

REPORT  
OF THE  
COUNCIL  
OF THE  
ZOOLOGICAL SOCIETY  
OF LONDON,  
FOR THE YEAR 1896.

READ AT THE ANNUAL GENERAL MEETING,

APRIL 29<sup>TH</sup>, 1897.

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## REPORT OF THE COUNCIL.

April 29, 1897.

THE Council have the pleasure of submitting to the Fellows assembled at the sixty-eighth 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. 9) to the business transacted at the Office in Hanover Square, and the last (p. 32) to the state of the Gardens and Menagerie in the Regent's Park.

### I. GENERAL CONDITION OF THE SOCIETY.

#### 1. STATE OF THE ROLL OF MEMBERS.

##### a. *Fellows.*

The number of Fellows and Fellows Elect on the 1st of January, 1897, was 3098, classified as follows:—

Compounders who have paid £20 . . . . .	5
Ditto ditto £30 . . . . .	935
Compositions remitted . . . . .	17
Paying annual contributions of £2 . . . . .	2
Ditto ditto £3 . . . . .	1928
Dormant . . . . .	183
Admission-fees unpaid . . . . .	28
	<hr/>
Total	3098

The Council have great satisfaction in calling attention to the substantial increase thus shown in the number of the Fellows of the Society, the corresponding total at the close of the year 1895 having been only 3027. This gives an addition of 71 to the roll of Fellows during 1896. The number of new Fellows that joined the Society in that year was 207. This was ten more than the corresponding number in 1895, and shows a larger number of elections than in any previous year since 1877.

*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.			
1887.	138	4	20	...	7	68	1	67	...	...	10	3	180	3104
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	33	...	...	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

*b. Corresponding Members.*

There have been no vacancies in the List of Foreign Members since the last Anniversary, but the following nine gentlemen have been elected to fill vacancies in the List of Corresponding Members since the last Report was issued :—

Prof. Dr. Carlos Berg, of the National Museum, Buenos Aires.

Alan R. Birdwood, Esq., of Cairo, Egypt.

Prof. Dr. Karl Kraepelin, of the Natural History Museum, Hamburg.

Herr Paul Matschie, of the Natural History Museum, Berlin.

Sir Cornelius A. Moloney, K.C.M.G., Governor of the Windward Islands.

Charles Palmer, Esq., of the Customs Department, Mombasa.

William H. Treacher, Esq., C.M.G., British Resident, Selangor.

Frederick W. True, Esq., of the Smithsonian Institution, Washington.

William A. Churchill, Esq., of H.B.M. Consular Service.

## 2. STATE OF THE FINANCES.

### a. *Income.*

The Council have again the pleasure of being able to announce an increase of the Income of the Society during the past year. This augmentation, it is true, was but small, amounting to only £123 1s. 3*d.*, but as the year 1895 was likewise a successful year and exhibited a considerable increase over 1894, the Council have no reason to be dissatisfied with the results of 1896. As will be seen by the table given below, the variations under the different heads of income from the corresponding amounts in the previous year were not material. The receipts for admissions to the Gardens increased by £27 9*s.* 0*d.*, but the riding-receipts fell off by £160 11*s.* 10*d.*, owing, mainly, to the death of the large Indian Elephant on March 8th, 1896. The chief increase took place in the receipts from Annual Subscriptions which was consequent upon the large accession to the List of Fellows of the Society. The following Table gives a comparison of the Receipts under the various heads to which the Income is referred for the two years 1896 and 1895:—

	Income of		Increase.	Decrease.		
	1896.	1895.				
	£	s. d.	£	s. d.		
Admissions to Gardens .....	15,667	7 0	15,639	18 0	27 9 0	
Riding Receipts .....	601	16 2	762	8 0		160 11 10
Garden Sales.....	497	5 5	394	13 4	102 12 1	
Rent for Refreshment-Rooms ...	970	2 3	975	2 9		5 0 6
Rent for Rooms at Hanover Square .....	150	13 0	138	3 0	12 10 0	
Admission Fees:—						
Past .....	105	0 0	90	0 0	15 0 0	
Present .....	835	0 0	800	0 0	35 0 0	
Annual Subscriptions:—						
Past .....	48	0 0	15	0 0	33 0 0	
Present .....	5,785	0 0	5,655	3 0	129 17 0	
Future .....	150	0 0	123	0 0	27 0 0	
Compositions.....	1080	0 0	1,140	0 0		60 0 0
Publications .....	667	12 4	671	10 4		3 18 0
Zoological Record.....	330	6 3	342	0 9		11 14 6
Dividends and Interest .....	101	10 8	76	5 9	25 4 11	
Miscellaneous .....	91	17 3	135	4 2		43 6 11
	27,081	10 4	26,958	9 1	407 13 0	284 11 9
Increase .....			123	1 3	284 11 9	Ded. Decr.
	27,081	10 4	27,081	10 4	123 1 3	

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.
	£		£
1877 .....	30,988	1887 .....	23,102
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

#### b. Expenditure.

The total ordinary Expenditure of the year 1896 amounted to £23,788 1s. 2d., showing an increase of £327 4s. 4d. over that of 1895. As will be seen by the subjoined table there was a slight augmentation in the cost of Provisions, and an increase of £240 2s. 11d. in the amount spent on Publications, while the other minor items (except that of the Purchase and Carriage of Animals, which was less by £376 15s. 4d.) do not present features calling for remark. It should, however, be

noticed that the amount spent in works and materials used for ordinary maintenance in the Society's Gardens in 1896 was less by £1,192 10s. 6d. than the corresponding amount in 1895. This economy was effected because, it having been determined to erect a large new building in the Society's Gardens in 1896, it was thought proper to place some restriction on the amount expended on ordinary Works and Repairs. This building was the new house for Ostriches and Cranes, concerning which details will be found in a subsequent part of the Report (p. 32). The amount on account of the new Ostriches and Cranes house, paid in 1896, was £2,600, which was charged to Extraordinary Expenditure. The sum of £17 15s. paid on account of the new 'List of Animals in the Gardens' (which was issued in November last) was likewise charged to Extraordinary Expenditure, raising the total of Extraordinary Expenditure of 1896 (*i. e.*, for items not included in the Estimate for that year) to £2,617 15s.

