

REPORT
OF THE
COUNCIL AND AUDITORS
OF THE
ZOOLOGICAL SOCIETY
OF LONDON,
FOR THE YEAR 1897.

READ AT THE ANNUAL GENERAL MEETING,

APRIL 29TH, 1898.

LONDON:
PRINTED BY TAYLOR AND FRANCIS,
RED LION COURT, FLEET STREET.
1898.

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REPORT OF THE COUNCIL.

April 29, 1898.

THE Council have the pleasure of submitting to the Fellows assembled at the sixty-ninth Anniversary their Annual Report upon the progress of the Society.

This, in accordance with previous Reports, is divided into three heads, the first of which (p. 3) relates to the General Condition of the Society and its Finances, the second (p. 10) to the business transacted at the Office in Hanover Square, and the last (p. 31) to the state of the Gardens and Menagerie in the Regent's Park.

I. GENERAL CONDITION OF THE SOCIETY.

I. STATE OF THE ROLL OF MEMBERS.

a. *Fellows.*

The number of Fellows and Fellows Elect on the 1st of January, 1898, was 3158, classified as follows:—

Compounders	945
Compositions remitted	18
Paying annual subscriptions	1994
Dormant	178
Admission-fees unpaid	23
	—
Total	3158

The Council have great pleasure in calling attention to the increase that has of late years taken place in the strength of the Society. As will be seen by the sub-joined table, the number of Fellows on Dec. 31, 1897, was

3158, showing an increase of 60 during the year 1897. The number of Fellows' names upon the Society's books is at the present time larger than it has been at any period since the year 1885.

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.					Resigned.			Removed.			Ceased to be Fellows.	Number of Fellows, December 31.
		Compounders.			Subscribers.		Subscribers.		Admission Fees Unpaid.	Subscribers.		Admission Fees Unpaid.		
		£20.	£30.	Fee re-mitted.	£2.	£3.	£2.	£3.		£2.	£3.			
1888.	122	1	10	1	3	58	...	54	...	...	15	8	150	3076
1889.	125	1	14	1	2	58	...	36	...	...	12	2	126	3075
1890.	121	...	29	1	4	60	...	42	...	...	8	6	150	3046
1891.	118	3	36	...	...	73	...	54	...	...	9	4	179	2985
1892.	177	5	31	4	3	61	...	50	...	...	3	6	163	2999
1893.	155	6	29	1	2	53	1	41	...	...	28	8	169	2985
1894.	163	3	31	2	1	74	...	51	...	...	6	8	176	2972
1895.	197	1	26	1	2	61	...	33	...	...	11	7	142	3027
1896.	207	...	24	2	...	62	...	40	...	...	5	3	136	3098
1897.	179	...	26	...	...	66	...	20	...	...	4	3	119	3158

b. Foreign Members.

Two new Foreign Members have been elected to fill vacancies since the last Anniversary, viz. :—

Dr. Julius Victor Carus, of Leipzig, Germany.

Dr. Gustav Ferdin. Radde, Director of the Tiflis Museum, Russia.

c. Corresponding Members.

The following is a list of the Corresponding Members of the Society elected since the last Anniversary :—

Dr. E. Evald Bergroth, of Tammerfors, Abo, Finland.

Dr. Emile Blanchard, of the Museum of Natural History, Paris.

Dr. Victor Fatio, of the Museum of Natural History, Geneva.

Dr. Clemens Hartlaub, of the Zoological Station, Heligoland.

Dr. Selmar Schönland, Curator of Albany Museum, Grahamstown.

Mr. Leonhard Stejneger, of the Smithsonian Institution, Washington, U.S.A.

Mr. Frederick William Urich, of Port-of-Spain, Trinidad.
Señor Florentino Ameghino, of Buenos Aires, Argentine Republic.

Mr. John David Diques La Touche, of the Chinese Imperial Maritime Customs, Foochow.

Mr. Dudley Le Souëf, Assistant-Director of the Zoological Garden, Melbourne.

Mons. Arthur Porte, Director of the Zoological Garden of Acclimatation, Paris.

This brings the roll of this class of Members up to 200, the number prescribed in the Society's By-laws.

d. *Medallists.*

An addition to the Society's Medallists has been made since the last Anniversary by the award of the Silver Medal of the Society to Mr. Alexander Whyte, F.Z.S., in acknowledgment of the valuable services he has rendered to Zoological Science by his researches in British Central Africa, under the superintendence of H.B.M. Commissioner and Consul-General, Sir Harry Johnston, K.C.B. Many valuable contributions to Zoological Science, based upon the large collections made by Mr. Whyte, have been published in the Society's 'Proceedings.'

2. STATE OF THE FINANCES.

a. *Income.*

The occurrence of the Queen's Diamond Jubilee in 1897, together with the very favourable weather experienced during the summer and autumn of last year, drew a large number of visitors to the Society's Gardens. The income derived from this source amounted to £17,261 6s., as against £15,667 7s. in 1896, showing an increase of £1593 19s. under this head. Under the other heads of income, as will be seen on reference to the subjoined comparative table, the variations from 1896 were not considerable and call for little remark. It may be observed, however, that out of fourteen of the different heads into which the receipts are divided, eleven of them show a small increase.

Under the circumstances above mentioned, the total Income of the Society received in 1897 amounted to £28,713 4s. 6d., being £1,631 14s. 2d. more than in 1896. This large total is greater than any of the corresponding amounts received by the Society for income since the year 1884.

Comparative Table of Receipts in 1897 and 1896.

	Income of		Increase.	Decrease.
	1897.	1896.		
	£ s. d.	£ s. d.	£ s. d.	£ s. d.
Admissions to Gardens	17,261 6 0	15,667 7 0	1,593 19 0	.....
Riding Receipts	622 6 10	601 16 2	20 10 8	.....
Garden Sales.....	545 10 6	497 5 5	48 5 1	.....
Rent for Refreshment-Rooms ...	1,000 14 11	970 2 3	30 12 8	.....
Rent for Rooms at Hanover Square	180 2 0	150 13 0	29 9 0	.....
Admission Fees:—				
Past	110 0 0	105 0 0	5 0 0	.....
Present	685 0 0	835 0 0	.....	150 0 0
Annual Subscriptions:—				
Past	18 0 0	48 0 0	.....	30 0 0
Present	5,863 6 0	5,785 0 0	78 6 0	.....
Future	171 0 0	150 0 0	21 0 0	.....
Compositions.....	930 0 0	1,080 0 0	.....	150 0 0
Publications	743 13 8	667 12 4	76 1 4	.....
Zoological Record.....	354 2 6	330 6 3	23 16 3	.....
Dividends and Interest	112 17 0	101 10 8	11 6 4	.....
Miscellaneous	115 5 1	91 17 3	23 7 10	.....
	28,713 4 6	27,081 10 4	1,961 14 2	330 0 0
Increase .....	.....	1,631 14 2	330 0 0	Ded. Decr.
	28,713 4 6	28,713 4 6	1,631 14 2	.....

The fluctuations of the Annual Income of the Society during the past 20 years are shown in the next Table:—

Year.	Total Income. £	Year.	Total Income. £
1878	27,944	1888	24,025
1879	26,463	1889	26,427
1880	27,388	1890	25,059
1881	25,810	1891	24,054
1882	34,270	1892	24,877
1883	28,966	1893	26,217
1884	28,939	1894	25,107
1885	25,809	1895	26,958
1886	25,787	1896	27,081
1887	23,102	1897	28,713

b. *Expenditure.*

The total Ordinary Expenditure of the Society for the year 1897 amounted to £25,329 14s. 11d., against £23,788 1s. 2d. in 1896, showing an increase of £1,541 13s. 9d. Besides the Ordinary Expenditure of 1897, the sum of £2,375 15s. 7d. was devoted to five items of extraordinary expenditure, of which particulars are given below.

On comparing the Expenditure for the two years, it will be observed that the head in which the increase of ordinary expenditure is most considerable is that of 'Publications,' the cost of which in 1897 was £2,519, against £1,722 1s. 8d. paid in 1896. This excess was mainly caused by the large cost of the two parts of 'Transactions' issued in 1897, and by the publication of the new edition of the List of Animals which was issued in that year. As regards works and buildings, it will be observed that the excess of 'Works' in 1897 is nearly balanced by the decrease of 'Buildings' during the same period. The remaining heads of ordinary expenditure do not seem to call for special remark.

Comparative Table of Expenditure for 1897 and 1896.

	Expenditure of						Increase.	Decrease.
	1897.		1896.		£ s. d.	£ s. d.		
	£	s. d.	£	s. d.				
Rent, Rates, Taxes, and Insurance ...	1,801	12 0	1,577	12 5	223	19 7		
Salaries and Pensions.....	5,500	6 8	5,508	10 0			8 3 4	
Provisions	3,779	17 2	3,665	3 0	114	14 2		
Cost and Carriage of Animals	1,333	4 10	1,164	5 11	168	18 11		
Menagerie Expenses	3,297	6 8	3,261	11 9	35	14 11		
Keepers' Dresses	182	4 6	164	17 6	17	7 0		
Works, Materials, &c.	4,017	5 10	2,595	13 10	1,421	12 0		
Buildings	1,188	6 8	2,600	0 0			1,411 13 4	
Garden Expenses.....	849	18 9	871	0 10			21 2 1	
Advertisements.....	338	2 9	293	4 0	44	18 9		
Band Expenses	167	9 6	163	19 0	3	10 6		
House and Office Expenses	1,120	10 0	1,100	18 3	19	11 9		
Stationery and Printing	387	4 7	388	4 9			1 0 2	
Cost of Publications	2,519	0 0	1,722	1 8	796	18 4		
Cost of 'Zoological Record'	560	12 10	681	6 4			120 13 6	
Library Expenses.....	515	9 11	493	18 9	21	11 2		
Expenditure of Davis Bequest.....	73	9 4	73	9 4				
Zoological Lectures.....	55	0 0	55	17 6			0 17 6	
Miscellaneous	18	8 6	24	1 4			5 12 10	
	27,705	10 6	26,405	16 2	2,868	17 1	1,569 2 9	
Increase			1,299	14 4	1,569	2 9	Ded. Decr.	
	27,705	10 6	27,705	10 6	1,299	14 4		
Ordinary Payments.....	25,329	14 11	23,788	1 2	1,541	13 9		
Extraordinary ditto.....	2,375	15 7	2,617	15 0			241 19 5	
	27,705	10 6	26,405	16 2	1,299	14 4		

The Extraordinary Expenditure paid in 1897 amounted altogether to £2,375 15s. 7d., and may be classed under five heads, concerning which particulars are now given.

Extraordinary Expenditure paid in 1897.

	£	s.	d.
1. New Ostrich and Cranes' House, balance	1,188	6	8
2. New Bore and Machinery at Well, on account ...	100	0	0
3. New Tortoise House	464	14	8
4. New Lavatory.....	350	8	7
5. New List of Animals.....	272	5	8
	<u>£2,375</u>	<u>15</u>	<u>7</u>

The balance payable to the Contractors for the new Ostrich and Cranes' House, the object of which building was fully explained by the Council in their Report for 1896, was £1,188 6s. 8d. The sum of £100 was paid on account of some new works that are now in progress at

the well in the Society's Gardens. The sum of £464 14s. 8d. was devoted to the new 'Tortoise House, and the sum of £350 8s. 7d. to the new Lavatory. Explanations concerning these items will be given in the portion of the Council's Report relating to the Garden Establishment.

The last item of Extraordinary Expenditure is the cost of a new edition of the 'List of the Animals now or lately living in the Society's Gardens,' which amounted to £272 5s. 8d.

Adding the extraordinary and ordinary expenditures together, it will be found that the total Expenditure of the Society in 1897 amounted to £27,705 10s. 6d., being £1,299 14s. 4d. more than that of the preceding year. At the same time it may be pointed out that the income of 1897 exceeded that of the year 1896 by £1,631 14s. 2d., so that the increase of expenditure was more than balanced by the increase of income.

The Balance at the Bankers brought forward on the close of the year 1896 was £1,066 15s. 4d. On adding this to the income received in 1897 (£28,713 4s. 6d.), it will be found that a total sum of £29,779 19s. 10d. was available for the expenditure of that year. This amount was disposed of in the following way:—The sum of £27,705 10s. 6d. was devoted to ordinary and extraordinary expenditure, as already mentioned, and the sum of £1,000 was added to the Deposit Account, which at the present time amounts to £3,000. This left a balance of £1,074 9s. 4d. to be carried forward to the benefit of the present year, being £7 14s. more than the balance brought forward from 1896.

Thus the Balance-Sheet of the Society for 1897 may be shortly stated as follows:—

<i>Receipts, 1897.</i>		<i>Payments, 1897.</i>	
	£ s. d.		£ s. d.
Balance brought from December 31, 1896	1,066 15 4	Expenditure paid in the year	27,705 10 6
Income received in 1897.....	28,713 4 6	Transfer to Deposit Account.....	1,000 0 0
		Balance carried forward to 1898 ...	1,074 9 4
	£29,779 19 10		£29,779 19 10

c. *Assets and Liabilities.*

The Assets and Liabilities of the Society on December 31, 1897, were estimated as follows:—

ASSETS.

	£	s.	d.
Animals in the Menagerie in the Regent's Park	21,000	0	0
Books in the Library at Hanover Square	17,345	0	0
Unsold Publications.....	2,127	10	6
Stock of the 'Zoological Record'	976	10	0
Freehold Premises at Hanover Square	25,000	0	0
Present value of £1,900 London and South-Western Railway New 4 per cent. Preference Stock (Davis Trust Fund), @ 137½	2,612	10	0
On Deposit at Messrs. Drummond	3,000	0	0
Cash at the Bankers (Messrs. Drummond)	1,074	9	4
Arrears considered good:—	£	s.	d.
Rent for Refreshment-Rooms.....	78	12	2
Rent for Rooms at Hanover Square	38	15	0
Garden Sales.....	209	3	4
Fellowship Subscriptions.....	74	0	0
Publication Sales	130	3	7
		530	14 1
		<u>£73,666</u>	<u>13 11</u>

LIABILITIES.

