

REPORTS  
OF THE  
COUNCIL AND AUDITORS  
OF THE  
ZOOLOGICAL SOCIETY  
OF LONDON,  
FOR THE YEAR 1907.

PREPARED FOR THE ANNUAL GENERAL MEETING,

TO BE HELD ON

WEDNESDAY, APRIL 29<sup>TH</sup>, 1908.

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1908.

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## REPORT OF THE COUNCIL

*for the year 1907.*

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### ANNUAL GENERAL MEETING.

THE Seventy-ninth Annual General Meeting of the Society will be held on Wednesday, April 29th, 1908. The Chair will be taken at 4 p.m. at the Rooms of the Society, 3, Hanover Square.

In accordance with the alteration made in the By-laws of the Society in 1904, this Report and the Report of the Committee of Auditors which accompanies it are issued to the Fellows before the Annual General Meeting.

#### PROCEDURE AT THE ANNUAL GENERAL MEETING.

*(By-Laws, Chapter VII., Sections 1, 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.
  4. Discussion of the Auditors' Report.
  5. Presentation of the Council's Annual Report, previously issued to Fellows.
  6. Discussion of the Council's Annual Report.
  7. To receive the report of the Scrutineers on the result of the Ballot.
- No other business shall be transacted at such Meeting.

#### STATE OF THE ROLL OF MEMBERS.

##### *Fellows.*

The number of Fellows and Fellows Elect on the 1st. of January, 1907, was 3,921.

During the year 295 Fellows were elected, whilst 176 died or otherwise ceased to be Fellows, the net addition to the roll for the year being 119 ; the total number on the roll on January 1st., 1908, thus reached 4,040, the largest in the history of the Society. These are classified as follows :—

Compounders	...	...	... at £20	1
"	...	...	... „ £30	1,012
"	...	...	... „ £45	21
Compositions remitted	...	...	...	47
Paying annual subscriptions	...	...	...	2,723
Dormant	...	...	...	187
Admission-fees unpaid	...	...	...	49
				4,040
			Total	4,040

A form of recommendation for the Fellowship is enclosed with this Report, and the Council hope that Fellows will use their influence to maintain and increase the additions to the roll 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 Resigned.	Removed.			Ceased to be Fellows.	Number of Fellows, December 31.
		Compounders.			Subscribers.			Subscribers.	Dormant.	Admission Fees Unpaid.		
		£20.	£30.	Fee re-mitted.	£2.	£3.						
1898	184	1	28	1	...	79	35	6	...	7	157	3,185
1899	209	2	27	1	2	64	38	8	...	6	148	3,246
1900	174	...	41	1	...	75	44	5	...	4	170	3,250
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

*Foreign and Corresponding Members.*

No vacancy occurred in the list of Foreign Members, but the vacancies in the list of Corresponding Members were filled up by the election of the following 22 gentlemen during the year 1907 :—

Dr. Otto von Linstow, of Göttingen, Germany.

Prof. J. Playfair McMurrich, of the Anatomical Laboratory in the University of Toronto, Toronto, Canada.

John Alfred Wolffsohn, Esq., Valparaiso, Chile, South America.

Dr. Angel Cabrera Latorre, Museo de Ciencias Naturales, Madrid, Spain.

Prof. Carlos E. Porter, of the Museum, Valparaiso, Chile, South America.

John Claude White, Esq., C.I.E., Political Officer Bhutan and Tibet, India.

Prof. Charles Maria Heller, Ph.D., Curator of the Entomological Department of the Royal Zoological Museum, Dresden, Germany.

Thomas Harold Lyle, Esq., H. B. M. Vice-Consul, Bangkok, Siam.

Monsieur Ludovico Söderström, H. B. M. Consul, Quito, Ecuador, South America.

Henry Caracciolo, Esq., of Port of Spain, Trinidad,  
West Indies.

Madison Grant, Esq., Secretary of the New York  
Zoological Society, New York City, U.S.A.

Theodore Nicholas Gill, Esq., M.D., Ph.D., Professor  
of Zoology, the Columbian University, Washington,  
U.S.A.

Charles William Beebe, Esq., Curator of the Bird  
Department of the Bronx Zoological Park, New York,  
U.S.A.

Prof. Raphael Blanchard, Laboratoire de Parasitologie,  
École de Médecine, Paris, France.

Dr. Gustav Brandes, Director of the Zoological Gardens,  
Halle a/S, Germany.

Major F. A. Chaves, Head of the Meteorological Survey,  
Ponta Delgada, St. Michael, Azores.

Raymond Lee Ditmars, Esq., Curator of the Reptile  
Department of the Bronx Zoological Park, New  
York, U.S.A.

Ernest Albert Le Souëf, Esq., Director of the Zoo-  
logical Gardens, South Perth, Western Australia.

Dr. Arthur Looss, of the Government School of  
Medicine, Cairo, Egypt.

Prof. Dr. Otto Maas, of the Zoologisches Institut,  
Munich, Bavaria, Germany.

Arthur H. E. Mattingley, Esq., H.M. Customs, Mel-  
bourne, Victoria, Australia,

and

W. A. Wallinger, Esq., Bombay District Forest Offices,  
Dharwar, Bombay, India.

#### 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. At its evening Scientific Meetings interesting zoological specimens are exhibited, and communications are read, giving the results of the zoological investigations of a large

number of scientific men at home and abroad, the more important of these being published in the 'Proceedings' and 'Transactions.' By its support of the annual 'Record of Zoological Literature' (now incorporated for a provisional period of five years with the zoological portion of the 'International Catalogue of Scientific Literature'), it provides Zoologists with an invaluable aid to their work. The library of the Society is so useful to Zoologists that several have become Fellows with no other object than to take advantage of it. Through the Prosectorial Department at the Gardens, scientific use is made of the bodies of animals that have died. Of these, many go to enrich the collections in museums; others are used for anatomical study, whilst others are preserved to provide material for further research. Recent investigations have shown that parasites play a special rôle in the transmission of many diseases, and in the last three years great attention has been paid to the collection and examination of the rich material at the Gardens. The Pathological Department has the primary function of supplying information that may be useful in raising the general health of the animals at the Gardens and in detecting preventable causes of death, but it is hoped that it may help also in the scientific study of disease.

From time to time the Society has aided the work of zoological exploration either by direct grants of money or by the publication of the results of such investigations.

The zoological exploration of Eastern Asia, which the President has been good enough to undertake in order to further the scientific interest of the Society, has been continued during the past year with considerable success. Mr. Malcolm Anderson, His Grace's collector, has visited the northern islands of Japan—Saghalien and Hokkaido—Korea and the interesting intermediate island of Tsushima, and has now begun work on the Chinese area by a visit to the Shantung Peninsula. From these various localities he has sent a number of insects, reptiles, and birds, but his main work has been with mammals, which at the present time are far the least known, and offer the largest field both for the discovery of novelties and for the more accurate study of geographical distribution, and of the faunistic relation to each other of the different islands and countries concerned. The material

obtained by Mr. Anderson is most carefully and admirably prepared, and the magnificent series of perfect skulls enable conclusions to be reached which were quite unattainable on such material as can be obtained by the ordinary methods.

No such survey has been attempted in Eastern Asia before, its only parallels being those which have been conducted in America by the government authorities there, and in South Africa by the British Museum, with the equally generous help of Mr. C. D. Rudd.

The following papers on the collections have been published in the 'Proceedings' of the Society:—

I. List of Mammals obtained by Mr. M. P. Anderson in Japan, by O. Thomas, F.R.S., F.Z.S.

II. List of Small Mammals from Korea and Quelpart, by O. Thomas, F.R.S., F.Z.S.

III. On Mammals obtained by Mr. M. P. Anderson in the Philippine Islands, by O. Thomas, F.R.S., F.Z.S.

IV. List of Small Mammals from the Islands of Saghalien and Hokkaido, by O. Thomas, F.R.S., F.Z.S. With an Appendix on the Cold-blooded Vertebrates, by G. A. Boulenger, F.R.S., F.Z.S.

V. Second List of Mammals from Korea, by O. Thomas, F.R.S., F.Z.S.

Other memoirs are in preparation.

#### SCIENTIFIC MEETINGS.

To the thirteen meetings for the despatch of scientific business held in the Society's Rooms in Hanover Square in 1907, 99 communications were made. Of these, 78 were from Fellows and 3 from Corresponding Members. The remaining 18 papers were from individuals not belonging to the Society, and were communicated to it by the Secretary or by other Fellows. The corresponding number of communications in the year 1906 was 120.

These communications were submitted to the Committee of Publication, by which 70 were ordered to be printed in the 'Proceedings,' and 3 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, free of charge to all Fellows who subscribe to the Publications, along with the 'Proceedings'; 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 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, wherever possible, the communications to be made at the next Scientific Meeting.

*Proceedings.*

As announced in the Report for 1900, the 'Proceedings' of the year are now issued in two volumes, each of which contains two parts. Beginning with 1906, the two volumes have consecutive pagination throughout, so that the complete reference to any memoir is now as follows:—

P.Z.S., 190 , p. .

The two volumes for 1907 contain altogether over 1,000 pages with 56 plates and 257 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.
1898 . .	66	1091	1903 . .	57	780
1899 . .	72	1108	1904 . .	60	1010
1900 . .	62	1063	1905 . .	37	937
1901 . .	69	1144	1906 . .	70	1034
1902 . .	68	813	1907 . .	56	*

\* Make-up not yet complete.

*Transactions.*

Of the Society's quarto 'Transactions,' one part was published in 1907, viz. :—

VOL. XVIII. PART I. (August, 1907).

On New and Rare Crustacea of the Order Cumacea from the Collection of the Copenhagen Museum. Part I.

The Families *Bodotriidæ*, *Vauntompsoniidæ*, and *Leuconidæ*.  
By W. T. Calman, D.Sc., F.Z.S., British Museum (Natural  
History). With nine Plates.

The following three Memoirs were ordered by the  
Committee of Publication to be printed in the 'Trans-  
actions,' and are nearly ready:—

'On recently discovered Sub-fossil *Prosimiæ* from  
Madagascar,' by Dr. Herbert F. Standing.

'On the Forms of the Brain in the Extinct Lemurs  
of Madagascar, with some Remarks on the Affinities  
of the *Indrisinæ*,' by Dr. G. Elliot-Smith, F.R.S.

'An Account of the South American *Cheliferinae*  
in the Collections of the British and Copenhagen  
Museums,' by Mr. C. J. With.

The Council regret to record the death of Mr. George  
A. Doubleday, who had been in the service of the Society  
for twenty-four years, first as clerk in the Library, and  
afterwards as publication clerk in special charge of the  
'Proceedings' and 'Transactions.' Mr. Doubleday was a  
most careful and accurate sub-editor, and the late and  
present Secretaries of the Society, as well as the authors of  
memoirs published by the Society, owe much to him. On  
account of his early death and of serious domestic misfor-  
tune, the three children of Mr. Doubleday were left  
without provision. The Council inaugurated a fund on  
their behalf, to which a contribution of £100 was made  
from the funds of the Society, and which now amounts to  
over £200.

#### *Zoological Record.*

The 43rd. volume of the 'Zoological Record' (which con-  
tains a summary of the work done by Zoologists all over the  
world in 1906) is the first volume under the scheme of pro-  
visional amalgamation with the zoological portion of the  
'International Catalogue of Scientific Literature,' already  
announced in the Reports for 1905 and 1906. The Editor,  
Dr. David Sharp, F.R.S., F.Z.S., and his staff of recorders  
had considerable additional difficulties in the first year  
of the new arrangement, with the result that the volume  
was later in appearance than usual. The Divisions relating  
to *Protozoa*, *Cœlenterata*, *Porifera*, *Protochordata*, *Vertebrata*  
(General), *Pisces*, *Reptilia and Batrachia*, and *Mammalia*  
were issued in December 1907, and the remaining  
portions at intervals since then. It is not anticipated that

these difficulties will recur, and the complete volume for 1907 ought to appear about the end of 1908.

The most obvious difference between the old volumes and the new is that the latter is printed in double columns, in accordance with an international agreement. It is expected that the combined systems of the Record and Catalogue will secure a more complete record of the literature than has been obtained hitherto, and that, when the difficulties of the amalgamation have been overcome, much greater efficiency will be attained.

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
Coelenterata . . . . .	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, etc., on the Exchange List of the  
Society's Publications.*

A full list of these Institutions, etc., 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, Pittsburg, 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.

A complete set of the 'Zoological Record' has been lent to the Lowestoft Laboratory of the Marine Biological Association.

*Garden Guide.*

The 'Official Guide to the Society's Gardens,' written by the present Secretary, consists of 112 pages, with 50 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 the Offices, 3, Hanover Square, and sold there and at the Gardens at the price of sixpence in paper covers, or one shilling bound in art-cloth cover. The copyright and the profits of sale belong to the Society. Since 1903, when the first edition was published, 172,306 copies have been sold. The sixth edition, with many new illustrations, and a section specially devoted to the fauna of Australia and New Zealand, in connection with the exhibition of animals from these regions (see p. 29), will appear early this summer.

*Postcards.*

The edition of uncoloured Pictorial Postcards of the animals was sold out, making a total sale of over 327,000 of these in the last four years. A new series is in preparation. Of the series of 12 Coloured Postcards, arranged for early in 1907, 66,526 were sold in the course of the year.

The profit to the Society on the sale of Guides and Postcards amounts to about £800 per annum.

## LIBRARY.

The Library, under the superintendence of Mr. F. H. Waterhouse, the Society's Librarian, was maintained in good order throughout the year, and has been much resorted to by working naturalists. Altogether 2,150 visits were paid to it by Fellows and persons introduced by them. About 1,850 volumes were borrowed from it under the usual regulations.

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>
F. E. Beddard .....	Annales de Biologie Lacustre, Bruxelles. Tome I. Fasc. 3 (1906). Tome II. Fasc. 1, 2 (1907).
Trustees of the British Museum.	Bernard. Catalogue of the Madreporarian Corals. Vol. VI. 1906. Kirby. A Synonymic Catalogue of Orthoptera. Vol. II. 1906. Hampson. Catalogue of the Lepidoptera Phalænæ. Vol. VI. 1906. List of Casts of Fossils, reproduced chiefly from Specimens in the Department of Geology. 5th ed. 1906. Guide to an Exhibition of old Natural History Books. 1905. Guide to the Great Game Animals (Ungulata). 1907. Guide to the Fossil Invertebrate Animals. 1907. Illustrations of British Blood-sucking Flies, with Notes by E. E. Austen. 1906. History of the Collection contained in the Natural History Department. Vol. II. 1906.

<i>Donor.</i>	<i>Donation.</i>
Trustees of the British Museum.	National Antarctic Expedition, 1901-1904. Natural History. Vols. I.-III. 1907.
R. Burckhardt .....	Theobald. Monograph of the Culicidæ or Mosquitoes. Vol. IV. 1907.
F. Burgoyne .....	Biologie und Humanismus. 1907.
J. Büttikofer.....	A New History of Ethiopia. By J. Leutholf. Made into English by J. P. Gent. 1682.
Trustees of the Zoological Museum, University of Copenhagen.	Feest-Uitgave ter viering van het 50-jarig bestaan der Rotterdamsche Diergaarde. 1907.
F. Finn .....	Danish Ingolf-Expedition. IV. part 2.
E. H. Giglioli.....	Birds of the Countryside. 1907.
J. D. F. Gilchrist .....	Ornithological and other Oddities. 1907.
E. A. Goeldi .....	Habits of the Flightless Birds of New Zealand. By R. Henry. 1903.
A. A. Gray.....	Big Game Shooting on the Equator. By F. A. Dickinson. 1907.
L. Heck .....	Herodotus. Translated by H. F. Cary. 1907.
W. A. Herdman .....	Pets and How to Keep Them. 1907.
(Mrs.) F. W. Hutton...	Avifauna Italica. 2nd ed. 1907.
Trustees of the Indian Museum.	Marine Investigations in South Africa. Vol. III.
	Album de Aves Amazonicas. Fasc. 3. 1907.
	The Labyrinth of Animals. Vol. I. 1907.
	Das Tierreich. 2 Vols. 1894-97.
	Lebende Bilder aus dem Reiche der Tiere. 1899.
	Phylogenetic Classification of Animals. 1885.
	Invertebrate Fauna of the Firth of Forth. By G. Leslie and W. A. Herdman. 1881.
	Lancashire Sea-Fisheries. Memoirs, I., II. 1899-1902.
	The Lesson of Evolution. 2nd edition. By F. W. Hutton. 1907.
	Alcyonarians of the 'Investigator.' By J. A. Thomson and W. D. Henderson. 1906.
	Illustrations of the Zoology of the 'Investigator.' Crustacea (Malacostraca), part xii.; Crustacea (Entomostraca), part i.; Mollusca, part iv. 1907.

<i>Donor.</i>	<i>Donation.</i>
W. Kidd.....	The Sense of Touch in Mammals and Birds. 1907.
G. Lewis.....	A Systematic Catalogue of the Histeridæ. 1905.
G. Loisel.....	Rapport sur une Mission Scientifique dans les Jardins et Établissements Zoologiques publics et privés du Royaume-Uni de la Belgique et des Pays-Bas. 1907.
E. Lönnberg .....	Linnæus Methodus Avium Svecicarum. Utgifven af E. Lönnberg. 1907.
P. Chalmers Mitchell ...	The Prolongation of Life. By É. Metchnikoff. The English translation, edited by P. Chalmers Mitchell. 1907.
K. Möbius .....	Ästhetik der Tierwelt. 1908.
H.S.H. Albert, Prince of Monaco.	Bulletin du Musée Océanographique de Monaco. Nos. 87-108.
W. H. Mullens .....	Gilbert White, of Selborne: a Lecture, June 4th, 1907.
Department of Fisheries, New South Wales.	The Fishes of Australia. By D. G. Stead. 1906.
A. Newton.....	Historie von Grönland. Von David Cranz. 1765.
	Reise nach Norwegen. Von J. C. Fabricius. 1779.
R. H. Porter .....	Cattle Management. By W. Youatt 1838.
	Dictionary of Useful Animals and their Products. By P. L. Simmons. 1883.
Royal Hungarian Minister of Agriculture.	The International Convention for the Protection of Birds concluded in 1902. By Otto Herman. 1907.
Royal College of Surgeons.	Descriptive and Illustrated Catalogue of the Physiological Series of Comparative Anatomy. 2nd ed. Vol. ii. 1907.
	Catalogue of the Specimens illustrating the Osteology and Dentition of the Vertebrated Animals. 2nd ed. Part I. 1907.
Howard Saunders.....	Handbook of British Island Birds. By A. Collett and E. Parker. 1906.
	La Grotte de Reilhac. Par É. Cartailhac et M. Boule. 1889.
	Essai sur l'Histoire Naturelle du Desman des Pyrénées. Par E. Trutat. 1891.
H. Scherren .....	Final Natural History Essays. By G. Renshaw. 1907.
W. B. Tegetmeier.....	A New and Accurate System of Natural History. By R. Brookes. 6 vols. 1763.
	Report of the Secretary of War (U.S.A.) on the Purchase of Camels. 1857.

