verslagen der Zittingen, xviii. ; Proc. (Section of Science), xii.
- Haarlem : Dutch Soc. Sci., Archives Néerlandaises, sér. 2, xv., parts 1-4.
- The Hague : Entom. Soc. Nether., Tijdschr. voor Entom., liii., afl. 1-4 ; Entom. Berichten, deel iii., nos. 49-54.
- Leyden : Mus. Nat. Hist., Notes, xxxi., nos. 3, 4 ; xxxii., nos. 1-3.

INDIA AND CEYLON.

- Bombay : Bombay Nat. Hist. Soc., Journ. xix., nos. 3-5 ; xx., nos. 1, 2.
- Calcutta : Asiat. Soc. Bengal, Journ. and Proc., iv., nos. 5-11 ; Mem., ii., nos. 5-9.
- ” Dept. of Agric. in India, Mem., (Entom. Ser.) ii., no. 8 ; Bull., no. 15 ; Rep., 1907-09.
- ” Geol. Surv. India, Mem. Palæont. Indica, ser. xv., iv., part 2 ; vi., part 1 ; N.S., ii., part 5 ; iii., part 1 fasc. 1 ; Records, xxxviii., part 4 ; xl., parts 1-3 ; Mem., xxxvii. ; xxxviii.
- ” Indian Museum, Records, iii., part 4 ; iv., parts 1-4.
- Colombo : Asiatic Soc. Ceylon Br., Journ., xxi., no. 62.
- ” Colombo Museum : ‘Spolia Zeylanica,’ vi., parts 23-25.

ITALY.

- Florence : Nat. Centr. Library, Bollettino, 1910.
- Milan : Ital. Soc. Nat. Sci., Atti, xlvi., fasc. 4 ; xlix., fasc. 1.
- Naples : Zool. Stat., Mittheilungen, xix., Heft 4 ; xx., Heft 1.
- Rome : Roy. Acad. Lincei, Atti, xix. (i), (ii) fasc. 1-11 ; Atti (Rendiconto) ii. (1910) ; Memorie, ser. 5, vii., fasc. 11, 12 ; viii., fasc. 1-6.
- Turin : Roy. Acad. Sci., Atti, xlv., nos. 1-15 ; Mem. lx.

JAPAN.

Tokyo: Imp. Univ., Journ. of the College of Sci., xxvii., Art. 7-14 ;
Annotations, vii., part 3 ; Mittheil., viii., no. 3 ;
ix., no. 1.

MALAY STATES.

Kuala Lumpur: Federated Malay States Mus., Journ. iv., no. 1.

NEW ZEALAND.

Wellington: New. Zeal. Inst., Trans. xlii.; Proc. 1909, parts 3, 4.

NORWAY.

Bergen: Bergen Mus., Naturen, 1910 ; Aarbog, 1909, part 3 ;
1910, parts 1, 2 ; Aarsberetning, 1909 ; 'Account
of the Crustacea of Norway,' by G. O. Sars, v.,
parts 27-30.

Christiania: Soc. Sci., Forhandlingar, 1909 ; Skrifter, 1909.

ROUMANIA.

Jassy: Univ. of Jassy, Annales Scientifiques, vi., fasc. 2, 3.

RUSSIA.

Dorpat: Nat. Hist. Soc., Sitzungsber., xviii., Hefte 2-4.

Helsingfors: Soc. Sci. Finland, Acta, xxxvii.-xl.; Öfversigt, li.,
lii ; Bidrag, lxvii.

Moscow: Imp. Soc. Nat., Bulletin, 1908, nos. 3, 4 ; 1909.

St. Petersburg: Entom. Soc., Russia, 'Rev. Russe d'Ent.,' ix.,
nos. 3, 4 ; x., nos. 1-3.

" Roy. Acad. Sci., Annuaire Mus. Zool., 1909, nos. 3, 4,
and Beilage ; 1910, nos. 1, 2, and Beilage ; Bull.
1910, nos. 1-18 ; Mém. sér. 8, xviii., nos. 14, 16 ;
xxiv., nos. 2, 3, 9.

Tiflis: Caucasian Mus., Mittheil. iv., Lief. 4 ; v., Lief. 1.

SPAIN.

Barcelona: Inst. Nat. Hist., Bull. vi., nos. 7-9 ; vii., nos. 2-6.

Madrid: Roy. Acad. Sci., Revista, viii., nos. 4-12 ; ix., nos. 1-4 ;
Mem. xiv., xv. ; Anuario, 1910.

SWEDEN.

Stockholm: Roy. Swed. Acad. Sci.; Handlingar, N.F. xlii., no.
10 ; xliv., no. 3 ; xlv., nos. 3-7 ; Arkiv, vi., Häfte
1-4 ; Årsbok, 1910.

SWITZERLAND.

- Geneva: Phys. & Nat. Hist. Soc., Mémoires, xxxvi., fasc. 2, 3.
 Lausanne: Vaud. Soc. Nat. Sci., Bulletin, sér. 5, xlvi., nos. 168-170.
 Neuchâtel: Soc. Nat. Sci., Bull. xxxvi.
 Zurich: Nat. Hist. Soc., Vierteljahrsschrift, liv., Hefte 3, 4; lv., Hefte 1, 2.

WEST INDIES.

- Barbados: Agric. Depart. W. Ind., 'West Indian Bulletin,' x. no. 4; xi., no. 1; Pamphl. ser. nos. 63-66.

Donations, memoirs, and papers have also been received from:—A. F. Abercromby, Esq.; Dr. F. Ameghino; L. G. Andersson, Esq.; the Royal Zoological Soc. of Antwerp; the Editors of the 'American Journal of Science'; the Editor of the 'Athenæum'; the Avicultural Society; the Zoological Gardens, Basel; the Bristol Museum; Dr. P. Carus; F. Chapman, Esq.; Prof. R. Collett; Dr. W. E. Cudger; Sir E. Dunning-Lawrence, Bt.; Frank Finn, Esq.; Capt. S. S. Flower; the Foreign Bird Club; W. W. Froggatt, Esq.; Dr. Theo. Gill; J. H. Gurney, Esq.; Dr. L. Heck; J. Hopkinson, Esq.; the Editor of the 'Indian Forester'; Department of Agriculture for Ireland (Fisheries Branch); the Editors of the 'Journal of Comparative Pathology and Therapeutics'; the Zoological Gardens, Köln-am-Rhein; Dr. F. Laurie; Prof. E. Lönnberg; the Madras Fisheries Bureau; the Madras Government Museum; Prof. G. Martorelli; A. G. Mayer, Esq.; Prof. Alex. Meek; Dr. P. Chalmers Mitchell; the Rev. A. Miles Moss; the Editor of 'Nature'; the Zoological Society of New South Wales; the State University of Oklahoma; the Zoological Society of Philadelphia; J. J. Quelch, Esq.; the Rhodesia Museum; the Hon. N. C. Rothschild; Dr. P. L. Sclater; Dr. R. W. Shufeldt; the Sleeping Sickness Bureau; Herr O. Solberg; South African Central Locust Bureau; the Zoological and Acclimatisation Society of Victoria; the National Museum of Wales; F. H. Waterhouse, Esq.; West Australian Museum and Art Gallery; Dr. S. W. Williston; Dr. H. Winge; the Geological Department of Yale University.

PROSECTORIAL DEPARTMENT.

The work in the Department was carried on actively in 1910. The Prosector, whose report is annexed, made a number of valuable contributions to the Society's Scientific Proceedings. The Pathologist has made *post mortem* examinations of all the animals that have died in the course of the year. Careful records of these examinations and specimens are preserved, and these, in course of time, will form an invaluable series of data for the study of comparative pathology. A summary of the Pathologist's work for 1910 was read at a Scientific Meeting in February, 1911, and will be published in the Society's 'Proceedings.' The Pathologist has also furnished useful practical information to the Curators and the Garden Committee.

The Council, on the advice of the Prosectorial Committee, have now been able to arrange for systematic investigation of the arthropod and vermiform parasites that are found in animals in the collection. Dr. R. T. Leiper, F.Z.S., of the London School of Tropical Medicine, has undertaken to examine nematode worms; Dr. W. Nicoll, F.Z.S., of the Lister Institute, trematode worms; Mr. A. F. Coventry, one of the staff of the Linacre Professor of Zoology at Oxford, the arthropods; and Mr. F. E. Beddard, F.R.S., the Society's Prosector, the cestodes. These gentlemen have agreed to report monthly on the material they receive, and to aid in the formation of a collection of preserved and named specimens, to be retained by the Society. The type specimens of new species are to be sent to the Museum of the Royal College of Surgeons in the case of the worm-like parasites, and to the British Museum (Natural History) in the case of the arthropods. The Hon. N. C. Rothschild, F.Z.S., has very kindly assisted with the initial expenditure involved in the scheme by a donation of £20. The Pathologist, as formerly, will continue to investigate and report on the blood parasites. It is hoped that this systematic investigation will not only extend scientific knowledge, but lead to results of practical utility, as the relation between parasites and disease is a most important branch of preventive medicine.

Further steps have been taken to secure a fuller use of the anatomical and pathological material that is furnished by the collection. The Prosector and the Pathologist have supplied various persons and institutions with specimens. Arrangements have been made by which the Zoological Department of the British Museum can notify their requirements in advance. The Society's own collection of skins or specimens, useful in identifying new arrivals, has been considerably increased, and valuable material has been preserved for future research.

The Prosector of the Society, Mr. F. E. Beddard, M.A., F.R.S., reports as follows:—

The work done in the Prosectorium has been, as in former years, zoological, anatomical, and pathological. The pathological work is reported on separately. The zoological and anatomical work has been chiefly carried on by the Prosector, though other persons have used the Laboratory for their researches.

Research carried out in the Prosectorium.

During the year the Prosector has dissected a large number of mammals, birds, reptiles, and batrachians which have died in the Gardens. The results derived from these dissections have been already, in part, communicated to the Society at the scientific meetings, and, in part, either placed in the hands of the Secretary for communication at future meetings, or stored up in the form of notes and sketches to be enlarged and re-studied later. It is important to notice that the anatomical investigations have not in the least interfered with the work of the Pathologist. Besides this work the Prosector has been engaged during the last three months of the year almost entirely upon the study of the tape-worms found in animals which have died in the Gardens, and has accumulated a large number of specimens, some of which have already been subjected to anatomical investigation, while others remain for study in the immediate future.

*Material supplied for purpose of Research or to
Museums.*

Some material for research has been supplied to Dr. W. Wright, of the London Hospital, while Dr. P. Rendall has

utilised the Laboratory for work upon the anatomy of mammals. The Museum of the Royal College of Surgeons and the British Museum have acquired some specimens for their respective collections.

Preservation of material for future use.

A number of skins of mammals and birds, and the bodies of a number of reptiles, have been added to the stores of material preserved in the Prosectorium for various purposes.

Information given to various persons upon Zoological matters.

The Prosector has identified for the Director of the Scientific Bureau of the Philippine Islands a number of earth-worms sent to him for that purpose, and other information has been given to other persons.

The Society's Pathologist, Mr. H. G. Plimmer, F.R.S., reports as follows:—

During the past year 1,554 animals have died, and detailed records have been kept of the pathological conditions. A paper dealing analytically with the causes of death was read at a Meeting of the Society on 21st February, 1911, and was illustrated with micro-photographs of some of the pathological conditions, &c., found during the year. This will be published in the *Proceedings*.

THE GARDENS.

EXHIBITION OF AFRICAN ANIMALS.

When it was made known that H.M. the King, as Prince of Wales, was to visit South Africa to open the Union Parliament last year, arrangements were made in the Cape, Natal, the Orange River Colony, the Transvaal and Rhodesia, to present to His Royal Highness a collection of South African animals. The Prince of Wales announced his willingness to receive such a collection, and his permission for it to be exhibited during the summer in the Zoological Gardens as the Prince of Wales'

South African Collection. Mr. A. Trevor-Battye, a member of the Council of this Society, spent some months in South Africa to give the South African Committee any assistance in his power, and to make arrangements for the housing and transport of the animals for which this Society was to be responsible. The death of King Edward, and the consequent change in the Royal plans, cancelled most of the arrangements which had been made. Later on, however, they were revived, and Major Stevenson Hamilton, C.M.Z.S., Game Warden of the Transvaal, has been assisting on behalf of the Society. It is expected that the collection will arrive in this country early in the summer of 1911, and be exhibited throughout the summer as the King's African Collection. Preparations are being made to display the collection in enclosures along the main walk from the South Gate towards the Monkey House.

NEW WORKS AND REPAIRS.

GENERAL.

The foot-paths throughout the Gardens have been repaired, and in many places widened and made more direct. The principal paths have been treated with a composition of tar, which has made them much dryer in wet weather and less dusty in dry weather. The work had to be stopped during winter, but it is hoped that it will be completed throughout the Gardens in the course of the year, and kept up in future. Sign-posts giving directions to the main places of interest have been set up in a number of places. A large scale coloured plan of the present arrangement of the Gardens, prepared by the Inspector of Works, has been duplicated, and copies placed in the more important buildings. Most of the seats have been repaired and painted, the barbed wire round the boundary fences has been renewed, and a large number of minor works, too numerous to mention, have been carried out.

NORTH GARDEN.

LANDSLIP.—The north bank of the canal, a considerable portion of which consists of made ground, has given trouble from time to time. About three years ago there was an extensive although superficial slip which was

successfully treated by concrete groins. In consequence of another slip early last winter a further portion had to be treated in the same way.

CROWS' CAGES.—These have been repaired and entirely re-wired.

HEAD GARDENER'S HOUSE AND NORTH ENTRANCE.—These have been cleaned, painted, and put in thorough order.

CIVETS' CAGES AND CANAL BRIDGE.—These have been cleaned, repaired, and painted.

MIDDLE GARDEN.

KANGAROO SHEDS.—These have been cleaned, repaired, and painted throughout. The path between them and the Garden entrance of the new offices has been made up and paved with tar-macadam.

PARROT HOUSE.—This has been repaired and painted.

APPROACH TO TUNNEL.—This foot-path, which is on a steep gradient, and was constantly being damaged by rain-water, has been relaid and permanently paved with tar-macadam.