In the following Table the expenditure of 1896 under its various heads is stated, and a comparison with the corresponding amount paid in 1895 is added:—

	Expenditure of		Increase.	Decrease.								
	1896.	1895.										
	£	s.	d.	£	s.	d.	£	s.	d.			
Rent, Rates, Taxes, and Insurance ...	1,577	12	5	1,607	4	3			29	11	10	
Salaries and Pensions.....	5,508	10	0	5,429	3	4	79	6	8			
Provisions .....	3,665	3	0	3,558	11	3	106	11	9			
Cost and Carriage of Animals .....	1,164	5	11	1,541	1	3			376	15	4	
Menagerie Expenses .....	3,261	11	9	3,349	16	3			88	4	6	
Keepers' Dresses .....	164	17	6	170	0	0			5	2	6	
Works, Materials, &c. ....	2,595	13	10	3,788	4	4			1,192	10	6	
Buildings .....	2,600	0	0				2,600	0	0			
Garden Expenses.....	871	0	10	807	19	7	63	1	3			
Advertisements.....	293	4	0	323	9	7			30	5	7	
Band Expenses .....	163	19	0	175	11	6			11	12	6	
House and Office Expenses .....	1,100	18	3	1,044	4	6	56	13	9			
Stationery and Printing .....	388	4	9	388	9	9			0	5	0	
Cost of Publications .....	1,722	1	8	1,481	18	9	240	2	11			
Cost of 'Zoological Record' .....	681	6	4	836	7	5			155	1	1	
Library Expenses.....	493	18	9	456	7	2	37	11	7			
Expenditure of Davis Bequest.....	73	9	4	73	9	4						
Zoological Lectures.....	55	17	6				55	17	6			
Miscellaneous .....	24	1	4	78	17	8			54	16	4	
	26,405	16	2	25,110	15	11	3,239	5	5	1,944	5	2
Increase .....				1,295	0	3	1,944	5	2	Ded. Decr.		
	26,405	16	2	26,405	16	2	1,295	0	3			
Ordinary Payments.....	23,788	1	2	23,460	16	10	327	4	4			
Extraordinary ditto.....	2,617	15	0	1,649	19	1	967	15	11			
	26,405	16	2	25,110	15	11	1,295	0	3			

Thus the total Expenditure of the Society both Ordinary and Extraordinary for 1896 is found to amount to £26,405 16s. 2d., being £1295 0s. 3d. in excess of that of 1895. At the same time, it may be remarked, the Income of 1896 amounted to £27,081 10s. 4d., showing that there was a surplus of Income over Expenditure in 1896 to the amount of £675 14s. 2d.

The Balance brought forward on Jan 1st, 1896, from the preceding year was £1391 1s. 2d., which, when added to the Income received in 1896, gave a gross total of £28,472 11s. 6d. available for Expenditure in 1896. This was disposed of in the following manner:—

The Expenditure paid in the year, as already stated, was £26,405 16s. 2d. The sum of £1,000 was transferred to a Reserve Account, and added to a similar sum of £1,000 carried to the same account in 1895. The Balance of £1,066 15s. 4d. was carried forward to the benefit of the present year.

Thus the Balance-Sheet of the Society for 1896 may be shortly stated as follows:—

<i>Receipts, 1896.</i>			<i>Payments, 1896.</i>		
	£	s. d.		£	s. d.
Balance brought from December 31, 1895 .....	1,391	1 2	Expenditure paid in the year .....	26,405	16 2
Income received in 1896.....	27,081	10 4	Transfer to Deposit Account.....	1,000	0 0
	<u>£28,472</u>	<u>11 6</u>	Balance carried forward to 1897 ...	1,066	15 4
				<u>£28,472</u>	<u>11 6</u>

### *c. Assets and Liabilities.*

The Assets and Liabilities of the Society on December 31, 1896, were estimated as follows:—



## ASSETS.

	£	s.	d.
Animals in the Menagerie in the Regent's Park .....	21,398	5	0
Books in the Library at Hanover Square .....	16,988	0	0
Unsold Publications.....	2,010	0	6
Stock of the 'Zoological Record' .....	1,048	0	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), @ 135 .....	2,565	0	0
Cash at the Bankers (Messrs. Drummond) .....	1,066	15	4
On Deposit at Messrs. Drummond .....	2,000	0	0
Arrears considered good :—	£	s.	d.
Rent for Refreshment-Rooms.....	62	16	9
Rent for Rooms at Hanover Square .....	45	0	0
Garden Sales.....	263	18	2
Fellowship Subscriptions.....	55	0	0
Publication Sales .....	134	16	5
Ivory Ticket Subscriptions .....	3	3	0
		564	14 4
		<u>£72,640</u>	<u>15 2</u>

## LIABILITIES.

	£	s.	d.
Rent and Taxes unpaid .....	366	12	6
Bills, &c., estimated .....	1,312	18	2
Messrs. Smith & Co., balance for New Ostrich-house.....	883	0	0
		<u>£2,562</u>	<u>10 8</u>

## II. OFFICE, 3 HANOVER SQUARE.

## 1. THE STAFF.

A re-arrangement of the work in the Society's Office has been found necessary in consequence of the retirement of two of the Officers. Mr. W. J. Williams, the Senior Clerk, who had been in the Society's service for upwards of 37 years, retired at the close of last year upon a well-earned pension, and Mr. W. H. Cole has been appointed Senior Clerk in his place. The charge of the Scientific Meetings and Publications has now been assigned to Mr. George A. Doubleday, lately Assistant in the Society's Library. Mr. R. Paraman, 2nd Clerk in the Office, has also retired from ill-health, after 33 years' service, upon a pension. Temporary means have been taken to supply the assistance

rendered requisite by these retirements, but the Council do not contemplate the necessity of making any definite appointments at present.

## 2. SCIENTIFIC MEETINGS.

To the thirteen meetings for the despatch of scientific business held in the Society's Rooms in Hanover Square, in 1896, 103 communications were made. Of these, 76 were from Fellows, and 2 from Corresponding Members. The remaining 25 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 1895 was 110.

These communications were submitted to the Committee of Publication, by whom 79 were ordered to be printed entire in the 'Proceedings' and 1 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.

## 3. SCIENTIFIC PUBLICATIONS.

### a. *Proceedings.*

The volume of 'Proceedings' for 1896 contains 1110 pages illustrated by 52 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.
1887 . . . .	55	730
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

b. *Transactions.*

Of the Society's quarto 'Transactions' two parts were published in 1896, viz. :—

## VOL. XIV. PART I. (April 1896).

On a Nothosaurian Reptile from the Trias of Lombardy, apparently referable to *Lariosaurus*. By G. A. Boulenger, F.R.S. (With one Plate.)

On the *Lepidosiren* of Paraguay, and on the External Characters of *Lepidosiren* and *Protopterus*. By E. Ray Lankester, M.A., F.R.S., F.Z.S., Linacre Professor of Comparative Anatomy in the University of Oxford. (With one Plate.)

## VOL. XIV. PART II. (Oct. 1896).

On a Collection of Fishes from the Rio Paraguay. By G. A. Boulenger, F.R.S. (With six Plates.)