<i>Donor.</i>	<i>Donation.</i>
K. Vetenskaps Soc. Bibliotek, Upsala.	Zoologische Studien. Prof. T. Tullberg. 1907.
Max Weber .....	'Siboga' Expedite. Monographs. Parts xiii., xx., xxvi., xxxi. and liv.
W. Weltner .....	'Archiv für Naturgeschichte,' Jahrg. 66, Bd. ii., Heft 1; Jahrg. 67, Bd. ii., Hefte 1, 2; Jahrg. 68, Bd. ii., Hefte 1, 3; Jahrg. 69, Bd. ii., Heft 2; Jahrg. 72, Bd. i. Heft 3, und Bd. ii., Heft 2; Jahrg. 73, Bd. i., Heft 1, 2.
P. M. Yearsley .....	Elements of Entomology. By W. S. Dallas. 1857.
	Physical History of Mankind. By J. C. Prichard. 4th ed. 5 vols. 1851-58.
	British Beetles. By E. C. Rye. 1866.
	Insect World. By L. Figuier. 2nd. ed. 1869.
	Handbook of British Lepidoptera. By E. Meyrick. 1895.

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

- 'Archiv für mikroskopische Anatomie.' Bd. i.-viii. and xiii.-xxv.
- Beebe (C. W.). The Bird. 8vo. New York, 1906.
- Belon (P.). L'Histoire Naturelle des éstranges Poissons marins. 8vo. Paris, 1551.
- Bolk (L.). Das Cerebellum der Säugetiere. 8vo. Jena, 1906.
- Chapman (A.). Bird-Life of the Borders. 2nd. ed. 8vo. London, 1907.
- Comte (J. A.). Règne Animale. 2 Vols. folio. Paris, 1840.
- Ditmars (R. L.). The Reptile Book. 8vo. New York, 1907.
- Folsom (J. W.). Entomology. 8vo. London, 1906.
- Forrest (H. E.). The Vertebrate Fauna of North Wales. 8vo. London, 1907.
- Frisch (J. L.). Vorstellung der Vögel in Deutschland. 2 Vols. folio. Berlin, 1817.
- Froggatt (W. W.). Australian Insects. 8vo. Sidney, 1907.
- Jennings (H. S.). Behaviour of the Lower Organisms. 8vo. New York, 1906.
- Johnson (T.). Personal Recollections of the Zoo. during a Period of Fifty Years. 8vo. Dartford, 1905-07.
- Johnston (Sir H.). Liberia. 2 Vols. 8vo. London, 1906.
- Johnston (J. B.). The Nervous System of Vertebrates. 8vo. London, 1907.
- Laveran (A.) and Mesnil (F.). Trypanosomes and Trypanosomiasis. 8vo. London, 1907.
- Lydekker (R.). Game Animals of India. 8vo. London, 1907.
- Martorelli (G.). Gli Uccelli d'Italia. 4to. Milano, 1906.



- Millais (J. G.). Newfoundland and its Untrodden Ways. 4to. London, 1907.
- Morley (C.). Ichneumonologica Britannica. Vol. ii. 8vo. Plymouth, 1907.
- Die Naturforscher. 30 Vols. 8vo. Halle, 1774-1804.
- Patten (C. J.). Aquatic Birds of Great Britain and Ireland. 8vo. London, 1906.
- Schmiedeknecht (O.). Die Hymenopteren Mitteleuropas. 8vo. Jena, 1907.
- Selous (F. C.). Recent Hunting Trips in British North America. 8vo. London, 1907.
- Ward (R.). Records of Big Game. 5th edition. 8vo. London, 1907.
- Whitaker (J.). Notes on the Birds of Nottinghamshire. 8vo. Nottingham, 1907.

The following is a list of the principal zoological works in course of publication, of which parts were purchased in 1907 :—

- André. Species des Hyménoptères. Tome x., fasc. 97-98.
- Baker. Invertebrata Pacifica. Vol. i., pp. 160-178.
- Barrett. Lepidoptera of the British Islands. Parts cxxvi.-cxxviii.
- 'Belgica.' Expédition Antarctique Belge. Ostracoden, Medusen et Insects.
- Biologia Centrali-Americana. Edited by F. Du Cane Godman. Zoology, Parts exciv.-excvii.
- Bronn's Thierreich. Band ii. Abth. 3 (*Echinodermata*), Lief. 74-77; Band iii. (*Mollusca*), Lief. 90-94; Band iii., Suppl. (*Tunicata*), Lief. 68-80; Band iv. (*Vermes*), Lief. 75-91; Band iv., Suppl. (*Nemertini*), Lief. 27-29; Band v. (*Arthropoda*), Lief. 78-79.
- Brunner von Wattenwyl und Redtenbacher. Die Insektenfamilie der Phasmiden. Lief. 1, 2.
- Deutsche Südpolar-Expedition, 1901-03; Band ix. (Zool) Hefte. iv. v.
- Distant. Insecta Transvaaliensia. Part viii.
- Dresser. Eggs of the Birds of Europe. Parts v.-x.
- Fauna u. Flora des Golfes von Neapel. Monogr. xxx., Phoronis.
- Fauna Hawaiiensis. Vol. i. Part v.
- Française, Expédition Antarctique, 1903-05. Poissons, Tuniciers, Mollusques, Échinodermes, Hydroïdes, Arthropodes et Vers.
- Godman. Monograph of the Petrels. Part 1.
- Godwin-Austen. Land and Freshwater Mollusca of India. Vol. ii. Part 10.
- Hartert. Die Vögel der paläarktischen Fauna. Heft 4.
- Howard. British Warblers. Part 1.
- India. Fauna of British India. Coleoptera, Vol. i. By C. J. Gahan. Butterflies, Vol. ii. By C. T. Bingham.
- Kerremans. Monographie des Buprestides. Tome ii. Livr. 9-17.
- Kershaw. Butterflies of Hongkong and S. E. China. Parts 4-6.

- Kobelt. Iconographie der schalentragenden europäischen Meeresconchylien. Band iv., Lief. 3, 4.  
 ——. Rossmässler's Iconographie der europäischen Land- und Süßwasser-Mollusken. N. F. Band xiii., Lief. 1-4; Bd. xiv., Lief. 1-4.  
 Leuckart und Chun. Bibliotheca Zoologica. Hefte xl<sup>2</sup>., xlv<sup>2</sup>., xlix., li.  
 Loango Expedition, 1873-76. Band iii., Hälfte 2.  
 Lundbeck. Diptera Danica. Part 1.  
 Martini und Chemnitz. Conchylien-Cabinet. Lief. 512-519.  
 Moore. Lepidoptera Indica. Part 76.  
 Newton. Ootheca Wooleyana. Part 4.  
 Nova Guinea. Résultats de l'Expédition Scientifique Néerlandaise à la Nouvelle-Guinée en 1903. Vol. iii. Ethnography and Anthropology. Vol. v. Zoology. Part 1.  
 Opuscula Ichneumonologica. Fasc. 15-17.  
 Plankton-Expedition der Humboldt-Stiftung. Acanthopractiden, von Dr. A. Popofsky; Tintinnodeen, von Dr. K. Brandt; Medusettidæ, von Dr. A. Borgert; Rotatorien, von Dr. C. Zelinka.  
 Sarasin. Materialien zur Naturgeschichte der Insel Celebes. Band v. Teil 2.  
 Schiödt. Zoologia Danica. Hefte 12.  
 Semper. Reisen im Archipel der Philippinen. Bd. x. Hefte 3, 4.  
 Sepp. Niederländische Vlinders. Ser. 3, Vol. i., Nos. 3, 4.  
 Taylor. Land and Freshwater Mollusca of the British Islands. Parts xiii., xiv.  
 'Travailleur' et 'Talisman.' Expédition Scientifique. Tome viii. Annélides, Hydrodes, &c.  
 Tryon. Manual of Conchology. Ser. 2, Parts lxxii.-lxxv.  
 Tutt. British Butterflies. Vol. i., parts xvii.-xx.; Vol. ii., parts i.-xiii.  
 'Valdivia.' Wissenschaftliche Ergebnisse der Deutschen Tiefsee-Expedition auf dem Dampfer 'Valdivia,' 1898-99. Band x., Lief. 2; Bd. xi., Lief. 2; Bd. xv., Lief. 1.  
 Voeltzkow. Reise in Ostafrika, 1903-05. Band ii., Heft 1; Bd. iv., Heft 1.  
 Wytsman. Genera Insectorum. Fasc. 46c, 50-60.

The following is a list of periodicals received in 1907 from the various Societies and Institutions with which this Society is in correspondence:—

#### AFRICA.

- Cape Town: S. Afr. Mus., Annals, iv., part 7; v., parts 4, 5; Report 1906.  
 „ „ S. Afr. Phil. Soc., Trans. xiii., pp. 289-546; xvi., parts 1, 5; xvii., part 1; xviii., part 1.  
 Grahamstown: Albany Mus., Records, ii., part 1.  
 London: S. Afr. Ornithol. Union, Journ. ii. no. 2; ser. 2, i. nos. 1, 2.

## AMERICA (North).

- Berkeley: Univ. of California. Publications in Zoology, iii., nos. 9-14; iv., nos. 1, 2; Entomology, 1., nos. 1, 2.
- Boston: Amer. Acad. of Arts and Sci., Proc. xlii., nos. 13-29; xliii., nos. 1-11; l., nos. 6, 7; Mem. xiii., nos. 4, 5; xxxiv., no. 1; xxxv., no. 1.
- Brooklyn: Inst. of Art. & Sci., Bull. i., nos. 4, 10; Report 1906.
- Cambridge, Mass.: Mus. Comp. Zool. Harvard Coll., Bull. xliii., no. 5; l., nos. 8, 9; li., nos. 1-6; Rep. 1905-06.
- Chicago: Field Mus. Nat. Hist., Rep. Ser., iii., no. 1.
- Indianapolis: Indiana Ac. Sci., Proc. 1905, 1906.
- Montreal: Roy. Soc. Canada, Proc. and Trans. Ser. 2, xii.
- New York: Amer. Mus. Nat. Hist., Bull. xviii, part 4; xxiii., parts 1-36; Journ. vii.
- "    "    Linn. Soc. Abstract of Proc., nos. 17-19 (1904-07).
- "    "    N. Y. Acad. Sci., Annals, xvii., part 2.
- "    "    Zool. Soc., Rep. 11th 1906 (1907); Bull. nos. 24-26.
- Ottawa: Geol. Surv. of Canada, Reports 1905, 1906; The Cruise of the 'Neptune,' 1903-04, by A. R. Low.
- Philadelphia: Acad. Nat. Sci., Proc., 1907; Entomol. News, xviii., nos. 1-10; Journ. ser. 2, xiii., no. 3.
- "    Amer. Ent. Soc., Trans. xxxii., nos. 3, 4; xxxiii., nos. 1-3.
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- Pittsburg: Carnegie Mus. Annals, iv., nos. 1, 2; Memoirs, ii., no. 10; iii., no. 1; Report, 1907.
- Toronto: Univ. of Toronto, Studies (Biol. Ser.), no. 7; (Geol. Ser.), no. 4; (Pathol. Ser.), no. 1; (Phys. Ser.), no. 6.
- Urbana: Illinois State Lab. Nat. Hist., Bull. vii., articles 6-9.
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- "    Carnegie Inst., Publications, nos. 12, 20, 47, 48, 51, 70, 81.
- "    Dept. of Comm. and Labour, Bureau of Fisheries, Bull. xxv.; Rep. 1905 (1907).
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- "    U. S. Nat. Mus., Proc. xxxi., xxxii.; Bull. no. 50, part 4; 53, part 2; 56-60; Ann. Rep. 1905.
- "    U. S. Geol. Surv., Monographs, xlvi., 1-liv., liv.; Ann. Rep., xxvii.; Bull. nos. 270, 283-287, 289, 290, 292, 293-296, 297-304, 308, 310-314, 317, 318, 320, 323, 324; Professional Papers nos. 51, 53, 55, 57; Water-supply Papers nos. 159-162, 164, 172, 174, 175, 177, 179-195, 197-199, 201-206, 208; Mineral Resources, 1905.
- "    U. S. Dep. Agri. (Biological Survey), Bull. No. 28; Circulars Nos. 61, 62 (Division of Entomol.), Bull. N. S. nos. 58, 61, 63-65, 67-70, 72; (Technical Ser.) no. xii., parts, 3-5; xiv., Farmer's Bull., nos. 275, 283, 284, 290, 308.
- "    Washington Ac. Sci., Proc. viii., pp. 197-486; ix., pp. 1-522.

## AMERICA (South).

- Buenos Aires : Nat. Mus., Anales, ser. 3, vi., viii.  
 La Plata : Museo, Anales (sec. Bot.) i.; (sec. Palæont.) v.;  
 Revista, xi.  
 Montevideo : Nat. Mus., Anales, ser. 2. iii., entrega 1, 2.

## AUSTRALIA.

- Adelaide : Roy. Soc. S. Austr., Trans. xxx., and Index to Vols.  
 i.-xxiv.  
 Melbourne : Roy. Soc. Vict., Trans. & Proc., N.S. xix., part 2 ;  
 xx., part 1.  
 Sydney : Austr. Mus., Records, vi., parts 4, 5 ; Report 1906 ; Mem.  
 iv., part ii.  
 „ Linn. Soc. N.S.W., Proc. xxxi., part 4 ; xxxii., parts 1-3.

## AUSTRIA-HUNGARY.

- Budapest : Roy. Hung. Mus., Annales, iv., part 2 ; v., parts 1, 2.  
 Cracow : Acad. Sci., Bull. 1906, nos. 4-10 ; 1907, nos. 1-3 ; Proc.  
 xxxix.  
 Vienna : Imp. Acad. Sci. ; Sitzungsber. cxv.  
 „ Zool. Bot. Soc., Abhandl. iv., Hefte 1-3 ; Verhandl. lvi.  
 Hefte 8-10 ; lvii., Hefte 1-7.

## BELGIUM.

- Brussels : Ent. Soc. Belg., Annales, 1.  
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 Tables des Bulletins, i.-xx.  
 „ Roy. Acad. Sci., Mém. (8vo.), i., fasc. 6-8 ; ii., fasc. 1, 2 ;  
 (4to.) ii., fasc. 3, 4 ; Bull. 1906, nos. 9-12 ; 1907,  
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 „ Roy. Zool. Malac. Soc., Annales, xli., fasc. 2, 3 ; xlii.,  
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## CHINA.

- Shanghai : Roy. Asiatic Soc., N. China Branch, Journ. xxxviii.

## DENMARK.

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 „ Bureau of the Internat. Council for the Exploration  
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## EAST INDIES.

Batavia : Roy. Soc. Dutch East Indies, *Natuurkundig Tijdschr.* deel. lxvi.

## FRANCE.

Caen : Linn. Soc. Normand., *Bull. sér. 5*, ix. ; *Mém.* xxii.  
 Lyon : Roy. Agric. Soc., *Annales*, sér. 8, iv.  
 Paris : Entomol. Soc., *Annales*, lxxiv.–lxxvi. ; *Bull.* 1905, 1906.  
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 „ *Nat. Soc. Acclim.*, *Bull.* 1907.  
 „ *Philomath. Soc.*, *Bull. sér. 9* ; viii., nos. 5, 6 ; ix., nos. 1–5.  
 „ *Zool. Soc. France*, *Mém.* xix., nos. 1, 2 ; xx., no. 1 ; *Bull.*  
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 Rennes : University of Rennes, *Travaux Scientifiques*, v.

## GERMANY.

Berlin : Roy. Pruss. Acad. Sci., *Abhandl.* 1906 ; *Sitzungsb.* 1906,  
*Hefte* 39–53 ; 1907, *Hefte* 1–38.  
 „ *Soc. Friends of Nat. Hist.*, *Sitzungs-Berichte*, 1906,  
 nos. 9, 10 ; 1907, nos. 1–9.  
 Bonn : Nat. Hist. Union of Rhineland & Westphalia, *Verhandl.*  
*Jahrg.* lxiii., *Hälfte* 2 ; *Sitzungsb.* 1906, *Hälfte* 2.  
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 „ *Senckenb. Nat. Hist. Soc.*, *Abhandl.* xxix., *Heft* 2.  
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 Göttingen : Roy. Soc. Sci., *Nachrichten* (Mathem.-physikal. Klasse),  
 1906, *Heft* 5 ; 1907, *Hefte* 1–3 ; (Geschäftliche  
*Mittheil.*), 1907, *Heft* 1.  
 Halle : Imp. Leopold-Carol. Ac. of Naturalists, *Nova Acta*,  
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 „ *Naturf. Gesell.*, *Abhandl.*, Bd. xxiv., xxv.  
 „ *Zool. Gardens*, *Mittheil.* i., ii., iii., *Hefte* 1–8.  
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*Hefte* 1, 2.  
 Jena : Med. & Nat. Hist. Soc., *Jenaische Zeitschrift*, xlii., xliii.,  
*Heft* 1 ; *Denkschr.* vi., Teil ii., Lief. 3 ; vii., Lief. 5.  
 Kiel : Biological Station of Helgoland. *Wissenschaftliche Meeres-*  
*untersuchungen.* N. F. (*Abh. Helgoland*), viii.,  
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 Würtemberg : Nat. Hist. Union, *Jahreshefte*, *Jahrg.* lxiii.