SUPERINTENDENT'S PRIVATE GATE.—The entrance gate has been moved to a more convenient position, and a covered way to the house has been formed.

SOUTH GARDEN.

POLAR BEARS' ENCLOSURE.—This was completed early in the year and the bears were successfully transferred to it. This new enclosure is much better adapted for the bears, and has given great pleasure to visitors and Fellows.

BIRDS OF PREY AVIARIES.—These also were completed early in the year, and appear to be very successful. The placing of masses of rock-work in them was considered but decided against. Rockwork would have been costly, difficult to keep clean, and although it might have been admired by visitors would not have increased the comfort of the birds.

EASTERN AVIARY.—All the back compartments have been cleaned, disinfected, distempered and painted, and put into thorough order.

MAIN ENTRANCE.—A large semi-circular sweep was formed in front of the main gate, and the paths leading into the Gardens were re-arranged, and stands for parrots set up. The alterations appear to have much improved the appearance of the entrance, the open space being convenient for visitors and for the bath-chairs.

SMALL BIRD HOUSE.—The stacks of small cages in the centre were removed and replaced by two ornamental aviaries, divided respectively into two and three compartments.

APES' HOUSE.—The cages in which the large oranges are kept were re-wired with specially stout wire, as the apes had learned to untwist the meshes of the net-work with their fingers.

WOLVES' AND FOXES' CAGES.—These have been thoroughly repaired, cleaned, and painted.

SOUTHERN PADDOCKS.—Trenches have been dug and a system of land drains and brick rubble channels formed to drain the ground. The soil, however, is so wet that a permanent cure can be effected only by the costly process of digging out and replacing completely the surface soil with drained rubble.

CAMEL HOUSE AND CLOCK TOWER.—These have been repaired and painted.

ANTELOPE HOUSE.—A water supply has been laid on to the drinking troughs in the dens.

REFRESHMENT ROOMS.—The usual annual repairs and decorations were carried out, and the ovens and boilers were thoroughly overhauled.

GARDENING DEPARTMENT.—Under the capable superintendence of Mr. John Young, the Society's Head Gardener, the floral decoration of the Gardens has maintained its high character. The various alterations in paths and enclosures have frequently thrown a heavy task on Mr. Young, who has continued to meet all difficulties with energy and resource. The flowering of a fine American Agave, in the autumn, was a special attraction to visitors.

NEW WORKS FOR 1911.

A small temporary improvement was completed early in the year. The old semi-circular aviary near the Otter-pond,

formerly known as the Kestrels' Aviary, has been repaired and painted and provided with light flight-cages, suitable for budgerigars and other small birds. It will be known for the present as the Crescent Aviary.

The large triangular piece of ground known as the Western Paddock, and taken into the Gardens in 1908, is being laid out for water-fowl, and will be ready before the Annual Meeting. The Society possesses a fine series of these birds, but has been unable to find adequate accommodation for them. The ground will be occupied by an ornamental pond, with lawns and islands, suitable for ducks and flamingoes, and a set of large paddocks specially suitable for breeding pairs of geese and the larger ducks. Each paddock has a small pond, and is fenced off by a double partition of wire netting enclosing shrubs.

The old polar bears' pond and the old polar bear pit are being much enlarged, decorated with rock work, and provided with large tanks arranged to resemble natural pools. These two new enclosures will be suitable for large carnivora, and will be occupied by as many bears as can be put together safely.

As it is inevitable that considerable expenditure will be incurred in connection with the transport and exhibition of the African Collection, the Council have decided not to arrange definitely for further extraordinary expenditure during 1911, but to push ahead with the equally important work of gradually improving the appearance and sanitary conditions of the existing buildings and enclosures. In the meantime they are collecting, discussing, and filing information as to the best devices, old and new, in other zoological institutions, for the comfort and display of living animals.

REFRESHMENT DEPARTMENT.

The provision of refreshments at the Gardens has been in the hands of Messrs. Spiers and Pond for many years. By an agreement made in 1897, that firm, in return for an annual rental of £1,000, was given the sole right of catering and of selling provisions at the Gardens until

December 31st, 1905 ; in January, 1903, the firm was given an extension of the period until December 31st, 1912, at the same rental, with the addition that Messrs. Spiers and Pond undertook to repay by equal annual instalments a capital expenditure of £500, incurred by the Society for the drainage of the refreshment rooms.

The Council, therefore, will have to make a new arrangement for catering at the Gardens, to come into operation on January 1st, 1913. It is open to the Society to undertake its own catering, or to make a new arrangement with the present contractors or with another firm. The direct advantage to the Society of receiving a higher rental has to be weighed against the indirect advantage of better and cheaper refreshments. The general public require good refreshments at low rates ; there is also a demand for high-class catering, and special arrangements should be made for Fellows. The matter is extremely complicated and of serious importance to the prosperity of the Society. The Council propose to appoint, not later than August, 1911, an Advisory Committee of Fellows, some of whom should have special knowledge of catering, to consider the question and report to Council.

STAFF AT THE GARDENS.

The following Table shows the staff (Menagerie) as it now exists :—

Superintendent and Curator of Mammals and Reptiles.

Inspector of Works and Curator of Birds.

Prosector.

Pathologist.

Assistant Superintendent.

12 Head Keepers of the following Sections (distinguished by gold badges).

Apes and Monkeys.

Large Carnivora.

Small Mammals.

Ungulates in South Garden.

Elephants and Rhinoceroses.

Giraffes, Tapirs and Hippos.

Equine Animals.

Reptiles and Batrachians.

Water-Fowl.

Ostriches, Cranes, and
Game birds.

Small birds.

Parrots and Birds of Prey.

- 4 Senior Keepers (distinguished by silver badges).
 19 Junior Keepers (distinguished by green badges).
 27 Helpers. | 3 Dungmen.
 1 Stableman. | 2 Stokers.
 1 Storekeeper. | 2 Night-Watchmen.
 1 Assistant Storekeeper. | 3 Money Takers
 1 Engine-driver. | 1 Time-keeper.
 2 Butchers. | 1 Housekeeper.

Works.

- 1 Clerk of the Works. | 2 Wireworkers.
 3 Carpenters. | 1 Networker.
 1 Bricklayer. | 3 Painters (average).
 1 Smith. | 10 Labourers.

The permanent staff, reduced in 1907, has been kept as low as possible, additional men being taken on for special jobs as required.

Gardens.

- 1 Head Gardener. | 13 Garden Labourers.
 1 Propagator. | 1 Boy.
 1 Assistant Propagator.

Prosectorium.

- 1 Assistant. 2 Boys.

VISITORS.

The weather was by no means favourable in 1910, especially in spring and summer. It is therefore gratifying to report that the total number of visitors during the year was 897,461, an increase of 100,403 on the figures for the preceding year. As will be seen from the table on p. 44, the year 1910 was in this respect the second best in the history of the Society, the number of visitors having been greater only in 1876, when the Indian Collection, deposited by His late Majesty King Edward, then Prince of Wales, was exhibited in the Gardens. The Council hope that this result shows the public approval of the improvements in the Gardens, and that if the weather is good in 1911, the attraction of the Coronation year, and the special exhibition of the King's African Collection, will lead to a still further increase in our prosperity, and make possible a more rapid progress in the Gardens.

The following table summarises the different classes of visitors to the Gardens during the past two years :—

	1909.	1910.	Comparison.
Fellows and Companions (Signatures)	33,767	38,892	Inc. 5,125
Do. Saturday orders	5,043	5,527	Inc. 484
Do. Sunday orders	34,375	37,825	Inc. 3,450
Do. Green tickets	118,565	137,568	Inc. 19,003
Do. Buff tickets (Children) ..	18,332	20,762	Inc. 2,430
Do. Ivory tickets	973	1,149	Inc. 176
Honorary Admission tickets ...	1,281	1,363	Inc. 82
Red tickets (Complimentary) ...	1,041	1,399	Inc. 358
Artists' tickets	244	163	Dec. 81
Excursion tickets (reduced price) ...	9,318	9,753	Inc. 435
Single tickets sold in office at ordinary price	573	852	Inc. 279
Paying visitors at 1s. each	201,422	230,758	Inc. 29,336
Do. do. Mondays and other days at 6d. each	264,680	301,481	Inc. 36,801
Do. do. Children at 6d. each	61,127	65,868	Inc. 4,741
Staff	123	132	Inc. 9
Children from rate-aided Schools ...	35,792	32,360	Dec. 3,432
Police	7,930	8,707	Inc. 777
Railway tickets	2,472	2,902	Inc. 430
	<u>797,058</u>	<u>897,461</u>	<u>Net Inc. 100,403</u>

The number of visitors paying for admission at the turnstiles amounted to 598,107, showing an increase of 70,878 as compared with the year 1909. It will be observed from the above table that there was an increase under all but two heads; the slight decrease in the number of children from Council and Grant-aided Schools, admitted by cheap orders, was probably due to the wet weather in June and July. The total number of Sunday visitors during the year 1910 was 150,772, showing an increase of 19,903 as compared with the previous year.

NUMBER OF VISITORS ON BANK-HOLIDAYS.

The total number of visitors admitted upon the three principal Bank-Holidays in 1910 amounted to 98,189, an increase of 17,249 as compared with the corresponding holidays of the previous year.

	1909.	1910.
Easter Monday...	27,375 (Unsettled)	40,861 (Fine)
Whit-Monday ...	28,025 (Fine)	32,062 (Very fine)
First Monday in August	25,540 (Fair)	25,266 (Fine)

The number of visitors to the Society's Gardens in every year since their opening in 1828 is given in the subjoined table:—

Number of Visitors to the Gardens, 1828-1910.

Year.	Number.	Year.	Number.
1828 ...	98,605	1870 ...	573,004
1829 ...	189,913	1871 ...	595,917
1830 ...	223,420	1872 ...	648,088
1831 ...	262,193	1873 ...	713,046
1832 ...	206,652	1874 ...	706,907
1833 ...	211,343	1875 ...	699,918
1834 ...	208,583	(c) 1876 ..	915,764
1835 ...	210,068	1877 ...	781,377
1836 ...	263,372	1878 ...	706,713
1837 ...	173,778	1879 ...	643,000
1838 ...	179,197	1880 ...	675,979
1839 ...	158,432	1881 ...	648,694
1840 ...	141,009	(d) 1882 ...	849,776
1841 ...	132,616	1883 ...	743,485
1842 ...	107,459	1884 ...	745,460
1843 ...	98,280	1885 ...	659,896
1844 ...	101,527	1886 ...	639,674
1845 ...	99,615	1887 ...	562,898
1846 ...	100,045	1888 ...	608,402
1847 ...	93,546	1889 ...	644,579
1848 ...	143,630	1890 ...	640,987
1849 ...	168,895	1891 ...	598,730
1850 ...	360,402	1892 ...	605,718
(a) 1851 ...	667,243	1893 ..	662,649
1852 ...	305,203	1894 ...	625,538
1853 ...	409,076	1895 ...	665,326
1854 ...	407,676	1896 ...	665,004
1855 ...	315,002	1897 ...	717,755
1856 ...	344,184	1898 ...	710,948
1857 ...	339,217	1899 ...	696,707
1858 ...	351,580	1900 ...	697,178
1859 ...	364,356	1901 ...	725,685
1860 ...	394,906	1902 ...	694,496
1861 ...	381,837	1903 ...	657,208
(b) 1862 ...	682,205	1904 ...	706,074
1863 ...	468,700	1905 ...	715,480
1864 ...	507,169	(e) 1906 ...	896,423
1865 ...	525,176	1907 ...	863,953
1866 ...	527,349	1908 ...	861,586
1867 ...	556,214	1909 ...	797,058
1868 ...	573,186	1910 ...	897,461
1869 ...	572,848		

(a) Great Exhibition.

(b) International Exhibition.

(c) Exhibition of H.M. King Edward's Indian Collection.

(d) Departure of Elephant 'Jumbo.'

(e) Exhibition of H.M. King George's Indian Collection.

FELLOWS' TICKETS.

The following table, showing the numbers of books and card-tickets issued in December for use in 1911, indicates the continued preference of Fellows for the green undated tickets of admission to the Gardens.

Saturday Order-Books	...	...	221
Sunday Order-Books	...	...	1,251
Green Cards (Adults)	...	...	200,110
Buff Cards (Children)	...	...	22,700

The green tickets are available on any day, including Sundays, and are not restricted to the year of issue. In the course of the year 213,977 were issued, and of these 137,568 were presented at the gates, rather more than two-thirds of that number being used on Sundays.

The attention of Fellows is directed to the fact that of the 1910 series of green tickets 76,409 still remain valid for presentation at the gates, and the total number of the unused green tickets of the previous five years still available for admission amounts to about 363,000. It may be mentioned that an increasing number of Fellows carry out the excellent practice of returning their unused tickets at the end of the year to be cancelled.

EXCURSION AND SCHOOL TICKETS.

The reduced prices now in operation for the admission of Excursion and School parties are as follows:—

ADULTS.	CHILDREN UNDER 12 YEARS.
25 to 50 @ 10 <i>d.</i> each.	50 to 100 @ 5 <i>d.</i> each.
51 to 100 @ 9 <i>d.</i> each.	101 to 250 @ 4 <i>d.</i> each.
101 to 250 @ 8 <i>d.</i> each.	251 and upwards @ 3 <i>d.</i> each.
251 to 500 @ 7 <i>d.</i> each.	
501 and upwards @ 6 <i>d.</i> each.	

If the date fixed for the proposed visit to the Gardens should be found, through unforeseen circumstances, unsuitable, the Tickets, upon being returned to the Office, may be endorsed for another day during the year of issue.

Special packets of School Excursion Tickets for the admission of 25 School Children (under 14 years of age) and one Teacher, may also be obtained for any fixed date (except Sunday) at the Society's Offices, at the reduced price of eleven shillings per packet.

CHEAP ORDERS for the admission of any number from 25 upwards of the children of Council or Grant-aided Schools to the Society's Gardens may be had undated for any day except Saturdays, Sundays and Mondays. The charge for an order to admit 25 Children with one or two Teachers is 3s., for an order for 50 Children and 2 Teachers 5s., and additional numbers may be obtained at the rate of Children 1d. each, Teachers 5d. each.