By the issue of these two parts the whole of the arrears for the 'Transactions' have now been made up, except one paper by Messrs. H. J. Elwes, F.Z.S., and J. Edwards, F.Z.S., containing a Revision of the European and Asiatic Butterflies of the Family Hesperidæ, which was read on June 2, 1896. The plates for this memoir are now in preparation, and it is hoped that the part of 'Transactions' containing it will be ready for issue in October next.

c. *New List of Animals.*

A new edition of the List of Animals in the Society's Collection, of which the last (the 8th) was published in 1883, has been prepared under the direction of the Secretary. It contains a List of all the specimens of Vertebrated animals that have been received by the Society during the past twelve years. The volume was published and issued to all subscribers to the Publications in November last. Copies of it can be obtained at the Society's office by Fellows and other Members at the reduced price of 3s. 6d.

d. *Zoological Record.*

The 32nd volume of the 'Zoological Record' (which contains a summary of the work done by zoologists all over the world in 1895), edited by Dr. David Sharp, F.R.S., was published and issued to subscribers on December 4th, 1896.

e. *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, Stuttgart.

- 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 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 and Imperial University, Tōkyō.

## RUSSIA.

- The Natural-History Society, 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 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 New-York Academy of Sciences, New York.  
 The Academy of Natural Sciences, Philadelphia.  
 The American Philosophical Society, Philadelphia.  
 The 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.

Many important additions were made to the Society's Library in 1895, 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<sup>er</sup> Prince Souverain de

## 4. LIBRARY.

The Library, under the superintendence of Mr. F. H. Waterhouse, the Society's Librarian, has been maintained in good order throughout the year and has been much resorted to by working naturalists. Altogether 1360 visits have been paid to it by Fellows and persons introduced by them. About 1300 volumes have been borrowed from it under the usual regulations.

Many important additions to it have been 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<sup>er</sup> Prince Souverain de Monaco. Fasc. x. 1896. Presented by Prince Albert 1st of Monaco.
- Anderson. A Contribution to the Herpetology of Arabia. 1896. Presented by the Author.
- Bernard. Catalogue of the Madreporarian Corals in the British Museum. Vol. ii. Presented by the Trustees of the British Museum.
- Boulenger. Catalogue of the Snakes in the British Museum. Vol. iii. Presented by the Trustees of the British Museum.
- Gregory. Catalogue of the Fossil Bryozoa in the British Museum, 1896. Presented by the Trustees of the British Museum.
- Haeckel. Systematische Phylogenie der Wirbellosen Thiere (Invertebrata). Theil ii. 1896. Presented by the Author.
- Hamilton. The Wild Cat of Europe. 1896. Presented by the Author.
- Morphologisches Jahrbuch. xxiii., Heft. 3, 4; xxiv., Heft. 1-4. Presented by Prof. Carl Gegenbaur.
- Palacký. Die Verbreitung der Fische. 1891.
- Pilsbry. Catalogue of the Marine Mollusks of Japan. 1895. Presented by Dr. David Sharp.
- Reuter. Ueber die Palpen der Rhopaloceren. 1896. Presented by the Author.
- Revista do Museu Paulista. Vol. i. Presented by H. von Jhering.
- Salvadori. Catalogue of the Chenomorphæ, Crypturi, and Ratitæ in the British Museum. Presented by the Trustees of the British Museum.
- Saunders and Salvin. Catalogue of the Gaviæ and Tubinares in the British Museum. Presented by the Trustees of the British Museum.
- Sharpe. Catalogue of the Limicolæ in the British Museum. Presented by the Trustees of the British Museum.
- Woodward. Catalogue of the Fossil Fishes in the British Museum. Part iii. Presented by the Trustees of the British Museum.



The following is a list of the principal zoological works in course of publication of which parts were purchased in 1896:—

- André. Species des Hyménoptères. Tome v. fasc. 53, 55; vi. fasc. 54, 56.
- Barrett. Lepidoptera of the British Islands. Parts xxix.—xxxiv.
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- Godman and Salvin. Biologia Centrali-Americana. Zoology, Parts cxxvii.—cxxxii.; Archæology, Parts vi., vii. Text and Plates.
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- Green. The Coccidæ of Ceylon. Part i.
- Hampson. Fauna of British India. Moths. Vol. iv.
- Heyne. Die exotischen Käfer. Lief. 4–6.
- Kobelt. Rossmässler's Iconographie der europäischen Land- und Süßwasser-Mollusken. N. F. Band vii., Lief. 5, 6.
- Lee. Among British Birds. Parts i., ii.
- Leuckart and Chun. Bibliotheca Zoologica. Heft xix. Lief. 3; xx. Lief. 2; xxi. Lief. 2.
- Lilford. British Birds. Parts xxxii., xxxiii.
- Martini and Chemnitz. Conchylien-Cabinet. Lief. 419–424.
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- Poynting. Eggs of British Birds (*Limicolæ*). Part iii.
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- Rippon. Icones Ornithopterorum. Part x.
- Rothschild. Novitates Zoologicæ. Vol. iii. Nos. 1–4.
- Royal Natural History. Vol. v. Parts 27–29; Vol. vi. Parts 30–36.
- Russ. Fremdlandische Stubenvögel. Band ii. Lief. 12–14.
- Rye. British Macro-Lepidoptera. Vol. i. Parts 3, 4.
- Sacco. I Molluschi dei Terreni terziarii del Piemonte e della Liguria. Parts xviii., xix.

- Saunders. Hymenoptera Aculeata of the British Islands. Parts xii., xiii.  
 Slater and Thomas. Book of Antelopes. Parts v.-vii.  
 Semper. Reisen im Archipel der Philippinen. Theil 2, Band vi., Lief. 1.  
 Sharpe. Monograph of the *Paradiseidæ*. Part vi.  
 Smith and Kirby. Rhopalocera Exotica. Parts xxxv.-xxxviii.  
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The Boston Society of Natural History, Boston.  
Proceedings, vol. xxvi., part 4; vol. xxvii., part 1.  
Memoirs, vol. v., nos. 1, 2.

The Museum of Comparative Zoölogy, Harvard College,  
Cambridge, Mass.  
Memoirs, vol. xxii.  
Bulletin, vol. xxvii., no. 7; xxviii., nos. 2, 3; xxix., nos. 1-6;  
xxx., nos. 1-3.  
Annual Report, 1894-95, 1895-96.

The Chicago Academy of Sciences, Chicago.  
Bulletin, vol. ii., no. 2.

The Nova-Scotian Institute of Science, Halifax.  
Proceedings and Transactions, ser. 2, vol. ii., part 1.

The "Antonio Alzate" Scientific Society, Mexico.  
Memorias y Revista, tomo ix., nos. 1-8.

The Royal Society of Canada, Montreal.  
Proceedings and Transactions, ser. 2, vol. i.