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 „ Roy. Irish Acad., Proc. (Sect. B.) xxvi., nos. 6-10.  
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 Hertford : Hert. Nat. Hist. Soc., Trans. xiii., parts 1, 2.  
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 „ Geol. Soc., Quarterly Journ. lxxiii. ; Geol. Literature added to the Library, 1906.  
 „ Linn. Soc., Journ. (Zool.), xxx., nos. 195, 196.  
 „ (Botany), xxxviii., nos. 263, 264 ; Trans. (Zool.), ser. 2, ix., no. 11 ; x., nos. 6, 7 ; (Botany), ser. 2, vii., nos. 4, 5 ; Proc., 1906-07.  
 „ North Sea Fisheries Investig. Comm., Rep. i., ii.  
 „ Roy. Agricultural Soc., Journ. xlvii.  
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 „ Roy. Geogr. Soc., Geographical Journ. xxix., xxx.  
 „ Roy. Inst. of Gt. Britain, Proc. xviii, part 2 ; List of Members, 1907.  
 „ South Lond. Ent. & Nat. Hist. Soc., Proc. 1906-7.  
 „ Roy. Soc., Phil. Trans. (ser. B), vol. 199, pp. 1-339 ; Proc. (A), lxxix ; (B), lxxix ; Year Book, 1907 ; Report Ceylon Pearl Oyster Fisheries and Marine Biology, part 5, by W. A. Herdman ; Report Mediterranean Fever, nos. 5-7.  
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- Amsterdam : Roy. Acad. Sci., Verhandel. sect. 2, xiii. ; nos. 1-3 ; Verslagen der Zittingen, xv., 1907 ; Jaarboek, 1906 ; Proc. (Section of Science), ix.  
 Haarlem : Dutch Soc. Sci., Archives Néerlandaises, sér. 2, xii., parts 1-5.  
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 Leyden : Mus. Nat. Hist., Notes, xxviii., nos. 3, 4 ; xxix., no. 1.

## INDIA AND CEYLON.

- Bombay : Bombay Nat. Hist. Soc., Journ. xvii., nos. 2-4.  
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" Colombo Museum : 'Spolia Zeylanica,' iv., parts 14-16.

## ITALY.

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Milan : Ital. Soc. Nat. Sci., Atti, xlv., fasc. 3, 4 ; xlvi., fasc. 1, 2.  
Naples : Zool. Stat., Mittheilungen, xviii., Hefte 1-4.  
Rome : Roy. Acad. Lincei, Atti (Rendiconti), ser. 5, xvi., i., ii. ;  
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Turin : Mus. Zool. Comp. Anat. Roy. Univ., Bollettino, xxi., xxii.  
" Roy. Acad. Sci., Atti, xlii. ; Mem. lvi., lvii.

## JAPAN.

- Tokyo : Imp. Univ., Journ. of the College of Sci., xxi., Art. 2-11 ;  
xxii., xxiii., Art. 1 ; Annotationes, vi., part 2 ;  
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## MALAY STATES.

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

## NEW ZEALAND.

- Wellington : New. Zeal. Inst., Trans. & Proc. xxxix.

## NORWAY.

- Bergen : Bergen Mus., Naturen, 1907 ; Aarbog, 1906, part 3 ;  
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parts 15-20.  
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## ROUMANIA.

- Jassy : Univ. of Jassy, Annales Scientifiques, iv., nos. 2-4.

## RUSSIA.

- Dorpat : Nat. Hist. Soc., Sitzungsber., xv., Hefte 2-4 ; xvi., Heft 1.  
Moscow : Imp. Soc. Nat., Bulletin, 1905, no. 4 ; 1906, nos. 1-4 ;  
Nov. Mém. 1906, nos. 3, 4.  
St. Petersburg : Entom. Soc. Russia, Horæ, xxxviii., parts 1, 2.  
" Roy. Acad. Sci., Annuaire Mus. Zool., xii., nos. 1-3.  
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- Barcelona : Inst. Nat. Hist., Bull. iii., nos. 6-9 ; iv., nos. 2-7.  
Madrid : Roy. Acad. Sci., Memorias, xxv. ; Revista, v., nos. 1-12 ;  
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## SWEDEN.

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## SWITZERLAND.

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Lausanne: *Vaud. Soc. Nat. Sci.*, *Bulletin*, sér. 5, xlii., nos. 156, 157; xliii., nos. 158-160.

Zurich: *Nat. Hist. Soc.*, *Vierteljahrsschrift*, li., Hefte 2-5; lii., Hefte 1, 2.

## WEST INDIES.

Barbados: *Agric. Depart. W. Ind.*, 'West Indian Bulletin,' vii., no. 4; viii., nos. 1-3.

Donations, memoirs, and papers have also been received from:—H. A. Allen, Esq.; Dr. Florentino Ameghino; the Editors of the 'American Journal of Science'; the American Philosophical Society; the Editor of the 'Athenæum'; Prof. C. Aurivillius; the Avicultural Society; the Zoological Gardens, Basel; the Librarian of the Bristol Public Libraries; F. Chapman, Esq.; T. F. Cheeseman, Esq.; Dr. A. Cligny; Dr. L. Cognetti de Martiis; Stanley Edwards, Esq.; Frank Finn, Esq.; Capt. Stanley S. Flower; the Foreign Bird Club; F. Du Cane Godman, Esq.; Dr. E. A. Goeldi; Dr. P. Z. Hebert; G. Henriksen, Esq.; Dr. Otto Herman; A. Hölder, Esq.; the Editor of the 'Indian Forester'; Department of Agriculture for Ireland (Fisheries Branch); the Royal Zoological Society of Ireland; C. Janet, Esq.; The Rev. F. C. R. Jourdain; the Editors of the 'Journal of Comparative Pathology and Therapeutics'; Dr. G. B. Longstaff; Dr. E. Lönnberg; Prof. W. C. McIntosh; Madras Government Museum; Prof. Alex. Meek; Dr. P. Chalmers Mitchell; the Editor of 'Nature'; the Agent-General for New South Wales; the New South Wales Zoological Society; the Zoological Society of Philadelphia; E. A. Porter, Esq.; A. E. Pratt, Esq.; the Hon. N. C. Rothschild; Henry Scherren, Esq.; C. Schuchert, Esq.; Dr. G. A. Schweinfurth; Dr. P. L. Sclater; T. Sheppard, Esq.; Dr. W. R. Shufeldt; Thomas Southwell, Esq.; G. A. Thomson, Esq.; Prof. T. Tullberg; T. W. Vaughan, Esq.; the Zoological and Acclimatisation Society of Victoria; Dr. W. A. Wallinger; F. H. Waterhouse, Esq.



## PROSECTORIAL DEPARTMENT.

The work in this Department has been carried on actively. In the course of the year, Dr. C. G. Seligmann, F.Z.S., the Society's Pathologist, resigned his post in order to take up an appointment abroad. During his tenure of the office, in addition to making a large number of *post-mortem* examinations, for report to the Prosectorial and Garden Committees, Dr. Seligmann conducted an extensive series of investigations into tuberculosis, the results of which have added considerably to the knowledge of this difficult subject. In succession to Dr. Seligmann, the Council have been fortunate in securing the services of Mr. H. G. Plimmer, M.R.C.S., F.R.M.S., F.Z.S., a pathologist of high standing. They have, in addition, arranged with Messrs. Sewell & Cousens to act as Honorary Consulting Veterinary Surgeons to the Gardens, and these gentlemen, in addition to attending specially a number of cases in the Gardens, have reported monthly to the Garden Committee on the general health of the animals.

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

The work carried out in the Prosectorium may be considered, as in former reports, under four heads, viz., (1.) Anatomical Research carried on in the Laboratory. (2.) Material supplied for purposes of Research or to Museums. (3.) Preservation of Material for future use. (4.) Information given to various persons upon Zoological matters.

(1.) *Research carried out in the Prosectorium.*

The anatomical work has been, as in former years, chiefly carried out by the Prosector, who has also given facilities to other persons to conduct researches in the Laboratory. Dr. G. Seccombe-Hett, F.Z.S., has devoted some time to the investigation of the tonsils and certain points in the musculature of the Mammalia, and Dr. L. W. Sambon, F.Z.S., has made a large collection of parasites, some of which have proved to be new forms and will be shortly described. The Prosector has dissected more than 100 species of animals which have died in the Gardens during the year belonging to all the orders of

vertebrated animals, and has also, through the kindness of friends and correspondents, been able to compare the structure of some of these with species not represented in the Society's collection. The results of these studies have been communicated to the Scientific Meetings of the Society in a series of papers dealing with Mammals, Reptiles and Batrachians. The amount of the work published during the year will bear favourable comparison with that accomplished in other zoological laboratories.

(2.) *Material supplied for purpose of Research or to Museums.*

Reference has been already made to material supplied to two gentlemen who have worked in the Prosectorium during the past year. In addition to the material supplied to them the Prosector has provided Dr. Arthur Keith, F.R.C.S., F.Z.S., with a series of hearts to assist his investigations into the structure of that organ. Material has also been supplied to the British Museum, to the Royal College of Surgeons, and to the Bristol Museum.

(3.) *Preservation of Material for future use.*

The amount of material which passes through the hands of the Prosector is frequently too great for immediate use for anatomical purposes. A certain number of specimens are therefore preserved for future use. During the past year the viscera of several animals and a series of ovaries and oviducts are among the more important specimens that have been thus reserved for study. A number of skins and skulls of Carnivora Lemurs and Apes have been also added to the reference collection of such preparations.

(4.) *Information given to various Persons upon Zoological matters.*

The Prosector has answered verbally or by letter numerous questions relating to Zoology, and has examined and reported upon various specimens submitted to him for identification. Several memoirs upon Oligochaeta published in the "Proceedings" are based upon such material.

Mr. H. G. Plimmer, the Society's Pathologist, reports as follows:—

I began work at the Gardens in November, 1907, so that only an outline of the work that has been done during the two remaining months of the year can be given. Examinations have been made of the largest possible number of animals, and especial attention has been given to diseases caused by parasites, and, therefore, theoretically preventable. During November and December 290 animals died and of these 210 have been examined. Of these 127 died of diseases due to parasites—either bacteria, protozoa, or worms. The blood of every animal has been examined, and worms have been very carefully looked for, with a view of determining their particular incidence and effects, and further, if possible, of determining eventually whether anything could be done to destroy these particular parasites, the effects of which, I think, have been underrated.

Notification has been given of animals dying of infectious diseases so that proper disinfection of their cages should be carried out, which has been done. In consequence of representations made to the Garden Committee of the insanitary condition of the structure of the Western Aviary, this has been reconstructed and put into a much better sanitary condition, and it is hoped that a lessened mortality amongst the birds in this Aviary will demonstrate the usefulness of the alterations.

Dr. Louis W. Sambon, F.Z.S., and Dr. Albert Wilson, F.Z.S., have been working in the Pathological Laboratory.

## THE GARDENS, REGENT'S PARK.

### EXTENSION OF GROUND.

In 1826, when the Gardens were first established, a grant of twenty acres, held on annual agreement, was made by the Crown Authorities. This land lay on both sides of the Outer Circle, corresponding roughly with the existing Middle and South Gardens, but only the portion to the south of the Circle was laid out. In 1829 the tunnel was constructed so as to make possible actual occupation of the land on the north of the Circle. In 1834 an additional plot of ten acres on the south-west border of the Gardens was

obtained at an annual rental on the condition that it was to be used only as pasturage. In 1839 use of land north of the Regent's Canal, corresponding to the existing North Garden, was granted. In 1841 the ground in the occupation of the Society was re-arranged; the strip on the north bank of the canal was surrendered, and a portion at the east end of the Middle Garden was exchanged for a corresponding area at the west end, and permission was given to extend the works over the ten acres granted in 1834. In 1869 the land on the north bank of the canal was again taken over by the Society at an annual rental. A considerable portion of the North Garden, however, was not made use of until after 1903, in which year the present policy of increasing the open-air facilities for the animals was put into active operation. As stated in the Report for 1906, complete use of the North Garden was not possible until in that year H.M. Commissioners of Works gave the Society a right of way over two small unoccupied portions of ground, and agreed to allow the New Bridge to be constructed so that it formed a second means of communication between the North and Middle Gardens. In 1907, H.M. Commissioners of Works, to whom and in particular to the First Commissioner, the Right Hon. L. V. Harcourt, P.C., M.P., F.Z.S., the Council desire to record the thanks of the Society, granted a still greater boon, namely, the use on an annual agreement of a strip of ground along the south-west boundary of the South Garden, and ending in a large triangular area, at the west end, the greater part of which had hitherto been occupied only as a service yard in connection with Regent's Park. The new ground has an area of over three acres, all with an excellent exposure. The Council agreed with the Office of Works that the animals to be placed along the greater length of the new area should be freely visible to the public in Regent's Park. The whole of the new ground has been fenced in, but can be made complete use of only as funds permit. The Council decided to undertake first the laying out of the portion which is to be freely visible from the Park. This work was begun towards the end of 1907, and it is expected that before the Annual Meeting in 1908 it will have been completed, and Cassowaries, Deer, Antelopes, Llamas, Sheep and Emus will be on the new ground.

### AUSTRALIAN AND NEW ZEALAND COLLECTION.

In the 'Report' for 1906 the Council expressed the hope that the great success of the Prince of Wales' Indian Collection might lead to the formation of similar collections from other parts of the Empire. It was decided to arrange for a special exhibition of animals from Australia and New Zealand on the Prince of Wales' ground in the North Garden in the summer of 1908. The negotiations for this object were so successful that the Council sent Mr. Seth-Smith, one of their members, to Australia in December 1907, to complete the arrangements and to return in charge of the collection, whilst early in 1908 two keepers in charge of a number of animals for purposes of exchange proceeded to Sydney, to return with the collection. The Governments of New South Wales and of New Zealand are forming collections for presentation to the Society, and the Zoological Gardens of Perth, West Australia, and Melbourne, and many private and public persons in Australia are taking an active interest in the enterprise. The Council have every reason to believe that the exhibition will be of unusual zoological interest. The animals are expected to arrive in this country towards the end of June.

### NEW WORKS AND REPAIRS.

#### NORTH GARDEN.

**NORTHERN PHEASANTRY.**—This old building was out of alignment with adjacent buildings. Leave was obtained to move it backwards, so as to widen the path on the south side, and the opportunity was taken to reconstruct the whole, to re-wire the runs, and to fill them up with clean rubble and fresh soil.

**CRANE PADDOCKS AND BUSTARD ENCLOSURE.**—Some of these paddocks were enlarged and shrubs planted to form wind screens. One of them was fitted up for the Spanish bustards presented by Mr. W. J. Buck, C.M.Z.S., and a suitable shelter was erected.

**WORKS DEPARTMENT.**—The old works' shed and Clerk of the Works' office, at the east end of the North Gardens were demolished and the site cleared.

#### MIDDLE GARDEN.

**WORKS DEPARTMENT.**—Accommodation to replace the old erections mentioned in the last paragraph has been provided in the yard behind the Giraffe House.

**ELEPHANTS' HOUSE.**—A new cement floor was laid in the store-room, and the muniment room in the loft was cleaned and repaired.

**HIPPOTAMUS HOUSE.**—Additional coils of hot-water piping were laid on to the tank, and a tortoise-stove was provided so as to raise the temperature for the young hippopotamuses.

**CANAL BANK AVIARY FOR PARROTS.**—The whole of the wirework was repainted.

**PUNJAB SHEEP YARDS.**—New railings were placed round these.

#### SOUTH GARDEN.

**REPTILE HOUSE.**—It was found necessary to re-roof this building.

**SMALL BIRDS' HOUSE.**—This was completed.

**ANTELOPE HOUSE.**—New ventilators were fitted.

**KITES' AVIARY.**—A new set of large open-air flights was erected.

**GOOSE AND DUCK PADDOCKS.**—These were re-fenced and re-arranged.

**DEER AND CATTLE HOUSE.**—The doors between the stables and the yards were fitted with ropes and pulleys, so that the keeper can open and close them from the passage.

**SMALL MAMMALS' HOUSE.**—Three long sky-lights were made in the roof to improve the lighting of the building.

**EASTERN AVIARY.**—Open windows were cut in the partition walls between the heated inner chambers and the outer unheated compartments, to improve the ventilation as had been done in the Western Aviary.

**FELLOWS' TEA PAVILION.**—This was cleaned and re-painted and a considerable extension of the Fellows' Garden was laid out behind the Pavilion Pond.

**LLAMA HOUSE.**—A new six-foot fence was made round the yards attached to this house, and a double railing was placed to protect these irritable animals from being teased by visitors.

GULLS' AVIARY.—This was re-painted.

OSTRICH PADDOCKS.—In two of these the old soil was dug out and replaced by brick rubble and burnt clay. The other yards are to be treated similarly so as to replace completely the contaminated soil.

REFRESHMENT ROOMS.—Extensive painting, cleaning and general repairs were carried out before Easter.

PROSECTORIUM AND PATHOLOGICAL LABORATORY.—These were cleaned, painted and repaired and considerable improvements made in the *post mortem* room.

TELEPHONE SHELTER.—In accordance with an arrangement made with the General Post Office, a shelter was provided for a public telephone call-box near the Bears' Dens.

TUNNEL WALL.—One side of the retaining brick-wall of the north approach to the Tunnel had to be taken down and rebuilt.

BHARAL SHEEP YARD.—The old rock-work was restored and improved by Messrs. Harpham so as to harmonize with the rock-wall of the adjacent Sea Lions' Pond.

NEW GROUND.—Considerable progress was made with fencing in and laying out the new ground on the south boundary of the Gardens.

FIRE PROTECTION.—Hand fire extinguishers were placed in all the houses where there was any possible danger from fire.

DESTRUCTION OF RATS.—In addition to regular trapping, two extensive applications of a rat-virus were made. Like similar applications made in 1906 with similar viruses prepared by other manufacturers, there was no visible success. It is probable that unless a simultaneous attack could be made in Regent's Park and along the canal, such methods would have little chance of success, as the abundant supply of food in our gardens is a constant attraction to rats from outside our boundaries.

GARDENING DEPARTMENT.—Under the capable superintendence of Mr. Young, the Society's Head Gardener, the high character of our floral display was well maintained, and a large amount of planting and of laying out was performed.

## NEW WORKS IN PROGRESS.

The laying out of the new ground from the Reptile House to the Gulls' Aviary, with the erection of fencing and shelters, and the formation of new walks, will be the most important new works of 1908, the greater part of which will be completed by the Annual General Meeting. The Wolves' Dens are being practically reconstructed, additional covered runs being provided. The remainder of the new ground will be fenced in and a boundary hedge planted, but it is probable that the state of the finances will not permit of any further important works in 1908.

## STAFF AT THE GARDENS.

The Superintendent.

The Prosector.

The Pathologist.

*Menagerie.*

1 Assistant Superintendent.	2 Stokers.
1 Head Keeper.	2 Night-Watchmen.
20 Keepers	3 Money Takers.
28 Helpers.	1 Office Clerk.
1 Stableman.	1 Office Boy.
1 Storekeeper.	1 Time-keeper.
1 Assistant Storekeeper.	1 Housekeeper.
2 Butchers.	

*Works.*

1 Clerk of the Works.	1 Engine-driver.
3 Carpenters.	1 Networker.
1 Bricklayer.	3 Painters (average).
1 Smith.	10 Labourers.
1 Wireworker.	1 Boy.