All applications for Tickets must be made to the Secretary at the Offices of the Society. Payment for admission at the reduced prices cannot be accepted at the turnstiles.

MENAGERIE.

Provisions.

The commissariat at the Gardens is of considerable interest. The following table gives the chief items of expenditure paid in 1909 and 1910:—

	1909.			1910.		
	£	s.	d.	£	s.	d.
Hay	529	8	9	554	4	6
Clover	481	2	9	402	4	0
Green-food and Chaff ...	116	0	6	269	8	6
Oats	322	18	5	320	4	9
Bran	85	10	0	70	19	3
Maize	70	7	5	68	13	8
Grain and Seeds	259	15	7	253	11	8
Fish (Sea)	408	12	5	373	17	3
„ (Freshwater)	41	19	9	72	5	0
Horses	298	10	3	301	8	10
Goats	90	17	1	94	2	6
Meat	141	12	1	159	14	3
Fowls' Heads	77	15	0	96	4	0
Milk	151	15	0	137	2	5
Fruit	584	2	9	536	14	0
Vegetables	228	7	7	181	8	4
Bread	130	5	0	135	9	2
Biscuit	193	2	5	275	14	4
Eggs	164	6	0	156	18	0
Food for Insectivorous Birds, &c.	205	15	5	189	8	10
Miscellaneous	34	15	0	48	11	4
	£4616	19	2	£4698	4	7

Return giving the Dry Fodder, Straw and Food-stuffs consumed in the Society's Gardens during the year ending December 31st, 1910 :—

Class.	Description.	Number or Quantity.
Fodder	Hay ...	161 Loads.
"	Clover ...	87 Loads.
"	Straw... ..	208 Loads.
"	Chaff	37 Tons, 3 cwt.
"	Tares	14,188 Bundles.
Grain	Oats	269 Quarters.
"	Bran	169 Quarters.
"	Wheat	342 Bushels.
"	Barley	144 Busheis.
"	Maize... ..	360 Bushels.
"	Dari	20 Bushels.
"	Beans... ..	12 Bushels.
"	Buckwheat	14 Bushels.
"	Rice	1 Ton, 4 cwt.
Seed	Canary	150 Bushels.
"	Hemp	86 Bushels.
"	Millet	63 $\frac{1}{4}$ Bushels.
"	Millet Spray... ..	12 Bunches.
"	Maw	28 lbs.
Fish	Flounders	3,014 lbs.
"	Plaice... ..	9,165 lbs.
"	Herrings	9,758 lbs.
"	Whiting	40,994 lbs.
"	Shrimps	1,835 Pints.
Flesh	Horses	218, weighing 33,572 stone.
"	Goats	152, weighing 760 stone.
"	Beef	1,206 Stone.
Milk	Condensed	2,724 Tins.
"	New	12,625 Pints.
Nuts	Spanish	28 Pecks.
"	Monkey	44 $\frac{1}{2}$ cwt.
"	Brazil... ..	294 lbs.
Fruit	Melons	28 lbs.
"	Pears	216
"	Bananas	97,884.
"	Apples	923 $\frac{1}{2}$ Pecks.
"	Apples	31 $\frac{1}{2}$ Cases.
"	Grapes	4,219 lbs.
"	Oranges	13,013.

Class.	Description.	Number or Quantity.
Fruit ...	Lemons ...	424.
" ...	Dates ...	2,638 lbs.
" ...	Currants .	216 lbs.
" ...	Figs ...	157 lbs.
" ...	Sultanas ...	311 lbs.
Vegetables...	Lettuce ...	19,908.
" ...	Greens ...	665½ Bushels.
" ...	Cress ...	1,379 Bunches.
" ...	Carrots ...	19,939 lbs.
" ...	Carrots ...	127 Bunches.
" ...	Potatoes ...	21,348 lbs.
" ...	Onions ...	100 lbs.
" ...	Onions ...	63 Bundles.
" ...	Mangel ...	7 Tons, 8 cwt., 2 qrs.
Miscellaneous	Biscuits ...	266 cwt.
" ...	Biscuits, Ground	41 cwt.
" ...	Bread... ...	6,808 quarterns:
" ...	Eggs ...	39,110.
" ...	Oil Cake ...	12 cwt.
" ...	Meat Extract...	116 ozs.
" ...	Fowls' Heads...	46,986.
" ...	Sugar ...	494 lbs.
" ...	Rabbits ...	350.
" ...	Guinea Pigs ...	12.
" ...	Pigeons ...	236.
" ...	Rats ...	3,657.
" ...	Mice ...	5,858.
" ...	Ducks ...	35.
" ...	Sparrows ...	3,575.

There is a decrease in most of the quantities as compared with 1909, due to revision of the rations. The increase in straw was the result of the wet weather, as it had to be changed more frequently. More wheat and barley were used at the Duck Ponds, and the extra quantities of crushed oats were chiefly for the Antelopes and Kangaroos. The increased quantities of biscuit-meal and bananas were used chiefly at the Small Bird House. Potatoes were used more than carrots, greens were taken instead of lettuce, and onions were added to the food used at the Pheasantries.

GENERAL CONDITION OF THE ANIMALS.

The general health of the Collection has been good, although there have been a certain number of disappointments. The Curators and Garden Committee have received much assistance from the Society's Pathologist, and from Messrs. Sewell and Cousens, Consulting Veterinary Surgeons to the Society. Special attention has been paid to disinfection and cleaning, and the new Sanatorium has made it possible to treat sick animals under better conditions. Towards the end of the year Messrs. Sewell and Cousens, who have been of great aid to the Society, found it necessary to resign, on account of the pressure of their professional work. The Council have been so fortunate, by the kindness of Principal Sir John McFadyean and the Governors, to arrange a system of co-operation with the Royal Veterinary College at Camden Town. Professor J. Macqueen and Professor G. H. Woolridge, who have given us advice from time to time, have accepted the appointments of Honorary Consulting Veterinary Surgeons to the Society, and Mr. B. Gorton, also of the staff of the College, has been appointed acting Veterinary Surgeon at a small salary. Mr. Gorton attends daily, and is in special charge of the Sanatorium, whilst he, under the advice of the Honorary Surgeons, treats the sick animals, and reports monthly to the Garden Committee. The new arrangement came into force in the beginning of 1911, and appears to be to the great advantage of the Society.

List of Mammals bred in the Gardens in 1910.

- 1 Black Lemur (*Lemur macaco*).
- 1 Ring-tailed Lemur (*Lemur catta*).
- 1 Fulvous Lemur (*Lemur fulvus*).
- 2 Black-headed Lemurs (*Lemur fulvus brunneus*).
- 1 Hybrid Black and Red-fronted Lemur
(*Lemur macaco* × *Lemur fulvus rufifrons*)
- 1 Collared Fruit Bat (*Cynonycteris collaris*).
- 2 Leopards (*Felis pardus*).
- 15 Dingos (*Canis dingo*).
- 5 Prairie Wolves (*Canis latrans*).
- 2 Polar Bears (*Ursus maritimus*).
- 1 Grévy's Zebra ♀ (*Equus grevyi*).

- 1 Hybrid Somaliland and Spanish Donkey ♀ (*Equus somaliensis* × *Equus asinus*).
- 1 Red Deer ♂ (*Cervus elaphus*).
- 1 Barasingha Deer ♀ (*Cervus duvaucelli*).
- 1 Sambur Deer ♀ (*Cervus aristotelis*).
- 2 Muntjacs ♀ ♀ (*Cervulus muntjac*).
- 1 Giraffe ♂ (*Giraffa camelopardalis*).
- 1 Punjab Sheep (*Ovis vignei*).
- 1 Hybrid Indian and Caucasian Ibex ♀ (*Capra sibirica* × *Capra cylindricornis*).
- 3 Tahrs 2 ♂, 1 ♀ (*Hemitragus jemlaicus*).
- 1 Alpine Chamois ♂ (*Rupicapra rupicapra*).
- 1 Indian Antelope ♂ (*Antelope cervicapra*).
- 1 Brindled Gnu ♀ (*Connochætes taurinus*).
- 1 Congo Marsh Buck ♀ (*Limnotragus gratus*).
- 3 Elands 2 ♂, 1 ♀ (*Taurotragus oryx*).
- 1 American Bison (*Bison americanus*).
- 1 Banting ♂ (*Bos sondaicus*).
- 1 English Wild Bull (*Bos taurus*).
- 1 Gynee Zebu ♀ (*Bos indicus*).
- 1 Mysore Zebu ♀ (*Bos indicus*).
- 1 Hissar Zebu (*Bos indicus*).
- 3 Egyptian Jerboas (*Jaculus orientalis*).
- 5 Prairie Marmots (*Cynomys ludovicianus*).
- 5 Coypus (*Myopotamus coypus*).
- 1 Wallaroo (*Macropus robustus*).
- 1 Parry's Kangaroo (*Macropus parryi*).
- 1 Black Wallaby (*Macropus ualabatus*).
- 3 Bennett's Wallabies (*Macropus bennettii*).
- 1 Rufous-necked Wallaby (*Macropus ruficollis*).
- 1 Brush-tailed Rat Kangaroo (*Bettongia penicillata*).
- 2 Rufous Rat Kangaroos (*Æpyprymnus rufescens*).

List of Birds hatched and reared in the Gardens.

Note.—Young birds that lived but a few days after hatching are not taken into account in the following list. Those marked with an asterisk have not before been bred in the Gardens.

- 3 Black-footed Penguins (*Spheniscus demersus*).
- *1 Hybrid Snow Goose (*Chen caerulescens* × *C. nivalis*).
- 1 Upland Goose (*Chloëphaga magellanica*).
- 6 Variegated Sheldrakes (*Tadorna variegata*).
- 2 Common Sheldrakes (*Tadorna cornuta*).
- 9 Ruddy Sheldrakes (*Tadorna casarca*).

- 3 Australian Wild Ducks (*Anas superciliosa*).
- *10 Hybrid Yellow-billed and Dusky Ducks (*Anas undulata* × *A. obscura*).
- *6 Hybrid Yellow-billed and Meller's Ducks (*Anas undulata* × *A. melleri*).
- 8 Common Wigeon (*Mareca penelope*).
- 4 Shovellers (*Spatula clypeata*).
- 7 Muscovy Ducks (*Cairina moschata*).
- *2 Maned Geese (*Chenonetta jubata*).
- 5 Chestnut-breasted Teal (*Nettion castaneum*).
- 3 Andaman Teal (*Nettion albigulare*).
- 7 Tufted Ducks (*Fuligula cristata*).
- 3 Greater Black-backed Gulls (*Larus marinus*).
- 2 Herring Gulls (*Larus argentatus*).
- *1 Tufted Umbre (*Scopus umbretta*).
- 5 Black-tailed Waterhens (*Microtribonyx ventralis*).
- 1 Black-backed Porphyrio (*Porphyrio melanonotus*).
- *3 Wattled Peewits (*Lobivanellus lobatus*).
- 1 Hybrid Peafowl (*Pavo cristatus* × *P. muticus*).
- 1 Globose Curassow (*Crax globicera*).
- 1 Hybrid Satyrus and Temminck's Tragopan (*Ceriornis satyrus* × *C. temmincki*).
- 4 Peacock Pheasants (*Polyplectron chinquis*).
- *3 Black-backed Kaleege Pheasants (*Euplocamus melanonotus*).
- 13 Silver Pheasants (*Euplocamus nycthemerus*).
- 12 Amherst Pheasants (*Thaumalea amherstiae*).
- 11 Gold Pheasants (*Thaumalea picta*).
- 7 Elliot's Pheasants (*Calophasis ellioti*).
- 9 Reeves's Pheasants (*Phasianus reevesi*).
- 8 Mongolian Pheasants (*Phasianus mongolicus*).
- 13 Hybrid Mongolian and Common Pheasants (*Phasianus mongolicus* × *P. colchicus*).
- 1 Prince of Wales's Pheasant (*Phasianus principalis*).
- 3 Hybrid Japanese and Common Pheasants (*Phasianus versicolor* × *P. colchicus*).
- 2 Brush Bronze-wing Pigeons (*Phaps elegans*).
- 4 Crested Pigeons (*Ocyphaps lophotes*).
- *1 Red-collared Lorikeet (*Trichoglossus rubritorques*).

Batrachians bred in the Gardens in 1910.

- 2 Black Salamanders (*Salamandra atra*).

Additions to the Menagerie in 1910.

The number of Vertebrate Animals living in the Society's Menagerie at the end of 1910 was 3,184. The corresponding number on the 31st of December, 1909, was 3,186, as will be seen by the following Table:—

	December 31.	
	1909.	1910.
Mammals	853	815
Birds	1,775	1,723
Reptiles and Amphibia.....	487	515
Fishes	71	131
	3,186	3,184

The total number of registered additions to the Menagerie in 1910 was 2,352, of which 1,128 were acquired by presentation, 341 by purchase, 267 were born in the Gardens, 362 were received on deposit, and 254 obtained in exchange.

The mode in which these figures compare with those of the previous ten years is shown in the following table:—

	Presented.	Purchased.	Born.	Deposited.	Received in Exchange.	Total.
1900	586	247	94	994	26	1947
1901	608	234	151	1122	86	2201
1902	502	163	80	956	30	1731
1903	414	59	68	791	41	1373
1904	701	254	177	581	91	1804
1905	860	286	286	1097	202	2731
1906	1156	254	200	1019	139	2768
1907	929	202	187	737	227	2282
1908	1347	374	155	300	265	2441*
1909	1015	323	131	361	166	1996
1910	1128	341	267	362	254	2352

* These figures include the special collection of animals from Australia and New Zealand.

In the following list of the more noteworthy additions to the Menagerie in 1910, special attention may be directed to the first consignment of the King's African Collection, received on October 1st, consisting of two Giant Bustards, a Black-breasted Harrier-eagle and a Stanley Crane; two fine collections of

Venezuela Birds presented by Mr. Hugo Pam, who has since been elected a Corresponding Member of the Society, received on June 21st and October 11th; a very interesting set of Antelopes from the Soudan, presented by Mr. Gilbert Blaine, F.Z.S., on June 4th; a large collection of Birds from Brazil and Chili, presented on June 18th and 27th, by Mr. Albert Pam, a Member of Council; a very valuable set of Aquatic Birds received in exchange from the Zoological Society of Washington, on August 23rd; and some interesting Mammals and Birds from Lake Ngami, presented on May 7th by the subscribers to the Lake Ngami Expedition, amongst whom was the Society itself.