	£	s.	d.
Rent and Taxes unpaid	221	10	4
Bills, &c., estimated	859	0	10
Messrs. Isler & Co., New works at Well	1,188	18	0
		<u>£2,269</u>	<u>9 2</u>

II. OFFICE, 3 HANOVER SQUARE.

1. SCIENTIFIC MEETINGS.

To the thirteen meetings for the despatch of scientific business held in the Society's Rooms in Hanover Square, in 1897, 110 communications were made. Of these, 80 were from Fellows, 6 from Corresponding Members, and 1 from Foreign Members. The remaining 23 papers were from individuals not belonging to the Society, and were communicated to it by the Secretary or by other Members. The corresponding number of communications in the year 1896 was 103.

These communications were submitted to the Committee of Publication, by whom 68 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.

2. SCIENTIFIC PUBLICATIONS.

a. *Proceedings.*

The volume of 'Proceedings' for 1897 contains 1013 pages illustrated by 57 plates. In the following Table are given the number of plates and pages of the volumes of 'Proceedings' for the past ten years:—

	plates.	pages.
1888	32	717
1889	62	668
1890	57	730
1891	50	703
1892	47	756
1893	64	812
1894	49	780
1895	56	1059
1896	52	1110
1897	57	1013

b. *Transactions.*

Of the Society's quarto 'Transactions' two parts were published in 1897, viz. :—

VOL. XIV. PART III. (April 1897).

Contributions to the Comparative Anatomy and Histology of the Suprarenal Capsules.—The Suprarenal Bodies in Fishes, and their Relation to the so-called Head-Kidney. By Swale Vincent, M.B.Lond., Demonstrator of Physiology and Assistant Lecturer on Histology, Mason College, Birmingham. (With 6 Plates.)

A Supplementary Report on the Crustaceans of the Group *Myodocopa* obtained during the 'Challenger' Expedition, with Notes on other new or imperfectly known Species. By G. Stewardson Brady, M.B., LL.D., F.R.S. (With 3 Plates.)

VOL. XIV. PART IV. (October 1897).

A Revision of the Oriental *Hesperiidæ*. By H. J. Elwes, F.R.S., F.L.S., F.Z.S., and James Edwards, F.E.S. (With 10 Plates.)

The following part of the 'Transactions' has been published since the commencement of the present year :—

VOL. XIV. PART V. (February 1898).

On the Morphology of the Skull in the Paraguayan *Lepidosiren* and in other Dipnoids. By Professor T. W. Bridge, Sc.D., F.Z.S., Mason College, Birmingham. (With 2 Plates.)

Four other papers, of which the titles are subjoined, have been ordered by the Committee of Publication to be printed in the 'Transactions,' and will be proceeded with without delay :—

1. On the Mammals obtained by Mr. John Whitehead during his recent Expedition to the Philippines. By Oldfield Thomas; with Field-notes by the Collector. (Read June 15, 1897.)

2. On the *Lepidosiren* of the Amazons; being Notes on five specimens obtained between 1895-97, and Remarks upon an example living in the Pará Museum. By Dr. Emil A. Goeldi, C.M.Z.S., Director of the Pará Museum. (Read Dec. 14, 1897.)

3. On a Collection of Fishes from the Rio Jurua, Brazil. By G. A. Boulenger, F.R.S., F.Z.S. (Read Feb. 1, 1898.)

4. On New or Imperfectly known Species of *Ostracoda*, chiefly from New Zealand. By G. Stewardson Brady, M.B., LL.D., F.R.S. (Read March 15, 1898.)

c. *Zoological Record*.

The 33rd volume of the 'Zoological Record' (which contains a summary of the work done by zoologists all over the world in 1896), edited by Dr. David Sharp, F.R.S., was published and issued to subscribers on November 18th, 1897.

d. *Institutions in receipt of the Society's Publications.*

The following is a list of the Institutions in various parts of the world to which copies of the Society's Publications are presented:—

AFRICA.

The South-African Museum, Cape Town.
The Museum, Durban, Natal.

AMERICA, SOUTH.

The National Museum, Buenos Ayres.
The Museum of Natural History, Santiago, Chili.
The Museum of La Plata, La Plata, Argentine Republic.

AUSTRALASIA.

The Royal Society of Tasmania, Hobart.
The Zoological and Acclimatization Society of Victoria, Melbourne.
The Linnean Society of New South Wales, Sydney.
The Royal Society of New South Wales, Sydney.
The New Zealand Institute, Wellington.

AUSTRIA.

The Imperial Academy of Sciences, Vienna.
The Zoological and Botanical Society, Vienna.

BELGIUM.

The Entomological Society of Belgium, Brussels.
The Malacological Society of Belgium, Brussels.
The Royal Academy of Sciences, Brussels.
The Royal Museum of Natural History, Brussels.

BRITISH INDIA.

The Asiatic Society of Bengal, Calcutta.
The Geological Survey of India, Calcutta.
The Indian Museum, Calcutta.

CANADA (DOMINION OF).

The McGill College, Montreal.
The Geological Survey of Canada, Ottawa.
The University of Toronto, Toronto.

CHINA.

The China Branch of the Royal Asiatic Society, Shanghai.

EAST INDIES.

The Royal Society of the Dutch East Indies, Batavia.

FRANCE.

The Linnean Society of Normandy, Caen.
 The Agricultural Society, Lyons.
 The Entomological Society of France, Paris.
 The Museum of Natural History, Paris.
 The National Society of Acclimatization, Paris.
 The Zoological Society of France, Paris.

GERMANY.

The Royal Prussian Academy of Sciences, Berlin.
 The Society of Friends of Natural History, Berlin.
 The Natural-History Union for Rhineland and Westphalia, Bonn.
 The Senckenbergian Society, Frankfort-on-Main.
 The New Zoological Society, Frankfort-on-Main.
 The Royal Society of Sciences, Göttingen.
 The Imperial Leopoldino-Carolinian Academy of Naturalists,
 Halle.
 The Natural-History Society, Halle.
 The Natural-History Union, Hamburg.
 The Medical and Natural-History Society, Jena.
 The Royal Bavarian Academy of Sciences, Munich.
 The Union for Natural History of Würtemberg, Stuttgardt.

GREAT BRITAIN AND IRELAND.

The Belfast Natural History and Philosophical Society, Belfast.
 The Philosophical Society, Cambridge.
 The Royal Dublin Society, Dublin.
 The Royal Irish Academy, Dublin.
 The Geological Society, Dublin.
 The Royal Physical Society, Edinburgh.
 The Royal Society, Edinburgh.
 The Free Public Library and Museum, Liverpool.
 The Athenæum Club, London.
 The British Museum of Natural History, London.
 The Entomological Society, London.

- The Geological Society, London.
 The King's College Library, London.
 The Linnean Society, London.
 The London Institution.
 The Royal College of Physicians, London.
 The Royal College of Surgeons, London.
 The Royal Geographical Society, London.
 The Royal Institution, London.
 The Royal Society, London.
 The University College, London.
 The Literary and Philosophical Society, Manchester.
 The Owens College, Manchester.
 The Natural History Society, Newcastle-on-Tyne.
 The Plymouth Institution and Devon and Cornwall Natural
 History Society, Plymouth.
 The Marine Biological Laboratory, Plymouth.
 The Yorkshire Philosophical Society, York.

HOLLAND.

- The Royal Academy of Sciences, Amsterdam.
 The Royal Zoological Society, Amsterdam.
 The Dutch Society of Sciences, Haarlem.
 The Dutch Entomological Union, The Hague.
 The Royal Museum of the Netherlands, Leyden.

ITALY.

- The Royal Institute of Superior Studies, Florence.
 The Civic Museum of Natural History, Genoa.
 The Italian Society of Natural Sciences, Milan.
 The Zoological Station, Naples.
 The Royal Academy of the Lincei, Rome.
 The Royal Academy of Sciences, Turin.

JAPAN.

- The Science College of the Imperial University, Tokyo.

RUSSIA.

- The Society of Naturalists, Jurjeff (Dorpat).
 The Society of Sciences of Finland, Helsingfors.
 The Imperial Society of Naturalists, Moscow.
 The Entomological Society of Russia, St. Petersburg.
 The Imperial Academy of Sciences, St. Petersburg.

SCANDINAVIA.

- The Bergen Museum, Bergen.
- The Society of Sciences of Christiania, Christiania.
- The Royal Danish Society of Sciences, Copenhagen.
- The Royal Swedish Academy of Sciences, Stockholm.
- The Royal Academy of Sciences, Upsala.

SPAIN.

- The Royal Academy of Sciences, Madrid.

SWITZERLAND.

- The Philosophical and Natural-History Society, Geneva.
- The Vaud Society of Natural Sciences, Lausanne.
- The Society of Natural Sciences, Neuchâtel.
- The Natural-History Society, Zurich.

UNITED STATES OF AMERICA.

- The Boston Society of Natural History, Boston.
- The Museum of Comparative Zoology, Cambridge, Mass.
- The Field Columbian Museum, Chicago.
- The American Museum of Natural History, New York.
- The New-York Academy of Sciences, New York.
- The Academy of Natural Sciences, Philadelphia.
- The American Philosophical Society, Philadelphia.
- The American Entomological Society, Philadelphia.
- The Essex Institute, Salem, Mass.
- The Smithsonian Institution, Washington, D.C.
- The United-States Geological Survey, Washington, D.C.
- The United-States National Museum, Washington, D.C.

3. LIBRARY.

The Library, under the superintendence of Mr. F. H. Waterhouse, the Society's Librarian, was maintained in good order throughout the year and was much resorted to by working naturalists. Altogether 1386 visits were paid to it by Fellows and persons introduced by them. About 1350 volumes were borrowed from it under the usual regulations.

Many important additions to it were made during

the year, among which attention may be called to the following donations:—

- Albert, Prince of Monaco. Résultats des campagnes scientifiques accomplies sur son Yacht par Albert 1^{er} Prince Souverain de Monaco. Fasc. xi. 1896. Presented by Prince Albert 1st of Monaco.
- Foord and Crick. Catalogue of the Fossil Cephalopoda in the British Museum. Part iii. Presented by the Trustees of the British Museum.
- Grassi and Sandias. The Constitution and Development of the Society of Termites, 1897. Translated by W. F. H. Blandford, M.A., F.Z.S. Presented by the Translator.
- Haeckel. Die Amphorideen und Cystoideen. 1896. Presented by the Author.
- Haeckel. Natürliche Schöpfungs-Geschichte. 1898. Presented by the Author.
- Harris. Catalogue of Tertiary Mollusca in the British Museum. Part i. 1897. Presented by the Trustees of the British Museum.
- Hope Reports. Vol. i. 1893-97. Edited by Edward B. Poulton, M.A. Presented by the Editor.
- Johnston. British Central Africa. 1897. Presented by the Author.
- Marsh. The Dinosaurs of North America. 1896. Presented by the Author.
- Morphologisches Jahrbuch. Band xxv., Heft. 1-3. Presented by Prof. Carl Gegenbaur.
- Norske Nordhavs-Expedition, 1876-78. Parts xxiii. & xxiv. 1896-97. Presented by Prof. H. Mohn.
- Shufeldt. Chapters on the Natural History of the United States. Presented by Messrs. Studer Bros. (*Publishers*).

The following is a list of the principal zoological works in course of publication of which parts were purchased in 1897:—

- André. Species des Hyménoptères. Tome v. fasc. 58, 60; vii. fasc. 57, 59.
- Barrett. Lepidoptera of the British Islands. Parts xxxv.-xlvii.
- Bingham. Fauna of British India. (Hymenoptera.)
- Bronn's Thier-Reich. Band ii. Abth. ii. (*Cœlenterata*), Lief. 15-17; Band iii. (*Mollusca*), Lief. 26-34; Band iv. (*Vermes*), Lief. 50-55; Band vi. (*Säugethiere*), Lief. vi. Abth. v., Lief. 47-50.
- Ecker and Wiedersheim. Anatomie der Frosches. Aufl. ii. Abth. 2.
- Edwards. Butterflies of North America. Ser. 3. Parts xvii., xviii.
- Friese. Die Bienen Europa's. Theil iii.
- Godman and Salvin. Biologia Centrali-Americana. Zoology, Parts cxxxiii.-cxxxix.; Archæology, Parts viii., ix. Text and Plates.
- Grandidier. Histoire de Madagascar. Vol. xxxv. (*Plantes*), Tome v., Atlas iii., Part 5, Fasc. 42.
- Hansen. Zoologia Danica. Heft 10.
- Heyne. Die exotischen Käfer. Lief. 7-8.

- Kobelt. Rossmässler's Iconographie der europäischen Land- und Süßwasser-Mollusken. N. F. Band viii., Lief. 1, 2.
 Lee. Among British Birds. Parts iii.-viii.
 Leuckart and Chun. Bibliotheca Zoologica. Heft xii. Lief. 4; xx. Lief. 3; xxi. Nachtrag; xxii. Lief. 2; xxiii. Lief. 1, 2.
 Lilford. British Birds. Parts xxxiv., xxxv.
 Martini and Chemnitz. Conchylien-Cabinet. Lief. 425-432.
 Moore. Lepidoptera Indica. Parts 27-29.
 Naumann's Naturgeschichte der Vögel Deutschlands. Lief. 5-22.
 Nehrling. North-American Birds. Part xvi.
 Plankton-Expedition. Die Brachiopoden, von H. Simroth.
 Revue Suisse de Zoologie. Tome iv. Fasc. 3; v. Fasc. 1, 2.
 Rothschild. Novitates Zoologicae. Vol. iv.
 Russ. Fremdlandische Stubenvögel. Band ii. Lief. 15-17.
 Sacco. I Molluschi dei Terreni terziarii del Piemonte e della Liguria. Parts xx.-xxiii.
 Sars. Crustacea of Norway. Vol. ii. Parts 1-8.
 Selater and Thomas. Book of Antelopes. Parts viii.-ix.
 Semper. Reisen im Archipel der Philippinen. Theil 2, Band vii., Lief. 1.
 Sharpe. Monograph of the *Paradiseidae*. Part vii.
 Smith and Kirby. Rhopalocera Exotica. Parts xxxix.-xlii.
 Taylor. Land and Freshwater Mollusca of the British Islands. Part iv.
 Thomson. Opuscula Entomologica. Fasc. xxii.
 Torre. Catalogus Hymenopterorum. Vol. viii.
 Trouessart. Catalogus Mammalium. Fasc. i.-iii.
 Tryon. Manual of Conchology. Parts l xv., l xvi.