*Gardens.*

1 Head Gardener.		15 Garden Labourers
1 Propagator.		1 Boy.
1 Assistant Propagator.		

*Prosectorium.*

1 Assistant.		2 Boys.
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The permanent Works' Staff was reduced in course of the year and some of the work put out to contract.

The Council carefully considered the responsibilities of the Society under the new Workmen's Compensation Act, and after receiving proposals from various Insurance Societies, decided that, for the present, the Society should carry its own liability. A small sum is to be put every year to a special reserve account to form the nucleus of a fund to meet any unusual contingencies.

## VISITORS.

Notwithstanding the unfavourable weather experienced during the past Summer, the total number of Visitors to the Society's Gardens during the year 1907 amounted to no less than 863,953, showing a decrease of only 32,470 Visitors as compared with the year 1906. Upon reference to the table of Visitors on p. 35, it will be seen that the year 1907 ranks as the third best year, as regards the attendance of Visitors, since the foundation of the Society. This fact, together with the increase of Visitors on shilling days, as well as on the day reserved for Fellows, points to the increasing popularity of the Society's Gardens. The following table summarises the different classes of Visitors to the Society's Gardens during the last two years.

	1906.	1907.	Comparison
Fellows and Companions (Signatures)	34,357	36,396	Inc. 2,039
Do. Saturday orders ... ..	13,678	7,270	Dec. 6,408
Do. Sunday orders ... ..	49,273	40,657	Dec. 8,616
Do. Green tickets ... ..	104,340	117,805	Inc. 13,465
Do. Buff tickets (Children) ...	15,341	17,495	Inc. 2,154
Do. Ivory tickets ... ..	1,110	1,108	Dec. 2
Honorary Admission tickets ...	1,595	1,248	Dec. 347
Red tickets (Complimentary) ...	1,193	1,254	Inc. 61
Artists' tickets ... ..	352	308	Dec. 44
Excursion tickets (reduced price) ...	5,135	7,098	Inc. 1,963
Single tickets sold in office at ordinary price ... ..	471	632	Inc. 161
Paying visitors at 1s. each ... ..	233,212	236,695	Inc. 3,483
Do. do. Mondays and other days at 6d. each	349,557	300,058	Dec. 49,499
Do. do. Children at 6d. each	63,170	65,431	Inc. 2,261
Staff ... ..	113	90	Dec. 23
Children from rate-aided Schools ...	16,716	20,272	Inc. 3,556
Police ... ..	6,810	10,136	Inc. 3,326
	<u>896,423</u>	<u>863,953</u>	

The numbers of Visitors paying at the turnstiles amounted to 602,184, showing a decrease of 43,755 as compared with the year 1906.

The increase during the past year in the number of children from Council and Grant-aided Schools admitted under the cheap-order system introduced in the year 1905 indicated its better appreciation as compared with the former system of free orders.

Of the total number of visitors in 1907, no less than 139,072 were admitted on Sundays, showing an increase of 5,817 as compared with the year 1906.

#### NUMBER OF VISITORS ON BANK HOLIDAYS.

The total number of visitors admitted upon the three principal Bank Holidays in 1907 amounted to 97,880, a decrease of 8,844 as compared with the corresponding holidays of the previous year.

	1907.	1906.
Easter Monday...	36,110 (Fine)	43,061 (Fine)
Whit-Monday ...	37,960 (Unsettled)	35,969 (Fine)
First Monday in August	23,810 (Fair)	27,694 (Very 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, 1828-1907.*

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

† Year of the exhibition of H.M. King Edward's Indian Menagerie.  
 \*\* Year "Jumbo" left the Gardens.  
 § Year of the exhibition of the Prince of Wales' Indian Collection.

\* Year of the Great Exhibition.  
 † Year of the International Exhibition.

## FELLOWS' TICKETS.

Fellows continue to show a decided preference for the green undated cards of admission to the Gardens. This will be seen from the following statement showing the number of books and cards issued in December for 1908 :—

Saturday Order Books	...	...	245
Sunday Order Books	...	...	1,326
Green Cards (Adults)	...	...	182,702
Buff Cards (Children)	...	...	17,316

In connection with the use of the above tickets it will be noticed by the table on p. 34 that, whereas the decrease of visitors during the year 1907 under the head of Sunday Orders had been 8,616, the green cards used during the same period had amounted to 117,805, or an increase of 13,465 over the previous year.

The number of visitors admitted by Saturday Orders continued to decrease, those admitted in this way during 1907 being 6,408 less than in the year 1906.

## 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.
50 to 100 @ 9 <i>d.</i> each.	50 to 100 @ 5 <i>d.</i> each.
101 to 250 @ 8 <i>d.</i> each.	101 to 250 @ 4 <i>d.</i> each.
251 to 500 @ 7 <i>d.</i> each.	251 and upwards @ 3 <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 50 Tickets for a Mixed Party of Adults with not less than 20 Children (under 12 years of age) may now be obtained for any fixed date (except Sunday) at the Society's Office, 3, Hanover Square, W., for the sum of thirty-three shillings per packet.

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 Office, 3, Hanover Square, W., at the reduced price of eleven shillings per packet.

CHEAP ORDERS for the admission of any number from 50 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 50 Children and 2 Teachers is 5s., and additional numbers may be obtained at the same rate, viz., Children 1d. each, Teachers 5d. each.

All applications for Tickets must be made to the Secretary of the Society, at 3, Hanover Square, London, W. **Payment for admission at the reduced prices cannot be accepted at the turnstiles.**

Admission to the Gardens on Sundays can be obtained only by an Order from a Fellow.

#### MENAGERIE.

##### *Provisions.*

The commissariat at the Gardens is of considerable interest. The following table gives the chief items of expenditure paid in 1906 and 1907 :—

	1906.			1907.		
	£	s.	d.	£	s.	d.
Hay ... ..	457	12	1	656	0	8
Clover ... ..	449	4	0	554	0	5
Green-food (Tares, &c.) ...	145	13	6	66	7	0
Oats ... ..	206	2	6	233	7	1
Bran ... ..	71	11	0	74	14	3
Maize ... ..	62	10	9	70	8	3
Corn and Seeds ... ..	309	19	6	282	9	0
Fish (Sea) ... ..	361	4	11	357	9	5
„ (Freshwater) ... ..	134	9	3	123	11	10
Horses ... ..	267	10	0	221	1	4
Goats ... ..	150	18	7	106	3	6
Beef ... ..	20	4	0	90	15	0
Fowl Heads ... ..	71	1	6	71	8	3
Milk ... ..	126	2	6	166	10	6
Fruit ... ..	312	18	0	398	8	8
Vegetables ... ..	138	18	7	177	18	6
Bread ... ..	63	5	3	72	6	5
Biscuit ... ..	156	6	6	153	16	8
Eggs ... ..	92	16	5	98	4	9
Food for Insectivorous Birds, &c.	145	2	4	146	2	9
Miscellaneous ... ..	112	18	0	129	1	7
	<u>£3856</u>	<u>9</u>	<u>2</u>	<u>£4250</u>	<u>5</u>	<u>10</u>

Return giving the Quantity of Food-stuff consumed during 1907 :—

Classification.	Description.	Quantity or Number.
Fodder	Hay ...	164 Loads.
"	Clover ...	115 Loads.
"	Straw... ..	170 Loads.
"	Tares ...	7,962 Bundles.
Grain	Oats ...	183 Quarters.
"	Bran ...	119 Quarters.
"	Wheat ...	276 Bushels.
"	Barley ...	148 Bushels.
"	Maize... ..	364½ Bushels.
"	Dari ...	70 Bushels.
"	Beans... ..	44 Bushels.
"	Buckwheat ...	40 Bushels.
"	Rice ...	2 Tons, 6 cwt.
Seed	Canary ...	138 Bushels.
"	Hemp ...	73 Bushels.
"	Millet ...	73½ Bushels.
"	Millet Spray... ..	26 Bunches.
"	Maw ...	14 lbs.
Fish	Flounders ...	4,015 lbs.
"	Plaice... ..	12,206 lbs.
"	Fresh Herrings	9,178 lbs.
"	Whiting ...	35,330 lbs.
"	Shrimps ...	2,555 pints.
"	Sprats ...	266 lbs.
Flesh	Horses ...	208, weighing 114 ton 8 cwt.
"	Goats ...	194, weighing 869½ stone.
"	Beef ...	5,539 lbs.
Milk	Condensed ...	4,236 Tins.
"	New ...	12,695 Pints.
Nuts	Spanish ...	18 Pecks.
"	Monkey ...	40 cwt.
"	Brazil... ..	106 lbs.
Fruit	Bananas ...	5,758½ dozen.
"	Apples ...	1,024 Pecks.
"	Apples ...	55 Cases.
"	Apples ...	728 lbs. in Hampers.
"	Grapes ...	2,921 lbs.
"	Oranges ...	8,622.

Classification.	Description.	Quantity or Number.
Fruit	Lemons	420.
"	Green Figs	192.
"	Dates...	1,914 lbs.
"	Currants	168 lbs.
"	Figs ...	240 lbs.
"	Raisins	106 lbs.
"	Sultanas	108 lbs.
Vegetables...	Lettuce	15,624.
"	Greens	551½ bushels.
"	Cress ...	2,033 bunches.
"	Carrots	11,446 lbs.
"	Carrots	1,651 bunches.
"	Potatoes	14,934 lbs.
"	Onions	50 bunches.
"	Wurtzel	194 cwt.
"	Turnips	253.
"	Cucumbers	20.
Miscellaneous	Biscuits	296 cwt.
"	Bread...	648 quarterns.
"	Eggs ...	26,025.
"	Oil Cake	1 ton 8 cwt.
"	Meat Extract...	83 2-oz. jars.
"	Fowls' Heads...	33,804.
"	Sugar...	528 lbs.

There is an increase in some of the quantities as compared with those in 1906. The increase in quantity of straw and dry fodder is due to the addition of 27 animals (asses, sheep and deer), at the North Bank (a new station); also to a number of additional animals at the new Cattle Sheds, to Hippopotamuses at the Giraffe House, and young Rhinoceroses at the Elephant House. The increase in the supply of fruit is due to additional animals at the Squirrels' House, and to the increase in the number of birds at the Western Aviary and New Bird House.

There is an increase in the supply of lettuce caused by extra animals at the Squirrels' House, and for the better feeding of birds at the Pheasantry and Duck Ponds.

The beef supplied was in lieu of horse-flesh, healthy horses at the time being unobtainable. The increase in the supplies in every case has been officially made with the knowledge and sanction of the Superintendent.

## GENERAL CONDITION OF THE ANIMALS.

Although the year was not favourable from the point of view of weather, the general health of the collection was good. The new heating and ventilating system in the Monkey House has proved successful, and the fine condition of the Birds of Paradise and other tropical birds in the Small Birds' House forecasts a useful future for that House. The birth of a young giraffe, the first for many years, was a most welcome event, and the calf, a female, is doing extremely well. The grey squirrels and crested doves, at liberty in the Gardens, appear to be establishing themselves there and in Regent's Park. It was considered wise to abandon the experiment of setting kites at liberty, lest they should alarm the doves and prevent them settling in the Gardens. The Open Air Aviary for Parrots continues to be successful, and last year a pair of Cockatoos bred in it. The breeding of the Avocets and Redshanks, in the Wading Birds' Aviary was another interesting event.

*List of Mammals, bred in the Gardens in 1907.*

- 3 Dingos (*Canis dingo*).
- 7 Timber Wolves (*Canis occidentalis*).
- 2 Grey Squirrels (*Sciurus cinereus*).
- 2 Chipping Squirrels (*Tamias striatus*).
- 5 Egyptian Gerbilles (*Gerbillus ægyptius*).
- 2 Crested Porcupines (*Hystrix cristata*).
- 1 African Brush-tailed Porcupine (*Atherura africana*).
- 1 English Wild Bull (*Bos taurus*) (var.)
- 1 Corean Cow (*Bos taurus*) (var.)
- 1 Gayal (*Bibos frontalis*).
- 1 Indian Antelope (*Antilope cervicapra*).
- 1 Eland (*Taurotragus oryx*).
- 1 Congo Marsh Buck (*Limnotragus gratus*).
- 3 Thars (*Hemitragus jemlaicus*).
- 4 Mouflon (*Ovis musimon*).
- 1 Punjaub Wild Sheep (*Ovis vignei*).
- 1 Barbary Wild Sheep (*Ovis lervia*).
- 1 Kordofan Giraffe (*Giraffa camelopardalis antiquorum*).
- 1 Wapiti Deer (*Cervus canadensis*).
- 1 Altai Deer (*Cervus canadensis asiaticus*).



- 3 Japanese Deer (*Cervus sika*).
- 1 Hybrid Japanese Deer (*Cervus sika* × *C. taëvanus*).
- 1 Bactrian Camel (*Camelus bactrianus*).
- 1 Collared Peccary (*Dicotyles tajaçu*).
- 1 Black-striped Wallaby (*Macropus dorsalis*).
- 1 Rufous Rat Kangaroo (*Æpyprymnus rufescens*).
- 1 Sooty Phalanger (*Trichosurus fuliginosus*).

*List of Birds hatched in the Gardens in 1907.*

- 1 Leadbeater's Cockatoo (*Cacatua leadbeateri*).
- 1 Bare-eyed Cockatoo (*Cacatua gymnopsis*).
- 3 Black Swans (*Cygnus atratus*).
- 12 Muscovy Ducks (*Cairina moschata*).
- 8 Spotted-billed Ducks (*Anas pæcilorhyncha*).
- 2 Rosy-billed Ducks (*Metopiana peposaca*).
- 6 Turtle Doves (*Turtur communis*).
- 1 Hybrid Green-winged Dove (*Chalcophaps chrysochlora*  
× *Chalcophaps indica*).
- 2 Brush Bronze-winged Pigeons (*Phaps elegans*).
- 2 Wonga-Wonga Pigeons (*Leucosarcia picata*).
- 8 Prince of Wales's Pheasants (*Phasianus principalis*).
- 6 Glittering Pheasants (*Phasianus scæmmerringiscintillars*).
- 12 Reeves's Pheasants (*Phasianus reevesi*).
- 14 Amherst's Pheasants (*Thaumalea amherstiae*).
- 2 Swinhoe's Pheasants (*Euplocamus swinhoii*).
- 6 Bankiva Jungle Fowls (*Gallus bankiva*).
- 3 Avocets (*Avocetta recurvirostra*).
- 3 Redshanks (*Totanus calidris*).
- 5 Jameson's Gulls (*Larus novæ-hollandiæ*).
- 2 Greater Black-backed Gulls (*Larus marinus*).
- 5 Herring Gulls (*Larus argentatus*).
- 2 Black-footed Penguins (*Spheniscus demersus*).
- 1 Tataupa Tinamou (*Crypturus tataupa*).

*List of Reptiles bred in the Gardens in 1907.*

- 1 Copperhead Viper (*Ancistrodon contortrix*).
- 3 Crossed Vipers (*Lachesis alternata*).
- 31 Rat-tailed Vipers (*Lachesis lanceolatus*).

*Additions to the Menagerie in 1907.*

The number of Vertebrate Animals living in the Society's Menagerie at the close of 1907 was 3,190. The corresponding number on the 31st of December, 1906, was 3,086, as will be seen by the following Table:—

	December 31.	
	1907.	1906.
Mammals .....	864	873
Birds .....	1,677	1,621
Reptiles and Amphibia.....	535	478
Fish.....	114	114
	3,190	3,086

The total number of registered additions to the Menagerie in 1907 was 2,282, of which 929 were acquired by presentation, 202 by purchase, 187 were bred in the Gardens, 737 were received on deposit, and 227 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.
1897	688	278	104	330	108	1508
1898	598	327	103	435	32	1495
1899	531	354	82	433	6	1406
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

In the following list of the more notable additions to the Menagerie in 1907, special attention may be directed to the fine collection of 139 birds principally from North America received on July 10th. from the collection of the Zoological Society of New York, in accordance with an exchange arranged by the Secretary during his visit to America in April, and to a very interesting collection of

birds from Venezuela, presented by Messrs. Albert and Hugo Pam. In the latter collection, Mr. Albert Pam made another attempt to bring over live Humming birds, but, although eighteen arrived alive, only one or two lived more than a few days. The weather happened to be very unfavourable, but the repeated failure of the efforts does not justify a further repetition of the experiment.

An Agile Gibbon (*Hylobates agilis*) from Borneo, purchased on Jan. 17th.

A Wild Cat (*Felis sylvestris*) from Inverness-shire, presented by G. W. Henderson, Esq., F.Z.S., on Jan. 26th.

Two Superb Tanagers (*Calliste fastuosa*), one Crowned Tanager (*Tachyphonus coronatus*), and two Scarlet Tanagers (*Rhamphocaelus brasilius*) from Brazil, purchased on Jan. 21st.

A Long-tailed Goral (*Næmorhedus raddeanus*) from Korea, new to the Collection, presented by C. F. S. Bilbrough, Esq., F.R.G.S., on Feb. 5th.

A Harpy Eagle (*Harpyhaliactus coronatus*) from South America, purchased on Feb. 8th.

A pair of young Hippopotamuses (*Hippopotamus amphibius*) from German East Africa, purchased on March 2nd.

An Eland (*Taurotragus oryx*) born in the Menagerie on March 1st.

A Banksian Cockatoo (*Calyptorhynchus banksi*) from New South Wales, deposited on March 15th.

A Hoolock Gibbon (*Hylobates hoolock*) from Rangoon, presented by A. H. E. Wood, Esq., F.Z.S., on April 29th.

A Golden Cat (*Felis temmincki*) from Padang, Sumatra, purchased on April 3rd.

A Collection of Mammalia from Ceylon and Singapore, including a White-whiskered Palm-Civet (*Paradoxurus leucomytax*) and a Malayan Tapir (*Tapirus indicus*) presented by W. E. Balston, Esq., F.Z.S., on April 15th.

Two pairs of Mithan or Gayals (*Bibos frontalis*) from Sikkim, one pair presented by Mr. J. C. White, C.I.E., C.M.Z.S., and one pair deposited by H.G. The Duke of Bedford, K.G., P.Z.S., on April 18th.

A pair of Chamois (*Rupicapra tragus*) from the Austrian Tyrol, received in exchange on April 22nd.

A pair of Owen's Kangaroos (*Macropus magnus*), new to the Collection, from Australia, deposited on April 29th.

Two Little Sparrow-Hawks (*Accipiter minullus*), a One-streaked Hawk (*Melierax monogrammicus*), a Grey Eagle-Owl (*Bubo cinerascens*), and a Fraser's Eagle-Owl (*Bubo poensis*) from Lagos, presented by Dr. W. F. Macfarlane, F.Z.S.