1 English Wild Bull (*Bos taurus*) (var.), born in the Menagerie on Jan. 14th.

1 Eland (*Taurotragus oryx*) ♀, born in the Menagerie on Jan. 20th.

1 Congo Marsh-Buck (*Limnotragus gratus*), born in the Menagerie on Jan. 14th.

1 Sambur Deer (*Cervus aristotelis*), born in the Menagerie on Jan. 25th.

4 Persian Gazelles (*Gazella subgutturosa*), 1 ♂, 3 ♀, from Meshed, presented by Major J. W. Watson, I.M.S., F.Z.S., and Major R. L. Kennion, I.S.C., F.Z.S., on Jan. 8th.

1 Wood-Brocket (*Mazama nemorivagus*), from Brazil, presented by Frederick Burgoyne, Esq., F.Z.S., on Jan. 31st.

1 Mallee Bird (*Leipoa ocellata*), from Australia, presented by Frank E. Howe, Esq., C.M.Z.S., on Jan. 24th.

1 Mandrill (*Papio maimon*), from West Africa, presented by Dr. A. Stanley Griffith on Feb. 24th.

2 Bennett's Gazelles (*Gazella bennetti*), from the Isle of Hormuz, Persian Gulf, and 1 Punjaub Wild Sheep (*Ovis vignei*), from Banda Abbas, Persia, presented by the late B. T. Finch, Esq., F.Z.S., and F. W. Townsend, Esq., on Feb. 22nd.

2 Painted Finches (*Emblema picta*), from N.W. Australia, new to the Collection, received in exchange on Feb. 25th.

2 Black-hooded Parrakeets (*Psephotus cucullatus*) from N.W. Australia, new to the Collection, received in exchange on Feb. 28th.

1 White-quilled Rock-Dove (*Petrophassa albipennis*) from Australia, new to the Collection, deposited on Feb. 24th.

1 Puma (*Felis concolor*) ♂, from Tucuman, presented by Alexander S. Waley, Esq., F.Z.S., on March 22nd.

2 Musquash (*Fiber zibethicus*), from North America, purchased on March 16th.

1 Lar Gibbon (*Hylobates lar*), from Siam, presented on April 13th by Lt. Stephen St. L. Moore, R.N.

1 Tayra (*Galera barbara*) and 1 Kinkajou (*Cercoleptes caudivolvulus*), from Mañaos, presented on April 14th by E. Salis Schwabe, Esq., C.M.Z.S.

1 Monk-Seal (*Monachus albiventer*), from Madeira, presented on April 9th by Godfrey H. Williams, Esq., F.Z.S.

1 Bay Duiker (*Cephalophus dorsalis*), 1 Zech's Mole-Rat (*Georychus zechi*), new to the Collection, and 1 Beautiful Wood-Hawk (*Dryotriorchis spectabilis*), from Obuassi, S. Ashanti, presented on April 1st by Capt. C. H. Armitage, D.S.O.

1 Tasmanian Wolf (*Thylacinus cynocephalus*), from Tasmania, purchased on April 18th.

2 Bearded Vultures (*Gypaëtus barbatus*), from Europe, purchased on April 9th.

4 Mortier's Water-Hens (*Tribonyx mortieri*), from Tasmania, purchased on April 18th.

1 Bengalese Cat (*Felis bengalensis*) and 1 Masked Palm-Civet (*Paradoxurus larvatus*) from Szechuen, S. China, presented by W. Thurlow-Lay, Esq. on May 23rd.

2 Hunting-dogs (*Lycan pictus*), from Nairobi, B.E. Africa, presented by H. H. Heatley, Esq., on May 23rd.

1 Caracal (*Felis caracal*) ♂ and 2 Selous's Marsh-Bucks (*Limnotragus selousi*), from Lake Ngami, purchased on May 7th.

1 Chapman's Zebra (*Equus chapmani*) ♂, from Lake Ngami, presented by H. D. Hannay, Esq., on May 7th.

1 Sabre-horned Oryx (*Oryx algazel*), from Northern Nigeria, presented by Sir Hesketh Bell, K.C.M.G., on May 8th.

2 Ludwig's Bustards (*Otis ludwigi*) and 2 Vigors's Bustards (*O. vigorsi*), from South Africa, new to the Collection, presented by Sir Charles B. Elliott, K.C.M.G., on May 14th.

2 Manchurian Cranes (*Grus japonensis*), from N. China, purchased on May 23rd.

2 Addra Gazelles (*Gazella ruficollis*) ♂ ♀, new to the Collection, 1 Mountain Oribi (*Ourebia montana*), 1 Sabre-horned Oryx (*Oryx algazel*) ♀, 1 Addax (*Addax nasomaculatus*), 1 Soudan Fennec (*Vulpes famelicus*), 2 Erythrean Zorillas (*Ictonyx erythraea*), 1 Dongolan Genet (*Genetta dongolana*), and 2 Banded Mongooses (*Crossarchus fasciatus*), from the Soudan, presented by Gilbert Blaine, Esq., F.Z.S., on June 4th.

1 Addra Gazelle (*Gazella ruficollis*) ♂, new to the Collection, from the Soudan, presented by G. Guy Chetwynd, Esq., F.Z.S., on June 4th.

1 White-spotted Squirrel (*Funisciurus leucostigma*) and 1 Speckled Squirrel (*Sciurus punctatus*), both new to the Collection; 1 Gaboon Viper (*Bitis gabonica*) and 1 Nose-horned Viper (*Bitis nasicornis*), from Bibianaha, Gold Coast, presented by Dr. H. G. F. Spurrell on June 18th.

6 Cocks of-the-Rock (*Rupicola crocea*), from British Guiana, deposited on June 14th, by the kindness of Sir William Ingram, Bt., F.Z.S.

1 Red Bird-of-Paradise (*Paradisea rubra*), presented by J. M. Doctor, Esq., C.M.Z.S., on June 11th.

1 Hunstein's Bird-of-Paradise (*Diphyllodes hunsteini*), received in exchange on June 23rd.

1 Short-tailed Parrot (*Pachynus brachyurus*), from the Upper Amazons, presented by H. D. Astley, Esq., F.Z.S., on June 14th.

2 Queen Alexandra's Parrakeets (*Spathopterus alexandrae*), from Western Australia, purchased on June 11th.

2 Condors (*Sarcorhamphus gryphus*), from Chili, presented by the Government of Chili on June 27th.

A Collection of Birds, including Tanagers, Sugar-birds, Tinamous, and Conures, from Brazil and Chili, presented by Albert Pam, Esq., F.Z.S., on June 18th and 27th.

A Collection of Birds from Venezuela, including various Tanagers, Finches, a Naked-eyed Pigeon (*Columba gymnophthalma*), and an Orinoco Goose (*Chenalopex jubatus*), presented by Hugo Pam, Esq., C.M.Z.S., on June 21st.

5 Elephantine Tortoises (*Testudo elephantina*), from Aldabra, presented by Edward Mayer, Esq., on June 15th.

1 Buffon's Kob (*Kobus kob*), from Sierra Leone, presented by J. A. Tinling, Esq., on July 8th.

1 Sing-Sing Waterbuck (*Kobus unctuosus*) and 2 Harnessed Bush-Bucks (*Tragelaphus scriptus*), from Gambia, presented by Capt. Sir George Denton, K.C.M.G., F.Z.S., on July 19th.

2 Harnessed Bush-Bucks (*Tragelaphus scriptus*), 1 Black-tailed Oribe (*Ourebia nigricaudata*), and one Crowned Hawk-Eagle (*Spizaetus coronatus*), from French Guinea, presented by Fenwick Owen, Esq., on July 19th.

1 Crowned Duiker (*Cephalophus coronatus*), from Nigeria, presented by W. A. Clayton, Esq., on July 20th.

2 Black-backed Geese (*Sarcidiornis melanonota*), from India, presented by Lt.-Col. D. C. Phillott, on July 25th.

3 Wattled Peewits (*Lobivanellus lobatus*), 3 Black-tailed Waterhens (*Tribonyx ventralis*), and 1 Tufted Umbre (*Scopus umbretta*), hatched and reared in the Menagerie.

3 Grey Crab-eating Dogs (*Canis griseus*), from the Argentine, presented by Wilfred A. Smithers, Esq., on August 22nd.

1 Korin Gazelle (*Gazella rufifrons*) ♀, from Senegal, presented by Maxwell Lyte, Esq., on August 2nd.

2 Ross's Plantain-eaters (*Musophaga rossæ*) and 1 Ardesian Hawk (*Cerchneis ardesiacus*), both species new to the Collection, from Uganda, presented by L. M. Seth-Smith, Esq., F.Z.S., on August 15th.

3 Pigmy Cormorants (*Phalacrocorax pygmaeus*), from Dobrudscha, Roumania, presented by the Hon. N. C. Rothschild, F.Z.S., on August 25th.

A Collection of Birds, including 2 Rough-billed Pelicans (*Pelecanus trachyrhynchus*), 2 Roseate Spoonbills (*Ajaja rosea*), and 3 American Darters (*Plotus anhinga*), received in exchange, from the Zoological Society of Washington, on August 23rd.

1 Green Tree-Snake (*Dendraspis viridis*), 1 Kirtland's Tree-Snake (*Thelotornis kirtlandii*), and 1 Banded Gecko (*Hemidactylus fasciatus*), all new to the Collection, from Bibianaha, Gold Coast, presented by Dr. H. G. F. Spurrell, on August 21st.

1 Brown Bear (*Ursus arctos beringianus*), from Kamschatka, presented by W. S. Race, Esq., on Sept. 30th.

4 Javan Mouse-Deer (*Tragulus javanicus*), from Java, purchased on Sept. 26th.

1 White-naped Roller (*Coracias naevius*), from the Gambia, new to the Collection, deposited on Sept. 15th.

1 Red-collared Lorikeet (*Trichoglossus rubritorques*), bred in the Menagerie.

1 White-winged Wood-Duck (*Asarcornis scutulatus*), from Burma, new to the Collection, presented by Major H. H. Harington, F.Z.S., on Sept. 12th.

A Collection of Snakes containing, amongst others, 6 Indian Cobras (*Naja tripudians*), 2 Banded Kraits (*Bungarus fasciatus*), and 4 Russell's Vipers (*Vipera russelli*), received in exchange on Sept. 10th.

1 Siamang Gibbon (*Symphalangus syndactylus*), from Sumatra, deposited on Oct. 26th.

1 African Cheetah (*Cynælurus jubatus*), from Andamowa, German Cameroons, presented by Walter Watts, Esq., on Oct. 22nd.

2 Indian Buffaloes (*Bubalus buffelus*), from India, received in exchange on Oct. 15th.

2 Giant Bustards (*Eupodotis kori*), a Black-breasted Harrier Eagle (*Circaetus pectoralis*), and a Stanley Crane (*Anthropoides paradisea*), presented to the King's African Collection through Dr. L. Péringuey, F.Z.S., Secretary of the South African Presentation Committee, and deposited in the Gardens on Oct. 1st.

A Collection of Birds from Venezuela, presented by Hugo Pam, Esq., C.M.Z.S., on Oct. 11th, containing a Bare-faced Hangnest (*Gymnomystax melanicterus*), a Chimachima Milvago (*Milvago chimachima*), a Violaceous Night-Heron (*Nycticorax violaceus*), 3 Naked-eyed Pigeons (*Columba gymnophthalma*), and others.

5 Jackson's Whydah-birds (*Drepanoplectis jacksoni*) and 2 Crimson-ringed Whydah-birds (*Penthetria laticauda*), from East Africa, presented by Mrs. George Style on Oct. 22nd, new to the Collection.

1 American Bison (*Bison americanus*), born in the Menagerie on Nov. 1st.

5 Canadian Wapiti (*Cervus canadensis*), 1 ♂, 4 ♀, from Canada, purchased on Nov. 8th.

1 Tasmanian Wolf (*Thylacinus cynocephalus*) ♂, and 2 Tasmanian Devils (*Sarcophilus satanicus*), from Tasmania, purchased on Nov. 21st.

1 Viverrine Cat (*Felis viverrina*), from India, 1 Northern Lynx (*Felis lynx isabellinus*), from Tibet, 2 Binturongs (*Arctictis binturong*), from Malacca, and 1 Yellow-throated Marten (*Mustela flavigula*), from India, purchased on Dec. 24th; 4 Canadian Skunks (*Mephitis mephitis*) and 2 Little Skunks (*Spilogale putorius*), from N. America, the latter new to the Collection, purchased on Dec. 29th.

1 Silver Fox (*Vulpes argentatus*), from Hudson's Bay, received in exchange on Dec. 12th.

1 Feline Otter (*Lutra felina*), new to the Collection, from La Plata, presented by William Clyne, Esq., on Dec. 6th.

1 Brindled Gnu (*Connochates taurinus*), born in the Menagerie on Dec. 1st.

A collection of 15 Reptiles, including 1 Raddon's Lizard (*Mabuia raddoni*), 1 Smyth's Snake (*Grayia smythii*), and 1 Yellow-throated Snake (*Thrasops flavigularis*), new to the Collection, from Bibianaha, Gold Coast, presented by Dr. H. G. F. Spurrell on Dec. 12th.

The thanks of the Society are due to many Steamship Companies who have given valuable assistance in the transport of Animals, and in particular to the British India Steamship Company, which has frequently made

special arrangements for delicate animals and has generously conveyed them freight-free.

The Society has also received much help in the transport of animals from its corresponding members, and from the officers of kindred institutions, amongst whom may be mentioned in particular the representatives of the Bombay Natural History Society.

List of the Genera and Species new to the Collection exhibited during the year 1910.

The following list gives the names of the specimens exhibited in 1910 which are referable to genera or species not included in the last (ninth) edition (1896) of the List of Animals, or in subsequent Annual Reports. It contains 8 Mammals, 25 Birds, 7 Reptiles, 1 Batrachian, and 2 Arthropods.