The American Museum of Natural History, New York.  
Bulletin, vol. vii.  
Annual Report, 1895.

**The Linnean Society, New York.**

Abstract of Proceedings, for the year ending March, 1896.

**The New York Academy of Sciences, New York.**

Annals, vol. viii., nos. 6-12; ix., nos. 1-3.

Transactions, vol. xiv.

Memoirs, vol. i., part 1.

**The Rochester Academy of Arts and Sciences, New York.**

Proceedings, vol. ii., parts 3, 4.

**The Geological Survey of Canada, Ottawa.**

Annual Report, vol. vii.

**The Academy of Natural Sciences, Philadelphia.**

Journal, ser. 2, vol. x., part 3.

Proceedings, 1895, part 2; 1896, part 1.

**The American Entomological Society, Philadelphia.**

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

Entomological News, vol. vii., nos. 1-10.

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Proceedings, vol. xxxiv., nos. 148, 149; xxxv., nos. 150, 151.

**The Franklin Institute, Philadelphia.**

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**The Biological Society, Washington.**

Bulletin, vol. x., pp. 1-134.

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Memoirs, vol. vii.

**The Smithsonian Institution, Washington.**

Contributions to Knowledge, vols. 30-32.

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Bulletin, vol. xv.

**The United States Geological Survey, Washington.**

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Annual Reports, 15th and 16th.

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Proceedings, vol. xvii.

Bulletin, no. 48.

**The United States Department of Agriculture, Washington.**

(Division of Ornithology and Mammalogy.)

Bulletin, no. 8.

North American Fauna, nos. 9-12.

(Division of Entomology.)

Bulletin, New Series, nos. 1-6.

Technical Series, nos. 2-4.

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Economic Entomology, Part 5.**The Natural History Society of Wisconsin.**

Occasional Papers, no. 3 (1896).

**AMERICA (SOUTH).****The National Museum of Buenos Ayres.**

Anales, Tomo iv., part 1.

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Boletin, tomo xiv., Entr. 3, 4.

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Revista, tomo vi., part 2 ; vii. part 1.

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The Natural History Society of Queensland, Brisbane.

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The Linnean Society of New South Wales, Sydney.

Proceedings, ser. 2, vol. x., parts 2-4 ; xxi., parts 1-3.

The Royal Society of New South Wales, Sydney.

Journal and Proceedings, vol. xxix.

The New-Zealand Institute, Wellington.

Transactions and Proceedings, vol. xxviii.

AUSTRIA.

The Academy of the University, Cracow.

Bulletin, 1895, nos. 8, 9 ; 1896, nos. 1-10.

The Imperial Academy of Sciences, Vienna.

Denkschriften, Band lxi., lxii.

Sitzungsberichte, Band ciii., Heft. 4-10 ; cvi., Heft. 1-10.

The Zoological and Botanical Society, Vienna.

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## BELGIUM.

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Journal, vol. ix., no. 5; x. nos. 1-3.

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Journal, vol. lxiv., part 2, no. 3; lxv., part 2, nos. 1, 2.

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Bulletin, 1895, nos. 7, 8; 1896, nos. 1-6.

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**JAPAN.****The Imperial University, Tōkyō.**

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

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Bihang, vols. xx., xxi.

SPAIN.

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## SWITZERLAND.

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## WEST INDIES.

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Journal, vol. ii., no. 3.

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Donations, Memoirs, and Papers have also been received from:—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; Gambier Bolton, Esq.; Mons. A. Boucard; the British Museum; the Cage Bird Club; John Calvert, Esq.; Dr. R. Collett; W. H. Dall, Esq.; Mons. J. P. Durand; J. Hartley Durrant, Esq.; the East India Association; John Egerman, Esq.; D. G. Elliot, Esq.; Col. H. W. Feilden; the Field Columbian Museum; J. H. Gurney, Esq.; G. D. Haviland, Esq.; the India Museum; the India Office; the Institute of Jamaica; Dr. H. von Jhering; Dr. G. Lindsay Johnson; Dr. A. Kölliker; the Museum Lund; Prof. W. C. MacIntosh; the Madras Government; the Manchester Museum; Prof. O. C. Marsh; H. A. Meyer, Esq.; the Editor of 'Nature'; Dr. A. Nehring; R. B. Newton, Esq.; the New York Zoological Society; W. E. Nicholson, Esq.; A. J. North, Esq.; Dr. C. G. J. Petersen; the Zoological Society of Philadelphia; Dr. R. A. Philippi; the Royal College of Physicians; 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; the Salford Museum; the Editor of 'Science Gossip'; P. L. Sclater, Esq.; C. Davies Sherborn, Esq.; Dr. R. W. Shufeldt; the South African Museum; the South Australian Zoological and Acclimatisation Society; Dr. E. C. Stirling; Swale Vincent, Esq.; the Lord Walsingham; Dr. Max Weber; A. Smith Woodward, Esq.; the Zoological and Acclimatisation Society of Victoria.

### III. GARDENS, REGENT'S PARK.

#### 1. WORKS AND REPAIRS.

In consequence of the favourable result of the finances of 1896 the Council were encouraged to undertake the erection of one of the new buildings which are still required for the proper housing and exhibition of the extensive collection of animals in the Gardens. The building selected as claiming first attention was one for the accommodation of the Cranes and Storks on one side and of the Ostriches and their allies on the other. This building, to be placed in the middle of the enclosures south of the Monkey-house, had been planned some years ago, but its execution had been delayed in consequence of a want of the necessary means.

The final plans for the new building were prepared for the Society by Mr. C. B. Trollope early last year, and the contract for its execution was entrusted to Messrs. Smith and Co., of Mount Steet, who have done other works for the Society. The building was finished in March this year, and the internal fittings have since been completed. The rearrangement of the yards which border both sides of the building externally is also very nearly complete, and the whole will, it is expected, be entirely finished by the 1st of May.

The new Ostrich and Crane-house seems to be well adapted for its purpose and will, it is expected, enable the two important groups of birds, for the better accommodation of which it has been planned, to be housed and



exhibited in a thoroughly satisfactory manner. The southern half of the building, which is devoted to the Ostriches and their allies of the Ratite group, contains 12 compartments, of which the centre one will be kept at rather a higher temperature for the Ostriches. The northern half of the building, which is assigned to the Cranes and Storks, contains 16 compartments, with corresponding enclosures on the outside. The new house will render unnecessary the removal of the more delicate of these birds from their usual quarters during the winter season, and will enable them to be viewed all the year round.

The contract price at which the new Ostrich and Crane-house was to be executed by Messrs. Smith and Co. was £3383. Of this the sum of £2500 was paid in 1896. Although some minor alterations were made during the progress of the work, the total contract price was not exceeded. The remaining sum of £883 has since been paid to Messrs. Smith and Co., and will be charged to the Extraordinary Expenditure of the present year.