An Elegant Mongoose (*Galidia elegans*) and a Broad-banded Mongoose (*Galidictis striata*), the latter new to the Collection, from Ambinanindrano, East Madagascar, presented by the Venerable Archdeacon G. K. Kestell-Cornish on May 28th.

Two Capybaras (*Hydrochærus hydrochæris*) and a Brazilian Tapir (*Tapirus americanus*) from Venezuela, presented by H. G. O. Bax-Ironside, Esq., F.Z.S., on May 30th.

A pair of Indian Onagers (*Equus onager indicus*) from Bokhara and N. Khorassan, presented by Captain Terence H. Keyes, F.Z.S., on May 7th.

A Black-gloved Wallaby (*Macropus irma*), two Cervine Kangaroos (*M. cervinus*), two Owen's Kangaroos (*M. magnus*), and two Woodward's Kangaroos (*M. woodwardi*), the last species new to the Collection, from Australia, deposited on May 3rd.

A Collection of Birds from Venezuela, including 13 Felicia's Humming-birds (*Amazilia feliciæ*), a Blue-chinned Humming-bird (*Eucephala cærulea*), two Ruby-crested Humming-birds (*Chrysolampis moschitus*), three Prevost's Humming-birds (*Lampornis prevosti*), a Shining Tanager (*Calliste vitreolina*), and an Orange-browed Tanager (*Euphonia elegantissima*), new to the Collection, presented by Messrs. Albert and Hugo Pam, on May 27th.

An Owl-Parrot (*Stringops habroptilus*) from New Zealand, deposited on May 28th.

Three Great Bustards (*Otis tarda*) ♂ ♂ ♀ from Spain, presented by W. J. Buck, Esq., C.M.Z.S., on May 23rd.

A male Musk Deer (*Moschus moschiferus*) from Chamba, presented by Major G. S. Rodon, F.Z.S., on June 16th.

A male Red Bird of Paradise (*Paradisea rubra*) from Waigiou, a male Twelve-wired Bird of Paradise (*Seleucides nigricans*) from Salawatti, and two pairs of King Birds of Paradise (*Ciccinnurus regius*) from Aru Island, purchased on June 8th.

An Abyssinian Fruit-Pigeon (*Vinago waalia*), two Buff-breasted Partridges (*Ptilopachys fuscus*), a Black-billed Hornbill (*Lophoceros nasutus*) and two Black-backed Plovers (*Pluvianus ægyptius*) from Nigeria, presented by Miss E. L. Jardine on June 15th.

A South-African Fennec (*Vulpes chama*) from South Africa, purchased on July 3rd.

A Three-striped Phalanger (*Dactylopsila trivirgata*) from Salawatti, New Guinea, presented by Walter Goodfellow, Esq., F.Z.S., on July 26th.

A Collection of 139 Birds, principally from North America, including two White-headed Sea-Eagles (*Haliaëtus leucocephalus*), two Turkey Vultures (*Cathartes aura*), four sulphur-breasted Toucans (*Rhamphastos carinatus*), as well as a large number of Thrushes, Finches, and other Passerine birds representing many species new to the Collection: received in exchange on July 10th.

A Simpai Langur (*Semnopithecus melalophus*), being the second example of this rare Monkey exhibited in the Gardens, deposited August 17th.

A Lort Phillips's Dik-Dik (*Madoqua phillipsi*), new to the Collection, from Somaliland, presented by Capt. M. J. Quirke, I.M.S., August 27th.

A female Mountain Zebra (*Equus zebra*), presented by A. W. Guthrie, Esq., F.Z.S., August 14th. The Society has now a pair of these Zebras.

A young Lammergeier (*Gypaëtus barbatus*), presented by Frederick Burgoyne, Esq., F.Z.S., August 28th.

One female Giraffe (*Giraffa camelopardalis antiquorum*), born in the Menagerie on Sept. 20th.

One male Gayal (*Bibos frontalis*), born in the Menagerie on Sept. 6th.

Three Harnessed Antelopes (*Tragelaphus scriptus*), one Nagor Antelope (*Cervicapra redunca*), and two Side-striped Jackals (*Canis lateralis*), from Gambia, presented by Capt. Sir George Denton, K.C.M.G., F.Z.S., on Sept. 28th.

One Cayenne Kite-Falcon (*Leptodon cayennensis*), deposited on Sept. 30th.

Two Chinchillas (*Chinchilla lanigera*), presented by the Countess De Grey on Oct. 4th.

Five Viscachas (*Lagostomus trichodactylus*), three presented by the Countess De Grey on Oct. 4th, and two deposited on Oct. 26th.

One Spotted Cuscus (*Phalanger maculatus*), new to the Collection, purchased on Oct. 4th.

One Naked-throated Bell-bird (*Chasmorhynchus nudicollis*), deposited on Oct. 16th.

One Ground Hornbill (*Bucorvus abyssinicus*), deposited on Oct. 3rd.

Two Arizona Heloderms (*Heloderma suspectum*), deposited on Oct. 10th.

A male Hamlyn's Guenon (*Cercopithecus hamlyni*), from the Ituri Forest, new to the Collection, deposited on Nov. 5th.

Two Grisons (*Grison furax*), from the Argentine, presented by M. C. Livingstone Learmouth, Esq., on Nov. 21st.

A Collection of Rodents, including 1 Darling's Rat (*Mus chrysophilus*), 6 Vley Rats (*Otomys irroratus*), 3 Peters' Water Rats (*Dasymys incomtus*), new to the Collection, from South Africa, deposited on Nov. 14th.

A male Yak (*Poëphagus grunniens*), from Tibet, received in exchange on Nov. 30th.

Two Mountain Ka-Kas (*Nestor notabilis*), and 3 Kiwis (*Apteryx australis*), from New Zealand, deposited on Nov. 23rd.

One Spotted Eagle (*Aquila clanga*), captured in the North Sea, presented by Capt. R. A. Allenby, R.N., on Nov. 5th.

One Hainan Gibbon (*Hylobates hainanus*), ♂, from Hainan, presented by Robert Douglas, Esq., F.R.G.S., on December 6th.

One Grévy's Zebra (*Equus grevyi*), ♂, from Abyssinia, received in exchange on December 9th.

One Æthiopian Aard Vark (*Orycteropus æthiopicus*), from Naivasha, British East Africa, presented by the Marquess Gandolfi Hornyold, on December 17th.

One Macqueen's Bustard (*Houbara macqueeni*), caught in the Red Sea, presented by Mr. Joseph Vyskocel, on December 9th.

Two Royal Pythons (*Python regius*) and one Nose-horned Puff Adder (*Bitis nasicornis*), from Southern Nigeria, presented by R. B. Brooks, Esq., on December 20th.

*List of the Species new to the Collection exhibited during the year 1907.*

The following list gives the names of the specimens exhibited in 1907 which are referable to species not included in the last (ninth) edition (1896) of the List of Animals, or in subsequent Annual Reports. It contains 20 Mammals, 42 Birds, 2 Reptiles, and 1 Batrachian.

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

I.—MAMMALS.

- 34 a. *Cercopithecus nigro-viridis* Pocock. Dark Green Guenon.  
*Hab.* Congo.  
 a. Deposited, Sept. 6, 1907.
- 42 a. *Cercopithecus hamlyni* Pocock. Hamlyn's Guenon.  
*Hab.* Ituri Forest.  
 a. Deposited, Nov. 5, 1907. See P.Z.S. 1907.

222 b. *Galidictis striata* Geoffr. Broad-banded Mon-  
goose.

*Hab.* Madagascar.

a. Presented by the Ven. Archdeacon Kestell-Cornish,  
May 28, 1907. From Ambinanindrano, East  
Madagascar. See P.Z.S. 1907, *ii.*, p. 515.

236 a. *Crossarchus somalicus* Thomas. Banded Mon-  
goose.

*Hab.* Somaliland.

a. Presented by Maj.-Gen. C. E. Luard, March 16,  
1907.

432 a. *Tatera afra* Gray. Cape Gerbille.

*Hab.* South Africa.

a-c. Deposited, Nov. 14, 1907.

#### GENUS OTOMYS.

433 a. *Otomys irroratus* Brants. Vley Rat

*Hab.* South Africa.

a-f. Deposited, Nov. 14, 1907. See P.Z.S. 1907.

#### GENUS STEATOMYS.

433 b. *Steatomys pratensis* Peters. Fat Mouse.

*Hab.* South Africa.

a-e. Deposited, Nov. 14, 1907.

444 a. *Mus chrysophilus* de Winton. Darling's Rat.

*Hab.* South Africa.

a. Deposited, Nov. 14, 1907. See P.Z.S. 1907.

444 *b.* *Mus auricomis* de Winton. Golden Rat.

*Hab.* South Africa.

*a, b.* Deposited, Nov. 14, 1907.

444 *c.* *Mus coucha* A. Smith. White-nosed Rat.

*Hab.* South Africa.

*a-f.* Deposited, Nov. 14, 1907.

#### GENUS DASYMYS.

453 *a.* *Dasymys incomtus* Sundevall. Peter's Water Rat.

*Hab.* South Africa.

*a-c.* Deposited, Nov. 14, 1907. See P.Z.S. 1907.

503 *a.* *Cavia aperea* Erxleben. Pig-like Cavy.

*Hab.* South America.

*a, b.* Deposited, Oct. 1, 1907.

#### GENUS MADOQUA.

566 *a.* *Madoqua phillipsi* Thomas. Lord Phillips's Dik-Dik.

*Hab.* Somaliland.

*a.* Presented by Capt. M. J. Quirke, I.M.S., Aug. 27, 1907. See P.Z.S. 1907, *ii.*, p. 748.

605 *c.* *Næmorhedus raddeanus* Heude. Long-tailed Goral.

*Hab.* Korea.

*a.* Presented by C. F. S. Bilbrough, Esq., F.R.G.S., Feb. 5, 1907. See P.Z.S. 1907, *i.*, p. 281.

719 *b.* *Macropus robustus cervinus* Thomas. Cervine Kangaroo.

*Hab.* N.W. Australia.

*a.* Male. *b.* Female. Deposited, May 3, 1907.



719 *c.* *Macropus robustus woodwardi* Thomas. Woodward's Kangaroo.

*Hab.* N.W. Australia.

*a, b.* Deposited, May 3, 1907. See P.Z.S. 1907, *ii.*, p. 515.

719 *d.* *Macropus magnus* Owen. Owen's Kangaroo.

*Hab.* Australia.

*a.* Male. *b.* Female. Deposited, April 29, 1907.

*c.* Male. *d.* Female. Deposited, May 3, 1907. See P.Z.S. 1907, *ii.*, p. 515.

725 *a.* *Macropus irma* Jourdan. Gloved Wallaby.

*Hab.* Australia.

*a.* Deposited, May 3, 1907.

#### GENUS DACTYLOPSILA.

749 *a.* *Dactylopsila trivirgata* Gray. Three-striped Phalanger.

*Hab.* Salawatti, New Guinea.

*a.* Presented by Walter Goodfellow, Esq., F.Z.S., July 26, 1907.

750 *a.* *Phalanger maculatus* E. Geoffr. Spotted Cuscus.

*Hab.* Aru Islands.

*a.* Purchased, Oct. 4, 1907. See P.Z.S., 1907, *ii.*, p. 750.

#### II.—BIRDS.

5 *a.* *Turdus fuscescens* Stephens. Wilson's Thrush.

*Hab.* North America.

*a.* Received in exchange, July 10, 1907.

## GENUS MIMOCICHLA.

- 16 *a. Mimocichla rubripes* Temm. Cuban Mocking  
Thrush.  
*Hab.* Cuba.  
*a, b.* Received in exchange, July 10, 1907.

## GENUS MELANOTIS.

- 43 *a. Melanotis caerulescens* Swains. Blue Mocking  
Thrush.  
*Hab.* North America.  
*a, b.* Received in exchange, July 10, 1907.
- 58 *a. Parus atricapillus* Linn. Black-capped Tit-  
mouse.  
*Hab.* North America.  
*a-d.* Received in exchange, July 10, 1907.

- 79 *a. Pycnonotus aurigaster* Vieill. Golden-vented  
Bulbul.  
*Hab.* Java.  
*a.* Presented by Mrs. Johnstone, March 14, 1907.

- 79 *b. Pycnonotus goiavier* Scop. Orange-vented  
Bulbul.  
*Hab.* Philippine Islands.  
*a.* Presented by Mrs. Johnstone, March 14, 1907.

## GENUS VIREO.

- 108 *a. Vireo olivaceus* Linn. Red-eyed Vireo.  
*Hab.* North America.  
*a, b.* Received in exchange, July 10, 1907.

## GENUS SEIURUS.

- 108 *b. Seiurus noveboracensis* Gm. Water Thrush.  
*Hab.* North America.  
*a.* Received in exchange, July 10, 1907.
- 111 *a. Lanius collaris* Linn. Fiskal Shrike.  
*Hab.* South Africa.  
*a.* Female. Presented by Capt. B. R. Horsbrugh,  
 F.Z.S., Nov. 16, 1907.
- 116 *a. Muscicapa phæbe.* Phœbe Flycatcher.  
*Hab.* North America.  
*a, b.* Received in exchange, July 10, 1907.

## GENUS DENDRÆCA.

- 129 *a. Dendræca æstiva* Gm. Yellow Warbler.  
*Hab.* North America.  
*a-c.* Received in exchange, July 10, 1907.
- 129 *b. Dendræca discolor* Vieill. North-American Oven-  
 bird.  
*Hab.* North America.  
*a, b.* Received in exchange, July 10, 1907.

## GENUS SETOPHAGA.

- 129 *c. Setophaga ruticilla* Linn. American Redstart.  
*Hab.* North America.  
*a.* Received in exchange, July 10, 1907.
- 130 *a. Euphonia elegantissima* Bp. Orange-browed  
 Tanager.  
*Hab.* Venezuela.  
*a.* Presented by Messrs. A. & H. Pam, May 27, 1907.  
 See P.Z.S. 1907, *ii.*, p. 515.

- 143 *a. Calliste vitriolina* Cab. Shining Tanager.  
*Hab.* Venezuela.  
*a.* Presented by Messrs. A. & H. Pam, May 27,  
 1907. See P.Z.S., 1907, ii., p. 515.
- 155 *a. Pyrranga erythromelas* Licht. Black and Red  
 Tanager.  
*Hab.* North America.  
*a-c.* Received in exchange, July 10, 1907.
- 312 *a. Chrysomitris pinus* Wils. Pine Siskin.  
*Hab.* North America.  
*a-d.* Received in exchange, July 10, 1907.
- 333 *a. Carpodacus purpureus* Gm. Purple Finch.  
*Hab.* North America.  
*a, b.* Received in exchange, July 10, 1907.
- 362 *a. Zonotrichia melodia* Wils. Song Sparrow.  
*Hab.* North America.  
*a-d.* Received in exchange, July 10, 1907.
- 365 *a. Spizella monticola* Gm. American Tree  
 Sparrow.  
*Hab.* North America.  
*a, b.* Received in exchange, July 10, 1907.
- 365 *b. Spizella pusilla* Wils. Field Sparrow.  
*Hab.* North America.  
*a.* Received in exchange, July 10, 1907.
- 392 *a. Sturnella magna* Linn. Meadow Lark.  
*Hab.* North America.  
*a, b.* Received in exchange, July 10, 1907.

## GENUS MINO.

421 *a. Mino dumonti* Less. Dumont's Grackle.

*Hab.* Aru Islands.

*a, b.* Deposited, Aug. 12, 1907.

499 *a. Pyrrhulauda smithi* Bp. Finch Lark.

*Hab.* India.

*a.* Presented by D. Seth-Smith, Esq., F.Z.S., Dec. 6, 1907.

## GENUS LAMPORNIS.

517 *d. Lampornis prevosti* Less. Prevost's Humming-Bird.

*Hab.* Venezuela.

*a, b.* Males. *c.* Female. Presented by Messrs. A. & H. Pam, May 27, 1907. See P.Z.S. 1907. *ii.*, p. 515.

## GENUS CHRYSOLAMPIS.

517 *e. Chrysolampis moschitus* Linn. Ruby-crested Humming-Bird.

*Hab.* Venezuela.

*a.* Male. *b.* Female. Presented by Messrs. A. & H. Pam, May 27, 1907. See P.Z.S. 1907, *ii.*, p. 515.

## GENUS AMAZILIA.

517 *f. Amazilia feliciae* Less. Felicia's Humming-Bird.

*Hab.* Venezuela.

*a-m.* Presented by Messrs. A. & H. Pam, May 27 1907. See P.Z.S. 1907, *ii.*, p. 515.

## GENUS EUCEPHALA.

517 *g. Eucephala cærulea* Vieill. Blue-chinned Humming Bird.

*Hab.* Venezuela.

*a.* Male. Presented by Messrs. A. & H. Pam, May 27, 1907. See P.Z.S. 1907, *ii.*, p. 515

551 *a. Bycanistes cylindricus* Temm. Cylindrical Hornbill.

*Hab.* Ashantee.

*a.* Presented by Miss Rose, June 7, 1907.

## GENUS LOPHOCEROS.

555 *a. Lophoceros nasutus* Linn. Black-billed Hornbill.

*Hab.* Nigeria.

*a.* Presented by Miss E. L. Jardine, June 15, 1907.

939 *a. Accipiter minullus* Daud. Little Sparrow-Hawk.

*Hab.* Lagos.

*a, b.* Presented by Dr. W. F. Macfarlane, F.Z.S., April 6, 1907.

## GENUS LEPTODON.

985 *a. Leptodon cayennensis* Gm. Cayenne Kite-Falcon.

*Hab.* Guiana.

*a.* Deposited, September 30, 1907.

1038 *a. Ardea wardi* Ridgw. Ward's Heron.

*Hab.* North America.

*a.* Received in exchange, July 10, 1907.

## GENUS PHILACTE.

1126 *a. Philacte canagica* Sevastianoff. Emperor Goose.

*Hab.* Aleutian Islands.

*a, b.* Purchased, Dec. 24, 1907.

*c-f.* Deposited, Dec. 24, 1907.

- 1170 *a. Mareca americana* Gm. American Wigeon.  
*Hab.* North America.  
*a.* Male. *b.* Female. Presented by W. H. St. Quintin, Esq., F.Z.S., Oct. 26, 1907. Bred in England.  
*c.* Male. Presented by W. H. St. Quintin, Esq., F.Z.S., Dec. 11, 1907.
- 1207 *a. Vinago waalia* Gm. Abyssinian Fruit Pigeon.  
*Hab.* Nigeria.  
*a.* Presented by Miss E. L. Jardine, June 15, 1907.