In actual numbers, these additions are more numerous than last year, and amongst them are several rare animals.

The figures placed before each name indicate its approximate position in the List of Animals.

I.—MAMMALS.

- 106 *a. Lagothrix pæppigi*, Schinz. Pöppig's Negro Monkey.
Hab. Upper Amazons.
a. Received in exchange, August 11, 1910.
- 297 *a. Ictonyx erythreæ*, De Winton. Erythrean Zorilla.
Hab. Soudan.
a, b. Presented by Gilbert Blaine, Esq., F.Z.S., June 4, 1910.
- 306 *a. Spilogale putorius*, Linn. Little Skunk.
Hab. North America.
a, b. Purchased December 29, 1910.
- 210 *a. Lutra felina*, Molina. Feline Otter.
Hab. La Plata.
a. Presented by William Clyne, Esq., December 6, 1910.

- 380 *a. Sciurus punctatus*, Temm. Speckled Squirrel.
Hab. Bibianaha, Gold Coast.
a. Presented by Dr. H. G. F. Spurrell, June 18, 1910. See P.Z.S. 1911, p. 2.
- 397 *a. Funisciurus leucostigma*, Temm. White-spotted Squirrel.
Hab. Bibianaha, Gold Coast.
a. Presented by Dr. H. G. F. Spurrell, June 18, 1910. See P.Z.S. 1911, p. 2.
- 423 *a. Graphiurus crassicaudatus*, Gray. Thick-tailed Dormouse.
Hab. Sierra Leone.
a, b. Presented by Col. L. S. Blackden, May 8, 1910.
- 435 *a. Georychus zechi*, Matschie. Zech's Mole-Rat.
Hab. Obuassi, Ashanti.
a. Presented by Capt. C. H. Armitage, D.S.O., April 1, 1910. See P.Z.S. 1910, p. 768.
- 585 *a. Gazella ruficollis*, Gray. Addra Gazelle.
Hab. Egyptian Soudan.
a, b. Male and Female. Presented by Gilbert Blaine, Esq., F.Z.S., June 4, 1910. See P.Z.S. 1911, p. 1.
c. Male. Presented by George Guy Chetwynd, Esq., F.Z.S., June 4, 1910. See P.Z.S. 1911, p. 2.

II.—BIRDS.

- 88 *a. Rubigula dispar*, Horsf. Ruby-throated Bulbul.
Hab. Java.
a. Received in exchange, July 19, 1910.
- 129 *a. Glossiptila ruficollis*, Gm. Rufous-throated Tanager.
Hab. Jamaica.
a, b. Received in exchange, August 9, 1910.
- 151 *a. Spindalis pretrei*, Less. Pretre's Tanager.
Hab. Cuba.
a, b. Purchased March 2, 1910.

- 182 a. *Emblema picta*, Gould. Painted Finch.
Hab. N.W. Australia.
 a. b. Received in exchange, February 25, 1910.
- 216 a. *Penthetria laticauda*, Licht. Crimson-ringed
 Whydah-bird.
Hab. E. Africa.
 a. b. Presented by Mrs. George Style, October 22,
 1910. See P.Z.S., 1911, p. 4.
- 216 b. *Drepanoplectes jacksoni*, Sharpe. Jackson's Why-
 dah-bird.
Hab. E. Africa.
 a-c. Presented by Mrs. George Style, August 4, 1910.
- 242 a. *Hyphantornis spekei*, Heugh. Speke's Weaver
 Bird.
Hab. East Africa.
 a-k. Presented by Mrs. George Style, August 4, 1910.
- 292 a. *Passer flaveolus*, Blyth. Pegu Sparrow.
Hab. Burma.
 a. Received in exchange, July 4, 1910.
- 306 a. *Fringilla maderensis*, Sharpe. Madeiran Chaffinch.
Hab. Madeira.
 a-t. Deposited, March 26, 1910.
- 387 a. *Agelæus icterocéphalus*, Linn. Yellow-headed Reed
 Bird.
Hab. Demerara.
 a-f. Deposited, July 1, 1910.
- 560 a. *Coracias naevius*, Daud. White-naped Roller.
Hab. Gambia.
 a. Deposited, September 15, 1910.
- 595 a. *Musophaga rossæ*, Gould. Ross's Plantain-eater.
Hab. Uganda.
 a. b. Presented by L. M. Seth-Smith, Esq., F.Z.S.,
 August 15, 1910.

- 795 *b.* *Psephotus cucullatus*, North. Black-hooded Parakeet.
Hab. N.W. Australia.
a. b. Received in exchange, February 28, 1910. See P.Z.S. 1910, p. 534.
- 852 *a.* *Scops erlangeri*, Ogilvie-Grant. Erlanger's White-eared Scops Owl.
Hab. Lake Ngami.
a. Purchased, May 7, 1910.
- 855 *b.* *Nyctala acadica*, Gm. Saw-Whet Owl.
Hab. North America.
a. Received in exchange, December 30, 1910.
- 931 *a.* *Circaëtus pectoralis*, Smith. Black-breasted Harrier-eagle.
Hab. S. Africa.
a. Presented to the King's South African Collection by Crossland Robinson, Esq., through Dr. L. Péringuez, F.Z.S. Deposited by H.M. the King, October 1, 1910.
- 968 *a.* *Cerchneis ardesiacus*, Vieill. Ardesian Hawk.
Hab. Uganda.
a. Presented by L. M. Seth-Smith, Esq., F.Z.S., August 15, 1910.
- 1026 *a.* *Phalacrocorax pygmæus*, Gm. Pigmy Cormorant.
Hab. Roumania.
a-e. Presented by the Hon. N. C. Rothschild, F.Z.S., August 25, 1910.
- 1117 *a.* *Asarcornis scutulatus*, S. Müll. White-winged Wood-duck.
Hab. Burma.
a. Presented by Major H. H. Harington, F.Z.S., September 12, 1910. See P.Z.S. 1911, p. 4.
- 1185 *a.* *Querquedula discors*, Linn. Blue-winged Teal.
Hab. North America.
a-c. Received in exchange, November 2, 1910.

- 1185 *b. Nettium carolinense*, Gm. Green-winged Teal.
Hab. North America.
a-d. Received in exchange, November 2, 1910.
- 1292 *a. Petrophassa albipennis*, Gould. White-quilled
 Rock Dove.
Hab. N.W. Australia.
a. Deposited, February 24, 1910.
- 1483 *b. Rallus longirostris*, Bodd. Clapper Rail.
Hab. North America.
a-d. Received in exchange, November 2, 1910.
- 1520 *a. Otis ludwigi*, Rüpp. Ludwig's Bustard.
Hab. S. Africa.
a-b. Presented by Sir Charles B. Elliott, K.C.M.G.,
 May 14, 1910. See P.Z.S., 1910, p. 837.
- 1520 *b. Otis vigorsi*, Smith. Vigors's Bustard.
Hab. S. Africa.
a-b. Presented by Sir Charles B. Elliott, K.C.M.G.,
 May 14, 1910.
- 1658 *a. Nothoprocta cinerascens*, Burm. Cinereous Tina-
 mou.
Hab. Western Argentine Republic.
a-b. Purchased, October 12, 1910.

III.—REPTILES AND BATRACHIA.

- 113 *a. Hemidactylus fasciatus*, Gray. Banded Gecko.
Hab. Bibianaha, Gold Coast.
a. Presented by Dr. H. G. F. Spurrell, August 21, 1910.
 See P.Z.S., 1911, p. 3.
- 225 *a. Mabuia raddoni*, Gray. Raddon's Lizard.
Hab. Bibianaha, Gold Coast.
a. Presented by Dr. H. G. F. Spurrell, December 12,
 1910.

246 a. *Typhlops punctatus*, Leach. Spotted Burrowing Snake.

Hab. Bibianaha, Gold Coast.

a. Presented by Dr. H. G. F. Spurrell, April 15, 1910.

322 a. *Gastropyxis smaragdina*, Schleg. Emerald Tree Snake.

Hab. Bibianaha, Gold Coast.

a. Presented by Dr. H. G. F. Spurrell, September 5, 1910.

322 b. *Thrasops flavigularis*, Hallow. Yellow-throated Snake.

Hab. Bibianaha, Gold Coast.

a. Presented by Dr. H. G. F. Spurrell, December 12, 1910.

346 a. *Grayia smythii*, Leach. Smyth's Snake.

Hab. Bibianaha, Gold Coast.

a. Presented by Dr. H. G. F. Spurrell, December 12, 1910.

373 a. *Thelotornis kirtlandii*, Hallow. Kirtland's Tree Snake.

Hab. Bibianaha, Gold Coast.

a. Presented by Dr. H. G. F. Spurrell, August 21, 1910.
See P.Z.S., 1911, p. 3.

18 a. *Phrynomantis bifasciata* var. *microps*, Peters. Two-banded Frog.

Hab. Egyptian Soudan.

a. Presented by Capt. S. S. Flower, F.Z.S., May 29, 1910.

IV.—ARTHROPODS.

Eurypelma, sp. incert. Tarantula Spider.

Hab. Para.

Presented by Thomas Thomson, Esq., November 22, 1910.

Lycosa, sp. incert. Tarantula Spider.

Hab. Siberia.

a. Presented by C. H. Woolmer, Esq., August 23, 1910.

*List of Donors and their Donations for the
year 1910.*

THE KING'S SOUTH AFRICAN COLLECTION (1st Instalment of)

BROOM, Dr. Robert, C.M.Z.S. 1 Stanley Crane.
LE ROUX, Mr. P. W. J. 2 Giant Bustards.
ROBINSON, Mr. Crossland. 1 Black-breasted Harrier
Eagle.

His Grace The DUKE OF BEDFORD, K.G. (PRESIDENT).
1 English Wild Bull, 12 Grey Squirrels.

ABERCROMBY, Mr. A. F., F.Z.S. 8 Indian Pythons.
ALLANSON, Mr. G. 1 Mississippi Alligator.
ANDREWS, Mr. G. L. 1 Red and Yellow Macaw.
ANNE, Major E. L. S. 1 Little Auk.
ANNE, Capt. George. 1 Crested Porcupine.
ARKILL, Mrs. Norman. 1 Ring-tailed Opossum.
54 - ARMITAGE, Capt. C. H., D.S.O. 1 Beautiful Wood Hawk,
1 Great-billed Touracou, 1 Black Hornbill, 2 African
Brush-tailed Porcupines, 1 Zech's Mole Rat, 1 Bay
55 - Duiker ♂.
ASTLEY, Mr. Hubert D., F.Z.S. 1 Martineta Tinamou,
1 Short-tailed Parrot.
ATKINSON, Mr. Walter. 1 Tantalus Cercopitheque ♂.
AUSTEN, Miss Winifred, F.Z.S. 2 Shovellers ♂ ♀, 1 Barn
Owl, 1 Common Kestrel.
BABINGTON, Mr. R. V. 1 Amaduvade Finch.
BAILEY, Mrs. Edith. 1 Egyptian Mongoose.
BAIRD, Sir Alexander, Bt., F.Z.S. 2 Cereopsis Geese.
BALDWIN, Miss Clara. 1 Blue-fronted Amazon.
BARCLAY, Miss Phyllis. 1 Mozambique Cercopitheque.
BARDSLEY, Mrs. 2 Banded Parrakeets.
BARNARD, Mr. A. E., F.Z.S. 2 Common Chameleons,
2 Green Lizards, 1 Sand Lizard.
BARNETT, Mr. B. 2 Egyptian Jerboas.
BARRY, Mr. E. Wolfe. 1 Yellow-fronted Amazon.
BAUMANN, Mr. P. A., F.Z.S. 1 Bonnet Macaque ♂.
BAYLY, Mrs. Ives, F.Z.S. 6 European Tree Frogs.

- BELCHER, Mr. Edward. 2 Slowworms.
- BELL, Mr. D. W. 1 Malayan Bear ♀.
- 54 - BELL, Sir Hesketh, K.C.M.G. 1 Sabre-horned Oryx.
- BENNETT, The Rev. Edward H. 2 Common Badgers.
- BETTERIDGE, Mr. Bernard. 1 Eupatorian Parrakeet.
- BLACKDEN, Col. L. S. 2 Thick-tailed Dormice.
- 54 - BLAINE, Mr. Gilbert, F.Z.S. 1 Addax ♂, 1 Sabre-horned Oryx ♀, 1 Mountain Oribi ♀, 2 Addra Gazelles ♂♂, 1 Dongolan Genet, 2 Banded Mongooses, 2 Erythræan Zorillas, 1 Soudan Fennec, 1 Stone Curlew.
- BLAKE, Mr. H. 1 Vulpine Opossum.
- BLY, Mr. W. A. 1 Great-billed Touracou.
- BODY, J. B., and TOWER, R. T., Messrs. (*see* Tower).
- BOLTON, Mrs. 1 Bosman's Potto.
- BONHOTE, Mr. J. Lewis, F.Z.S. 2 Common Sheldrakes ♂♀, 4 Wigeon ♂♀♂♀, 4 Pintails ♂♀♂♀, 2 Shovellers ♂♀, 1 Garganey ♂, 1 Common Teal ♀, 1 White-faced Tree Duck, 1 Great Eagle Owl ♀, 1 Barn Owl, 4 Tawny Owls, 1 Little Owl, 2 Black Kites, 2 Lesser Black-backed Gulls, 1 Common Heron, 2 Herring Gulls, 1 Oyster-catcher, 3 Rock Pigeons, 3 Stock Doves, 1 Turtle Dove, 8 Senegal Doves, 1 Solitary Thrush, 2 Song Thrushes, 1 Blackbird, 1 Crossbill, 1 Tree Sparrow, 2 Common Gulls, 1 Greater Black-backed Gull, 1 Hey's Partridge.
- BOSTOCK, Mr. E. H. 1 Murine Opossum.
- BOSWORTH, Mrs. 1 Greater Sulphur-crested Cockatoo.
- BOURKE, Miss Daphne. 1 Grey Squirrel.
- BOURNE, Mr. J. D. M. 1 Ground Hornbill.
- BOYCE, Mr. J. S. 1 Blue-fronted Amazon.
- BOYNTON, Mr. Thomas Wickham. 1 Golden Eagle.
- BRAY, Mr. J. C. 1 Common Snake.
- BRINKLEY, Mr. F. H. 1 Common Chameleon.
- BRODIE, Capt. H. 1 Ground Hornbill.
- BROOKE, Major Hugh F. 1 Moroccan Wild Sow.
- BROWN, Mr. G. W., F.Z.S. 2 Grey-breasted Parrakeets.
- BROWN, Mr. Percy H. 9 Golden Orfe.
- BROWNE, Mr. W. F. 1 Long-nosed Crocodile.
- BRUCE, Miss. 1 Rose-coloured Pastor.
- BRUCE, The Rev. Montague. 1 Rhesus Macaque ♂.
- BRYANT, Mrs. 2 Eupatorian Parrakeets.
- BUCKE, Mrs. A. A. 2 Dwarf Chameleons.