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

- Baldaque da Silva. Estado Actual das Pescas em Portugal. Royal 8vo. Lisboa, 1892.
 Blaauw. Monograph of the Cranes. Folio. Leiden and London, 1897.
 Broinowski. The Birds of Australia. 6 vols. Folio. Melbourne, Sydney, &c., 1890-91.
 Brunner von Wattenwyl. Observations on the Coloration of Insects. Translated by E. J. Bles. Folio. Leipzig, 1897.
 Busch. Beobachtungen über Anatomie und Entwicklung einiger wirbellosen Seethiere. 4to. Berlin, 1851.
 Dürigen. Deutschlands Amphibien und Reptilien. Royal 8vo. Magdeburg, 1897.
 Eimer. Orthogenesis der Schmetterlinge. 8vo. Leipzig, 1897.
 Elliot. The Gallinaceous Game Birds of North America. 8vo. London, 1897.
 Friderech. Naturgeschichte der Deutschen Vögel. Royal 8vo. Stuttgart, 1891.
 Gegenbaur. Festschrift zum siebenzigsten Geburtstage von. Vol. iii. 4to. Leipzig, 1897.
 Hallez. Embryogénie des Dendrocœles d'eau douce. 8vo. Paris, 1887.

- Hansen. The Choniostomatidæ, a Family of Copepoda. 4to. Copenhagen, 1897.
- Hasse. Researches on Mimicry on the basis of a Natural Classification of the Papilionidæ. 4to. Stuttgart, 1896.
- Henneguy. Leçons sur la Cellule. Royal 8vo. Paris, 1896.
- Hurdis. Natural History of Bermudas. 8vo. London, 1897.
- Kearton. With Nature and a Camera. 8vo. London, 1897.
- Kent. The Naturalist in Australia. 4to. London, 1897.
- Landbeck. Systematische Aufzählung der Vögel Württembergs. 8vo. Stuttgart, 1834.
- McIntosh and Masterman. The Life-Histories of British Marine Food-Fishes. 8vo. London, 1897.
- Macpherson. A History of Fowling. 8vo. Edinburgh, 1897.
- Millais. British Deer and their Horns. Folio. London, 1897.
- Nansen. Farthest North. 2 vols. 8vo. London, 1897.
- Reuter. Hémiptères Gymnocérates d'Europe. Vol. v. 4to. Helsingfors, 1896.
- Suchetet. Des Hybrides à l'État Sauvage. I. (Oiseaux). Royal 8vo. Lille, 1896.
- Thienemann. Systematische Darstellung der Fortpflanzung der Vögel Europa's. 4to. Leipzig, 1838.
- Thompson. Studies in the Art Anatomy of Animals. Folio. London, 1896.

The following is a list of the periodicals received in 1897 from the various Societies and Institutions with which this Society is in correspondence.

AFRICA.

The South-African Philosophical Society, Cape Town.

Transactions, vol. iv., parts 1, 2; vii., part 2; ix., part 1; x., part 1.

AMERICA (NORTH).

The American Academy of Arts and Sciences, Boston.

Proceedings, vol. xxxii.; xxxiii., nos. 1-4.
Memoirs, vol. xii., nos. 2, 3.

The Boston Society of Natural History, Boston.

Proceedings, vol. xxvii., nos. 2-14; xxviii., nos. 1-5.

The Indiana Academy of Science, Brookville.

Proceedings, 1894-95.

**The Museum of Comparative Zoölogy, Harvard College,
Cambridge, Mass.**

Memoirs, vol. xix., no. 2 ; xx., xxi., xxiii., no. 1.
Bulletin, vol. xxx., nos. 4-6 ; xxxi., nos. 1-4.

The Chicago Academy of Sciences, Chicago.

Annual Report, 1896.

The Field Columbian Museum, Chicago.

Botanical Series, vol. i., no. 3.
Ornithological Series, vol. i., no. 2.
Zoological Series, vol. i., nos. 3-5.

The Nova-Scotian Institute of Science, Halifax.

Proceedings and Transactions, ser. 2, vol. ii., part 2.

The "Antonio Alzate" Scientific Society, Mexico.

Memorias y Revista, tomo x., nos. 1-4.

The Royal Society of Canada, Montreal.

Proceedings and Transactions, ser. 2, vol. ii.

The American Museum of Natural History, New York.

Bulletin, vol. viii. ; vol. ix. pp. 1-324.
Annual Report, 1896.

The New York Academy of Sciences, New York.

Annals, vol. ix., nos. 4-12.
Transactions, vol. xv.

The Geological Survey of Canada, Ottawa.

Annual Report, vol. viii.

The Illinois State Laboratory of Natural History, Peoria.

Bulletin, vol. iy., article 14 ; v., article 2.

The Academy of Natural Sciences, Philadelphia.

Journal, ser. 2, vol. x., part 4 ; xi., part 1.
Proceedings, 1896, parts 2, 3 ; 1897, part 1.
Entomological News, vol. viii.

The American Entomological Society, Philadelphia.

Transactions, vol. xxiv., nos. 1-3.

The American Philosophical Society, Philadelphia.

Proceedings, vol. xxxv., nos. 152, 153; xxxvi., nos. 154, 155.

Transactions, n. s., vol. xix., part 1.

The Franklin Institute, Philadelphia.

Journal, 1897.

The Portland Society of Natural History, Portland.

Proceedings, vol. ii., part 4.

The American Association for the Advancement of Science, Salem.

Proceedings, 45th Meeting, Buffalo, New York.

The Biological Society, Washington.

Proceedings, vol. x., pp. 135-181; vol. xi., pp. 1-240.

The Philosophical Society of Washington.

Bulletin, vol. xii.

The Smithsonian Institution, Washington.

Smithsonian Miscellaneous Collections, nos. 1035, 1038, 1039, 1071-1073, 1075, 1077.

Annual Reports, 1894-95.

The United States Fish Commission, Washington.

Bulletin, vol. xvi.

Report, ending June 1893 (1895), 1894 (1896), 1895 (1896).

The United States Geological Survey, Washington.

Bulletin, nos. 87, 127, 130, 135-148.

Annual Report, 17th.

The United States National Museum, Washington.

Proceedings, vol. xviii.

Bulletin, nos. 47, 49.

**The United States Department of Agriculture, Washington.
(Division of Ornithology and Mammalogy.)**

North American Fauna, no. 13.

(Division of Entomology.)

Bulletin, New Series, nos. 7-9.

Technical Series, nos. 5-7.

Insect Life, vol. vii., no. 5. General Index, 1888-95.

Year-book, 1896.

AMERICA (SOUTH).

The National Museum of Buenos Ayres.

Anales, Tomo v.
Memoria, 1894-96.

The National Academy of Sciences, Cordova.

Boletin, tomo xv., Entr. 1-3.

**The Royal Agricultural and Commercial Society of
British Guiana, George Town.**

Timehri, n. s., vol. x., part 2 ; xi., part 1.

The Museum of La Plata.

Revista, tomo vii., part 2.
Anales (Anthropology), tomo i. (Paleontologia Argentina) ;
tomo iv.

The Scientific Society of Chili, Santiago.

Actes, tome v., livr. 5 ; vi., livr. 2-5 ; vii., livr. 2, 3.

AUSTRALIAN COLONIES.

The Royal Society of South Australia, Adelaide.

Transactions, vol. xx., part 2 ; xxi., part 1.

The Linnean Society of New South Wales, Sydney.

Proceedings, vol. xxi., part 4 ; xxii., parts 1, 2.

The Royal Society of New South Wales, Sydney.

Journal and Proceedings, vol. xxx.

The New-Zealand Institute, Wellington.

Transactions and Proceedings, vol. xxix.
The Maori Art, part 1.

AUSTRIA.

The Academy of the University, Cracow.

Bulletin, 1897, nos. 1-8.
Proceedings, vol. xxxi.

The Imperial Academy of Sciences, Vienna.

Denkschriften, Band lxiii.
Sitzungsberichte, Band cv., Heft. 1-10.

The Zoological and Botanical Society, Vienna.

Verhandlungen, Band xlvii., Heft. 1-9.

BELGIUM.**The Entomological Society of Belgium, Brussels.**

Annales, tome xl.

The Royal Academy of Sciences, Letters, and Fine Arts, Brussels.

Mémoires couronnés (4to), tome liv.
— — (8vo), tome xlvi., xlvii., lvi., lvii., lviii., liv.
Bulletin, tome xxx.-xxxiii.
Annuaire, 1895-96.

EAST INDIES.**The Royal Society of the Dutch East Indies, Batavia.**

Natuurkundig Tijdschrift, deel lvi.

The Bombay Natural-History Society, Bombay.

Journal, vol. x., no. 4; xi., nos. 1, 2.

The Asiatic Society of Bengal, Calcutta.

Proceedings, 1896, nos. 6-10.
Journal, vol. lxx., part 2, nos. 3, 4; part 3, no. 1, special number;
lxxi., part 2, no. 1.

The Geological Survey of India, Calcutta.

Records, vol. xxx., parts 1-3.
Memoirs, vols. xxv., xxvi.
Memoirs (Palæontologia Indica), ser. 16, vol. i., part 1.

The Indian Museum, Calcutta.

Illustrations of the Zoology of the Royal Indian Marine
Surveying Steamer 'Investigator.' Crustacea, part 4.
Catalogue of Books in the Library; Suppl. ii., 1891-95.

The Royal Asiatic Society, Ceylon Branch, Colombo.

Journal, vol. xiv., no. 47.

FRANCE.

The Linnean Society of Normandy, Caen.

Bulletin, sér. 4, tome x., fasc. 1, 2.

The Museum of Natural History, Paris.Nouvelles Archives, sér. 3, tome viii., fasc. 1, 2.
Bulletin, 1896, nos. 7, 8; 1897, nos. 1-3.**The National Society of Acclimatation, Paris.**

Bulletin, 1897, Jan.-Oct.

The Philomathic Society, Paris.

Bulletin, sér. 8, tome viii., nos. 1-4; ix., no. 1.

The Zoological Society of France, Paris.Mémoires, tome ix., parts 1-3; x., parts 1, 2.
Bulletin, tome xxi., no. 9; xxii., nos. 1-7.

GERMANY.

The Royal Prussian Academy of Sciences, Berlin.Sitzungsberichte, 1896, nos. 40-53; 1897, nos. 1-39.
Abhandlungen, 1896.**The Society of Friends of Natural History, Berlin.**

Sitzungs-Berichte, 1896.

**The Natural History Union of Rhineland and Westphalia,
Bonn.**Verhandlungen, Jahrg. liii., Hälfte 2; liv., Hälfte 1.
Sitzungsberichte, 1896, Hälfte 2; 1897, Hälfte 1.**The German Malacological Society, Frankfort-on-Main.**

Nachrichtsblatt, Band xxix., nos. 1-10.

The New Zoological Society, Frankfort-on-Main.

Der Zoologische Garten, Jahr. xxxviii.

**The Senckenbergian Natural History Society, Frankfort-
on-Main.**Abhandlungen, Band xx., Heft 1; xxii., xxiii.
Bericht, 1897.

The Royal Society of Sciences, Göttingen.

Nachrichten (Mathematisch-physikl. Klasse), 1897, Heft. 1, 2;
(Geschäftliche Mittheilungen), 1897, Heft 1.

The Imperial Leopoldino-Carolinian Academy of Naturalists, Halle.

Nova Acta, Bänd. lix.-lxvii.
Leopoldina, Heft. xxix.-xxxii.
Katalog der Bibliothek, Lief. 5-7.

The Natural Science Union, Hamburg.

Abhandlungen, Band xxv.
Verhandlungen, 3 Folge, Band iv.

The Medical and Natural-History Society, Jena.

Jenaische Zeitschrift, Band xxxi., Heft. 1, 2.
Denkschriften, Band v., Lief. 4, 5; viii., Lief. 3.

The Metz Academy, Metz.

Mémoires, ann. lxxvii.

The Royal Bavarian Academy of Sciences, Munich.

Sitzungsberichte, 1896, Heft. 3, 4; 1897, Heft. 1, 2.

The Westphalian Provincial Union of Science and Art, Münster.

Jahres-Bericht, 1896-97.

The Natural-History Union, Würtemberg.

Jahreshefte, Jahrg. liii.

GREAT BRITAIN AND IRELAND.**The Philosophical Society, Cambridge.**

Proceedings, vol. ix., parts 5, 6.
Transactions, vol. xvi., part 2.

The Royal Irish Academy, Dublin.

Proceedings, ser. 3, vol. iv., nos. 1-3.

The Royal Physical Society, Edinburgh.

Proceedings, Session cxxv. (1896).

The Royal Society, Edinburgh.

Proceedings, vol. xxi., nos. 3-5.

The Scottish Microscopical Society, Edinburgh.

Proceedings, Session 1895-96.

The Hertfordshire Natural-History Society, Hertford.

Transactions, vol. ix., part 4.

**The British Association for the Advancement of Science,
London.**

Report, 66th Meeting, Liverpool, 1896.

The British Ornithologists' Club, London.

Bulletin, nos. xxxiv.-xlvi.

The Entomological Society, London.

Transactions, 1896, part 5; 1897, parts 1-4.

The Geological Society, London.

Quarterly Journal, vol. liii., parts 1-3.
Geological Literature added to the Library, 1896.

The Linnean Society, London.

Journal (Zoology), vol. xxv., no. 165; xxvi., nos. 166-168.
— (Botany), vol. xxxi., no. 219; xxxii., nos. 228-230.
Transactions (Botany), ser. 2, vol. v., parts 5, 6.
— (Zoology), ser. 2, vol. vi., nos. 7, 8; vii., nos. 1-3.
Proceedings, Nov. 1896 to June 1897.

**The South London Entomological and Natural History
Society, London.**

Abstract of Proceedings, 1896.

The Royal Agricultural Society of England, London.

Journal, ser. 3, vol. viii.

The Royal Gardens, Kew, London.

Bulletin, 1897, nos. 120-130, App. i.-iii.

The Royal Geographical Society, London.

The Geographical Journal, vols. ix., x.

The Royal Institution of Great Britain, London.

Proceedings, vol. xv., part 1.

The Royal Society, London.

Proceedings, vol. lx., nos. 365-367; lxi., 368-381.
Year-book, 1896-97.

The Royal United Service Institution, London.

Journal, 1897.

The Royal Society of Literature, London.