Besides the new building just mentioned, a large number of smaller works and repairs were carried out by the Staff in the Society's employ under the superintendence of Mr. Clarence Bartlett (the Assistant Superintendent, and Clerk of the Works) in 1896. The Hyæna and Bears' Dens were cleaned, repaired, and painted throughout. The Civet-Cats' house was repaired and painted, and new hot-water pipes were attached to it. A row of new cages for some of the more hardy small Carnivora was built outside the Small Cats' house. The boundary-fence between the east end of the Southern Gardens and the Broad-Walk being out of repair, about 100 yards of it were renewed in 1896, and a further portion of it will be renewed during the present year. The Ladies' Waiting-room in the Middle Gardens, near the Parrot-house, was repaired and enlarged, and further accommodation was provided in it. Besides these repairs, the necessary attention was paid to the numerous walks and paths throughout the Gardens, and the painters were kept at work on the iron fences and railings throughout the summer.

## 2. STAFF.

The Staff at the Gardens remains nearly the same as at the last Anniversary, no material alterations having been made in it.

It consists of a Superintendent and Assistant Superintendent, who acts also as Clerk of the Works, a Head Keeper and twenty-two Keepers, three Money-takers, a Store-keeper, a Prosector's Assistant, and a Head Gardener—altogether 31 persons, employed at monthly salaries. Besides these there are 19 Helpers in the Menagerie, 13 Garden-labourers, 8 Artisans, 7 Painters, 9 Labourers, 2 Butchers, 1 Cook, 2 Firemen, 2 Night-Watchmen, 1 Time-keeper, and 2 Messengers, employed at weekly wages; so that the number of the whole staff may be reckoned at about 100.

## 3. VISITORS.

The total number of Visitors to the Society's Gardens in 1896 was 665,004, showing a decrease of 322 when compared with the corresponding number in 1895. The broken weather of the latter part of the year more than accounts for this slight decrease, to which it may be added that it has been found necessary to place some slight restrictions upon the number of School Children admitted by School Orders from the same School in each year. This regulation, as will be observed by the subjoined Table, caused a slight decrease in the number of School Children admitted free.

*Visitors to the Gardens.*

	1896.	1895.	Comparison.	
Fellows and Friends .....	173,513	170,260	Incr. 3,253	
Paying {	On ordinary days at 1s. each.	156,065	154,262	Incr. 1,803
	On Mondays and other days at 6d. each .....	251,182	254,141	Decr. 2,959
	Children under 12 years at 6d. each .....	59,729	59,675	Incr. 54
School Children (admitted free).....	24,515	26,988	Decr. 2,473	
	665,004	665,326	Decr. 322	

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, 1828-96.*

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		

\* Year of the Great Exhibition.  
† Year of the International Exhibition.  
‡ Year of the exhibition of the Prince of Wales's Indian Menagerie.

## 4. PROSECTOR'S DEPARTMENT.

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

The total number of deaths of animals in the Gardens during the year 1896 was 986 as against 1092 in 1895, thus showing a decrease of 106. The most important loss during the year was, perhaps, the Aye-aye, purchased so long ago as October 1887. Among the other deaths the more noticeable have been a male Indian Elephant, received in 1876 (which died on March 8th of peritonitis, after a short illness, induced probably from catching cold), a Patagonian Sea-Lion (the last specimen possessed by the Society), two Chimpanzees, two Ostriches, two young Lions, two young Tigers, and a Pangolin.

The Laboratory has been used for purposes of research by Mr. P. Chalmers Mitchell, and materials have been supplied to Dr. St. George Mivart, F.R.S., Dr. F. G. Parsons, Dr. A. Keith, and Mr. W. P. Pycraft.

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

1. "On the Oblique Septa ('Diaphragm' of Owen) in the Passerines and in some other Birds." P. Z. S. 1896, part i.

2. "A Note upon *Dissura episcopus*, with Remarks upon the Classification of the Herodiones." P. Z. S. 1896, part i.

3. "A Contribution to the Knowledge of the Anatomy of *Rhynchops*." P. Z. S. 1896, part i.

4. "On the Anatomy of a Grebe (*Aechmophorus major*), with Remarks upon the Classification of some of the Schizognathous Birds." P. Z. S. 1896, part iii.

5. "Contributions to the Anatomy of Picarian Birds.—Part ii. A note upon the Pterylosis of the Barbets and Toucans." P. Z. S. 1896, part iii.

6. "Contributions to the Anatomy of Picarian Birds.—Part iii. On some Points in the Anatomy of the Kingfishers." P. Z. S. 1896, part iii.

Other papers founded upon material supplied from the Prosector's department are:—

Dr. Mivart, "On the Hyoid Bones of *Nestor meridionalis* and *Nanodes discolor*." P. Z. S. 1896, part i.

P. Chalmers Mitchell, "On the Intestinal Tract of Birds." P. Z. S. 1896, part i.

P. Chalmers Mitchell, "A Contribution to the Anatomy of the Hoatzin (*Opisthocomus cristatus*)." P. Z. S. 1896, part iii.

Dr. F. G. Parsons, "Myology of Rodents.—Part ii. An Account of the Myology of the *Myomorpha*, together with a Comparison of the Muscles of the various Suborders of Rodents." P. Z. S. 1896, part i.

Dr. F. G. Parsons, "On the Anatomy of *Petrogale xanthopus* compared with that of other Kangaroos." P. Z. S. 1896, part iii.

## 5. MENAGERIE.

### a. Additions to the Menagerie in 1896.

The number of animals belonging to the first three classes of Vertebrates living in the Society's Menagerie at the close of 1896 was 2473. The corresponding number on the 31st of December, 1895, was 2369, as will be seen by the following Table:—

	December 31.		Comparison.
	1896.	1895.	
Mammals.....	902	768	Incr. 134
Birds .....	1,132	1,267	Decr. 135
Reptiles .....	439	334	Incr. 105
	2,473	2,369	Incr. 104

The total number of registered additions to the Menagerie in 1896 was 1459, of which 726 were acquired by presentation, 245 by purchase, 90 were bred in the Gardens, 263 were received on deposit, and 135 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

The following is a list of the more noticeable additions made to the Menagerie during the year 1896:—

1. A young male Manatee (*Manatus inunguis*) from the Rio Purus, Amazons, purchased January 4th. This animal was brought to Liverpool from Para by Capt. E. J. Collings, of the s.s. 'Obidense,' of the Red Cross Line.

2. Two young King Penguins (*Aptenodytes pennanti*), in down plumage, from Macquarie Island, south of New Zealand, brought home by Capt. C. S. Milward, of the s.s. 'Otarama,' and purchased January 7th.