- BULL, Mrs. 2 Maja Finches, 1 African Silverbill,
2 Cut-throat Finches, 1 Chestnut-eared Finch,
1 Orange-cheeked Waxbill, 2 Crimson-eared Wax-
bills, 1 Yellow-rumped Seed-eater, 2 Amaduvade
Finches, 1 Orange Weaver-bird, 2 Nutmeg Finches.
- BURBERRY, Mr. M. A. 1 African Civet Cat.
- 53 - BURGOYNE, Mr. Frederick, F.Z.S. 1 Wood Brocket.
- BURNHAM, Mr. D. 1 Common Snake.
- BURNAND, Mr. G. B. 1 Common Snake.
- CALLADINE, Miss Annie. 1 Patas Cercopitheque.
- CAMPBELL, Mr. 1 Great Northern Diver.
- CAMPBELL, Miss H. B. 1 European Pond Tortoise.
- CARPENTER, Mr. C. 1 Corn Crake.
- CARPENTER, Mr. J. S. 1 Ring-necked Parrakeet.
- CATER, Mr. C. E. 1 Red and Yellow Macaw.
- CAWDOR, The late Earl, P.C., F.Z.S. 12 Variable
Hares.
- CAWSTON, Mr. George P. 1 Green Lizard.
- CECIL, The Lord Arthur, F.Z.S. 1 Cow (Chartley
× Highland), 2 Short-headed Phalangiers.
- CENTER, Staff-Surgeon W. R., R.N. 1 Orange-cheeked
Waxbill, 1 Common Waxbill.
- CHARRINGTON, Mr. J. D. 2 Common Rheas ♂ ♀.
- CHAVEZ, Mr. B. 1 Spotted Cavy, 1 Mouse-tailed
Agouti.
- 55 - CHETWYND, Mr. George Guy, F.Z.S. 1 Addra Gazelle ♀.
- CHILIAN GOVERNMENT, The. 2 Condors.
- CHRIST, Mr. T. 1 Crowned Duiker.
- CLARE, Mrs. Harcourt. 1 Mona Cercopitheque ♂.
- CLARK, Mr. H. N. 1 Blue-fronted Amazon.
- CLARK, Mrs. B. 1 King Parrakeet.
- CLARK, Mr. Arthur A. 1 Greater Sulphur-crested
Cockatoo.
- 55 - CLAYTON, Mr. W. A. 1 Crowned Duiker ♀.
- CLEARY, Mr. W. D. 1 Squirrel Monkey ♀.
- 57 - CLYNE, Mr. William. 1 Feline Otter ♂.
- COBBETTS, Mr. E. Talbot. 3 Bare-faced Fruit Pigeons.
- COLLIER, Miss Rose. 4 Common Hedgehogs.
- COLLINS, Mr. A. 1 Magpie.
- COLLINS, Mr. J. F. 1 Yellow-fronted Amazon.
- COOKE, Mr. A. C., F.Z.S. 1 Roseate Cockatoo.
- COPE, Mr. R. 6 Bare-faced Fruit Pigeons.
- CORDEUX, Mr. A. V. 1 Goshawk.

- CORRIGAN, Miss Madge. 2 Schlegel's Doves.
 COTTEE, Mr. Spencer M. 1 Diamond Python.
 COTTON, Miss V. M. E. 2 Common Raccoons.
 COTTON, Mrs. T. A. 1 Eyed Lizard.
 COURTENAY, Mrs. 1 Mantis.
 COX, Mr. L. Harding, F.Z.S. 3 Blood-stained Terrapins,
 1 Natterjack Toad, 1 European Tree Frog.
 CRAWLEY, Mrs., 1 White-fronted Capuchin.
 CREGEEN, Mrs. 1 Burnett's Cercopitheque ♂, 1 Lesser
 White-nosed Cercopitheque, 1 Green Cercopitheque.
 CROMPTON, Master David, 1 Green Lizard.
 CROSBIE, Capt. Charles Herries, R.M. 1 Scarlet Tanager.
 CUTHILL, Mr. W. 1 Spotted Cavy.
 DANCKWERTS, Mr. W. O., K.C., F.Z.S. 1 Pennant's
 Parrakeet, 2 Long-tailed Grass Finches, 2 Yellow-
 bellied Liothrix, 3 Jackdaws, 2 Rhesus Macaques, ♂ ♀,
 1 Common Macaque ♀, 5 Gouldian Grass Finches,
 2 White-cheeked Bulbuls, 1 Brazilian Hangnest,
 1 Blue-crowned Jay, 2 Garden Dormice.
 DANNREUTHER, Commander Tristran, R.N. 2 Muscat
 Gazelles ♂ ♀.
 DAVISON, Mr. E. 1 Common Chameleon.
 DAVY, Miss. 1 Vulpine Opossum ♂.
 DAY, Mr. Ernest. 1 Rhesus Macaque ♀.
 DE BATHE, Sir Hugo, Bt., F.Z.S. 1 Malayan Bear.
 DENMAN, Mr. Arthur, F.Z.S. 1 Green Glossy Starling.
 DENNY, Major W. A. C. 1 Leaf Insect.
 55 — DENTON, Capt. Sir George, K.C.M.G., F.Z.S. 1 Sing
 Sing Waterbuck ♀, 2 Harnessed Bush-Bucks ♀ ♀,
 1 Crested Porcupine.
 DE PINNA, Lt.-Col. H. E. 1 Egyptian Jerboa.
 DE ROTHSCHILD, Miss Alice. 2 Laughing Kingfishers.
 DERRY, Mr. J. D. 1 Grey Mongoose.
 DICKSEE, Mrs. N. 1 Eupatorian Parrakeet.
 DIGBY, Mr. Frederick. 1 Lesser White-nosed Cerco-
 pitheque ♀.
 DIXON, Frederick, Bey, C.M.Z.S. 3 Defenceless Lizards,
 13 Common Chameleons.
 DIXON, Mr. Montagu. 1 Common Fox.
 55 — DOCTOR, Mr. J. M., C.M.Z.S. 1 Red Bird of Paradise.
 DOD, Mr. W. R. Wolley-. 2 Sand Lizards.
 DODD, Mr. Walter. 1 Greater Sulphur-crested Cockatoo.
 DOWNING, Mrs. 1 Greater Sulphur-crested Cockatoo.

- DUNLOP, Mr. Eric B. 1 Tufted Duck, 2 Garganeys,
1 Gadwall, 2 Mandarin Ducks, 1 Common Sheldrake,
1 Pintail, 2 Common Wigeon, 1 Pink-footed Goose.
- DUNSTER, Mrs. A. M., F.Z.S. 1 Bonnet Macaque ♂.
- EADY, Mr. G. J. 1 Rhesus Macaque ♂.
- EARL, Mr. H. 1 Moroccan Ground Squirrel.
- EARNSHAW, Miss Violet. 1 Greater Sulphur-crested
Cockatoo.
- EDGELL, Mr. H. 1 Red-fronted Lemur, 1 Crowned
Lemur, 1 Grand Galago.
- EDLMANN, Mrs. Charles. 1 Rough-eyed Cayman.
- 54 - ELLIOTT, Sir Charles B., K.C.M.G. 2 Ludwig's
Bustards, 2 Vigor's Bustards.
- EMERY, Mr. A. J. 1 White-throated Capuchin ♂.
- ENGLISH, Mr. T. M. Savage. 1 Edible Frog.
- EPSLEY, Mr. 1 Common Fox ♀.
- EVERETT, Mr. A. 1 Common Macaque ♂.
- "EXCELLENT," The Officers of H.M.S. 1 Grecian Ibex ♂.
- FARRELL, Mrs. 1 Bare-eyed Cockatoo.
- FENWICK, Dr. Collingwood. 1 Abyssinian Cercopitheque ♂.
- FETHERSTONHAUGH, The Hon. Mrs. M. G., F.Z.S. 1 Roe-
buck ♀, 1 Common Teal.
- 53 - FINCH, the late Mr. B. T., F.Z.S., and TOWNSEND, Mr.
F. W. 1 Punjaub Wild Sheep, 2 Bennett's Gazelles.
- FIELD, Miss Hilda, F.Z.S. 1 Zebra Waxbill.
- FLOWER, Capt. S. S., F.Z.S. 1 Two-banded Frog.
- FRASER, Mrs. Campbell. 1 Egyptian Jerboa.
- FRASER, Lt.-Col. R. H. 1 Common Mynah.
- FROST, Mr. W. 1 Meadow Pipit, 2 Yellow Wagtails,
2 Pied Wagtails, 1 Sedge Warbler, 1 Cuckoo, 1
Cinereous Waxbill.
- FULLER, Mr. E. A. 1 Barn Owl.
- FULLER Mr. F. F. 1 Roloway Cercopitheque ♀.
- FYFFE, Mr. Alan H. 2 Moorish Toads.
- GAMBLE, Miss K. 1 Common Chameleon.
- GASKELL, Miss Norah. 1 Budgerigar.
- GAUNT, Capt. Guy R. A., R.N. 1 Muscat Gazelle ♂.
- GIBBS, Mr. R. 1 Tawny Owl.
- GLENNIE, The Rev. Alfred H. 4 Cockatiels.
- GODDARD, Mrs. 1 Eupatorian Parrakeet.
- GODFREY, Mrs. 1 Algerian Tortoise.
- GÖRANSSON, Miss D. 1 Leadbeater's Cockatoo.
- GORDON, Mrs. J. Lesmoir-. 1 Ring-tailed Lemur ♀.

- GOSSE, Mr. Philip. 1 Chopi Starling.
 GOUGH, Mr. R. 1 Peregrine Falcon.
 GOULDING, Mr. Arthur. 1 Common Coot.
 GRAHAM, Mrs. 3 Red-vented Bulbuls, 1 Red-eared
 Bulbul, 1 Indian Mynah, 1 Brown Mynah, 2
 Common Mynahs, 1 Malabar Mynah.
 GRAHAM, Mr. Percy N. 4 Common Pheasants.
 GRAY, Mrs. 1 Eupatorian Parrakeet.
 GREAVES, Mr. J. E. Ley-. 1 African Civet Cat.
 GREEVEN, Miss M. 1 Chestnut-eared Finch.
 53 - GRIFFITH, Dr. A. Stanley. 1 Mandrill.
 GUINNESS, The Hon. Walter E. 1 Mozambique
 Cercopitheque.
 GUNN, Mr. T. E. 2 Lesser Redpolls, 7 Mealy Redpolls,
 1 Barn Owl.
 GÜNTHER, Dr. A., F.R.S., F.Z.S. 1 Pileated Jay.
 HALL, Mrs. 2 White-backed Piping Crows.
 HALL, Mr. W. 1 Common Chameleon.
 HALLETT, Mr. C. 1 Hoary Snake.
 54 - HANNAY, Mr. H. D. 1 Chapman's Zebra.
 HARCOURT, The Right Hon. L. V., P.C., M.P., F.Z.S.
 1 Dingo ♂.
 HARDING, Mr. W. A. H., M.A., F.Z.S. 2 Hybrid
 Swainson's Lorikeets, 1 Indian Rat Snake, 1 Cooke's
 Tree Boa, 1 Martin's Cercopitheque.
 56 - HARINGTON, Major H. H., F.Z.S. 1 White-winged
 Wood Duck.
 HARLEY, Mr. Robert George Geoffrey, F.Z.S. 1
 Mongoose Lemur.
 HASCHKE, Mr. A. W. 2 Common Kestrels.
 HAYWARD, Mrs. 1 Eupatorian Parrakeet.
 54 - HEATLEY, Mr. Hugh H. 2 Hunting Dogs.
 HEDGE, Mrs. 1 Slender-billed Cockatoo.
 HENDERSON, Mrs. Brollis. 1 Ariel Toucan.
 HEPWORTH, Mrs. 28 Barbary Turtle Doves.
 HERBERT, Miss. 1 Common Marmoset.
 HEWBY, Mrs. J. C. 2 Crimson-eared Waxbills, 1
 Orange-cheeked Waxbill.
 HIRD, Mrs. R. L. 1 Orange Weaver-bird, 1 Common
 Hamster.
 HITCHCOCK, Mr. H. E. 1 Ring-tailed Lemur.
 HOBLYN, Mr. R. 3 Locusts.
 HOGG, Mr. Charles. 1 Carpathian Scorpion.