Transactions, ser. 2, vol. xviii., part 2.

The Selborne Society, London.

Nature Notes, nos. 85-96.

The Society of Arts, London.

Journal, 1897.

The Literary and Philosophical Society, Manchester.

Memoirs and Proceedings, ser. 4, vol. xi., nos. 2-4.

The Marine Biological Association, Plymouth.

Journal, n. s., vol. iv., no. 4; v., no. 1.

**The Plymouth Institution and Devon and Cornwall
Natural-History Society, Plymouth.**

Annual Report and Transactions, vol. xii., part 3.

The Yorkshire Philosophical Society, York.

Annual Report, 1896.

HOLLAND.**The Royal Academy of Sciences, Amsterdam.**

Verhandelingen, sect. 2, Deel v., nos. 4-10.
Verslagen der Zittingen, Deel v., 1897.
Jaarboek, 1896.

The Dutch Society of Sciences, Haarlem.

Archives Néerlandaises, tome xxx., livr. 4, 5; sér. (2), tome i.,
livr. 1-3.

The Entomological Society of the Netherlands, The Hague.

Tijdschrift voor Entomologie, Deel xxxix., Afl. 3-4; xl., Afl. 1-2.

The Museum of Natural History, Leyden.

Notes, vol. xviii., nos. 2-4; xix., nos. 1-2.

ITALY.

The National Central Library, Florence.

Bollettino, 1897, num. 265-288.

The Natural-History Museum, Genoa.

Annali, ser. 2, vol. xvii.

The Italian Society of Natural Science, Milan.

Atti, vol. xxxvii., fasc. 1.

The Zoological Station, Naples.

Mittheilungen, Band xii., Heft 4.

The Royal Academy of the Lincei, Rome.

Atti, Rendiconti, ser. 5, vol. vi. (sem. 1), fasc. 1-12; (sem. 2) fasc. 1-12.

The Museum of Zoology and Comparative Anatomy of the Royal University, Turin.

Bollettino, vol. xi., nos. 260-267; xii., nos. 268-304.

The Royal Academy of Sciences, Turin.

Atti, vol. xxxii., disp. 1-15.
Memorie, ser. 2, vol. xlvii.

JAPAN.

The Imperial University, Tōkyō.

Journal of the College of Science, vol. ix., part 2.

The German East-Asian Society of Natural History and Folk-lore, Tōkyō.

Mittheilungen, Heft. 58, 59.

The Zoological Society of Tōkyō.

Zoological Magazine, vol. viii., nos. 97-98 ; ix., no. 99.
Annotationes, vol. i., parts 1-4.

PORTUGAL.**The Royal Academy of Sciences, Lisbon.**

Jornal, ser. 2, tomo iv., nos. 15, 16 ; v., no. 17

RUSSIA.**The Natural-History Society, Dorpat.**

Sitzungsberichte, Band xi., Heft 2.
Archiv, Band xi., Lief. 2.

The Society of Sciences of Finland, Helsingfors.

Öfversigt, vol. xxxviii.
Nova Acta, vol. xxi.

The Imperial Society of Naturalists, Moscow.

Bulletin, 1896, nos. 3, 4 ; 1897, no. 1.

The Entomological Society of Russia, St. Petersburg.

Horæ, tome xxx., nos. 3, 4 ; xxxi., nos. 1, 2.

The Royal Academy of Sciences, St. Petersburg.

Mémoires, sér. 8, tome iii., no. 8 ; iv., no. 3 ; v., nos. 3, 4.
Bulletin, sér. 5, tome v., nos. 2-5 ; vi., nos. 1-5 ; vii., no. 1.

SCANDINAVIA.**The Bergen Museum, Bergen.**

Naturen, 1897, nos. 1-12.

The Society of Sciences, Christiania.

Forhandlingar, 1895, 1896.
Skrifter, 1895 (1896) ; 1896 (1897).

The Natural-History Society, Copenhagen.

Videnskabelige Meddelelser, aarat 1896.

The Royal Danish Society of Sciences, Copenhagen.

Oversigt, 1896, no. 6; 1897, nos. 1-5.
Skriften (Mémoires), viii., nos. 3-5.

The Royal Swedish Academy of Sciences, Stockholm.

Öfversigt, Arg. 53 (1897).
Handlingar, N. F., vol. xxviii.
Bihang, vol. xxii.

The Royal Society of Sciences, Upsala.

Nova Acta, ser. 3, vol. xvii., fasc. 1.

SPAIN.**The Royal Academy of Sciences, Madrid.**

Anuario, 1897.

SWITZERLAND.**The Physical and Natural-History Society, Geneva.**

Mémoires, tome xxxii., part 2.

The Vaud Society of Natural Sciences, Lausanne.

Bulletin, sér. 4, vol. xxxiii., nos. 122-125.

The Natural-History Society, Zurich.

Vierteljahrschrift, Jahr. xli., Heft. 1, 2.

WEST INDIES.**The Institute of Jamaica, Kingston.**

Annals, vol. i., no. 1.
Journal, vol. ii., no. 4.

Donations, Memoirs, and Papers have also been received from :—Lt.-Col. H. E. Adamson ; The Board of Agriculture ; J. A. Allen, Esq. ; Dr. F. Ameghino ; the

Editors of the 'American Journal of Science'; the Editors of the 'Athenæum'; the Australian Museum; the Avicultural Society; Dr. C. Berg; the Bergen Museum; Prof. Antonio Berlese; Dr. Eduardo Boscá; the British Museum; the British Ornithologists' Club; H. H. Brown, Esq.; Walter Burton, Esq.; Prof. G. Canestrini; Dr. R. Collett; the National Museum, Costa Rica; the East India Association; the Field Columbian Museum; Dr. E. A. Goeldi; P. H. Grimshaw, Esq.; G. K. Gude, Esq.; R. J. L. Guppy, Esq.; Dr. E. Hamilton; Dr. G. D. Haviland; Dr. L. O. Howard; the India Museum; the India Office; Prof. Gustav Jaeger; the Institute of Jamaica; Dr. A. Kölliker; S. P. Langley, Esq.; the Madras Government; the Manchester Museum; Prof. O. C. Marsh; Prof. G. Martorelli; Dr. Mario Migneco; Prof. H. Möhn; Dr. J. Murie; the Editor of 'Nature'; the New York Zoological Society; A. J. North, Esq.; Miss Maria M. Ogilvie; the Zoological Society of Philadelphia; Dr. R. A. Philippi; J. D. Potter, Esq.; Dr. J. P. Pražák; the Editor of the 'Revista de Ciencias Naturales e Sociales'; the Editors of the 'Revue Britannique'; the Zoological Museum of St. Petersburg; Howard Saunders, Esq.; the Editor of 'Science Gossip'; P. L. Sclater, Esq.; W. L. Sclater, Esq.; C. Davies Sherborn, Esq.; Dr. R. W. Shufeldt; the South African Museum; Prof. Michael Stossich; E. R. Sykes, Esq.; Dr. J. H. Thornton; U. S. Department of Agriculture; the Zoological and Acclimatisation Society of Victoria; A. Smith Woodward, Esq.

III. GARDENS, REGENT'S PARK.

1. NEW BUILDINGS.

The principal new building carried out in the Society's Gardens in 1897 was the new Ostrich and Crane-house, which was commenced in the autumn of 1896 and finished in March last year. Full particulars concerning the nature and objects of this building were given to the Society in the last Report of the Council, and it is only necessary now to add that the final balance due to the Contractors for its

erection (£1188 6s. 6d.) was paid to them in 1897 and charged to Extraordinary Expenditure.

During the past summer also a new Glass-house for reception of the Society's collection of Tortoises has been built adjoining the Reptile-house at a total cost of £464 14s. 8d., and likewise charged to Extraordinary Expenditure. This amount, however, has now been lessened by the sum of £150 which the Hon. Walter Rothschild, F.Z.S., who is especially interested in these animals, has kindly contributed towards it. The removal of the Tortoises into their new house, which seems in every way adapted for their requirements, enables the Public to view them with much greater facility than was the case in the building formerly allotted to them on the other side of the Gardens. It is also of great advantage to have the whole of the specimens of living Reptiles and Batrachians placed under the same care and arranged in the same part of the Gardens.

A third new building erected in the Gardens during the past year, and recently opened to the Public, is a new Lavatory which has been built near the Refreshment-rooms, specially for the accommodation of visitors resorting to that Department of the Gardens. This has been let to the Contractors for the Refreshment Department, and, with certain restrictions, is under their control and management. The cost of the new Lavatory was £350 8s. 7d., which has likewise been charged to the Extraordinary Expenditure of the past year.

2. WORKS AND REPAIRS.

Besides the new buildings above mentioned, a great number of smaller works, repairs, and renewals were carried out during the year 1897 by the Society's Staff of Workmen, under the charge of the Clerk of the Works.

The Reptile-house was painted outside; the cages inside were also cleaned and painted, and the back-passages cleaned. The Lion-house was painted outside. The Head Keeper's Lodge was cleaned and painted outside. The three Entrance Lodges were all repaired and painted externally. The Superintendent's Offices were improved, repaired, and painted. The woodwork of the Wapiti-Deer Sheds was repaired, and the sheds were re-painted.

The Clock-tower of the Camel-house was repaired and re-decorated, and the vanes were re-gilded. The roof of the Camel-house was re-tiled and the whole building was painted. A new wire roof was put upon the Argus-Pheasant's Aviary. A further portion of the high wire fence between the Gardens and the Regent's Park was renewed. Besides these various smaller repairs and renewals were carried out, and many of the numerous walks and paths throughout the gardens were re-laid and re-gravelled.

3. STAFF.

Since the last Anniversary a serious loss has been caused to the Society's Staff by the death, on the 7th of May last year, of Mr. Abraham Dee Bartlett, for 38 years Superintendent of the Society's Gardens. In the report made to the General Meeting on the 19th of May last, the Council have already recorded their deep sense of the services rendered to the Society by the late Mr. Bartlett during the long period for which he held his post, and of their full appreciation of the skill, energy, and faithfulness with which he discharged the multifarious and difficult duties of his office. On the present occasion the Council can do no more than repeat the sentiments expressed on that occasion, which they are sure will be fully concurred in by all the Fellows of the Society.

In filling up the post thus made vacant the Council could not ignore the claims of the late Mr. Bartlett's second son, Mr. Clarence Bartlett, who had been in the Society's service for thirty-six years, and during the last twenty-five years had acted as Assistant-Superintendent and Clerk of the Works. As might be supposed, Mr. Clarence Bartlett was fully acquainted with all details of the business connected with the office of Superintendent, and quite competent to discharge them. In doing this he will receive the able assistance of Mr. Arthur Thomson, the Head Keeper, who is second in command of the Society's Garden Staff.

Besides the Superintendent and Head Keeper the Staff, as at present constituted, consists of twenty-three Keepers, three Money-takers, a Store-keeper, a Prosector's Assistant, a Head Gardener, and a Clerk of the Works—

altogether 32 persons, employed at monthly salaries. In addition to these there are 19 Helpers in the Menagerie, 12 Garden-labourers, 9 Artisans, 9 Painters, 15 Labourers, 3 Butchers, 1 Cook, 2 Firemen, 2 Night-Watchmen, 1 Time-keeper, 1 Clerk, and 2 Messengers, employed at weekly wages; so that the number of the whole staff may be reckoned at about 108.

4. VISITORS.

The total number of Visitors to the Society's Gardens in 1897 (as will be seen by the subjoined table) was 717,755, showing an increase of 52,751 as compared with the corresponding number in 1896. As already observed, the Diamond Jubilee, as well as the fine weather, no doubt combined to contribute to this result. No such large number of visitors has entered the Society's Gates since the year 1884.

Visitors to the Gardens, 1897.

	1897.	1896.	Comparison.
Fellows and Friends	176,958	173,513	Incr. 3,445
{ On ordinary days at 1s. each.	167,962	156,065	Incr. 11,897
{ On Mondays and other	302,001	251,182	Incr. 50,819
{ days at 6d. each			
{ Children under 12 years at	49,141	59,729	Decr. 10,588
{ 6d. each	21,693	24,515	Decr. 2,822
School Children (admitted free).....			
	717,755	665,004	Incr. 52,751

The following Table gives a statement of the Number of Visitors to the Society's Gardens in every year since they were opened in 1828 :—

Number of Visitors to the Gardens, 1828-97.

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

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

‡ Year of the exhibition of the Prince of Wales's Indian Menagerie.

5. PROSECTOR'S DEPARTMENT.

The Society's Prosector (Mr. F. E. Beddard, M.A., F.R.S.) reports as follows:—

The total number of deaths of animals in the Gardens

during the year 1897 was 1196 as against 986 in 1896. This increase of 210 is chiefly due to the large number of small reptiles received during the year. The number of important deaths has been rather larger than usual. No less than six anthropoid Apes have died, viz., a Chimpanzee, two Orangs, and three Hoolock Gibbons. Among the larger Carnivora there have been also some losses. A young Tiger, two Cheetahs, two young Lions, and the Snow Leopard are among the most important of these. As an instance of longevity in confinement may be mentioned the Amphiuma, which was acquired in 1870, having thus lived 27 years in the Gardens. A Reticulated Python, which was supposed to be the largest ever exhibited, had been at the time of its death 20 years in the Gardens. Two Burchell's Zebras, mother and foal, a White-bellied Pangolin, an Apteryx, and a Hyrax complete the list of the more noteworthy deaths during the year.

The Laboratory has been used for purposes of research by Mr. P. Chalmers Mitchell, F.Z.S. Material has been supplied to Dr. Keith, Mr. Pycraft, Dr. Gladstone of the Middlesex Hospital, and to Prof. Gustav Retzius of Stockholm.

The Prosector has made the following contributions to the Society's 'Proceedings' during the year:—

“Notes upon the Anatomy of a Manatee (*Manatus inunguis*) lately living in the Society's Gardens.” P. Z. S. 1897, part i.

“Notes upon the Anatomy of *Phaëton*.” P. Z. S. 1897, part i.

“On a Collection of Earthworms from South Africa belonging to the Genus *Acanthodrilus*.” P. Z. S. 1897, part ii.

“Note upon Intercentra in the Vertebral Column of Birds.” P. Z. S. 1897, part iii.