## GENUS LOPHOPHAPS.

- 1295 *a. Lophophaps leucogaster* Gould. White-bellied Plumed Dove.  
*Hab.* North Australia.  
*a-d.* Purchased, April 6, 1907.  
*e-j.* Deposited, April 6, 1907.
- 1298 *a. Leptoptila verreauxi* Bp. Verreaux's Dove.  
*Hab.* South America.  
*a-k.* Presented by Sir William Ingram, Bart., Nov. 21, 1907.
- 1298 *b. Leptoptila chalcachenia* Scl. et Salv. Bronze-necked Dove.  
*Hab.* South America.  
*a-c.* Presented by Sir William Ingram, Bart., Nov. 14, 1907.

## GENUS PTILOPACHYS.

- 1350 *a. Ptilopachys fuscus* Vieill. Buff-breasted Partridge.  
*Hab.* Nigeria.  
*a, b.* Presented by Miss E. L. Jardine, June 15, 1907.

## GENUS CYRTONYX.

- 1368 *a. Cyrtonyx montezumæ* Vigors. Montezuma Quail.  
*Hab.* North America.  
*a, b.* Received in exchange, July 10, 1907.

## GENUS PLUVIANUS.

- 1569 *a. Pluvianus aegyptius* Linn. Black-backed Plover.  
*Hab.* Upper Egypt.  
*a, b.* Presented by Miss E. L. Jardine, June 15, 1907.  
 From Nigeria.

## III.—REPTILES.

- 225 *a. Mabouia gravenhorti* Dum. et Bibr. Gravenhort's  
 Skink.  
*Hab.* Madagascar.  
*a, b.* Deposited, Oct. 22, 1907.
- 306 *a. Phrynonax pæcilonotus* Günth. Variegated Snake.  
*Hab.* Colombia.  
*a, b.* Deposited, Sept. 23, 1907.

## IV.—BATRACHIANS.

## GENUS HEMISUS.

- 18 *a. Hemisus guttatus* Rapp. Spotted Toad.  
*Hab.* South Africa.  
*a.* Presented by H. W. Bell-Marley, Esq., Sept. 19,  
 1907.

*List of Donors and their Donations for the  
 year 1907.*

- H.R.H. Princess FREDERICA of Hanover and Baron von  
 PAWEL-RAMMINGEN, K.C.B., K.C.V.O. 2 Common  
 Genets.  
 His Grace The Duke of BEDFORD, K.G. (President).  
 1 Indian Muntjac ♂, 50 Grey Squirrels.

- 
- ABRAHAMS, Mr. Marcus S., F.Z.S. 1 White-bellied Sea  
 Eagle.  
 ADAMS, Mrs. 1 Blue-fronted Amazon.  
 AGNEW, Mrs. Lockett. 1 Brazilian Hangnest.  
 AIKMAN, Mrs. Jane. 1 Eupatorian Parrakeet.  
 ALEXANDER, Mr. H. Boyd. 1 Dorsal Squirrel.



- ALLEN, Mr. F. S. 1 Lesser Sulphur-crested Cockatoo.  
 ALLEN, Mr. J. 2 Barn Owls.  
 50- ALLENBY, Capt. R.A., R.N. 1 Spotted Eagle.  
 ANDREWS, Mr. W. 1 Oyster-catcher.  
 ARMITAGE, Miss. 1 Slender-billed Cockatoo.  
 ASKEW, Miss. 1 Algerian Tortoise.  
 ASTLEY, The Rev. H. D., F.Z.S. 1 Grand Eclectus ♀.  
 ATKINS, Mr. B. 1 Common Chameleon.  
 AUSTIN, Miss M. 1 Javan Hill Mynah.  
 BAILEY, Mr. Arthur. 1 Badger (var.) ♀.  
 BAINES, Miss Helena. 1 Common Chameleon.  
 43- BALSTON, Mr. W. E., F.Z.S. 1 Black Ape ♂, 2 Moor  
 Macaques ♂ ♀, 1 White-whiskered Palm Civet,  
 1 Malayan Palm Civet, 2 Common Palm Civets,  
 2 Grizzled Hill Squirrels, 3 Prevost's Squirrels,  
 2 Palm Squirrels, 1 Malayan Squirrel, 1 Malayan  
 Tapir ♀, 1 Bengal Monitor.  
 BANTOCK, Mr. B. B. 1 Rusty-spotted Genet.  
 BARNETT, Mr. B. 1 Java Sparrow, 1 Nutmeg Finch,  
 1 Indian Silverbill.  
 BARRETT, The Hon. Mrs. Frederick. 1 Indian Wild  
 Swine.  
 BARRETT, Mr. 1 Water Rail.  
 BASSETT, Mr. H. 1 Kestrel.  
 BAXTER, Mrs. 3 Cormorants, 1 Greater Black-backed  
 Gull, 1 Goshawk, 3 Silver Pheasants ♀ ♀ ♀, 3 Hybrid  
 Silver Pheasants ♂ ♀ ♀, 1 Pintail ♂, 1 Pochard ♀,  
 1 Widgeon ♀, 1 Mandarin Duck ♀.  
 BÈCHERVAISE, Miss N. 1 Common Chameleon.  
 BEDDINGTON, Mr. Reginald, F.Z.S. 2 Common Trout,  
 4 Rainbow Trout.  
 BELHAVEN, The Master of (Hon. R. G. A. Hamilton).  
 1 Mozambique Guenon.  
 BELLEW, Miss T. C. 1 Bare-eyed Cockatoo.  
 BENZIE, Mr. George. 1 Wanderoo Macaque.  
 43- BILBROUGH, Mr. C. F. S., F.R.G.S. 1 Long-tailed  
 Goral ♂.  
 BLACKIE, Mr. Alfred. 1 Common Toad.  
 BLADES, Mrs. Harry. 2 Grey Singing Finches, 1 Blue-  
 breasted Waxbill.  
 BLAINE, Mr. G. 1 Serval.  
 BLAKE, Sir Henry A., G.C.M.G., H.M.Z.S. 3 Slender  
 Loris.

- BOLTON, Mr. J. W. 1 Black-headed Gull.  
 BOOTH, Mrs. Bramwell. 1 Red-handed Tamarin.  
 BOURKE, The Hon. Mrs. Algernon. 1 Vervet  
 Guenon ♂.  
 BOYD, Mrs. 1 Rhesus Macaque ♀.  
 BRADFORD, The Rev. John. 1 North African Jackal.  
 BRADLY, Mr. H. 1 Green Lizard.  
 BREAY, Master E. C. P. 1 Glass Snake.  
 BRINKLEY, Mr. T. 1 Plain-coloured Amazon, 1 Salvin's  
 Amazon.  
 BROOKS, Mr. Horace. 1 Tuberculated Iguana.  
 BROOKS, Mr. R. B. 1 Bosman's Potto ♂, 1 Nose-horned  
 Viper, 2 Royal Pythons.  
 BROWN, Mr. J. H. 1 Moustache Guenon.  
 BUCK, Mr. W. J., C.M.Z.S. 3 Great Bustards, 2 ♂, 1 ♀.  
 BULLOUGH, Mr. T. 2 Common Foxes, ♀ ♀.  
 BUNYAN, Mrs. 1 Moorish Gecko.  
 BURGESS, Mr. Charles J. 1 Common Peafowl.  
 BURGOYNE, Mr. Frederick, F.Z.S. 1 Lammergeier.  
 BURY, Mrs. Oliver. 2 Grey-breasted Parrakeets.  
 CABORNE, Mrs. M. L. 1 Common Cuckoo.  
 CACKETT, Mrs. 1 Common Macaque.  
 CALEY, Mr. E. Harold. 2 Tawny Owls.  
 CAPLE, Mrs. M. 1 Pig-tailed Macaque, ♀.  
 CARACCILO, Mr. Henry, C.M.Z.S. 2 Bird-eating Spiders.  
 CAWDOR, The Rt. Hon. The Earl, P.C., F.Z.S. 2 Ravens.  
 CHESTERMAN, Miss. 2 Spotted Salamanders, 1 Yellow-  
 bellied Toad.  
 CHISNALL, Mr. C. H. 1 Common Fox ♀.  
 CHURCHILL, The Viscountess. 1 Green Guenon.  
 COCKBURN, Mrs. Beatrix E., F.Z.S. 1 Mexican Snake,  
 1 Back-marked Snake.  
 COCKBURN, Mr. Charles. 1 Common Rat (albino).  
 COLEMAN, Mr. Frederic A., F.Z.S. 1 Salt-water Terrapin.  
 COLQUHOUN, Capt. 1 Büttikofer's Guenon.  
 COLSON, Mr. R. W. M. 1 Punctated Agouti, 1 Variable  
 Squirrel.  
 COOKE, Mr. A. C., F.Z.S. 18 Common Quails.  
 CORNISH, The Venerable Archdeacon G. K. Kestell-  
 1 Elegant Mongoose, 1 Broad-banded Mongoose.  
 COX, Mr. L. Harding, F.Z.S. 1 Tesselated Snake.  
 COX, Mr. P. H. 1 Pousargue's Guenon, 1 Common  
 Macaque ♂.

- CRIMP, Mr. Benjamin. 2 Hyacinthine Macaws.
- CURREY, Mrs. 1 Rock Thrush.
- DANCKWERTS, Mr. W. O., K.C., F.Z.S. 1 Vervet  
Guenon ♂, 1 Moor Macaque ♂, 2 Mandrills ♂ ♀,  
1 Leadbeater's Cockatoo, 1 Javan Peafowl ♀, 1  
Moustache Guenon.
- DAVIES, Mr. W. A. S. H. Kevill-, F.Z.S. 1 American  
Black Bear.
- 45 DE GREY, The Countess. 2 Chinchillas, 3 Viscachas, 1  
Kinkajou ♂, 1 Prevost's Squirrel, 1 Roseate Cockatoo,  
1 Bauer's Parrakeet, 1 King Parrot ♂, 1 Grand  
Eclectus ♀, 1 Brazilian Hangnest.
- DENMAN, Mr. Arthur, M.A., F.Z.S. 2 Hawfinches.
- DENTON, Capt. Sir George, K.C.M.G., F.Z.S. 1 Caracal,  
1 Nagor Antelope ♂, 3 Harnessed Antelopes ♂ ♀ ♀,  
2 Side-striped Jackals, 1 Brown-necked Parrot.
- DICKINSON, Mr. George W. 4 Anguine Lizards, 1  
Rhomb-marked Snake, 1 Rufescent Snake, 1 Smooth-  
bellied Snake, 2 Cape Bucephalus.
- DICKSEE, Mr. Arthur M. 1 Gold Pheasant ♀.
- DIGBY, Mr. J. Bassett. 1 Common Viper, 2 Sand  
Lizards.
- DOD, Mr. D. K. Wolley. 1 Slowworm.
- 46 DOUGLAS, Mr. Robert, F.R.G.S. 1 Hainan Gibbon ♂.
- DOWNING, Mr. W. E., F.Z.S. 2 Common Pole Cats ♂ ♂,  
2 Ravens (young).
- DREDGE, Mr. Charles J. 1 Abyssinian Guenon.
- DREWITT, Mr. D. W. 1 Short Death Adder.
- DYSART, The Earl of. 1 White-tailed Sea Eagle.
- EADIE, Mr. Donald. 1 Common Marmoset.
- EASTERN SEA FISHERIES COMPANY. 1 Common Seal ♂.
- EGERTON, Sir Walter, K.C.M.G., F.Z.S. 1 Chimpan-  
zee ♂, 1 Angolan Vulture.
- ELLIOTT, The Rev. J. R. U. 1 Black-backed Jackal ♂.
- ELLIS, Mr. Frank P. 1 Blue-and-Yellow Macaw.
- EUMORFOPOULOS, Mr. Eustratio, F.Z.S. 2 Common  
Snakes, 1 Common Viper.
- EVANS, Miss Maude. 1 Suricate.
- EYTON, Major Wynne. 1 Hybrid Pheasant ♂.
- FANE, Mrs. 1 Bonnet Macaque ♂
- FANSHAWE, Admiral Sir Arthur D., R.N., K.C.B., C.V.O.  
1 Roseate Cockatoo, 1 Greater Sulphur-crested  
Cockatoo.

- FEILDING, Miss Margaret. 1 Red-vented Bulbul.  
 FENTON, Mrs. H. E. 2 Spotted Salamanders.  
 FESTING, Capt. Henry M. C., R.N. 1 Lesser White-nosed  
 Guenon.  
 FETHERSTONHAUGH, The Hon. Mrs. Timothy. 1 Reeve's  
 Pheasant ♂, 1 Grey Mongoose.  
 FINN, Mr. Frank, F.Z.S. 1 Grey Singing Finch ♀,  
 1 Common Quail ♂.  
 FITZWILLIAM, Mr. James W. 2 Peregrine Falcons.  
 FORDE, Dr. R. M. 1 Mona Guenon.  
 FOTHERGILL, Major Henry. 1 Prairie Marmot.  
 FRAMPTON, Mr. H. Fetherstonhaugh-. 1 Otter ♀  
 (young).  
 FRAMPTON, Mr. W. 1 Greater Sulphur-crested Cockatoo.  
 FREDERICKSON, Mr. George. 1 Molock Lizard.  
 FRENCH, Mr. T. G. 1 Mozambique Guenon ♂.  
 FROST, Mr. W. 1 Black Lark ♀.  
 FRY, Mr. W. S. 1 Black-headed Lemur ♀.  
 GALL, Mr. William. 1 Slowworm.  
 GALSORTHY, Lady. 1 Bullfinch.  
 GANCIA, Mrs. 1 Greater Sulphur-crested Cockatoo.  
 GARDINER, Mrs. E. B. 1 Dwarf Chameleon.  
 GARNER, Mrs. 1 Greater Sulphur-crested Cockatoo.  
 GASKELL, Mr. Roger. 1 Rough Terrapin.  
 GEORGE, Mr. E. C. S. and Mr. Herbert Hampden (see  
 MESSRS. HAMPDEN & GEORGE).  
 GIBBONS, Mrs. 1 Rhesus Macaque.  
 GIBSON, Mrs. Thomas. 1 Greater Sulphur-crested  
 Cockatoo.  
 GILBEY, Sir Walter, Bart., F.Z.S. 1 Blue-and-yellow  
 Macaw.  
 GILL, Mrs. E. M. 1 Rose-crested Cockatoo.  
 GLADSTONE, Miss Joan. 2 Grey-headed Love-birds, 1 Grey  
 Mongoose.  
 GODDARD, Miss. 1 Kestrel.  
 GODMAN, Mr. Frederick Du Cane, D.C.L., F.R.S.,  
 V.P.Z.S. 3 Natterjack Toads.  
 GOLBORNE, Capt. 1 Alligator.  
 GOLDSTONE, Mr. S. A. 2 Turtle Doves.  
 GOOD, Mr. Charles. 1 Tigrine Cat ♀.  
 GOODFELLOW, Mr. Walter, F.Z.S. 1 Three-striped  
 Phalanger.  
 GORDON, Mr. John W., F.Z.S. 1 Tigrine Cat ♂.  
 GOSSE, Mr. Philip. 2 Red-backed Shrikes, 2 Common  
 Quails.

- GOSSE, Miss. 2 Common Quails.  
 GOULD, Mr. F. 1 Rhesus Macaque ♂.  
 GOUZY, Miss. 1 Common Macaque.  
 GREEN, Mr. Charles. 1 Prussian Carp.  
 GREEN, Mr. E. 1 Green Guenon.  
 GREENSLADE, Mr. C. B. 1 Black-eared Marmoset.  
 GRIFFITH, Mrs. M. O. 1 Eupatorian Parrakeet ♂.  
 GRIFFITHS, Miss Ona. 3 Streaky-headed Seed-eaters.  
 GRIFFITHS, Miss Ursula Norton. 1 Long-tailed Glossy  
 Starling, 3 Paradise Whydah-birds, 2 Red-beaked  
 Weaver-birds, 1 Swainson's Lorikeet.  
 GUNN, Mr. T. E. 1 Little Grebe, 1 Barn Owl, 1 Long-  
 eared Owl.  
 GÜNTHER, Dr. Albert, F.R.S., F.Z.S. 2 Wrynecks,  
 2 Stonechats, 2 Yellow Wagtails, 1 Willow Warbler.  
 GÜNTHER, Mr. R. L. 1 Blue-bearded Jay.  
 GURNEY, Mr. John Henry, F.Z.S. 1 Gannet.  
 GUTHRIE, Mr. Adam W., F.Z.S. 1 Fettered Cat, 1  
 Mountain Zebra, 53 Puff Adders, 7 Rhomb-marked  
 Snakes, 2 Smooth-bellied Snakes, 3 Cape Bucephalus,  
 2 Cape Adders, 3 Hoary Snakes, 3 Crossed Snakes,  
 2 Yellow Cobras, 4 Dwarf Chameleons, 2 Crested  
 Coots.  
 HAGGARD, Mrs. Rider. 1 Brazilian Hangnest.  
 HAIG, Mr. E. 5 Chub.  
 HAMMOND, Dr. William, L.R.C.P. 1 Barn-Owl.  
 HAMMOND, Mr. W. J. 1 Black-eared Marmoset.  
 HAMPDEN & GEORGE, Messrs. 9 Burmese Newts.  
 HANCOCK, Lieut. L. G. S., R.N. 1 Citron-crested  
 Cockatoo.  
 HARDING, Miss. 1 Common Hare.  
 HARRINGTON, Capt. 1 Cape Polecat.  
 HARMAN, Dr. W. M. 1 Common Hare.  
 HARRIS, Miss Daisy. 3 Budgerigars.  
 HARRIS, Miss Violet. 1 Hamster.  
 HARRIS, Mr. Walter E. 1 Dwarf Chameleon.  
 HARRISON, Col. Cholmeley. 1 Common Macaque.  
 HART, Mr. William. 1 Common Chameleon.  
 HATFIELD FISHING CLUB, The. 9 Trout.  
 HEDLEY, Mrs. Ellen. 1 Green Guenon, ♀.  
 43 HENDERSON, Mr. G. W., F.Z.S. 1 Wild Cat ♀.  
 HENRY, Miss Catherine. 1 Grey Mongoose.  
 HERD, Mrs. P. 1 Suricate.