3. A young male Klipspringer Antelope (*Oreotragus saltator*), from N.E. Africa, presented by Commander Alfred Paget, R.N., H.M.S. 'Dolphin,' Port Said.

4. A Hybrid Antelope, bred between the male of *Tragelaphus gratus* and a female *Tragelaphus spekii*, born in the Menagerie, Feb. 12th, 1896.

5. A fine young female Gorilla (*Anthropopithecus gorilla*), purchased March 6th. This animal (brought home by one of the African Steam-ship Company's vessels to Liverpool) was obtained in French Congoland. It did exceedingly well with us for some months, but died on August 16th.

6. A young male Markhoor (*Capra megaceros*), from the vicinity of Peshawar, British India, presented by Col. Paterson, March 18th.

7. A pair of a rather scarce species of Duiker Antelope

(*Cephalophus coronatus*), from West Africa, received in exchange, March 23rd.

8. A Silver-backed Fox (*Canis chama*), from Cape Colony, presented by C. W. Southey, Esq., of Culmstock, Schoombie Station, South Africa.

9. An Occipital Vulture (*Vultur occipitalis*), from South Africa, obtained by purchase June 24th.

10. A Temminck's Pangolin (*Manis temmincki*), said to have been procured in the Transvaal, and received on deposit June 29th.

11. A pair of Lettered Aracaris (*Pteroglossus inscriptus*) (probably from Para), purchased July 7th, new to the Collection.

12. An example of Brazza's Monkey (*Cercopithecus brazzae*) from French Congoland, purchased on July 17th, being the first specimen received alive of this rare and well-marked species. (See P. Z. S. 1893, pp. 255 and 443, pl. xxxiii.)

13. A fine adult female of Loder's Gazelle (*Gazella loderi*), from the Western Desert of Egypt, presented by A. R. Birdwood, Esq., of Cairo, and received August 6th. This species is new to the Collection.

14. Three Ivory Gulls (*Pagophila eburnea*), from Spitzbergen, presented by J. T. Studley, Esq., August 24th. Only one specimen of this Arctic species had been previously received, in 1880 (see P. Z. S. 1880, p. 538).

15. A rare Fruit-Bat (*Pteropus pselaphon*), from the Bonin Islands, obtained by Capt. Kemp in China, and presented September 2nd.

16. A Red-footed Squirrel (*Sciurus pyrrhopus*), from Monravia, West Africa, presented by Ellis Edwards, Esq.

17. Three Franklin's Gulls (*Larus franklini*), purchased at Liverpool, Oct. 9th, and stated to have been received from Chili. These are the first specimens of this black-headed Gull (kindly determined for us by Mr. Howard Saunders) that have reached the Collection.

18. A very fine and large series of Reptiles from Burmah, collected and presented to the Society by Mr. W. G. Bligh, and embracing specimens of 15 species new to the Collection.

A serious loss was occasioned to the Society's Menagerie in 1896 by the sudden death, on March 8th, of the male Indian Elephant ("Jung Pasha"), deposited in the Gardens by H.R.H. The Prince of Wales on his return from India in 1876, and for the past 20 years well known to all visitors to the Gardens. The presumed cause of its unexpected death will be found

mentioned in the Prosector's Report. To fill up the vacancy thus caused in the Elephant-house, the Council purchased in April last a young male Indian Elephant from Burmah, which has much improved during the past year and seems likely to do well.

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 1896.*

Clover . . . . .	114 $\frac{3}{4}$ loads.	Flounders ..	2178 lbs.
Hay . . . . .	136 „	Whitings ..	24,930 „
Straw . . . . .	217 $\frac{3}{4}$ „	Shrimps . . . . .	1256 quarts.
Oats . . . . .	136 qrs.	Rough Fish	10,048 lbs.
Wheat . . . . .	45 „	Fowl-heads	860
Beans . . . . .	3 „	Greens . . . . .	4854 bunches.
Maize . . . . .	65 „	Cabbage . . . . .	46 doz.
Bran . . . . .	314 „	Onions . . . . .	3 bush.
Canary . . . . .	16 $\frac{3}{4}$ „	Cress . . . . .	2646 bunches.
Hemp . . . . .	10 $\frac{1}{4}$ „	Nuts . . . . .	29 pecks.
Rape . . . . .	1 qr.	Lettuce . . . . .	308 score.
Millet . . . . .	5 $\frac{1}{2}$ qrs.	Apples . . . . .	145 bush.
Barley . . . . .	28 „	Pears . . . . .	47 bush.
Rice . . . . .	66 cwt.	Grapes . . . . .	933 lbs.
Oil-cake . . . . .	60 „	Dates . . . . .	1426 „
Mawseed ..	35 lbs.	Carrots . . . . .	216 cwt.
Buckwheat	6 $\frac{3}{4}$ qrs.	Oranges . . . . .	164 hundreds.
Nuts . . . . .	34 cwt.	Potatoes . . . . .	61 cwt.
Barley Meal	1 „	Cherries . . . . .	27 boxes.
Biscuits . . . . .	299 „	Marrows ..	31 doz.
Bread . . . . .	5663 qtns.	Melons . . . . .	6
Milk . . . . .	4953 qts.	Bananas. ..	1273 doz.
Eggs . . . . .	23,577	Beet . . . . .	11 „
Horses . . . . .	208	Parsnips ..	4 „
Goats . . . . .	204		

*b. List of Species new to the Collection exhibited during the year 1896.*

The following list contains the names of the specimens exhibited in 1896 which are referable to species not in-



cluded 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.

- 46 *a.* *Cercopithecus brazzae*, Milne-Edw. Brazza's  
Monkey.  
*Hab.* French Congoland.  
*a.* Female. Purchased, July 17, 1896. See P. Z. S.  
1896, p. 780.
- 347 *a.* *Erinaceus aethiopicus*, Ehrenberg. Ethiopian  
Hedgehog.  
*Hab.* Eastern Soudan.  
*a.* Presented by J. U. Coxen, Esq., Sept. 29, 1896.  
From the Eckomit Hills.
- 352 *a.* *Pteropus pselaphon*, Say. Hairy-footed Fruit-Bat.  
*Hab.* Bonin Islands.  
*a.* Presented by Capt. Kemp, Sept. 2, 1896. See P. Z. S.  
1896, p. 782.
- 353 *a.* *Pteropus gouldi*, Peters. Gould's Fruit-Bat.  
*Hab.* Australia.  
*a.* Purchased, May 1, 1896. See P. Z. S. 1896, p. 608.
- 380 *a.* *Sciurus pyrrhopus*, F. Cuv. Red-footed Squirrel.  
*Hab.* West Africa.  
*a.* Presented by Ellis Edwards, Esq., Sept. 23, 1896.  
From Monrovia. See P. Z. S. 1896, p. 782.
- 399 *a.* *Tamias asiaticus* (Gm.). Western Chipping  
Squirrel.  
*Hab.* Western North America.  
*a-c.* Presented by Alfred E. Speer, Esq., F.Z.S., Sept. 19,  
1896. From Washington Territory, U.S.A.