6. ZOOLOGICAL LECTURES.

A Course of Ten popular Lectures on Amphibians and Reptiles is now being delivered in the Lecture-room in the Society's Gardens, Regent's Park, on Thursdays at 5 P.M., having commenced on April 21st, by Mr. F. E. BEDDARD, M.A., F.R.S., Prosector to the Society. Tickets for the whole Course, including Entrance to the Gardens, 10s. each, or 1s. each Lecture, not including Entrance, can be obtained on application to the Secretary, 3 Hanover Square, W.;

the Shilling Tickets can also be had of the Clerk at the Kiosk in the Gardens. Fellows are admitted free.

SYLLABUS.

LECTURE I.—April 21st.

The General Structure of the Amphibia.—Their relationship to the underlying group of Fishes. The Australian Ceratodus, the American Lepidosiren, and the African Protopterus form a group of Fishes (Dipnoi) which are annectant between Fishes and Amphibia; hence the inclusion of both in an Order Ichthyopsida.

LECTURE II.—April 28th.

The Classification of Existing Amphibia.—They are divisible into three groups—Anura (Frogs and Toads), Urodela (Newts and Salamanders), and Gymnophiona. The chief characteristics of these three groups. The life-history of the Common Frog.

LECTURE III.—May 5th.

A Survey of some of the more important Types of Amphibia.—The main facts in their distribution; the prevalence of the Urodela in the northern hemisphere; the absence of Amphibia from Oceanic Islands. Extinct Amphibians; the Labyrinthodonts.

LECTURE IV.—May 12th.

The General Characters of the Order Reptilia.—They are to be distinguished from the Amphibia by the fact that they never pass through a larval stage with branchiæ. Other important facts of structure show that their former association with Amphibia was erroneous.

LECTURE V.—May 19th.

The Existing Groups of Reptilia.—They are divisible into—Squamata (Lizards and Snakes), Rhynchocephalia (the genus *Hatteria*), Chelonia (Tortoises and Turtles), and Crocodilia (Crocodiles and Alligators). The chief characters of these groups.

LECTURE VI.—May 26th.

Poisonous and Non-poisonous Snakes.—The poisonous Lizard *Heloderma*. Sea-Snakes and “Sea-Serpents.” The extinct Pythonomorpha as a connecting-link between Lizards and Snakes.

LECTURE VII.—June 2nd.

The Colours of Lizards in relation to their surroundings.—Green Tree-Lizards and Green Tree-Snakes. The changes of colour of the Chamæleon and other Lizards. The “warning colours” of the Heloderm. Mimicry among Snakes.

LECTURE VIII.—June 9th.

The Hatteria as the last surviving representative of an Extinct Race.—Its limitation in range to the New Zealand province. The characters and distribution of the Crocodiles. The group Chelonia. The giant Tortoises of the Galapagos and some other islands.

LECTURE IX.—June 16th.

The Extinct Reptilia of the Orders Plesiosauria and Ichthyosauria.—The superficial similarity of the latter (by adaptation) to Whales. The influence of surrounding conditions upon external and internal structure.

LECTURE X.—June 23rd.

The Extinct Pterodactyles and their likeness to Birds.—The Dinosauria and their greater affinities with Birds. This is mainly shown in the structure of the hind limb and in the aeration of the bones. The Theromorpha as the possible ancestors of the Mammalia.

7. MENAGERIE.

a. *Additions to the Menagerie in 1897.*

The number of animals belonging to the first three classes of Vertebrates living in the Society's Menagerie at the close of 1897 was 2585. The corresponding number on the 31st of December, 1896, was 2473, as will be seen by the following Table:—

	December 31.		Comparison.
	1897.	1896.	
Mammals.....	792	902	Decr. 110
Birds	1,362	1,132	Incr. 230
Reptiles	431	439	Decr. 8
	2,585	2,473	Incr. 112

The total number of registered additions to the Menagerie in 1897 was 1508, of which 688 were acquired by presentation, 278 by purchase, 104 were bred in the Gardens, 330 were received on deposit, and 108 obtained in exchange.

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

	Presented.	Purchased.	Born.	Deposited.	Received in Exchange.	Total.
1877.	506	324	181	181	68	1260
1878.	511	272	150	178	71	1182
1879.	550	421	115	124	56	1266
1880.	624	515	148	161	40	1488
1881.	565	310	167	136	35	1213
1882.	772	402	113	111	25	1423
1883.	637	376	128	219	28	1388
1884.	646	524	174	229	133	1706
1885.	762	251	241	135	62	1451
1886.	851	236	171	232	48	1538
1887.	600	176	138	135	86	1135
1888.	572	143	158	216	32	1121
1889.	581	242	118	164	35	1140
1890.	578	215	154	94	23	1064
1891.	694	199	104	138	38	1173
1892.	698	315	141	142	39	1335
1893.	694	323	160	234	39	1450
1894.	655	192	101	248	32	1228
1895.	575	192	141	259	136	1303
1896.	726	245	90	263	135	1459
1897.	688	278	104	330	108	1508

The following is a list of the more noticeable additions made to the Menagerie during the year 1897:—

1. A young female African Monkey of the genus *Cercopithecus* from the Upper Benué River, obtained by purchase on Feb. 2nd, which seems to be referable to *C. tantalus*, Ogilby, described in the Society's 'Proceedings' for 1841 (p. 33).

2. Two Uvæan Parrakeets (*Nymphicus uvæensis*), from the Island of Uvea, Loyalty Group, obtained by purchase Feb. 16th (see P. Z. S. 1882, p. 408, pl. xxvi.).

3. A second female hybrid Antelope, bred between *Tragelaphus gratus* ♂ and *T. spekii* ♀, born February 28th. The former hybrid between the same animals was born Feb. 12th, 1896 (see P. Z. S. 1896, p. 304).

4. Three examples of the Indian Pigmy Goose (*Nettopus coromandelianus*), presented by Mr. Frank Finn, B.A., F.Z.S., of Calcutta, on March 22nd. Many attempts have previously been made to introduce this bird into Europe, but without success; and these are the first specimens that have reached the Society's Gardens alive.

5. A fine young male specimen of the Wild Ass of Somaliland (*Equus somalicus*) (a species originally described in the Society's 'Proceedings' for 1884, p. 540, pl. iv.), obtained by purchase on April 30th.

6. A pair of Smith's Partridge Bronze-winged Pigeons (*Geophaps smithi*), from Northern Queensland, purchased on April 29th. These are the first specimens of this beautiful Ground-Dove (figured by Gould, 'Birds of Australia,' vol. v., pl. lxviii.) that have been exhibited in the Gardens.
7. A fine collection of West-Indian Reptiles, presented by Mr. R. R. Mole, C.M.Z.S., May 11th, 1897.
8. Two Blue Penguins (*Eudyptula minor*), from New Zealand, purchased May 21st. Only one example of this elegant little Penguin had been previously received by the Society.
9. Two fine adult King Penguins (*Aptenodytes pennanti*), purchased out of a lot of five offered for sale by a dealer, on June 23rd.
10. A young female Orang-outang (*Simia satyrus*), brought home from Sumatra and presented by Dr. H. Dohrn, C.M.Z.S., on June 30th.
11. A young pair of Babirussas (*Babirussa alfurus*), from Celebes, presented by H.G. The Duke of Bedford, F.Z.S., July 3rd.
12. An example of the Thick-billed Penguin (*Eudyptes pachyrhynchus*), from Stewart Island, New Zealand, deposited by the Hon. Walter Rothschild, F.Z.S., July 5th.
13. A very large example of Daudin's Tortoise (*Testudo daudini*), deposited by the Hon. Walter Rothschild on July 21st. This Tortoise, no doubt originally from the Aldabra Islands, is said to have been kept in captivity in Mauritius for about 150 years, and is believed to be the largest Land-Tortoise now living in the world. It is about 4 ft. 7 inches in length, 2 ft. 10 inches in breadth, and weighs about 5 cwt.
14. A male and two females of a large Deer from the Altai Mountains, probably referable to *Cervus eustephanus*, Blanford, received on August 10th, and apparently different in species from any Deer previously exhibited in the Society's series.
15. Two White-naped Weasels (*Pæcilogale albinucha*) from Natal, presented by Mr. William Champion, F.Z.S., Dec. 1st. This curiously marked Weasel, which much resembles a Zorilla in its markings (see P. Z. S. 1864, p. 69, pl. x.), is new to the Collection.
16. A Wild Cat from the province of Foo-chow, China, presented by Messrs. C. B. Rickett, F.Z.S., and J. D. D. La Touche, C.M.Z.S., Dec. 6, which is apparently of a new species, proposed by Mr. La Touche to be called *Felis dominicanorum*.
17. Two White-legged Falconets (*Microhierax melanoleucus*), presented by the same gentlemen at the same date, being the first examples of this diminutive Bird of Prey received by the Society.

The quantity and nature of the food required for the animals in the Society's Gardens are shown by the subjoined Table:—

Provisions consumed in the Society's Menagerie during 1897.

Clover	126 $\frac{1}{4}$ loads.	Goats	236
Hay	133 $\frac{1}{2}$ „	Flounders ..	2190 lbs.
Straw	215 $\frac{3}{4}$ „	Whitings ..	21,360 „
Oats	144 qrs.	Rough Fish	1016 „
Wheat	44 „	Shrimps	1248 quarts.
Beans	4 $\frac{3}{4}$ „	Fowl-heads	9380
Maize	70 „	Greens	4280 bunches.
Bran	294 „	Onions	5 $\frac{3}{4}$ bush.
Canary	18 „	Cress	3650 bunches.
Hemp	11 „	Nuts	26 $\frac{1}{2}$ pecks.
Rape	1 qr.	Lettuce	502 score.
Millet	5 $\frac{1}{4}$ qrs.	Apples	154 bush.
Barley	27 $\frac{1}{4}$ „	Pears	40 „
Buckwheat	6 $\frac{1}{2}$ „	Grapes	1032 lbs.
Rice	76 cwt.	Dates	1452 „
Oil-cake	43 „	Carrots	87 $\frac{1}{2}$ cwt.
Mawseed ..	35 lbs.	Oranges	204 hundreds.
Ground Nuts	39 cwt.	Potatoes	71 cwt.
Barley Meal	56 lbs.	Cherries	19 baskets.
Biscuits	295 cwt.	Marrows ..	45 $\frac{1}{2}$ doz.
Bread	6081 qtns.	Melons	26
Milk	4914 qts.	Bananas	1273 doz.
Eggs	26,404	Turnips	3 $\frac{1}{2}$ cwt.
Horses	225		

b. *List of Species new to the Collection exhibited during the year 1897.*

The following list contains the names of the specimens exhibited in 1897 which are referable to species not included in the last (ninth) edition (1896) of the List of Animals.

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

i. MAMMALS.

36 a. *Cercopithecus tantalus*, Ogilby. Tantalus Monkey.
Hab. West Africa.

a Female. Purchased, Feb. 2, 1897. From Upper Benué River. See P. Z. S. 1897, p. 311.

175 a. *Felis dominicanorum*, La Touche. Dominicans' Cat.

Hab. China.

a. Presented by Messrs. C. B. Rickett, F.Z.S., and J. D. D. La Touche, C.M.Z.S., Dec. 6, 1897. From Foochow. See P. Z. S. 1898, p. 1, pl. i.

208 a. *Genetta felina* (Thunb.). Feline Genet.

Hab. South Africa.

a. Presented by J. E. Matcham, Esq., C.M.Z.S., Aug. 3, 1897. From Port Elizabeth.

b. Presented by J. E. Matcham, Esq., C.M.Z.S., Aug. 27, 1897. From Port Elizabeth.

291 a. *Mustela subpalmata*, Ehrenb. Egyptian Weasel.

Hab. Egypt.

a-c. Presented by A. R. Birdwood, Esq., May 12, 1897. See P. Z. S. 1897, p. 600.

291 b. *Pæcilogale albinucha* (Gray). White-naped Weasel.

Hab. South Africa.

a, b. Presented by W. Champion, Esq., F.Z.S., Dec. 1, 1897. From Natal. See P. Z. S. 1898, p. 1.

438 a. *Mus arboricola* (Macleay). Australian Bush-Rat.

Hab. New South Wales.

a-e. Presented by Edgar R. Waite, Esq., Aug. 23, 1897. See P. Z. S. 1897, p. 857.

448 a. *Phyllotis griseoflavus*, Waterh. Large-eared Mouse.

Hab. Argentina.

a. Presented by E. A. Fitzgerald, Esq., Aug. 30, 1897.

566 a. *Nesotragus moschatus*, von Düb. Zanzibar Antelope.

Hab. East Africa.

a. Female. Presented by H. S. H. Cavendish, Esq., Oct. 16, 1897.

- 570 *a.* *Cervicapra arundinum* (Bodd.). Reed-Buck.
Hab. S.E. Africa.
a. Male. Purchased, April 28, 1897. From the Limpopo River.
- 579 *a.* *Gazella spekii*, Blyth. Speke's Gazelle.
Hab. Somaliland.
a. Male. Presented by Dr. L. de Gébert, Nov. 17, 1897. From Djiboutil. See P. Z. S. 1897, p. 920.
- 629 *a.* *Cervus eustephanus*, Blanf. Altai Deer.
Hab. Altai Mountains.
a. Male; *b, c.* Females. Purchased, Aug. 10, 1897. See P. Z. S. 1897, p. 810.
- 732 *a.* *Onychogale frenata*, Gould. Bridled Wallaby.
Hab. Australia.
a, b. Females. Purchased, May 21, 1897.
c. Male. Purchased, Nov. 19, 1897.
d. Male; *e.* Female. Purchased, Nov. 24, 1897.

ii. BIRDS.

- 62 *a.* *Cinnyris asiaticus* (Lath.). Purple Sun-bird.
Hab. India.
a. Male. Presented by Frank Finn, Esq., F.Z.S., Aug. 27, 1897. From Calcutta.
- 94 *a.* *Dryonastes sannio* (Siv.). White-browed Laughing Thrush.
Hab. China.
a. Presented by Messrs. C. B. Rickett, F.Z.S., and J. D. D. La Touche, C.M.Z.S., Dec. 6, 1897.
- 237 *a.* *Ploceus atrigula*, Hodgs. Black-throated Weaver-bird.
Hab. India.
a, b. Purchased, Aug. 26, 1897.