- HETT, Dr. G. Seccombe-, M.B., F.Z.S. 1 Common Toad,  
3 Green Toads.
- HEWSON, Mr. F., Junr., M.R.C.V.S. 2 Kestrels.
- HIRON, Mrs. Edin-. 1 Leadbeater's Cockatoo.
- HOBART, Mr. G. 1 Garnett's Galago.
- HOOLEY, Mr. W. A. 1 Tawny Owl.
- HOPKINSON, Dr. E., D.S.O., M.R.C.S., F.Z.S. 5 Half-collared Turtle Doves, 1 Senegal Turtle Dove, 1 Barbary Turtle Dove, 6 Yellow-rumped Seed-eaters, 2 White-throated Rock-Sparrows, 1 Grey-headed Rock-Sparrow.
- 456 HORNOLD, The Marquess Gandolfi. 1 Æthiopian Ant-bear.
- HORSBRUGH, Capt. B. R., F.Z.S. 1 Fiskal Shrike ♀.
- HOULE, Mr. H. W. 1 Ring-tailed Lemur.
- HOWDEN, Mr. P. F. 1 Maccarthy's Mongoose.
- HUTCHINS, Mr. H. 1 Mozambique Guenon.
- INGRAM, Mr. Collingwood, F.Z.S. 1 Brazilian Hangnest, 1 Violet Tanager.
- INGRAM, Sir William, Bart. 7 Bronze-winged Pigeons, 4 Brush Bronze-winged Pigeons, 2 Blue-headed Pigeons, 3 Bronze-necked Doves, 11 Verreaux's Doves, 2 Black Tanagers ♂ ♀, 1 Golden-crested Mynah, 1 Golden-headed Conure.
- 48 IRONSIDE, Mr. H. G. O. Bax-, F.Z.S. 1 Brazilian Tapir ♂, 2 Capybaras.
- JACKSON, Mr. B. 4 Dwarf Chameleons, 1 Rhomb-marked Snake.
- JACKSON, Mr. D. W. 1 Angolan Vulture.
- 48 JARDINE, Miss E. L. 2 Black-backed Plovers, 2 Buff-breasted Partridges, 1 Abyssinian Fruit Pigeon, 1 Black-billed Hornbill, 1 Variegated Touracou, 3 Schlegel's Doves.
- JEFFREYS, Mr. John Gwyn, F.Z.S. 3 Shags.
- JINKINGS, Mr. R. W. 1 Moorhen.
- JOHNSTON, Mr. E. 1 Mississippi Alligator.
- JOHNSTONE, Mrs. E. J. 1 Gold-vented Bulbul, 1 Orange-vented Bulbul.
- JONES, Mr. B. N. H., F.Z.S. 2 Pennsylvanian Buzzards
- JOST, Mrs. E. Mack. 2 Roseate Cockatoos.
- KEAY, Miss N. 1 Orange-winged Amazon.
- KELHAM, Mr. Harold E. 1 Ring-tailed Coati.
- KELSALL, The Rev. J. E. 1 Common Viper.

- KEMP, Lt.-Col. George. 1 Blue-fronted Amazon.  
 KENNEDY, Capt. John. 2 Ravens.  
 KENT, Mr. A. Barton, F.Z.S. 1 Roseate Cockatoo.  
 48 - KEYES, Capt. Terence H., F.Z.S. 2 Onagers ♂ ♀.  
 KEYSER, Mr. C. R., F.R.C.S., F.Z.S. 2 Hedgehogs.  
 KILGOUR, Col. Henry. 1 Ducorp's Cockatoo.  
 KING, Miss Cynthia. 1 Red-and-yellow Macaw.  
 KINGSTON, The Earl of, F.Z.S. 2 Lion Cubs ♂ ♀.  
 LAMPSON, Mrs. C. W. 1 Grey Parrot.  
 45 - LANE, The Hon. Mrs. Vincent. 1 Laughing Kingfisher.  
 LEARMOUTH, Mr. M. C. Livingstone. 2 Grisons.  
 LEEFE, Lieut. J. B. 2 Angolan Vultures.  
 LEIGH, Miss Boughton. 1 Grey Mongoose.  
 LEIGHTON, Mr. L. 2 Diana Guenons ♂ ♀.  
 LENDEN, Mr. John. 1 Common Snake.  
 LEWINGTON, Mr. C. 1 Barbary Turtle-Dove, 1 Barred  
 Dove.  
 L'HOËST, Monsieur Michel, C.M.Z.S. 2 Ox Birds.  
 LIVINGSTONE, Mr. Charles. 2 Patagonian Cavies.  
 LOCKNER, Mr. Edward C. 1 Vulpine Phalanger.  
 LOCOCK, Capt. E. A., F.Z.S. 2 Grey Squirrels.  
 LODER, Sir Edmund, Bart., F.Z.S. 9 Prairie Marmots.  
 LONDON EXHIBITIONS, Ltd., The. 8 Cormorants.  
 LOVELL, Mr. S. P. 1 Long-eared Owl.  
 LUARD, Maj.-Gen. Charles Edward, R.E., F.R.G.S.  
 1 Banded Mongoose.  
 MACFARLANE, Dr. W. F., F.Z.S. 1 Crested Porcupine,  
 1 African Brush-tailed Porcupine, 2 Little Sparrow-  
 Hawks, 1 One-streaked Hawk, 1 Frazer's Eagle-  
 Owl, 1 Grey Eagle-Owl, 2 Royal Pythons, 1 Nilotic  
 Monitor, 2 Exanthematic Monitors. 1 Rufescent  
 Snake, 1 Hissing Sand-Snake, 1 Sharp-snouted  
 Snake.  
 MACGREGOR, Sir William, G.C.M.G., C.B., H.M.Z.S.  
 1 Black Bear.  
 MACKAY, Miss H. M. M. 1 Indian Muntjac ♂.  
 MCKENZIE, Mrs. A. R. 1 Hedgehog.  
 MACKENZIE, Mr. Osgood H. 1 Wild Cat.  
 MALCOLM, Mr. G. W. 1 Elephantine Tortoise.  
 MANN, Mr. Harrington. 1 Grey-breasted Parrakeet.  
 MARLEY, Mr. H. W. Bell-. 1 Spotted Toad, 1 South  
 African Trap-door Spider.  
 MASON, Col. H. B. 1 Grey Mongoose.

- MAUDE, The Lady Antonia. 1 Maccarthy's Mongoose.  
 MAUNDER, Mr. W. H. 1 Anubis Baboon.  
 MAXWELL, Mr. T. B. 1 Two-spotted Palm Civet.  
 MERCER, Mr. W. J. 1 Alligator.  
 MERTON, Mr. T. 1 Cormorant.  
 MILLER, Mr. Tinniswood, F.Z.S. 1 Lettered Aracari.  
 MINCHIN, Prof. E. A., F.Z.S. 1 Black Rat.  
 MITCHELL, Mrs. 1 Blue-fronted Amazon.  
 MITFORD, Capt. The Hon. C.B.O. 1 Striped Hyæna ♂.  
 MOLESWORTH, Lady. 1 Sooty Mangabey.  
 MONILAWS, Mrs. W. M. 2 Algerian Tortoises.  
 MORRELL, Mr. 1 Green Lizard.  
 MORRISON, Mr. A. 1 Ocellated Sand-skink.  
 MUNT, Mr. Henry, F.Z.S. 1 Algerian Tortoise.  
 MURRAY, Capt. Leslie. 1 African Civet Cat ♀.  
 NASH, Mrs. 1 Lesser White-nosed Guenon.  
 NEPAL, H. H. The Maharajah of. 4 Sheep ♂ ♂ ♂ ♂.  
 NICHOLAS, Capt. A. B. 1 Green Turtle.  
 NIDDICOMBE, Major G. T. 1 Chukar Partridge.  
 NIGHTINGALE, Mr. Louis H. Shore, F.Z.S. 2 Elegant  
 Terrapins.  
 NOBLE, Mrs. 1 Nuthatch, 1 Red-headed Cardinal.  
 NORWOOD, Mr. Eille. 1 Red-headed Cardinal, 1 Haw-  
 finch.  
 NUGENT, Mr. A. J. F. 1 Patas Guenon.  
 OCEAN STEAM SHIP Co., The. 1 Reticulated Python.  
 ONLEY, Mrs. 1 Ruddy Mongoose.  
 ONSLOW, Mr. Frank R. D. 1 Tawny Owl, 1 Raven.  
 ORD, Mr. W. 1 Mozambique Guenon ♀.  
 ORME, Miss Eliza. 1 Blue-fronted Amazon.  
 ORTON, Miss. 1 Greater Sulphur-crested Cockatoo.  
 PAM, Mrs. Albert. 3 Common Hedgehogs.  
 PAM, Messrs. Albert and Hugo. 1 Blue-chinned Hum-  
 mingbird ♂, 2 Ruby-crested Humming-birds ♂ ♀, 3  
 Prevost's Humming-birds ♂ ♂ ♀, 3 Saffron Finches,  
 1 Yarrell's Siskin, 1 Jacarini Finch, 2 Pileated Song  
 Sparrows, 1 Black Hangnest, 1 Plumbeous Finch,  
 13 Felicia's Humming-birds, 1 Ænone Humming-  
 bird, 1 Crab-eating Opossum, 2 Black-cheeked  
 Cardinals, 1 Bahama Duck ♂, 2 All-Green Tanagers,  
 1 Black-necked Tanager, 1 Orange-browed Tanager,  
 1 Shining Tanager, 2 Yellow-winged Sugar-  
 birds ♂ ♂.



- PANTER, The Rev. J. A. 1 Rhesus Macaque.  
 PATIENT, Mr. Alfred. 4 African Barn-Owls, 1 Red  
 backed Shrike.  
 PEARSE, Mr. T. 1 Common Buzzard.  
 PENTON, Mr. F. T., F.Z.S. 2 Lion Cubs ♂ ♀.  
 PERKS, Miss Emily, 1 Banded Parrakeet.  
 PETER, Mr. J. Stewart. 1 Crab-eating Raccoon.  
 PHILLIPS, Mrs. 1 Blue-fronted Amazon.  
 PHILLIPS, Mrs. Lionel. 1 Blue-and-Yellow Macaw,  
 1 Red-and-Blue Macaw.  
 PHILLIPS, The Rev. C. R. 2 Rough-eyed Cayman.  
 PHILLIPS, Mr. M. A., F.Z.S. 5 Dace.  
 PEIRANO, Miss. 1 Suricate.  
 POLLARD, Mrs. 1 Peba Armadillo.  
 POPE, Mr. R. I. 1 Malbrouck Guenon ♂.  
 POUNDS, Miss. 1 Tawny Owl.  
 POWELL, Miss Bassett-. 1 Magpie.  
 PRIEST, Mr. A. 1 Carrion Crow.  
 PRITCHARD, Mr. J. O. 2 Common Chameleons.  
 PRITCHARD, Mr. W. A. 1 Goliath Beetle.  
 PROBYN, Mrs. Leslie. 1 African Civet Cat.  
 45- QUIRKE, Capt. M. J., I.M.S. 1 Lort Phillip's Dik-Dik ♀.  
 REYNOLDS, Miss Joan. 2 Palm Squirrels.  
 RIDLEY, Mr. D. 1 Tawny Owl.  
 RIVIÈRE, Mr. Briton, R.A., F.Z.S. 1 Red-crested  
 Cardinal, 2 Cayman Island Amazons.  
 ROBERTS, Mr. T. E., F.Z.S. 1 Common Badger ♂.  
 ROBERTS, Miss A. 1 Grey Mongoose.  
 48- RODON, Major G. S., F.Z.S. 1 Musk Deer ♂.  
 ROLLINS, Mrs. J. W. 1 Black Lemur ♀.  
 ROSE, Miss. 1 Cylindrical Hornbill.  
 ROSENBERG, Mr. W. F. H., F.Z.S. 1 Dwarf Chameleon.  
 ROSS, Mr. J. W. 1 Roloway Guenon ♂.  
 RUDKIN, Capt. W. G. 1 Martin's Guenon ♂.  
 RUSSELL, Mr. C. E. M., F.Z.S. 4 Hybrid Mongolian  
 Pheasants.  
 RYDER, The Lady Constance. 1 Red-fronted Lemur ♀.  
 ST. QUINTIN, Mr. W. H., F.Z.S. 3 American Wigeon,  
 ♂, ♂, ♀, 2 Grey-winged Doves.  
 SANSOM, Mr. George S. 2 Common Vipers.  
 SCHROELER, Mr. 1 Little Grebe.  
 SECRETAN, Mr. Herbert E. 1 Long-eared Owl.  
 SEVASTOPULO, Mr. George D. 4 Java Sparrows, 3 Budge-  
 rigars.

- SMITH, Mr. D. Seth-, F.Z.S. 1 Angolan Seed-eater,  
3 African Silverbills, 1 Shining Weaver-bird, 1  
Japanese Greenfinch, 4 Hybrid Greenfinches, 2 Cirl  
Buntings, 1 Red-backed Bunting, 1 Smith's Finch-  
Lark ♀, 2 Hybrid Pileated Song-Sparrows, 1 Yellow-  
billed Cardinal, 1 Yellow-bellied Parrakeet, 1 Chinese  
Quail, 7 Harlequin Quails, 4 Graceful Ground Doves,  
1 Cape Dove, 3 Bronze-spotted Doves, 4 Yellow-  
rumped Finches, 2 Chestnut-eared Finches, 1 Spotted-  
sided Finch, 2 Red-tailed Finches.
- SMITH, Mr. Edgar A., I.S.O., F.Z.S. 1 Giant Snail.
- SMITH, The Rev. Canon F. C., F.Z.S. 2 African Brush-  
tailed Porcupines, 1 Gambian Pouched Rat, 1 Grey  
Eagle-Owl, 1 Senegal Chameleon.
- SMITH, Master G. Pye-. 1 Common Snake.
- SOUTHER, Miss. 2 Cockateels.
- SPURLING, Mr. F. W. 1 Suricate.
- STATHER, Mr. W. H. 1 Indian Gazelle ♂.
- STEEGMANN, Dr. E. J. 1 Hairy Armadillo ♂, 1 Crowned  
Lemur ♀.
- STEEL, Mr. Charles. 1 Black-eared Marmoset.
- STEINBERG, Mrs. 1 Greater Sulphur-crested Cockatoo.
- STEWART, Mr. John A. 1 Four-lined Snake.
- STRAFFORD, Mrs. M. F. 2 Grey-headed Love-birds.
- STRONG, Mr. H. W. 1 Ring-tailed Lemur ♀.
- STUART, Mr. P. 2 Grey Squirrels (Black var).
- STURGESS, Mrs. 1 Eupatorian Parrakeet ♂.
- SWAN, Miss M. 1 Green-cheeked Amazon.
- SWAYSLAND, Mr. W. 1 Water Rail.
- SWIFT, Mr. Donald. 3 Green-winged Doves, 1 Larger  
Hill-Mynah, 1 Indian Mynah.
- SWYNNERTON, Mr. C. F. 1 Herring Gull.
- TAYLOR, Mr. J. R. 1 Short-headed Phalanger.
- TEIL, Mr. D. Percival. 1 Eyed Lizard, 1 Green Lizard,  
4 Common Lizards.
- THOMAS, Lieut. C. E. Lloyd, R.N. 1 Indian Cobra.
- THOMAS, Mrs. Oldfield. 2 West-African Love-birds.
- THOMPSON, Mr. A. Beeby. A collection of Fire-flies.
- THOMSON, Mr. Arthur (Assistant Superintendent).  
1 Virginian Colin.
- THRELFELL, Lieut. Gabriel, R.N. 1 Common Chame-  
leon.

- THURLOW, Miss A. E. 1 Green Lizard, 2 Moorish  
 Geckos.  
 TOWNSHEND, Mrs. 1 Greater Sulphur-crested Cockatoo.  
 TRAILL, Mrs. A. L. 1 Common Skua.  
 TRIMBLE, Miss Ellen Ismay. 1 Algerian Tortoise.  
 TUBBY, Miss Marie. 1 Peregrine Falcon.  
 TWEEDIE, Miss. 1 Roseate Cockatoo.  
 TWIST, Mr. C. J. 1 Naked-footed Owlet.  
 UTLEY, Master Temple. 1 Naked-footed Owlet.  
 VAN NECK, Miss Doris A. 1 Black-eared Marmoset ♂.  
 VELEY, Mrs. V. H. 1 Mozambique Guenon ♂.  
 VOGUE, Mrs. 1 Patas Guenon.  
 VYSE, Mr. H. Howard. 2 Hybrid Geese, 2 Sparrow-  
 Hawks.  
 50 - VYSKOCEL, Mr. Joseph. 1 Macqueen's Bustard.  
 WADGE, Capt. Percy. 1 Grey Mongoose, 1 Small-Hill  
 Mynah.  
 WALKER, Dr. Alfred. 2 Common Buzzards.  
 WALKER, Mr. Edward St. Lawrence. 1 Yellow-billed  
 Amazon.  
 WALLIS, Mr. T. H. 1 Rose-crested Cockatoo.  
 WALSH, Capt. F. W. A. H., R.F.A. 1 Axis Deer ♂, 1  
 Indian Gazelle.  
 WARD, Mrs. G. F. 1 Mona Guenon ♂.  
 WARMAN, Mrs. Charles. 1 Roseate Cockatoo.  
 WARNER, Mr. John. 1 Greater Sulphur-crested Cockatoo.  
 WATSON, Lieut. Cecil F. L., R.N. 1 Greater Sulphur-  
 crested Cockatoo.  
 WAUD, Mr. Percy R., F.Z.S. 1 Ring-tailed Coati.  
 WEBB, Capt. Charles B., J.P. 1 Hawfinch.  
 WEBSTER, Mr. J. E. 1 Herring Gull.  
 WELD, Mr. H. F. 1 African Civet Cat.  
 WESTRAY, Mrs. 1 Green Guenon.  
 WHEATLEY, Mrs. 2 Swainson's Lorikeets.  
 WHEELER, Miss. 5 Budgerigars.  
 WHITE, Mr. Alfred, F.Z.S. 1 Tarantula Spider.  
 WHITE, Mr. John C., C.I.E., C.M.Z.S. 2 Gayals.  
 WHITE, Capt. 1 Vervet Guenon ♀.  
 WHITE, Capt. W. B. 1 Banded Mongoose.  
 WILD, Miss Lydia. A collection of Stick insects.  
 WILDE, Mr. 1 Barred Dove.  
 WILLIAMS, Mrs. Howard. 2 Yellow-vented Finches,  
 2 Yellow-rumped Seed-eaters.