- HOLDEN, Mr. Ralph A., F.Z.S. 1 Pine Grosbeak.
HOLLOWAY, Mr. W. J. 2 West African Pythons,
1 Royal Python.
HOOK, Mr. Allan J. 1 Indian Civet.
HOOKER, Lady Hyacinth. 1 Hedgehog (Albino).
HOPKINSON, Dr. E., D.S.O., F.Z.S. 1 Senegal Hare,
1 Variegated Touracou, 1 Double-spurred Francolin,
1 Ox-bird.
HORSBRUGH, Major Boyd R., A.S.C., F.Z.S. 3
Madeiran Chaffinches.
HORSLEY, The Rev. Canon, M.A. 1 Black Salamander,
1 Alpine Newt.
HOWARD, Miss Evelyn. 1 Common Kestrel.
53 - HOWE, Mr. Frank E., C.M.Z.S. 1 Mallee Bird.
HUCKLEBRIDGE, Mrs. 1 Greater Sulphur-crested Cockatoo.
HUGHES, Mrs. John B. 1 Jackdaw.
HUNT, Mrs. 1 Magpie.
HUNTER, Mr. George. 1 Ring-necked Parrakeet.
INGLES, Miss Helen. 1 Roseate Cockatoo.
82 - INGRAM, Sir William, Bt., F.Z.S. 2 Cinereous Doves.
IRVING, Miss L. 1 Egyptian Jerboa.
JENKINS, Mr. A. 1 Greater Sulphur-crested Cockatoo.
JOSE, Mr. J. E. 1 Senegal Parrot.
KENNION, Major R. L., I.A., F.Z.S. (*see* Watson).
KEMPTHORNE, Capt. H. N. 1 Ocelot.
KINGDON, Mr. D. 1 Red-footed Ground Squirrel, 1
Egyptian Monitor.
KINGSLEY, Master A. T. 1 Longicorn Beetle Larva.
KIRK, Mr. C. E. 1 Roloway Cercopitheque ♀.
KNIGHTS, Mr. J. R. 1 Eupatorian Parrakeet.
KUEHN, Mr. F. E. 1 Roloway Cercopitheque ♂.
84 - LAY, Mr. W. Thurlow-. 1 Masked Palm Civet, 1 Bengalese
Cat.
LEAPMAN, Mr. Lionel. 1 Greater Sulphur - crested
Cockatoo.
LEE, Miss Lola. 1 Common Boa.
LEECH, Mr. H. 1 Common Snake.
LEGGE, The Hon Gerald. 1 Common Otter ♀.
LEIGH, Mr. J. HAMILTON, F.Z.S. 1 Wild Cat.
LIFFULLY, Mr. 1 Gannet.
L'HOËST, Monsieur Michel, C.M.Z.S. 1 Black Tanager,
1 Scarlet Tanager.

- LILFORD, The Lord, F.Z.S. 1 Red-crested Pochard ♂.
- LLOYD, Mr. J. F. M. 1 Common Fox ♀.
- LLOYD, Capt. R. L. 1 Marsh Mongoose.
- LOCKWOOD, Capt. Henry B., F.Z.S. 53 Fresh-water Crayfishes.
- LODER, Sir Edmund, Bt., F.Z.S. 2 North American Turkeys.
- LONDESBOROUGH, The Dowager Lady. 1 Eupatorian Parrakeet.
- LONGLAND, Mrs. 1 Jackdaw.
- LORAINE, Miss Gwynethlyn M. 1 Capybara.
- LOWDEN, Miss. 1 Eupatorian Parrakeet.
- LUGDEN, Mr. S. 1 Lobed Chameleon.
- LUHN, Dr. 1 Serval.
- LUNNON, Mrs. 1 Rose-crested Cockatoo.
- LYON, Miss R. 1 White-eyebrowed Wood Swallow.
- 56 - LYTE, Mr. Maxwell. 1 Patas Cercopitheque, 1 Korin Gazelle ♀.
- MACFARLANE, Dr. W. F., F.Z.S. 1 Leopard, 1 White-crested Tiger Bittern, 3 West African Pythons.
- MACKENZIE, Mr. 3 Rough-eyed Caymans.
- MALANE, Mrs. L'Estrange. 2 Saffron Finches, 2 Red-beaked Weaver-birds, 1 Orange Weaver-bird, 1 Nutmeg Finch, 2 Ruddy Finches.
- MALCOLM, The Hon. Mrs. Charles. 1 Greater Sulphur-crested Cockatoo.
- MANN, Lady. 1 Sooty Mangabey ♀.
- MARSHALL, Mr. E. Newell. 1 Rose Hill Parrakeet.
- MARTIN, Miss J. M. 1 Grenadier Weaver-bird.
- 55 - MAYER, Mr. Edward. 5 Elephantine Tortoises.
- MCCALLUM, Mr. J. K. 1 Guinea Baboon ♂.
- MCGREGOR, Mrs. M. A. 4 Amaduvade Finches.
- MCLELLAN, Miss E. M. 1 Blackbird.
- MEDLAND, Miss Lilian, F.Z.S. 1 Crossbill, 1 Goldfinch.
- MICHELL, Mrs. 1 Greater Sulphur-crested Cockatoo.
- MILLER, Mr. Tinniswood, F.Z.S. 1 Forsten's Lorikeet.
- MOCKFORD, Mr. J. B. 2 Mona Cercopitheques ♂ ♀.
- MOLE, Mr. R. R., C.M.Z.S. 3 Cooke's Tree Boas, 1 South American Rat Snake, 1 Anaconda, 1 Corais Snake, 1 Cenchoa Snake, 7 Land Snails.
- MONEY, Major W. M. 1 Eupatorian Parrakeet.
- MOON, Mr. 1 Tawny Owl.
- MOORE, Mr. Murray. 8 Dwarf Chameleons.

- 54 - MOORE, Lieut. Stephen St. L., R.N. 1 Lar Gibbon.
 MOSELEY, Commander F. J. 2 Servals.
 MOUILLOT, Mr. Frederick, F.Z.S. 1 Grand Galago.
 MURCH, Mr. F. 1 Small Hill Mynah.
 MURRAY, Mr. C. J., F.Z.S. 1 Wild Cat.
 MURRAY, The Hon. Mrs. Gideon. 2 Guilding's Amazons.
 MURRAY, Mr. R. B. 1 Grey Mongoose.
 MUTSU, Mr. Yonosuké. 9 Japanese Goldfish.
 MYBRUGH, Mrs. A. M. 1 Common Macaque ♂.
 NEVE, Mr. W. West. 1 Greater Sulphur-crested
 Cockatoo.
 NEWMAN, Mr. T. H., F.Z.S. 2 Barbary Turtle Doves.
 NICHOLAS, Mr. P. O. 1 Cape Cormorant.
 NICHOLSON, Miss Emily. 1 Black-eared Marmoset.
 NORTON, Mr. Alfred. 1 Blue-fronted Amazon.
 NORTON, Mrs. E. S., F.Z.S. 1 Yellow Wagtail.
 OAKES, Miss Violet. 1 Ring-necked Parrakeet.
 OLIVER, Mrs. J. F. 1 Tantalus Cercopitheque ♀.
 OPPERMAN, Mrs. B. 1 Greater Sulphur-crested Cocka-
 too.
 OSMASTON, Mr. B. B. 2 Streaked Laughing Thrushes.
 55 - OWEN, Mr. Fenwick. 2 Harnessed Bush-Bucks ♂ ♀, 1
 Patas Cercopitheque, 1 Black-tailed Oribi ♀, 2 Spur-
 winged Geese, 1 Crowned Hawk Eagle.
 PAGE, Mr. Wesley T., F.Z.S. 1 Grey-winged Ouzel.
 55 - PALK, The Hon. Mrs. E. A. 1 Orange-winged Amazon.
 PAM, Mr. Albert, F.Z.S. 2 Patagonian Conures, 2 Black-
 headed Conures, 1 Barn Owl, 1 Burrowing Owl,
 1 Virginian Eagle Owl, 1 Rufous Tinamou, 3
 Chilian Tinamous, 1 Aurita Dove, 2 De Filippis
 Meadow Starlings, 1 Chilian Starling, 6 All-green
 Tanagers, 4 Scarlet Tanagers, 1 Festive Tanager,
 6 Green-headed Tanagers, 1 Yellow-breasted
 Tanager, 4 Pectoral Tanagers, 1 Violet Tanager,
 2 Green-billed Toucans, 1 Red-rumped Hangnest,
 3 Blue Sugar-birds.
 55, 51 PAM, Mr. Hugo, C.M.Z.S. 2 Red-bellied Squirrels, 1
 Night Heron, 1 White Ibis, 4 Naked-eyed Pigeons,
 4 Scaly Doves, 1 Bare-faced Hangnest, 1 Golden-
 crowned Hangnest, 1 Grey-backed Ouzel, 1 Chima-
 chima Milvago, 1 Brazilian Caracara, 2 Yellow-
 winged Sugar-birds, 1 Black Tanager, 1 Lesser
 Rufous-necked Tanager, 6 Black-cheeked Cardinals,

2 American Buntings, 2 Rose-breasted Grosbeaks,
1 Orchard Hangnest, 2 Lined Finches, 1 Cayenne
Rail, 2 Martinique Gallinules, 1 Mexican Jay,
2 Green Toucanettes, 1 Double-striped Thick-knee,
1 Crested Hangnest, 1 Turkey Vulture, 1 American
Kestrel, 1 Bahama Duck, 1 Orinoco Goose, 2
Venezuelan Ground Doves, 1 Blue-crowned Jay.

PARNELL, Mr. William. 1 Grey Mongoose.

PATERSON, Mrs. 1 Rose-ringed Parrakeet.

PAUWELS, Monsieur Robert. 1 Budgerigar (blue variety).

PEMBERTON, Mr. Percy Leigh. 3 Wild Cats.

PENNANT, The Hon. Charles Douglas-, F.Z.S. 1 European
Flamingo ♀.

PENNANT, Lady Edith Douglas-. 2 Tovi Parrakeets,
2 Pennant's Parrakeets, 1 Rosy Parrakeet, 1 Brazilian
Hangnest, 1 Common Hangnest, 3 Egyptian Jerboas.

PERKINS, Mr. Charles Clifforde, F.Z.S. 3 Golden Carp,
3 Catfish.

PERKINS, Mr. Arthur E. 2 Great American Egrets.

PERTH, The Earl of. 1 Marsh Harrier, 2 European
Pond Tortoises, 1 Greek Tortoise.

PETTMAN, Mr. F. E. 1 Greek Tortoise.

PHILLIPS, Mr. E. Lort, F.Z.S. 1 Great Eagle Owl,
1 Budgerigar.

PHILLIPS, Capt. G. F. 1 Fettered Cat ♀.

55 - PHILLOTT, Lt.-Col. D. C. 2 Black-backed Geese.

PIKE, Miss. 1 Grey-headed Love-bird.

PIPER, Mrs. 1 Roseate Cockatoo.

POND, Mr. R. D. 1 Blue-fronted Amazon.

POTTS, Mr. W. T. 1 Sæmmerring's Pheasant ♂.

PRENTICE, Mrs. 1 Ring-tailed Lemur.

56 - RACE, Mr. W. S. 1 Brown Bear.

REIDPATH, Mrs. Tresilian. 1 Roloway Cercopitheque.

RICHARDSON, Miss. 1 Barbary Turtle Dove.

RIVERS, Capt. W. G. 1 Sloth Bear ♂.

ROBERTS, Mr. Reginald A. 1 Leopard ♀.

ROBINSON, Mr. Leonard J. 1 European Pond Tortoise.

ROOSE, Mr. Hubert F. 2 Black-eared Marmosets.

ROSS, Mr. John W., F.Z.S. 1 Greater Sulphur-crested
Cockatoo.

56 - ROTHSCHILD, The Hon. N. Charles, F.Z.S. 3 Pigmy
Cormorants, 2 Alpine Choughs.

ROWE, Mr. H. A. 1 Mona Cercopitheque.

ROYAL SOCIETY FOR THE PREVENTION OF CRUELTY TO ANIMALS. 1 Mute Swan.

RUEHOLE, Madame. 1 Common Squirrel.

RUSSELL, Mr. A. 1 Red-bellied Cercopitheque ♀.

RUSSELL, Mrs. C. 1 Black Rat.

SALTER, Mr. J. 1 Common Macaque ♀.

SALTOUN, The Lady. 1 West African Love-bird.

SANCEAU, Mr. L. E. 1 Blue-and-Yellow Macaw.

SAUNDERS, Mr. E. H. 1 Blue-fronted Amazon.

SCHWABE, Mr. E. Salis-, C.M.Z.S. 1 Black Vulture, 1 Brazilian Tapir, 1 Tayra, 1 Kinkajou.

SEDDON, Mrs. D. K. 1 Greater Sulphur-crested Cockatoo.

SEVASTOPULO, Mr. G. D. 1 Melodious Jay Thrush.

SHADBOLT, Mr. D. M. 2 Green Cercopitheques.

SHOLL, Mr. E. H. 2 Chaffinches, 2 Lesser Redpolls, 1 Nutmeg-bird ♀.

SIEVWRIGHT, Mrs. W. 1 Common Macaque ♀.

SILVER, Mr. Allen. 1 Cayman Amazon.

SIMONDS, Mr. T. 5 Common Trout, 4 Common Eels.

SLADEN, Lt.-Col. E. S. St. Barbe, F.Z.S. 1 Dorsal Squirrel.

SMITH, Mrs. Amy. 1 Tawny Owl.

SMITH, Mrs. A. J. 1 Vulpine Opossum.

SMITH, The Rev. Canon F. C., M.A., F.L.S., F.Z.S. 1 Slowworm.

SMITH, Mr. D. Seth-, F.Z.S. (Curator of Birds.) 1 Budgerigar, 1 Glass Snake.

SMITH, Master D. W. Seth-. 3 Edible Snails.

SMITH, Mr. L. M. Seth-, F.Z.S. 2 Ross's Plantain Eaters, 1 Ardesian Hawk, 1 Crested Guinea Fowl.

SMITH, Mrs. W. Seth-. 2 Budgerigars (yellow variety).

SMITH, Mr. Graham U. 1 Abyssinian Cercopitheque, 1 Common Macaque.

SMITH, Mr. MacGregor-. 1 West African Python.

SMITH, The Rev. Richard M. Langdale-. 1 Greater Black-backed Gull.

SMITHERS, Mr. Wilfred A. 3 Grey Crab-eating Dogs.

SOUTH WALES BORDERERS, 2nd Battalion of. 1 White-tailed Gnu.

SPOTTISWOODE, Mr. T. H. 1 Hernandez's Racoon.

SPURRELL, Dr. H. G. F. 1 Two-spotted Palm Civet, 1 Speckled Squirrel, 1 Nosehorned Viper, 1 Gaboon Viper, 1 Black and White Cobra, 1 Emerald Tree

Snake, 1 Banded Gecko, 2 Green Tree Snakes, 1 Lineated Snake, 2 Kirtland's Tree Snakes, 2 Spotted Burrowing Snakes, 1 Smyth's Snake, 1 Green Viper, 4 Egyptian Monitors, 1 Raddon's Lizard, 2 Banded Geckos, 3 Great Green Scorpions, 1 Yellow-throated Snake, 1 Orb-spinning Spider (*Nephila femoralis*).