- 309 *a.* *Carduelis caniceps*, Vig. Himalayan Goldfinch.
Hab. India.
a. Male; *b.* Female. Presented by Frank Finn, Esq.,
 F.Z.S., April 30, 1897.
- 518 *a.* *Picus martius*, Linn. Black Woodpecker.
Hab. Europe.
a. Purchased, Sept. 16, 1897.
- 543 *a.* *Rhytidoceros undulatus* (Shaw). Wreathed Horn-
 bill.
Hab. Borneo.
a, b. Purchased, April 28, 1897.
- 616 *a.* *Psitteuteles euteles* (Temm.). Perfect Lorikeet.
Hab. Timor.
a, b. Deposited, May 8, 1897.
- 720 *a.* *Chrysotis caymanensis*, Cory. Cayman - Island
 Amazon.
Hab. Cayman Island.
a. Presented by C. Home Sinclair, Esq., July 8, 1897.
- 794 *a.* *Psephotus chrysopterygius* (Gould). Paradise
 Parrakeet.
Hab. Australia.
a. Male; *b.* Female. Purchased, March 10, 1897.
- 878 *a.* *Buteo augur*, Rüpp. Augur Buzzard.
Hab. East Africa.
a. Presented by H. S. H. Cavendish, Esq., October 16,
 1897.
- 929 *a.* *Lophotriorchis lucani*, Sharpe. Lucan's Crested
 Eagle.
Hab. West Africa.
a. Presented by Dr. H. O. Forbes, F.Z.S., December 18,
 1897.

971 *a.* *Tinnunculus moluccensis*, Hombr. & Jacq. Moluccan Kestrel.

Hab. New Guinea.

a. Presented by the Hon. Walter Rothschild, F.Z.S., January 4, 1897. From Triton Bay, New Guinea.

976 *a.* *Microhierax melanoleucus* (Blyth). White-legged Falconet.

Hab. China.

a, b. Presented by Messrs. C. B. Rickett, F.Z.S., and J. D. D. La Touche, C.M.Z.S., December 6, 1897.

1120 *a.* *Nettopus coromandelianus* (Gm.). Indian Pigmy Goose.

Hab. India.

a-c. Presented by Frank Finn, Esq., B.A., F.Z.S., March 22, 1897. See P. Z. S. 1897, p. 370.

1294 *a.* *Geophaps smithi* (Jard. & Selby). Smith's Partridge Bronze-winged Pigeon.

Hab. North Australia.

a. Male; *b.* Female. Purchased, April 29, 1897. See P. Z. S. 1897, p. 430.

1558 *a.* *Ægialites curonica* (Gm.). Little Ringed Plover.

Hab. Europe.

a-d. Purchased, September 14, 1897.

1608 *a.* *Larus gelastes*, Thienem. Slender-billed Gull.

Hab. Southern Europe.

a-b. Deposited, September 27, 1897. From Spain.

1646 *a.* *Eudyptes pachyrhynchus*, G. R. Gray. Thick-billed Penguin.

Hab. Stewart Island, New Zealand.

a. Deposited, July 5, 1897. See P. Z. S. 1897, p. 810.

iii. REPTILES.

- 35 *a.* *Cyclemys platynota* (Gray). Flat-backed Terrapin.
Hab. Malay Peninsula.
a. Presented by S. S. Flower, Esq., F.Z.S., Nov. 23, 1897.
b, c. Presented, by S. S. Flower, Esq., F.Z.S., Nov. 30, 1897. From Johore.
- 47 *a.* *Testudo emys*, Schleg. & Müll. Phayre's Tortoise.
Hab. Borneo.
a. Presented by H. H. The Tuan Muda of Sarawak, May 5, 1897.
b. Deposited, May 5, 1897.
c, d. Purchased, May 5, 1897.
- 58 *a.* *Testudo daudini*, Dum. & Bibr. Daudin's Tortoise.
Hab. Aldabra Island.
a-d. Deposited, May 26, 1896.
e. Deposited, July 21, 1897. See P. Z. S. 1897, p. 810.
- 75 *a.* *Sternotherus adansonii* (Schweigg.). Adanson's Sternotherere.
Hab. West Africa.
a, b. Deposited, Sept. 30, 1897.
- 75 *b.* *Sternotherus oxyrhinus*, Boulenger. Sharp-nosed Sternotherere.
Hab. Africa.
a. Deposited, Sept. 30, 1897. See P. Z. S. 1897, p. 919, pl. liii.
- 92 *a.* *Emyda vittata*, Peters. Banded River-Turtle.
Hab. India.
a. Presented by Mr. H. Felix, Oct. 14, 1897

- 108 *a.* *Ædura lesueuri* (Dum. & Bibr.). Lesueur's Gecko.
Hab. Australia.
a. Deposited, Sept. 30, 1897.
- 109 *a.* *Thecadactylus rapicauda* (Houttuyn). West Indian Gecko.
Hab. South America.
a, b. Presented by R. R. Mole, Esq., C.M.Z.S., May 11, 1897. From Trinidad.
- 187 *a.* *Scolecosaurus cuvieri* (Fitz.). Cuvier's Scolecosaure.
Hab. South America.
a. Presented by R. R. Mole, Esq., C.M.Z.S., May 11, 1897. From Trinidad.
- 208 *a.* *Acanthodactylus scutellatus* (Aud.). Scutellated Lizard.
Hab. N. Africa and W. Asia.
a. Presented by H. B. Hewetson, Esq., F.Z.S., Jan. 12, 1897. From Biskra, Algeria.
- 208 *b.* *Acanthodactylus pardalis* (Licht.). Pardine Lizard.
Hab. N. Africa.
a. Presented by H. B. Hewetson, Esq., F.Z.S., Jan. 12, 1897. From Biskra.
- 225 *a.* *Mabuia agilis* (Raddi). Active Lizard.
Hab. South America.
a. Presented by R. R. Mole, Esq., C.M.Z.S., May 11, 1897. From Maraval.
- 226 *a.* *Lygosoma decresiense* (Fitz.). Decresian Skink.
Hab. Australia.
*a-e*¹. Deposited, Sept. 30, 1897.

- 226 *b.* *Lygosoma mustelinum* (O'Shaughn.). Musteline Skink.
Hab. Australia.
a. Deposited, Sept. 30, 1897.
- 284 *a.* *Helicops angulatus* (Linn.). Angulated Snake.
Hab. West Indies.
a. Presented by R. R. Mole, Esq., C.M.Z.S., May 11, 1897.
- 303 *a.* *Zamenis florulentus* (Geoffr.). Flowered Snake.
Hab. Egypt.
a, b. Received in exchange, Mar. 6, 1897.
- 320 *a.* *Dendraspis viridis* (Hallow.). Hallowell's Tree-Snake.
Hab. West Africa.
a. Presented by the Rev. J. Taylor Smith (Canon), April 26, 1897.
- 321 *a.* *Chlorophis hoplogaster* (Günth.). Oldham's Snake.
Hab. South Africa.
a, b. Presented by J. E. Matcham, Esq., C.M.Z.S., Nov. 19, 1897. From Port Elizabeth.
- 340 *a.* *Coronella calligaster* (Harlan). Red-bellied Snake.
Hab. North America.
a. Presented by R. R. Mole, Esq., C.M.Z.S., May 11, 1897.
- 342 *a.* *Cemophora coccinea* (Blumenb.). Scarlet Snake.
Hab. North America.
a. Presented by J. H. Fleming, Esq., Oct. 6, 1897. From Florida.

iv. BATRACHIANS.

- 12 a. *Rana angolensis*, Bocage. Angola Frog.
Hab. South Africa.

a-c. Presented by J. E. Matcham, Esq., C.M.Z.S., Jan. 8,
 1897.

v. FISHES.

- 30 a. *Periophthalmus koelreuteri* (Pall.). African Walk-
 ing Fish.
Hab. Western Africa.

a-g. Presented by Dr. H. O. Forbes, F.Z.S., Dec. 18,
 1897.

c. *List of Animals bred in the Gardens during
 the year 1897.*

MAMMALS.

- 4 Collared Fruit-Bats (*Cynonycteris collaris*).
 3 Shaw's Gerbilles (*Gerbillus shawi*).
 4 Varied Field Rats (*Isomys variegatus*).
 6 Coypu Rats (*Myopotamus coypus*).
 1 Crested Porcupine (*Hystrix cristata*).
 2 Viscachas (*Lagostomus trichodactylus*).
 3 Patagonian Cavies (*Dolichotis patachonica*).
 1 Burchell's Zebra (*Equus burchelli*).
 1 English Wild Bull (*Bos taurus*).
 1 Yak (*Poëphagus grunniëns*).
 2 Elands (*Oreas canna*).
 1 Hybrid Pleasant Antelope (bred between *Tragelaphus
 gratus* ♂ and *Tragelaphus spekii* ♀).
 3 Thars (*Hemitragus jemlaica*).
 1 Mouflon (*Ovis musimon*).
 1 Burrhel Sheep (*Ovis burrhel*).
 5 Barbary Wild Sheep (*Ovis tragelaphus*).
 2 Red Deer (*Cervus elaphus*).
 3 Wapiti Deer (*Cervus canadensis*).
 4 Japanese Deer (*Cervus sika*).

- 1 Great Kangaroo (*Macropus giganteus*).
- 4 Bennett's Wallabies (*Macropus bennetti*).
- 1 Rufous Rat-Kangaroo (*Aepyprymnus rufescens*).
- 2 Squirrel-like Phalangers (*Petaurus sciureus*).
- 1 Short-headed Phalanger (*Petaurus breviceps*).

BIRDS.

- 2 Common Bluebirds (*Sialia wilsoni*).
- 2 Saffron Finches (*Sycalis flaveola*).
- 2 Glossy Ibises (*Plegadis falcinellus*).
- 3 Summer Ducks (*Aex sponsa*).
- 6 Mandarin Ducks (*Aex galericulata*).
- 2 Variegated Sheldrakes (*Tadorna variegata*).
- 4 White-backed Pigeons (*Columba leuconota*).
- 4 Triangular-spotted Pigeons (*Columba guinea*).
- 1 Spotted Pigeon (*Columba maculosa*).
- 1 Auriculated Dove (*Zenaida auriculata*).
- 3 Crested Pigeons (*Ocyphaps lophotes*).
- 3 Himalayan Monauls (*Lophophorus impeyanus*).
- 6 Bar-tailed Pheasants (*Phasianus reevesi*).
- 3 Amherst's Pheasants (*Thaumalea amherstiae*).
- 1 Peacock Pheasant (*Polyplectron chinquis*).
- 2 Ypecaha Rails (*Aramides ypecaha*).
- 1 Spotted Tinamou (*Nothura maculosa*).

d. *List of Donors and their Donations for the year 1897.*

- Aitchison, Mr.
One Cardinal Grosbeak.
- Alexander, Boyd, Esq.
Three Cocteau's Skinks.*
- Almeda, —, Esq.
Two Sacred Ibises.
- Anderson, Mrs.
One Rose-crested Cockatoo.
- Anson, Mrs. C. J.
One Common Marmoset.
- Ard, Miss A. E.
One Green Monkey.
- Ashburton, The Lord and Lady.
One Malayan Bear.

- Ashburton, The Lord, and the Earl of Crawford, F.Z.S.
One Orang-outang.
- Aves, Miss.
One Crimson-eared Waxbill.
- Bach, Dr. J.
One Hawk's-billed Turtle, two Scorpion Mud-Terrapins, eleven Duméril's Grieved Tortoises.
- Baillie, Mrs.
One Pig-tailed Monkey.
- Bantock, Dr. G. Granville.
One King Parrot.
- Barker, Capt. Digby H.
One Antillean Boa.
- Barrett, The Rev. T. C. A.
One Raven.
- Bastain, F. E., Esq.
One European Pond-Tortoise.
- Baxter, P., Esq.
One Mongoose Lemur.
- Beaumont, Mrs.
One Red-bellied Wallaby.
- Bedford, H.G. the Duke of, F.Z.S.
One Persian Deer, two Babirussas.
- Beeching, Capt. C. F.
One Marabou Stork.
- Beit, Alfred, Esq., F.Z.S.
One Vervet Monkey.
- Berridge, W. S., Esq.
Two Barbary Turtle-Doves.
- Bingham, W. B., Esq.
Two Ravens, one House-Sparrow (var.).
- Birdwood, A. R., Esq.
Three Egyptian Weasels.
- Birkbeck, H., Esq.
One Upland Goose.
- Blake, Sir Henry, K.C.M.G.
One White-throated Capuchin.
- Bostock, E. H., Esq.
Two Purplish Death-Adders, one Brown Death-Adder, one Shielded Death-Adder.
- Bostock, G. Hastings, Esq.
One Tawny Owl.
- Brame, H., Esq.
One White-backed Piping-Crow.

- Brett, The Hon. Mrs.
One Egyptian Jerboa.
- Breysig, A. F., Esq.
One Patas Monkey.
- Brice, W., Esq.
One Geoffroy's Cat, one Matamata Terrapin.
- Bromwich, W. A., Esq.
Two Common Marmosets.
- Browne, Mrs. A. H., F.Z.S.
One Common Marmoset.
- Callingham, Mr. James.
One Bonnet-Monkey.
- Camm, W. H., Esq.
One Rhesus Monkey.
- Cardew, Col. F., C.M.G.
One Chimpanzee, one Black Gallinule, one West-African Sheep, one West-African Python.
- Carnegie, The Hon. R.
Two Natal Pythons.
- Carpenter, Capt. Alfred, R.N., F.Z.S.
One Algerian Tortoise.
- Carter, H. R. P., Esq.
One Striped Indian Tarantula.
- Caté, Madame.
One Yellow-bellied Liothrix.
- Cavendish, H. S. H., Esq.
One Zanzibar Antelope, one Augur Buzzard.
- Chamberlain, Walter, Esq., F.Z.S.
One Macaque Monkey.
- Champion, W., Esq., F.Z.S.
One Natal Python, one Green-necked Touracou, two White-naped Weasels.
- Charlesworth, Mrs. A.
One Mozambique Monkey.
- Cheape, Mrs.
One Common Badger.
- Cheverton, Mr. G. H.
One Macaque Monkey.
- Chipper, J. C., Esq.
One Mauge's Dasyure.
- Christie, W. L., Esq.
One Laughing Kingfisher.
- Clark, Samson, Esq.
One Black-eared Marmoset.