- WILLIAMS, Mr. W. 1 Bonnet Macaque ♂.  
 WILSON, Mr. Charles J., F.Z.S. 1 Merlin.  
 WILSON, Miss D. 1 Rhesus Macaque ♂.  
 WILSON, Lady Sarah. 2 Vulpine Phalangers.  
 WINCHILSEA, The Countess of. 1 Egyptian Gerbille.  
 WINKWORTH, Mr. J. T. 1 Kestrel.  
 WISE, Miss A. 1 Ring-tailed Lemur.  
 WITHE, Mr. 1 Serval.  
 WOOD, Mr. A. B., F.Z.S. 1 Bonnet Macaque.  
 43- WOOD, Mr. A.H.E., F.Z.S. 1 Hoolock Gibbon ♀.  
 WOOD, Mrs. H. 1 Eupatorian Parrakeet.  
 WOODCOCK, Mr. J. 1 Mauge's Dasyure.  
 WOODD, Mrs. Jane. 2 Senegal Doves.  
 WRIGHT, Dr. M. J. 10 Japanese Newts.  
 YARDLEY, Col. J. Watkins. 2 Abyssinian Guenons ♂ ♀.  
 YOUNG, Mr. H. N. 1 Patas Guenon.

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### STATE OF THE FINANCES.

The Report of the Auditors of the Accounts for 1907 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, and the same course has been followed this year by the Auditors dealing with the Accounts for 1907.

The total sum actually received within the year was £37,307. 6s. 8d. On January 1st, 1907, the overdraft from 1906, amounting to £4,968. 0s. 1d. (*i.e.*, Banker's overdraft, £5,073. 11s. 1d., less £105. 11s. 0d. cash in hand), was paid off, leaving £32,339. 6s. 7d. net receipts. In accordance with the decision of the Council, announced

in last year's Report, not to treat the compositions of new Fellows as income, the sum of £810, representing the amounts paid by 18 new compounders, was placed to the new composition account, leaving a sum of £31,529. 6s. 7d. for the purposes of the year. The money paid out amounted to £33,253. 11s. 4d., leaving a deficit at the end of the year amounting to £1,724. 4s. 9d. (= Banker's overdraft, £1,826. 9s. 3d., less £102. 4s. 6d. cash in hand on December 31st, 1907). The overdraft at the Bankers has thus been reduced in the course of the year by the sum of £3,247. 1s. 10d.

Of the sum placed to the New Composition Account (£945 = £135 from 1906 + £810 from the current year) £855 was actually invested in the course of the year, and £90 received in the end of December, 1907, carried forward to be invested in 1908.

The Society has moreover a sum of £25 placed to the credit of a Workmen's Liability Account, the nucleus of a fund to meet any unusual emergency arising under the new Act.

*Comparison of Balance Sheet 1906 and 1907.*

LIABILITIES.	1906.			1907.			Comparison.			
	£	s.	d.	£	s.	d.	£	s.	d.	
Sundry Creditors and Rent and Taxes ...	2,131	9	5	1,386	10	5	-	744	19	0
Messrs. Drummond, Overdraft.....	5,073	11	1	1,826	9	3	-	3,247	1	10
Subscriptions received in advance .....	343	13	0	304	19	0	-	38	14	0
Reserve for Liability under Workmen's Compensation Act .....	—			25	0	0	+	25	0	0
	7,548	13	6	3,542	18	8	-	4,005	14	10
BALANCE, being Excess of Assets over Liabilities—										
Composition Fund (not separately in- vested) .....	7,540	0	0	6,680	0	0	-	860	0	0
New Composition Fund (separately invested) ..	135	0	0	945	0	0	+	810	0	0
General Purposes .....	50,039	19	10	57,378	19	2	+	7,338	19	4
	£65,263	13	4	£68,546	17	10		—		

ASSETS.	1906.			1907.			Comparison.			
	£	s.	d.	£	s.	d.		£	s.	d.
Animals in the Menagerie.....	17,042	0	0	19,063	0	0	+	2,021	0	0
Freehold Premises, Hanover Square .....	25,000	0	0	25,000	0	0		—		
Books in the Library.....	20,541	14	8	20,915	6	6	+	373	11	10
Unsold Publications .....	500	0	0	500	0	0		—		
„    “ Zoological Record ” .....	900	0	0	900	0	0		—		
Debts due to the Society .....	764	7	8	670	9	7	-	93	18	1
Balance of Cost of Drainage, to be repaid by instalments .....	275	0	0	231	0	0	-	44	0	0
Rates paid in advance .....	—			194	17	3	+	194	17	3
New Composition Fund .....	135	0	0	945	0	0	+	810	0	0
Cash at Bank, Workmen's Compensation Fund Account.....	—			25	0	0	+	25	0	0
Cash in hand at Office and Gardens .....	105	11	0	102	4	6	-	3	6	6
	£65,263	13	4	£68,546	17	10	+	3,283	4	6

The Composition Fund (not separately invested) on the Liability side of the Balance Sheet is a liability that will decrease annually, as the compositions of all Fellows elected after the end of 1906 are separately invested. The increase of over £7,000 on the Balance of Assets over Liabilities (General Purposes) represents actual improvement in the financial position of the Society.

*Comparison of Income, 1906 and 1907.*

	1906.			1907.			Comparison.			
	£	s.	d.	£	s.	d.		£	s.	d.
Admission Fees .....	1,675	0	0	1,385	0	0	-	290	0	0
Subscriptions (Fellowship) .....	7,758	0	0	8,259	0	0	+	501	0	0
Composition Fees .....	1,032	0	0	950	0	0	-	82	0	0
Garden Sales .....	390	10	4	195	2	10	-	195	7	6
Rent of Refreshment Rooms .....	1,000	0	0	1,000	0	0		—		
Rents—Hanover Square .....	200	0	0	200	0	0		—		
Admission to Gardens .....	22,216	0	11	21,287	15	0	-	928	5	11
Riding Receipts .....	643	16	9	560	10	5	-	83	6	4
“ Garden Guide ” and Post-card sales, less expenses, printing, &c. ....	915	9	8	797	17	10	-	117	11	10
Rent of Lavatories .....	95	17	9	102	8	1	+	6	10	4
Zoological Record Sales.....	—			275	11	6	+	275	11	6
Miscellaneous Receipts .....	64	14	6	118	2	4	+	53	7	10
	£35,991	9	11	£35,131	8	0	-	£860	1	11

The receipts from admissions to the Gardens in 1906 were £4,746 greater than the previous year; as the weather in 1907 was not nearly so favourable and as there was no special attraction such as the Prince of Wales' Indian Collection, a very great drop might have been expected; the fact that the drop was less than £1,000 may be taken as a most favourable sign for the future.

*Comparison of Ordinary Expenditure, 1906 and 1907.*

	1906.			1907.			Comparison.			
	£	s.	d.	£	s.	d.		£	s.	d.
Rent, Rates, &c., Gardens .....	1,460	1	3	1,488	4	3	+	28	3	0
Charge set aside under Workmen's Compensation Act .....	—			25	0	0	+	25	0	0
Charges under Licensing Act, 1904 .....	15	0	0	21	13	4	+	6	13	4
Rates, Taxes, &c., Hanover Square.....	316	3	0	311	18	0	—	4	5	0
Salaries, Gardens .....	4,696	4	2	4,825	7	5	+	129	3	3
Do. Hanover Square .....	1,646	18	0	1,705	9	6	+	58	11	6
Pensions, Gardens .....	260	0	0	212	6	8	—	47	13	4
Do. Hanover Square .....	752	0	0	752	0	0		—		
Special Donation, &c., <i>re</i> late Employee... Provisions .....	—			136	0	0	+	136	0	0
3,992	16	11	4,441	11	10	+	448	14	11	
Cost and Carriage of Animals .....	1,999	6	4	2,091	1	2	+	91	14	10
Charge on A/c. of Australian Exhibition Menagerie Expenses .....	—			250	0	0	+	250	0	0
2,210	10	4	2,156	18	4	—	53	12	0	
Prosectorium Expenses.....	718	3	3	681	16	6	—	36	6	9
Works (Ordinary)—Gardens .....	5,414	1	0	4,045	16	10	—	1,368	4	2
Do. Hanover Square.....	161	0	6	73	10	0	—	87	10	6
Gardeners' Expenses .....	1,334	12	3	1,417	11	4	+	82	19	1
Advertisements .....	439	13	11	352	5	6	—	87	8	5
Band Expenses (Net) .....	165	15	11	133	17	8	—	31	18	3
House and Office Expenses, Gardens .....	343	9	10	396	1	5	+	52	11	7
Do. do. Hanover Square .....	703	15	2	779	3	6	+	75	8	4
Stationery and Printing (Miscellaneous) .....	386	7	11	340	16	4	—	45	11	7
Cost of Publications (Net).....	1,178	4	3	828	18	1	—	349	6	2
Cost of "Zoological Record" (Net).....	251	2	2	264	6	8	+	13	4	6
Library Expenses .....	418	11	4	463	4	11	+	44	13	7
Law Expenses.....	2	2	0	4	4	0	+	2	2	0
Interest on Loans .....	47	0	6	34	6	8	—	12	13	10
Cost of Silver Medal .....	—			3	10	0	+	3	10	0
<b>TOTALS .....</b>	<b>£28,913</b>	<b>0</b>	<b>0</b>	<b>£28,236</b>	<b>19</b>	<b>11</b>	<b>—</b>	<b>£676</b>	<b>0</b>	<b>1</b>

The increase in the cost of provisions is due partly to higher prices and partly to increased quantities. The item with regard to the Australian Exhibition was paid on expenses incurred in connection with the forthcoming Exhibition for this year. The decrease in the cost of publications is accidental, a very elaborate Memoir for

the *Transactions* was being finished in time to come under the accounts of the year.

	1906.			1907.			Comparison.		
	£	s.	d.	£	s.	d.	£	s.	d.
Surplus of Income over Ordinary Expenditure .....	7,078	9	11	6,894	8	1	—	184	1 10

#### CONCLUSION.

The Council can again congratulate the Fellows on the prosperous condition of the Society. The number of Fellows and the income from Fellows' subscriptions has increased, although the rate of increase was not so great as in 1906. The surplus of income over expenditure was large, and the overdraft was very greatly reduced, whilst a considerable sum was invested. The extension of ground will afford the opportunity for many much-needed improvements, which will be taken in hand as quickly as the finances permit.

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

Council ... ..	17
Monthly Business Meetings ... ..	10
Scientific Meetings ... ..	13
Garden Committee ... ..	13
House and Library Committee ... ..	5
Publication Committee ... ..	13
Prosectorial Committee ... ..	12
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.*

3, Hanover Square, W., March 19th, 1908.



REPORT  
OF THE  
AUDITORS OF THE ACCOUNTS  
OF THE  
ZOOLOGICAL SOCIETY  
OF LONDON.

APPOINTED JANUARY 16TH, 1908

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THE Committee of Auditors of the Zoological Society of London (with the assistance of the professional Auditor, who has certified the whole of the accounts in detail) having examined the books and accounts for the year ended 31st December, 1907, submit to the Society an abstract of the accounts, together with an estimate of the assets and liabilities at the close of the year.

It will be seen that the excess of ordinary income over ordinary expenditure has been £6,894. 8s. 1d., while there has been an extraordinary expenditure of £1,576. 8s. 9d. The Bank overdraft has been decreased by £3,247. 1s. 10d., namely, from £5,073. 11s. 1d. to £1,826. 9s. 3d., and the amount owing to sundry creditors has been reduced by £744. 19s. 0d., and now amounts to £1,386. 10s. 5d. The composition fees of new Fellows received during the year have been invested, so that the amount placed to the New Composition Fund is now £945.

## LIABILITIES.

	£	s.	d.	£	s.	d.
To Sundry Creditors ... ..	1,157	5	2			
Do. for Rent and Taxes ... ..	229	5	3			
	<hr/>			1,386	10	5
„ Messrs. Drummond & Co., Overdraft ... ..				1,826	9	3
„ Subscriptions received in advance ... ..				304	19	0
„ Reserve for liability under Workmen's Compensation Act ... ..				25	0	0

## BALANCE, BEING EXCESS OF ASSETS OVER LIABILITIES, viz. :—

## Composition Fund (not separately invested)—

Balance at January 1st, 1907 £7,540 0 0

Add 3 Fellows compound-  
ing at £30 ... .. 90 0 0

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7,630 0 0Less Amount transferred  
to Revenue ... .. 950 0 0

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6,680 0 0New Composition Fund, 21 at £45, separately  
invested ... .. 945 0 0

## General Purposes—

Balance at January 1st, 1907 50,039 19 10

Add Excess of Ordinary  
Income over Expendi-  
ture ... .. 6,894 8 1

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56,934 7 11Less Extraordinary Ex-  
penditure ... .. 1,576 8 9

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55,357 19 2Add Increase in value of total  
stock of animals ... 2,021 0 0

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57,378 19 2

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65,003 19 2

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£68,546 17 10



## INCOME AND EXPEN

FOR THE YEAR ENDED

ORDI

*INCOME.*

	£	s.	d.	£	s.	d.
Admission Fees (New Fellows) ... ..				1,385	0	0
Subscriptions (Fellows) ... ..				8,259	0	0
Compositions—						
Amount transferred from Fund—						
28 Fellows deceased during the year ...	20	0	0			
465 Fellows at £2 ... ..	930	0	0			
				<hr/>		
				950	0	0
Interest on Composition Fees invested ... ..				14	5	1
Sale of Animals, &c. ... ..				195	2	10
Rent of Refreshment Rooms ... ..				1,000	0	0
Rents, Hanover Square ... ..				200	0	0
Admissions to Gardens... ..				21,287	15	0
Riding Receipts... ..				560	10	5
Sale of Official Guide and Postcards ... ..	1,350	4	10			
<i>Less</i> Expenses, Printing, &c. ... ..	552	7	0			
				<hr/>		
				797	17	10
Lavatories ... ..				102	8	1
Sales of Zoological Record ... ..				275	11	6
Sale of Transferable Ivory Tickets and Artists' and Photographers' Permits ... ..				88	15	0
Miscellaneous Receipts... ..				15	2	3

Carried forward .. ..

£35,131 8 0

# DITURE ACCOUNT.

77

31ST DECEMBER, 1907.

NARY.

## EXPENDITURE.

	£	s.	d.	£	s.	d.
Rent, Rates, Taxes and Insurance, Gardens ...				1,488	4	3
Amount set aside for Liability under Workmen's Compensation Act ... ..				25	0	0
Charges under Licensing Act, 1904... ..				21	13	4
Rates, Taxes and Insurance, Hanover Square ...				311	18	0
Salaries, Staff and Keepers, Gardens ... ..				4,825	7	5
Do. Hanover Square ... ..				1,705	9	6
Pensions, Gardens ... ..				212	6	8
Do. Hanover Square ... ..				752	0	0
Special Donation and Expenses <i>re</i> late Employee ..				136	0	0
Provisions, including Storekeeper's Wages ...				4,441	11	10
Cost and Carriage of Animals ... ..				2,091	4	2
Expenses in advance on Account of Australian Exhibition, 1908, being payment on account of expenses of Mr. Seth-Smith, a Member of Council ... ..				250	0	0
Menagerie Expenses:—						
Coke ... ..	433	18	3			
Straw ... ..	241	12	0			
Water and Pumping ... ..	545	5	4			
Keepers' Uniforms ... ..	190	7	4			
New Cages, Fittings, &c. ... ..	101	5	10			
Sand, Sawdust, Turf, &c. ... ..	199	9	0			
Medical Attendance ... ..	57	15	0			
Other Expenses ... ..	387	5	7			
				2,156	18	4
Prosectorium Expenses:—						
Salaries ... ..	601	11	3			
Other Expenses ... ..	80	5	3			
				681	16	6
Maintenance of Buildings, Paths, &c., Gardens:—						
Wages ... ..	2,213	14	3			
Materials ... ..	1,832	2	7			
				4,045	16	10
Gardener's Expenses:—						
Wages ... ..	1,209	8	8			
Other Expenses ... ..	208	2	8			
				1,417	11	4
Repairs at Hanover Square ... ..				73	10	0
Advertisements ... ..				352	5	6
Band Expenses (net cost) ... ..				133	17	8
Fuel, Light, &c., at Superintendent's and Keepers' Offices and Houses at Gardens ... ..				396	1	5
House and Office Expenses, Hanover Square:—						
Wages of Housekeeper, Servants and Messengers	296	4	6			
Fuel, Light and Water ... ..	141	11	10			
Other Expenses and Postage ... ..	341	7	2			
				779	3	6
Carried forward ... ..				£26,297	13	3

*INCOME.*

	£	s.	d.
Brought forward ... ..	35,131	8	0

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£35,131 8 0

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*EXTRAOR*

	£	s.	d.
Balance being Extraordinary Expenditure carried to Balance Sheet ... ..	1,576	8	9

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£1,576 8 9

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*DAVIST*

Dividends ... ..	£72	4	0
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We certify that we have examined the foregoing Accounts with the Books and  
We have also verified the Bankers' Balance and the Securities.

3, Hanover Square, W.,  
February 27th, 1908.

## EXPENDITURE.

	£	s.	d.	£	s.	d.
Brought forward ... ..				26,297	13	3
Stationery and Miscellaneous Printing ... ..				340	16	4
Cost of Publications ... ..	1,547	2	0			
<i>Less</i> Subscriptions and Sales ... ..	718	3	11			
				828	18	1
Preparation of "Zoological Record" ... ..	486	10	8			
<i>Less</i> Contribution from Inter- national Catalogue ... ..	£150	0	0			
Transfer from Davis Fund ... ..	72	4	0			
				2	4	0
				264	6	8
Library Expenses:—						
Salaries ... ..	302	0	0			
Binding ... ..	145	5	2			
Other Expenses ... ..	15	19	9			
				463	4	11
Law Expenses ... ..				4	4	0
Interest on Loans ... ..				34	6	8
Cost of Silver Medal ... ..				3	10	0
Balance, being Excess of Ordinary Income over Expenditure, carried to Balance Sheet ..				6,894	8	1
				£35,131	8	0

## ORDINARY.

	£	s.	d.
Works at Gardens:—			
Bird House (Balance) ... ..	327	5	11
Reptile House Roof ... ..	440	19	1
Northern Pheasantry ... ..	314	11	11
Extension of Gardens ... ..	493	11	10
	£1,576	8	9

## TRUST FUND.

New per cent. Preference Stock (Present Value at 110, £2,090.)

4 0 Payment to Editor of "Zoological Record" ...	£72	4	0
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and vouchers of the Society, and have found them to be in accordance therewith.

ATWOOD THORNE (Chairman).

R. H. BURNE,  
W. T. CROSWELL,  
ERNEST GIBSON,

T. W. GITTENS,  
F. J. GOODCHILD,  
W. LATTA,

} Committee of  
  Auditors.

W. B. KEEN, Chartered Accountant.