- STANLEY, The Hon. Venetia. 1 Syrian Bear.
 STARK, Mr. W. Playters. 12 Harvest Mice.
 STEVENS, Miss E. M. 2 Common Badgers.
 STEVENSON, Mr. W. 1 Common Chameleon.
 STONEY, Mrs. Stella. 1 Silky Cow-bird.
 STOREY, Mr. P. A. 1 Jay.
 STOREY, Mr. R. H., F.Z.S. 1 Common Otter ♀.
 STOTT, Mr. S. R. 3 Common Chameleons.
 ST. QUINTIN, Mr. W. H., F.Z.S. 1 Hey's Partridge, 2 Green Amaduvade Finches, 2 Snow Buntings, 2 Snow Finches, 1 Hybrid Temminck's Tragopan, 2 Ocellated Sand Skinks, 6 Leaf Insects.
 STRAHAN, Miss Mary. 1 Common Peafowl ♂.
 STUART, Mrs. McDonald. 1 Common Fox.
 57 - STYLE, Mrs. George M. 8 Jackson's Whydah-birds, 2 Crimson-ringed Whydah-birds, 2 White-cheeked Colies, 10 Speke's Weaver-birds, 1 Grey-headed Sparrow.
 TANNER, Mr. Slingsby. 1 Crimson-eared Waxbill, 2 Zebra Waxbills, 2 Common Waxbills, 2 Hooded Finches, 1 Nutmeg Finch, 2 Shining Weaver-birds, 2 Yellow-rumped Seed-eaters, 1 Chestnut-eared Finch, 1 Common Fire Finch.
 TAYLOR, Mr. John H. 1 Grand Galago.
 TAYLOR, Capt. R. D. 1 Diamond Python.
 THOMAS, Miss Elsie Vera. 2 Common Marmosets.
 THOMSON, Mr. Thomas. 1 Tarantula Spider.
 THORNTON, Miss Bell. 1 Rhesus Macaque ♀.
 TICHBORNE, the late Sir Henry, Bt. 1 Malayan Bear.
 TIDEMAN, Mrs. 1 Roseate Cockatoo.
 55 - TINLING, Mr. J. A. 1 Buffon's Kob ♀.
 TODD, Miss E. L. 1 Manx Shearwater.
 TODD, Mr. R. W. 1 Eyed Lizard.
 TOWER, Mr. R. T., C.V.O., F.Z.S., and Mr. J. B. BODY, F.Z.S. 22 Axolotls.
 TOWNSHEND, Mr. F.W. (*see* Ffinch).

STATE OF THE FINANCES.

The Report of the Auditors of the Accounts for 1910 is issued to Fellows, bound at the end of this Report. In 1905, the Auditors, acting on the advice of Mr. W. B. Keen, Chartered Accountant, the professional Auditor of the Society, issued their Report on the finances of 1904 in a new form, replacing the old statement of Assets and Liabilities by a formal Balance Sheet, and the old statement of Receipts and Payments within the year by a proper dissection of Income and Expenditure belonging to the year. The Auditors of the Accounts of the year 1906, after discussion of the principles involved, continued the new system, which has been followed since. As, however, some of the Fellows prefer a statement on the simple Receipts and Payments system, such information is given in the next paragraph.

The total sum actually received within the year was £38,291. 3s. 10d. Of this total, £1,080 (the composition fees of 22 new compounders at £45, and of three Fellows, elected before 1907, who compounded for £30 in 1910) was invested to add to the composition account. There was thus left a sum of £37,211. 3s. 10d. available for the expenditure of the year. The ordinary payments within the year amounted to £33,312. 13s. 6d., leaving a balance on the working of the Society amounting to £3,898. 10s. 4d. To this has to be added a balance of £1,977. 0s. 5d. carried forward from 1909, and an

advance from the Society's Bankers of £17,100, making a total of £22,975. 10s. 9d., from which has to be deducted the following extraordinary expenditure:—

	£	s.	d.
New Offices and Fittings	13,882	11	5
New Stores' Buildings	741	0	4
Sanatorium	820	16	3
Birds of Prey Aviary	2,045	13	9
Polar Bears' Enclosure	1,320	18	1
New Goose and Duck Pond and Paddocks	114	7	11
New Bears' Enclosures	38	15	4
African Exhibition	816	0	9
Interest on Loans	720	14	1
Total	<u>£20,500</u>	<u>17</u>	<u>11</u>

There was thus left a balance of £2,474. 12s. 10d., made up by £2,301. 2s. 5d., the cash at the bankers on December 31st, 1910, *plus* £173. 10s. 5d. cash in hand at the office on the same date.

It must be noticed that the details of the above figures do not correspond exactly with the similar entries in the Auditors' report, as what is given here is a summary of the actual payments within the year, whilst the Auditors analyse the figures so as to make them refer to expenditure strictly belonging to the year.

As was anticipated in the Report for 1909, the Loan Account has been increased to £30,000, as the option has not yet been exercised on Hanover Square. The amount invested in the new Composition Account has now increased to the substantial amount of over £3,000. The decrease of £18,010. 0s. 8d. on the balance of assets over liabilities (general purposes) was anticipated in the Report for 1909, but the balance stands at the substantial figure of £37,676. 17s. 10d., and will increase at the rate of £2,000 per annum by the operation of the Sinking Fund, as explained in last year's Report.

Comparison of Income, 1909 and 1910.

	1909.			1910.			Comparison.			
	£	s.	d.	£	s.	d.	£	s.	d.	
Admission Fees	1,220	0	0	1,450	0	0	+	230	0	0
Subscriptions (Fellowship)	8,748	0	0	9,150	0	0	+	402	0	0
Composition Fees (proportion of uninvested Fund transferred in respect of the year)	860	0	0	818	0	0	-	42	0	0
Interest on Composition Fees invested ...	53	0	8	79	12	4	+	26	11	8
Garden Sales	431	8	0	511	18	2	+	80	10	2
Rent of Refreshment Rooms	1,000	0	0	1,000	0	0		—		
Rent of Bath-chairs	8	10	0	11	0	0	+	2	10	0
Rents—Hanover Square	143	15	0	5	0	0	-	138	15	0
Admission to Gardens	18,723	11	8	21,285	5	5	+	2,561	13	9
Riding Receipts	428	8	5	620	7	8	+	191	19	3
“Garden Guide” and Post-card sales, less expenses, printing, &c.	783	17	7	780	6	6	-	3	11	1
Rent of Lavatories	97	18	6	109	16	2	+	11	17	8
“Zoological Record” Sales	71	1	2	82	14	6	+	11	13	4
Sale of Ivory Tickets, &c.	—			24	17	6	+	24	17	6
Donations.....	—			111	0	0	+	111	0	0
Miscellaneous Receipts	45	3	6	22	18	1	-	22	5	5
	£32,614	14	6	£36,062	16	4	+	£3,448	1	10

The total income was between three and four thousand pounds more than that for 1909. There is a steady increase in the receipts from Fellows' subscriptions, but the chief increase was due to increase in Garden receipts—a specially satisfactory feature, as the weather was by no means good.

Comparison of Ordinary Expenditure, 1909 and 1910.

	1909.			1910.			Comparison.			
	£	s.	d.	£	s.	d.		£	s.	d.
Rent, Rates, &c., Gardens	1,500	8	8	1,518	10	0	+	18	1	4
Charge set aside under Workmen's Compensation Act	25	0	0	25	0	0		—		
Charges under Licensing Act, 1904	25	6	8	27	6	8	+	2	0	0
Rates, Taxes, &c., Hanover Square.....	302	14	6	177	2	6	-	125	12	0
Salaries, Gardens	5,840	7	6	6,499	9	1	+	659	1	7
Do. Office	1,618	4	6	1,646	19	1	+	28	14	7
Pensions, Gardens	356	3	4	462	0	0	+	105	16	8
Do. Office	752	0	0	752	0	0		—		
Provisions	4,842	11	7	4,820	14	2	-	21	17	5
Cost and Carriage of Animals	1,522	0	2	1,338	14	0	-	183	6	2
Menagerie Expenses	2,747	12	0	2,734	3	4	-	13	8	8
Prosectorium Expenses.....	837	13	6	788	11	9	-	49	1	9
Works (Ordinary)—Gardens	4,286	10	9	4,088	6	3	-	198	4	6
Do. Hanover Square.....	28	13	9	4	16	6	-	23	17	3
Gardeners' Expenses	1,470	18	2	1,498	5	0	+	27	6	10
Advertisements	582	17	0	350	12	3	-	232	4	9
Band Expenses (Net)	200	6	2	204	13	5	+	4	7	3
House and Office Expenses, Gardens	438	8	10	357	18	0	-	80	10	10
Do. do. Chief Offices...	749	12	7	922	14	0	+	173	1	5
Stationery and Printing (Miscellaneous)	403	12	11	449	1	8	+	45	8	9
Cost of Publications (Net).....	1,640	18	5	1,256	16	0	-	384	2	5
Cost of "Zoological Record" (Net).....	258	5	8	228	19	2	-	29	6	6
Library Expenses	563	16	0	582	12	9	+	18	16	9
Law Expenses and Fees	410	5	2	177	9	0	-	232	16	2
Interest on Loans	2	4	3				-	2	4	3
Lecture Expenses				10	14	10	+	10	14	10
Cost of Medals	7	7	0				-	7	7	0
Scientific Grant	45	0	0	30	0	0	-	15	0	0
TOTALS										
	£31,458	19	1	£30,953	9	5	-	£505	9	8

The increase in 'Salaries at the Gardens' is partly due to extra staff and partly to increase in the pay of keepers. The reduction in 'Cost of Publications' is a return to the normal, there having been a specially costly part of the *Transactions* in 1909. The 'Law expenses and fees' include commission paid on the letting of Hanover Square. The 'Scientific Grant' was in payment of the composition fee of a Fellow who had done the Society notable service.

HANOVER SQUARE FUND.

It may be convenient here to give a separate summary of the result of the disposal of the Society's Freehold Premises at Hanover Square, as the expenditure concerned falls into the accounts of several years. Messrs. Godson and Sons were granted a 99 years' building lease of the site at an annual rental of £1,200, with a peppercorn for the first year, and an option to purchase the freehold for the sum of £30,000, the option to expire two years after possession. Messrs. Godson have not yet exercised their option; they were given possession in July, 1910, and accordingly will pay rent from the corresponding date in 1911. The old building has been demolished, and Messrs. Godson have nearly completed a new building to the plans of Messrs. Belcher, R.A., and Joass, the plans having been approved and the construction watched on behalf of the Society by Mr. John Slater. The Society's Bankers advanced the sum of £30,000 at 4 per cent. on mortgage, and it was arranged that if the option of purchase were exercised, this debt, or whatever balance of it remained, should be at once discharged; in the meantime, beginning with 1911, the debt is being repaid at the minimum rate of £2,000 per annum, the first £1,000 having been already paid. The total cost of the new offices and library at the Gardens is as follows:—

Actual Building	£17,786	15	2
Architects	875	0	10
Furniture and Fittings...	938	16	1
		<hr/>	
	£19,600	12	1
		<hr/> <hr/>	

Of this amount, £4,469. 16s. 6d. was paid in 1909, £13,882. 11s. 5d. in 1910; in the present year £1,038. 14s. 2d. has already been paid, and £209. 10s. will be due when the painting, etc., delayed until the building was thoroughly dry, has been finished.

The following special works have also been undertaken :—

	£	s.	d.	£	s.	d.
NEW STORES DEPARTMENT.						
Paid in 1909... ..	780	0	0			
„ „ 1910... ..	741	0	4			
	<hr/>			1,521	0	4
NEW BIRDS OF PREY AVIARIES.						
Paid in 1909... ..	82	18	10			
„ „ 1910... ..	2,045	13	9			
	<hr/>			2,128	12	7
NEW POLAR BEARS' ENCLOSURE.						
Paid in 1909... ..	38	18	10			
„ „ 1910... ..	1,320	18	1			
	<hr/>			1,359	16	11
NEW BEARS' DENS.						
Paid in 1910... ..	38	15	4			
(<i>Estimated</i>) 1911... ..	661	4	8			
	<hr/>			700	0	0
NEW WATER FOWLS' PONDS.						
Paid in 1910... ..	114	7	11			
(<i>Estimated</i>) 1911... ..	385	12	1			
	<hr/>			500	0	0
				<hr/>		
				£6,209	9	10
				<hr/>		

The Society also discharged the deficit of £1,332. 16s. 10d. from 1908, which was a charge on the value of the premises at Hanover Square. It had also to pay various legal expenses connected with the transaction amounting to £562. 10s. 2d., and interest on loans amounting to £765. 2s. 1d.

Of the £30,000, there has thus been expended a total amount of £28,470. 11s., leaving a balance of £1,529. 9s. owing to the Hanover Square Fund by the general finances of the Society. Owing to special expenditure already incurred, and to be anticipated in connection with the South African Exhibition of 1911, the Council has decided to arrange for no further extraordinary expenditure until the end of the year.

CONCLUSION.

The Council are again able to congratulate the Fellows on the steady progress of the Society. Although the weather was not specially favourable, the income from Garden receipts was unusually good, whilst the income from Fellows' subscriptions was again greater than in any previous year. Improvements at the Gardens continue to be made as rapidly as the financial position permits, and the scientific work of the Society has been maintained at a high level of efficiency.

In the course of the year the following meetings for the business of the Society have been held :—

Council	...	...	...	...	18
Monthly Business Meetings	...	...	...	...	10
Scientific Meetings	...	...	...	...	13
Garden Committee	...	...	...	...	12
House and Library Committee	...	...	...	...	4
Publication Committee	...	...	...	...	13
Prosectorial Committee	...	...	...	...	11
Zoological Record Committee	...	...	...	...	2
Finance Committee	...	...	...	...	12

The Council wish to acknowledge the assistance they have received during the past year from the Committee of Publication, upon which are devolved, in accordance with the By-laws, the arrangement and supervision of the Society's Scientific Publications.

The Council have finally to ask you to thank those Fellows of the Society who have audited the Accounts for the past year.

Signed (for the Council),

P. CHALMERS MITCHELL,

Secretary.

Regent's Park, N.W.,
March 1st, 1911.