- Clifton, H. Arthur, Esq.
One Salt-water Terrapin.
- Collier, G. B., Esq.
One Arctic Fox.
- Collins, Bernard A., Esq.
One White-crowned Mangabey.
- Collins, H. M., Esq.
One Red-and-Yellow Macaw.
- Colsell, F., Esq.
One Black-handed Spider-Monkey.
- Coombs, James, Esq.
One Macaque Monkey.
- Cooper, Mrs. G. F.
Two Ring-necked Parrakeets.
- Copnall, R. M., Esq.
Two Grey-breasted Parrakeets.
- Cotter, Mr. Richard.
One Nightjar.
- Crosley, William, Esq.
One Spectacled Bear, one Spotted Cavy.
- Crummach, W. J., Esq.
One Matamata Terrapin.
- Curnow, Mr. Henry.
One Sykes's Monkey.
- Dade, Mrs.
Two Muscovy Ducks.
- Dade, B., Esq.
One Bonnet-Monkey.
- D'Aeth, Miss Fanny.
Two Kestrels.
- Davis, R. J., Esq.
Two Grey Ichneumons.
- Dell, Dr. J. F.
One White-crested Tiger-Bittern.
- Dibley, Horace, Esq.
Two Common Chameleons.
- Dickers, Mr. Duncan.
One European Pond-Tortoise.
- Dickson, Master Jan B.
One Rhesus Monkey.
- Dixon Bey.
One Grey Monitor.
- Dixon, Ernest A., Esq.
One Egyptian Ichneumon.

- Dobie, W. H., Esq.
One Black-headed Gull, two Rufous-necked Weaver-
birds.
- Dohrn, Dr. H., C.M.Z.S.
One Orang-outang.
- Domaine, Mr. H. du.
One Common Chameleon.
- Douglas, Mrs.
One Bonnet-Monkey.
- Doyne, Mrs.
One Ring-necked Parrakeet.
- Drysdale, J. W., Esq.
One Red-and-Yellow Macaw.
- Dyer, W. B., Esq.
One Grey Lemur.
- Edmonstone, Lady.
Two Blood-breasted Pigeons, two Barred Doves.
- Elwood, Miss A. M.
One Yellow-backed Lory.
- Erasmus, D. E., Esq.
One Egyptian Monitor.
- Feilden, Col. H. W., C.M.Z.S.
Two Rough-legged Buzzards.
- Felix, Mr. H.
One Banded River-Turtle.
- Fenwick, Miss W.
One European Pond-Tortoise.
- Ffinch, B. T., Esq., F.Z.S.
One Syrian Bear.
- Finn, Frank, Esq., F.Z.S.
One Purple Sun-bird, two Himalayan Goldfinches,
three Indian Pigmy Geese.
- Fisher, C. R., Esq.
One Painted Terrapin.
- Fisher, Major Hawkins.
One Peregrine Falcon.
- Fitzgerald, E. A., Esq.
One Large-eared Mouse, two Chimachima Milvagos,
three Pileated Song - Sparrows, three Yellowish
Finches, two Bay Cow-birds, one Yellow Troupial,
three West-African Love-birds.
- Fleming, J., Esq.
One Rhesus Monkey.
- Fleming, J. H., Esq.
Two Ribbon - Snakes, seven Striped Snakes, four

- Dekay's Snakes, two American Milk-Snakes, two Grass-Snakes, one Scarlet Snake, three American Black Snakes, two Testaceous Snakes, one Mexican Snake, one Hog-nosed Snake, one King Snake.
- Flower, S. S., Esq., F.Z.S.
Three Flat-backed Terrapins.
- Forbes, Dr. H. O., F.Z.S.
One Mandrill, one Mona Monkey, two Green Monkeys, one Guinea Baboon, two White-collared Mangabeys, one Moustache-Monkey, one Brown Bear, one Golden Eagle, one Lucan's Crested Eagle, seven African Walking Fishes.
- Furse, I. H. M., Esq.
One Tessellated Snake.
- Gardner, George F., Esq.
One White-fronted Lemur.
- Garratt, H. W., Esq.
One Coypu.
- Gébert, Dr. L. de.
One Speke's Gazelle.
- Gilbert, W. S., Esq.
One Macaque Monkey, one Toque Monkey, one Sooty Mangabey, one White-collared Mangabey.
- Godson, Clement, Esq., M.D.
One Bauer's Parrakeet.
- Goeldi, Dr. Emil A., C.M.Z.S.
Eleven Scorpion Mud-Terrapins.
- Gowing, Mr. J. B.
One Ring-tailed Coati.
- Grantham, The Hon. Sir W.
One Chimpanzee.
- Gratton, G. E., Esq.
One Common Chameleon.
- Greaves, Alfred, Esq.
Two Carrion-Crows.
- Greswolde-Williams, F., Esq., F.Z.S.
One Macaque Monkey.
- Gude, G. K., Esq.
One Eyed Lizard.
- Guittonneau, L., Esq.
Two Tawny Owls.
- Hagenbeck, Herr Karl.
Five Tessellated Snakes.
- Hall, W. Durham, Esq.
Four Goliath Beetles.

- Hardisty, Mrs.
Two Bonnet-Monkeys.
- Hardy, C., Esq.
One Brown Capuchin.
- Harrold, Miss E.
One Leopard Tortoise.
- Hastings, C. H., Esq.
One Crowned Horned Lizard.
- Hawkins, Mr. Edward.
One Red-sided Eclectus.
- Hewens, Miss M.
One Macaque Monkey.
- Hewitson, H. B., Esq., F.Z.S.
One Pardine Lizard, one Scutellated Lizard.
- Hewlett, W., Esq.
One Prairie Marmot.
- Hight, Mrs. E.
One Alexandrine Parrakeet.
- Hood, Lady Acland.
One Common Squirrel.
- Hope, Arthur, Esq.
One Mountain Ka-Ka.
- Hoste, Sir William, Bart.
One White-fronted Capuchin.
- Howells, T. M., Esq.
Two Californian Quails.
- Hudson, Mrs. B.
One Macaque Monkey.
- Humfrey, Capt.
One Leopard.
- Hunt, Miss Rachel.
One Macaque Monkey.
- Hunter, Robert S., Esq.
Two Crested Porcupines, one Griffon Vulture.
- Hutchings, C. L., Esq.
One Broad-snouted Cayman.
- Hutchings, Mr. C. W.
One Rhesus Monkey.
- Huxley, W. J., Esq.
One Huanaco.
- Ingram, C., Esq.
Two Palm-Squirrels.
- Jackson, Fred. G., Esq.
One Ivory-Gull.

- James, Mr. E.
One Bonnet-Monkey.
- Jamrach, Mr. W.
One Larger Tree-Duck.
- Jones, A. Lawford, Esq.
One Blackbird (var.).
- Jones, B. H., Esq., F.Z.S.
One Pied Mynah, two White-crested Jay-Thrushes.
- Joyce, Miss E. Blanche.
One Bonnet-Monkey.
- Kattengell, Miss Annie.
One Yellow-cheeked Amazon.
- Kemp-Welch, Miss Edith M.
One Red-crested Cardinal.
- Kendall, Miss Daisy.
One White-collared Mangabey.
- Kennedy, J. Martin, Esq., M.D.
One Vulpine Phalanger.
- Keser, Mrs. J.
One Severe Macaw.
- Kilpatrick, Mr. J.
One Peregrine Falcon.
- Kinloch, Major-Gen. Alex. A. A., F.Z.S.
One Long-eared Owl.
- Ladell, W. J. Simpson, Esq.
One Greater Black-backed Gull, four Lesser Black-backed Gulls.
- Lamb, Sir Archibald, Bart., F.Z.S.
One Red-footed Ground-Squirrel.
- Laxson, John, Esq.
One Green Monkey.
- Lean, Col. W. W.
Two Four-horned Antelopes.
- Ledger, S. A., Esq.
One Rhesus Monkey.
- Lincker, Mr. J. W.
Two Vervet Monkeys.
- Llewelyn, R. B., Esq., C.M.G.
One Harnessed Antelope.
- Lowe, Mr. H.
One Short-tailed Wallaby.
- Loy, Thomas W., Esq.
Two Patas Monkeys.
- Lumsdaine, Miss Sandys.
Four Burrowing-Owls.

- Mackintosh, D., Esq.
One Brown Capuchin.
- Mallard, Miss.
One Turtle-Dove.
- Manders, G. J., Esq.
One Black Wallaby.
- Marshal, F. W., Esq.
One White-bellied Pangolin.
- Matcham, J. E., Esq., C.M.Z.S.
Two Chacma Baboons, two Vervet Monkeys, two Feline Genets, one Blotched Genet, three Levaillant's Cynictis, one Black-backed Jackal, two Crested Porcupines, one Spotted Eagle, one Jackal Buzzard, one Cape Grass-Owl, one Derbyan Zonure, eight Spotted Geckos, twenty-four Hispid Lizards, fourteen Rough-scaled Lizards, four Delalande's Lizards, two Three-streaked Skinks, one Ring-hals Snake, two Oldham's Snakes, three Hoary Snakes, two Aurora Snakes, three Infernal Snakes, six Lineated Snakes, one Smooth-bellied Snake, fourteen Rough-keeled Snakes, twenty-two Rufescent Snakes, eleven Rhomb-marked Snakes, fifteen Crossed Snakes, three Cape Bucephalus, three Yellow Cobras, three Puff-Adders, three Angola Frogs.
- Meade-Waldo, E. G. B., Esq., F.Z.S.
Two Double-spurred Francolins, four Rosy Bullfinches.
- Meears, Mr. W.
One Bonnet-Monkey.
- Meyer, Miss Amy.
One Common Chameleon.
- Millar, The Rev. Ernest.
One Servaline Cat.
- Miller, D. S., Esq.
One Grey Squirrel.
- Mole, R. R., Esq., C.M.Z.S.
One Kinkajou, one Sharp-nosed Crocodile, one Rough-eyed Cayman, two West-Indian Geckos, one Cuvier's Scolecosaure, one Green Lizard, one Active Lizard, two Tuberculated Iguanas, one Black-pointed Teguxin, three Thick-necked Tree-Boas, one Antillean Boa, three Common Boas, five Cooke's Tree-Boas, one Anaconda, one Boddaert's Snake, one Chequered Elaps, one Mocassin Snake, one Red-bellied Snake, one Angulated Snake, one Olive-brown Snake.

- Morison, Col. F.
One Ruddy Ichneumon.
- Murray, M. A., Esq.
One Vulpine Phalanger.
- Myburgh, P., Esq.
Two Secretary Vultures.
- Nightingale, A., Esq.
One Crowned Duiker-Bok.
- Nowell, Dr. G. H.
Two Palm-Squirrels.
- Ogilvie, G. A., Esq.
Two Egyptian Kites.
- Orkney, The Earl of.
One Chacma Baboon.
- Orme, W. B., Esq.
One Pig-tailed Monkey.
- Padbury, Mrs. R. H.
One Sooty Mangabey.
- Paget, John, Esq.
One Lesser Sulphur-crested Cockatoo.
- Palmer, Charles, Esq., C.M.Z.S.
Two Bateleur Eagles.
- Parr, J. Charlton, Esq., F.Z.S.
One Peacock Pheasant.
- Parsons, Miss M.
Two Ring-necked Parrakeets.
- Passingham, C., Esq.
One Wood-Brocket.
- Peake, Miss M. L.
One Common Chameleon.
- Pedroza, Surg. Lt.-Col. F. H.
One Greater Vasa Parrot.
- Pelly, Capt. Francis R., R.N.
One Orang-outang.
- Pelly, Evelyn, Esq.
Four Common Hedgehogs.
- Penton, E., Esq.
One Smooth Snake.
- Peracca, Count M.
Two Lataste's Frogs, two Brown Mud-Frogs.
- Pettitt, John, Esq.
One Guillemot.
- Phillipps, R., Esq.
Two Grey Struthideas.
- Pigg, Dr. Thomas.
One Campbell's Monkey.

- Price, Richard J. L., Esq., F.Z.S.
Two Roseate Cockatoos.
- Radley, Miss.
One Black-handed Spider-Monkey.
- Randall, Mrs.
One Alexandrine Parrakeet.
- Rawlins, Messrs. A. G. & R.
One Vulpine Squirrel.
- Rees, C. H. Crole, Esq.
One Auriculated Dove.
- Renals, J. H., Esq.
One Alligator.
- Reynell, Mrs.
One Blue-fronted Amazon.
- Rickett, C. B., Esq., F.Z.S., & J. D. D. La Touche, Esq.,
C.M.Z.S.
One Dominicans' Cat, two White-legged Falconets,
one Collared Jay-Thrush, one White-browed Laugh-
ing-Thrush.
- Ridgeway, H.E. The Rt. Hon. Sir Joseph West, K.C.B.,
K.C.S.I.
Two Leopards.
- Robertson, Walter, Esq.
One Californian Quail.
- Robinson, T. Hope, Esq., F.Z.S.
Two Herring-Gulls.
- Rohé, H. C. Fernando, Esq.
One Yellowish Capuchin, one Squirrel-Monkey, three
Common Boas, one Brazilian Tortoise.
- Rothera, Charles L., Esq.
One Herring-Gull, one Lesser Black-backed Gull.
- Rothschild, The Hon. Walter, F.Z.S.
One Moluccan Kestrel, two Gannets.
- Routledge, W. R., Esq.
One Smooth-headed Capuchin.
- Rudkin, Mr. T. H.
One White-throated Capuchin.
- Russell, John, Esq.
Six Black-eared Marmosets.
- Russell, Major-Gen., M.P.
One Osprey.
- Sadler, Major R. Haynes.
One Chacma Baboon, one Black-backed Jackal.
- St. Quintin, W. H., Esq., F.Z.S.
One Whooper Swan, one Night-Heron, three Black
Storks, two Pin-tailed Sand-Grouse, one Nightingale,
one Yellow-shouldered Hangnest.