558 a. *Cephalophus coronatus*, Gray. Crowned Duiker-Bok.

*Hab.* West Africa.

a. Female. Purchased, Jan. 9, 1896.

b. Male; c, Female. Received in exchange, March 23, 1896. See P. Z. S. 1896, p. 506.

566 a. *Oreotragus saltator* (Bodd.). Klipspringer.

*Hab.* Africa.

a. Male. Presented by Commander Alfred Paget, R.N., Feb. 3, 1896. From Nubia. See P. Z. S. 1896, p. 303.

576 a. *Gazella leptoceros* (F. Cuvier). Loder's Gazelle.

*Hab.* Egypt.

a. Female. Presented by A. R. Birdwood, Esq., Aug. 6, 1896. See P. Z. S. 1896, p. 780.

666 a. *Cariacus paludosus* (Desm.). Marsh Deer.

*Hab.* Paraguay.

a. Male. Deposited, May 26, 1896.

714 a. *Manis temmincki*, Smuts. Temminck's Pangolin.

*Hab.* Transvaal.

a. Deposited, June 29, 1896. See P. Z. S. 1896, p. 780.

## ii. BIRDS.

295 a. *Poliospiza gularis* (Smith). Streaky-headed Grosbeak.

*Hab.* South Africa.

a, b. Presented by Miss Jessie Porter, Aug. 27, 1896.

511 a. *Chasmorhynchus niveus* (Bodd.). Carunculated Bell-bird.

*Hab.* Guiana.

a. Purchased, Sept. 3, 1896.

573 a. *Pteroglossus inscriptus*, Swains. Lettered Aracari.  
*Hab.* Brazil.

a-b. Purchased, July 7, 1896. See P. Z. S. 1896,  
 p. 780.

893 a. *Asturina magnirostris* (Gm.). Large-billed Hawk.  
*Hab.* South America.

a. Purchased, May 25, 1896.

1189 a. *Fuligula baeri* (Radde). Baer's Duck.  
*Hab.* India.

a. Presented by Frank Finn, Esq., F.Z.S., June 24,  
 1896. See P. Z. S. 1896, p. 780.

1245 a. *Columba evermanni*, Bp. Indian Stock-Dove.  
*Hab.* India.

a-c. Presented by Frank Finn, Esq., F.Z.S., June 24,  
 1896.

1372 a. *Callipepla squamata* (Vigors). Mexican Quail.  
*Hab.* Mexico.

a-f. Purchased, March 11, 1896.

1611 a. *Larus franklini*, Swains. Franklin's Gull.  
*Hab.* America.

a-c. Purchased, Oct. 9, 1896. From Chili. See P. Z. S.  
 1896, p. 782.

1475 a. *Turnix dussumieri* (Temm.). Dussumier's Hemi-  
 ponde.  
*Hab.* India.

a-c. Presented by Frank Finn, Esq., F.Z.S., June 24,  
 1896.

## iii. REPTILES.

- 51 a. *Testudo platynota*, Blyth. Flat-backed Tortoise.  
*Hab.* Burmah.  
 a-g. Presented by W. G. Bligh, Esq., Oct. 20, 1896.  
 See P. Z. S. 1896, p. 782.
- 92 a. *Emyda scutata*, Peters. Shielded River-Turtle.  
*Hab.* Burmah.  
 a-d. Presented by W. G. Bligh, Esq., Oct. 20, 1896.  
 See P. Z. S. 1896, p. 782.
- 122 a. *Pygopus lepidopus* (Lacép.). Limbless Lizard.  
*Hab.* Australia.  
 a-d. Deposited, Dec. 31, 1896.
- 127 a. *Calotes emma*, Gray. Emma's Lizard.  
*Hab.* Burmah.  
 a-f. Presented by W. G. Bligh, Esq., Oct. 20, 1896.  
 See P. Z. S. 1896, p. 782.
- 137 a. *Liolepis belliana*, Gray. Bell's Lizard.  
*Hab.* Burmah.  
 a-c. Presented by W. G. Bligh, Esq., Oct. 20, 1896.  
 See P. Z. S. 1896, p. 782.
- 149 a. *Liolemus tenuis* (Dum. & Bibr.). Slender Liolem.  
*Hab.* Chili.  
 a-i. Deposited, July 14, 1896.
- 165 a. *Phrynosoma blainvillii*, Gray. Blainville's Horned  
 Lizard.  
*Hab.* California.  
 c. Presented by Miss Noyes Lewis, Oct. 20, 1896.

- 225 a. *Mabuia doriæ*, Blgr. Doria's Lizard.  
*Hab.* Burmah.  
 a-f. Presented by W. G. Bligh, Esq., Oct. 20, 1896.  
 See P. Z. S. 1896, p. 782.
- 226 a. *Lygosoma labillardieri* (Gray). Labillardiere's Lizard.  
*Hab.* Australia.  
 a-h. Deposited, Dec. 31, 1896.
- 257 a. *Corallus madagascariensis* (Dum. & Bibr.). Madagascar Tree-Boa.  
*Hab.* Madagascar.  
 a. Deposited, June 24, 1896.
- 281 a. *Tropidonotus stolatus* (Linn.). Robed Snake.  
*Hab.* Burmah.  
 a-e. Presented by W. G. Bligh, Esq., Oct. 20, 1896.  
 See P. Z. S. 1896, p. 782.
- 291 a. *Lycodon aulicus* (Linn.). Aulic Snake.  
*Hab.* Burmah.  
 a. Presented by W. G. Bligh, Esq., Oct. 20, 1896.  
 See P. Z. S. 1896, p. 782.
- 303 a. *Hypsirhina enhydris* (Schneid.). Olivaceous Water-Snake.  
*Hab.* Burmah.  
 a, b. Presented by W. G. Bligh, Esq., Oct. 20, 1896.  
 See P. Z. S. 1896, p. 782.
- 315 a. *Coluber radiatus*, Schleg. Rayed Snake.  
*Hab.* Burmah.  
 a. Presented by W. G. Bligh, Esq., Oct. 20, 1896.  
 See P. Z. S. 1896, p. 782.