- Sanderson, Miss Lucy.
Two American Flying Squirrels.
- Sarawak, H.H. the Tuan Muda of.
One Phayre's Tortoise.
- Scammell, F., Esq.
One Dusky Parrot.
- Scorer, Mrs. A. G.
One Cactus Conure.
- Searelle, Luscombe, Esq.
One Natal Python.
- Seymour, Surg.-Major C.
One Grey Ichneumon.
- Shone, Miss.
One Vulpine Phalanger.
- Sinclair, C. Home, Esq.
One Cayman-Island Amazon.
- Skeat, W. W., Esq.
One Binturong.
- Smith, Harold, Esq.
One Grey Ichneumon.
- Smith, The Rev. Canon.
One Hallowell's Tree-Snake.
- Snooks, A. E., Esq.
One Mozambique Monkey.
- Soames, Mrs.
One Suricate.
- Speer, A. E., Esq., F.Z.S.
Two Egyptian Geese.
- Spilsbury, Major.
Two Common Chameleons.
- Stanford, J. Benet, Esq.
One Beisa Antelope, two Arabian Gazelles, one
Caffer Cat.
- Stather, W. H., Esq.
One Chacma Baboon, two Vulpine Phalangers.
- Step, Edward, Esq., F.Z.S.
One Snag.
- Strong, Charles, Esq.
One Levillant's Amazon.
- Stucley, Col.
Two Common Peafowl.
- Sumner, J. E., Esq.
One Malabar Squirrel.
- Temple, W. R., Esq.
One Tessellated Snake.

- Theobald, W., Esq.
One Greater Black-backed Gull.
- Thomas, H. Edgar, Esq.
Two Buzzards.
- Thompson, The Rev. G. H.
One Gannet.
- Tichborne, Sir Henry D., Bart.
Two Sloth-Bears.
- Todd, R. A., Esq., F.Z.S.
One Black Lemur, one Black-headed Lemur, one
Grey Lemur.
- Tubbs, A. Burnell, Esq.
One Common Peafowl.
- Turner, Mrs. R. L.
One King Parrot.
- Tytheridge, C. W., Esq.
Eleven Green Lizards, one Wall-Lizard, two Sand-
Lizards.
- Urich, F. W., Esq., C.M.Z.S.
One Anaconda.
- Vere, Master E. Hope.
One Water-Vole.
- Verner, Lt.-Col. Willoughby.
One Eyed Lizard.
- Vibart, Mrs. M. D.
One Slender-billed Cockatoo.
- Vickers, G. J. W., Esq.
One Horned Lizard.
- Waite, Edgar R., Esq.
Five Australian Bush-Rats.
- Ward, Rowland, Esq., F.Z.S.
One Bird-Spider.
- Watson, Capt.
One Mediterranean Peregrine-Falcon.
- Wethered, William, Esq.
One Ocelot.
- Wetherhogg, Mr.
One Common Seal.
- White, Forbes, Esq.
Two Weka Rails.
- Whitehouse, F., Esq.
One Egyptian Jerboa.
- Williams, Dr. J. S.
One Rufous Rat-Kangaroo.
- Willison, G., Esq.
One Common Marmoset.

- Wolffsohn, J. A., Esq.
One Chinchilla.
- Wolterbuk, Mrs.
One Dwarf Chameleon.
- Wood, A. H. E., Esq.
One Arctic Fox.
- Wood, Mrs. Nicholas.
One European Tree-Frog.
- Woollett, Capt. W. C.
One African Brush-tailed Porcupine.
- Wright, L. B., Esq.
Two Vervet Monkeys.
- Wylde, Col. W. H., C.M.G.
One Cheetah.
- Zoological Society of Ireland, Royal.
One Cape Hunting-Dog.

Conclusion.

In concluding their Report, the Council wish again to call attention to the gratifying increase which has taken place in the number of Fellows of the Society during the last few years. On three consecutive occasions the Council have now had the pleasure of stating that the roll of the Members of the Society exceeds three thousand, and they trust that it may never hereafter fall below that number.

The Council also wish to point out that the considerable balance on the General and Deposit Accounts brought over from 1897 will enable them to carry on the work of repairing and renewing the older buildings in the Society's Gardens and of making additions to their number. With this work they are now proceeding in due course.

The Council wish to acknowledge the assistance they have received during the past year from the Committee of Publication, upon whom 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, during the past year, have audited the Accounts and have served on the Finance Committee.

Signed (for the Council),

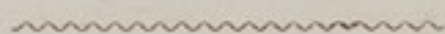
P. L. SCLATER,
Secretary.

3 Hanover Square, W., April 29th, 1898.

PRINTED BY TAYLOR AND FRANCIS,
RED LION COURT, FLEET STREET.

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

Appointed January 20, 1898.



THE Committee of Auditors to the Zoological Society of London having fully examined the accounts, inspected the books, and seen vouchers for all the various payments ordered by the Council for the year ending December 31st, 1897, respectfully submit to the Society an abstract of the accounts, together with a statement of the Assets and Liabilities at the close of the year.

RECEIPTS IN 1897.

					£ s. d.		
Balance brought from December 31, 1896					1,066 15 4		
INCOME.							
		£ s. d.			£ s. d.		
1896	{ Garden Sales	155	8	9			
	{ Rent for Refreshment-Rooms	62	16	9			
	{ Rent for Rooms at Hanover Square...	45	0	0			
	{ Admission Fees	110	0	0			
	{ Subscriptions	18	0	0			
	{ Publication Sales	119	3	11			
					510 9 5		
1897	{ Admissions to Gardens	17,261	6	0			
	{ Riding Receipts.....	622	6	10			
	{ Garden Sales	390	1	9			
	{ Rent for Refreshment-Rooms	937	18	2			
	{ Rent for Rooms at Hanover Square...	135	2	0			
	{ Admission Fees	685	0	0			
	{ Compositions	930	0	0			
	{ Annual Subscriptions	5,866	6	0			
	{ Publication Subscriptions.....	465	3	0			
	{ Publication Sales	145	13	9			
	{ Zoological Record Subscriptions.....	195	3	0			
	{ Zoological Record Sales	158	19	6			
1898	{ Dividends (Davis Fund)	73	9	4			
	{ Interest on Deposit Account	39	7	8			
	{ Miscellaneous	115	5	1			
	{ Annual Subscriptions	168	0	0			
	{ Publication Subscriptions.....	13	13	0			
					28,021 2 1		
					181 13 0		
INCOME RECEIVED IN 1897					28,713 4 6		
Transferred from Deposit Account (Dec. 23)					1,000 0 0		
					30,779 19 10		

PAYMENTS IN 1897.

EXPENDITURE.		£	s.	d.	£	s.	d.
Rent, Rates, Taxes, and Insurance	Gardens	1,515	6	2			
Ditto ditto	Office	286	5	10			
Salaries and Pensions	Gardens	3,460	6	8			
Ditto ditto	Office	2,040	0	0			
Provisions		3,779	17	2			
Cost and Carriage of Animals		1,333	4	10			
Menagerie Expenses		3,297	6	8			
Keepers' Dresses.....		182	4	6			
Works and Materials	Gardens	3,850	19	1			
Ditto	Office	166	6	9			
Buildings		1,188	6	8			
Garden Expenses		849	18	9			
Advertisements		338	2	9			
Band Expenses		167	9	6			
House and Office Expenses	Gardens	440	6	8			
Ditto ditto	Office	680	3	4			
Stationery and Printing (Miscellaneous)		387	4	7			
Cost of Publications		2,519	0	0			
Cost of Zoological Record		560	12	10			
Library Expenses		515	9	11			
Returned Subscriptions.....		14	12	6			
Editorship of 'Zoological Record' (Davis Fund).....		73	9	4			
Zoological Lectures		55	0	0			
Cost of Silver Medal		3	16	0			
EXPENDITURE PAID IN 1897		27,705	10	6	27,705	10	6
Transferred to Deposit Account with Messrs. Drummond (Oct. 25) ...					2,000	0	0
Cash at the Banker's, December 31, 1897 :—							
General Account		£753	1	11			
Petty Cash Account		321	7	5			
					1,074	9	4
					30,779	19	10

Comparison of Receipts in 1897 with 1896.

<i>Receipts.</i>				
	Income of		Increase.	Decrease.
	1897.	1896.		
	£ s. d.	£ s. d.		
Admissions to Gardens..	17,261 6 0	15,667 7 0	1,593 19 0	.....
Riding Receipts.....	622 6 10	601 16 2	20 10 8	.....
Garden Sales	545 10 6	497 5 5	48 5 1	.....
Rent for Refreshment-Rooms	1,000 14 11	970 2 3	30 12 8	.....
Rent for Rooms at Hanover Square.....	180 2 0	150 13 0	29 9 0	.....
Admission Fees:—				
Past.....	110 0 0	105 0 0	5 0 0	.....
Present	685 0 0	835 0 0	.....	150 0 0
Annual Subscriptions:—				
Past.....	18 0 0	48 0 0	.....	30 0 0
Present	5,863 6 0	5,785 0 0	78 6 0	.....
Future	171 0 0	150 0 0	21 0 0	.....
Compositions	930 0 0	1080 0 0	.....	150 0 0
Publications	743 13 8	667 12 4	76 1 4	.....
Zoological Record	354 2 6	330 6 3	23 16 3	.....
Dividends and Interest..	112 17 0	101 10 8	11 6 4	.....
Miscellaneous.....	115 5 1	91 17 3	23 7 10	.....
	28,713 4 6	27,081 10 4	1,961 14 2	330 0 0
Increase .....	.....	1,631 14 2	330 0 0	Ded. Decr.
	28,713 4 6	28,713 4 6	1,631 14 2	.....
<p>Total Receipts in 1897 £28,713 4 6</p> <p>Total Payments in 1897..... 27,705 10 6</p> <hr style="width: 50%; margin: auto;"/> <p>Receipts over Payments £1007 14 0</p>				
<i>Dr. Cash</i>				
			£ s. d.	
To Balance brought from December 31, 1896			1,066 15 4	
To Income received in 1897 ..			28,713 4 6	
To Transfer from Deposit Account			1,000 0 0	
			30,779 19 10	

Comparison of Payments in 1897 with 1896.

<i>Payments.</i>				
	Expenditure of		Increase.	Decrease.
	1897.	1896.		
	£ s. d.	£ s. d.	£ s. d.	£ s. d.
Rent, Rates, Taxes, and Insurance	1,801 12 0	1,577 12 5	223 19 7	.....
Salaries and Pensions	5,500 6 8	5,508 10 0	.....	8 3 4
Provisions	3,779 17 2	3,665 3 0	114 14 2	.....
Cost and Carriage of Animals	1,333 4 10	1,164 5 11	168 18 11	.....
Menagerie Expenses	3,297 6 8	3,261 11 9	35 14 11	.....
Keepers' Dresses	182 4 6	164 17 6	17 7 0	.....
Works, Materials, &c.....	4,017 5 10	2,595 13 10	1,421 12 0	.....
Buildings	1,188 6 8	2,600 0 0	.....	1,411 13 4
Garden Expenses	849 18 9	871 0 10	.....	21 2 1
Advertisements	338 2 9	293 4 0	44 18 9	.....
Band Expenses	167 9 6	163 19 0	3 10 6	.....
House and Office Expenses..	1,120 10 0	1,100 18 3	19 11 9	.....
Stationery and Printing	387 4 7	388 4 9	.....	1 0 2
Cost of Publications	2,519 0 0	1,722 1 8	796 18 4	.....
Cost of 'Zoological Record'..	560 12 10	681 6 4	.....	120 13 6
Library Expenses	515 9 11	493 18 9	21 11 2	.....
Expenditure of Davis Bequest	73 9 4	73 9 4	.....	.....
Zoological Lectures	55 0 0	55 17 6	.....	0 17 6
Miscellaneous.....	18 8 6	24 1 4	.....	5 12 10
	27,705 10 6	26,405 16 2	2,868 17 1	1,569 2 9
Increase ..	.....	1,299 14 4	1,569 2 9	Ded. Decr.
	27,705 10 6	27,705 10 6	1,299 14 4	.....
Ordinary Payments	25,329 14 11	23,788 1 2	1,541 13 9	.....
Extraordinary ditto	2,375 15 7	2,617 15 0	.....	241 19 5
	27,705 10 6	26,405 16 2	1,299 14 4	.....
<i>Contra</i>			<i>Cr.</i>	
			£ s. d.	
By Expenditure paid in the year.....			27,705 10 6	
By Transfer to Deposit Account			2,000 0 0	
By Balance carried forward to 1898			1,074 9 4	
			30,779 19 10	

Assets and Liabilities of the Society on December 31, 1897.

ASSETS.

	£	s.	d.
Animals in the Menagerie in the Regent's Park, say	21,000	0	0
Books in the Library at Hanover Square	17,345	0	0
Unsold Publications	2,127	10	6
Stock of the Zoological Record	976	10	0
Freehold Premises at Hanover Square	25,000	0	0
Present Value of £1,900 London and South-Western Railway New 4 per cent. Preference Stock (Davis Trust Fund), @ 137½	2,612	10	0
On Deposit at Messrs. Drummond	3,000	0	0
Cash at the Bankers (Messrs. Drummond)	1,074	9	4
Debts due to the Society, considered good:—	£	s.	d.
Rent for Refreshment-Rooms	78	12	2
Rent for Rooms at Hanover Square	38	15	0
Garden Sales	209	3	4
Fellowship Subscriptions	74	0	0
Publication Sales	130	3	7
	<hr/>		
		530	14 1
	<hr/>		
	£73,666 13 11		
	<hr/> <hr/>		

LIABILITIES.

	£	s.	d.
Rent and Taxes unpaid	221	10	4
Bills, &c., say	859	0	10
Messrs. Isler & Co., New bore in Well	1,188	18	0
	<hr/>		
	£2,269 9 2		
	<hr/> <hr/>		

We certify that we have examined the above Accounts of Receipts and Expenditure and that they are in accordance with the Books of the Society, and that the items of Expenditure are properly vouched.

GERALD E. H. BARRETT-HAMILTON.

WALTER CROUCH.

PHILIP CROWLEY.

WILLIAM E. DE WINTON.

HAMILTON H. DRUCE.

EDWIN LUDLOW.

ARTHUR SMITH WOODWARD.

Committee of Auditors.

ZOOLOGICAL SOCIETY OF LONDON,
3 Hanover Square, W.

February 24, 1898.

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1874 ..			9s.	12s.†	36s.	48s.†
1875 ..			9s.	12s.	36s.	48s.
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1877 ..			9s.	12s.	36s.	48s.
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-
- Catalogue of the Library of the Zoological Society of London. (Fourth Edition.) Cloth, 8vo. 1887. Price 4s.

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