- 351 a. *Dipsadomorphus multimaculatus* (Boie). Well-spotted Snake.  
*Hab.* Burmah.  
 a, b. Presented by W. G. Bligh, Esq., Oct. 20, 1896.  
 See P. Z. S. 1896, p. 782.
- 359 a. *Tachymenis peruviana*, Wieg. Peruvian Snake.  
*Hab.* Chili.  
 a-g. Deposited, July 14, 1897. 6  
 h-j. Presented by Mr. A. E. Jamrach, Aug. 15, 1896.
- 368 a. *Psammophis condanarus* (Merr.). Condanar Sand-Snake.  
*Hab.* Burmah.  
 a. Presented by W. G. Bligh, Esq., Oct. 20, 1896.  
 See P. Z. S. 1896, p. 782.
- 379 a. *Diemenia textilis* (Dum. & Bibr.). Brown Death-Adder.  
*Hab.* Australia.  
 a-c. Deposited, July 24, 1896.
- 383 a. *Notechis scutatus* (Peters). Shielded Death-Adder.  
*Hab.* Australia.  
 a-f. Deposited, July 24, 1896.  
 g. Deposited, Dec. 31, 1896.
- 383 b. *Acanthopis antarcticus* (Shaw). Death-Adder.  
*Hab.* Australia.  
 a. Deposited, Dec. 31, 1896.
- 384 a. *Bungarus fasciatus*, Cantor. Banded Bungarus.  
*Hab.* Burmah.  
 a. Presented by W. G. Bligh, Esq., Oct. 20, 1896.  
 See P. Z. S. 1896, p. 782.

- 416 a. *Lachesis gramineus* (Shaw). Green Pit-Viper.  
*Hab.* Burmah.

a-k. Presented by W. G. Bligh, Esq., Oct. 20, 1896.  
 See P. Z. S. 1896, p. 782.

#### iv. BATRACHIANS.

- 18 a. *Calyptocephalus gayi*, Dum. & Bibr. Gay's Frog.  
*Hab.* Chili.

a-e. Deposited, July 14, 1896.

f. Received in exchange, Nov. 13, 1896.

- 21 a. *Paludicola bibroni* (Tschudi). Bibron's Frog.  
*Hab.* Chili.

a-f. Deposited, July 14, 1896.

- 33 a. *Bufo asper*, Gravenh. Rough Toad.  
*Hab.* Penang.

a. Presented by Stanley S. Flower, Esq., June 2, 1896.

c. *List of Animals bred in the Gardens during  
 the year 1896.*

#### MAMMALS.

- 2 Maholi Galagos (*Galago maholi*).  
 2 Pumas (*Felis concolor*).  
 4 North-African Jackals (*Canis anthus*).  
 2 Collared Fruit-Bats (*Cynonycteris collaris*).  
 4 Patagonian Cavies (*Dolichotis patachonica*).  
 1 African Wild Ass (*Equus tæniopus*).  
 1 Asiatic Wild Ass (*Equus onager*).  
 1 English Wild Cow (*Bos taurus*, var.).  
 1 Yak (*Poëphagus grunniens*).  
 1 Eland (*Oreas canna*).  
 1 Hybrid Pleasant Antelope (bred between *Tragelaphus  
 gratus* ♂ and *Tragelaphus spekii* ♀).

- 3 Thars (*Capra jemlaica*).
- 2 Burrhel Wild Sheep (*Ovis burrhel*).
- 4 Barbary Wild Sheep (*Ovis tragelaphus*).
- 1 Red Deer (*Cervus elaphus*).
- 2 Wapiti Deer (*Cervus canadensis*).
- 3 Japanese Deer (*Cervus sika*).
- 1 Huanaco (*Lama huanacos*).
- 1 Great Kangaroo (*Macropus giganteus*).
- 1 Brush-tailed Kangaroo (*Petrogale penicillata*).
- 1 Rufous Rat-Kangaroo (*Æpyprymnus rufescens*).

## BIRDS.

- 1 Japanese Greenfinch (*Ligurinus sinicus*).
- 2 Glossy Ibises (*Plegadis falcinellus*).
- 3 Mandarin Ducks (*Æx galericulata*).
- 6 Upland Geese (*Chloephaga magellanica*).
- 1 Australian Wild Duck (*Anas superciliosa*).
- 1 Rosy-billed Duck (*Metopiana peposaca*).
- 1 White-backed Pigeon (*Columba leuconota*).
- 4 Triangular-spotted Pigeons (*Columba guinea*).
- 3 Spotted Pigeons (*Columba maculosa*).
- 2 Half-collared Doves (*Turtur semitorquatus*).
- 4 Vinaceous Turtle-doves (*Turtur vinaceus*).
- 2 Himalayan Monauls (*Lophophorus impeyanus*).
- 8 Amherst's Pheasants (*Thaumalea amherstiae*).
- 2 Peacock Pheasants (*Polyplectron chinquis*).
- 4 Ypecaha Rails (*Aramides ypecaha*).
- 2 Pratincoles (*Glareola pratincola*).

## REPTILES.

- 4 Ocellated Sand-Skins (*Seps ocellatus*).

d. *List of Donors and their Donations for the year 1896.*

- Adlam, C. J., Esq.  
Nine Green Turtles.
- Aitchison, A. J., Esq., F.Z.S.  
Two Algerian Tortoises.
- Alcock, Alfred W., Esq., M.B., C.M.Z.S.  
One Himalavan Bear.



- Allan, Capt. N.  
One Rufescent Rat-Kangaroo.
- Annesley, Lt.-Gen. Arthur Lyttleton, F.Z.S.  
One Yellow-fronted Amazon.
- Archibald, Dr. J.  
One Mozambique Monkey.
- Armitage, Capt. C. H.  
One Campbell's Monkey, one Green Monkey.
- Arrowsmith, A. W., Esq.  
One Martinique Gallinule.
- Austen, Ernest E., Esq.  
One Red-faced Ouakari.
- Baird, Mrs.  
One Black-headed Conure.
- Baird, Miss.  
One Black-headed Lemur, one Lesser White-nosed  
Monkey.
- Baker, Capt.  
Two Chacma Baboons.
- Baratti, Mr.  
One Orange-cheeked Amazon.
- Baring, A., Esq.  
Three European Pond-Tortoises.
- Baroda, H. H., The Gaekwar of.  
Two Tigers.
- Barrett, Mr. V. E.  
One Vervet Monkey.
- Barrett, H. L. C., Esq.  
One Common Viper.
- Bates, C., Esq.  
One Hawfinch.
- Beadnell, Capt. H. C. T., F.Z.S.  
One Blue-bearded Jay.
- Beaumont, F., Esq.  
Two Laughing Kingfishers.
- Beresford, Lord William, V.C.  
One Golden Eagle.
- Bernard, Capt. E. E., A.S.C.  
One Diana Monkey.
- Betty, A. Kemmis, Esq.  
One Brahminy Kite.
- Biddell, R. H., Esq.  
One Black-eared Marmoset, one Common Marmoset.

- Binny, A. T., Esq., F.Z.S.  
Three Common Blue-birds.
- Birdwood, A. R., Esq., C.M.Z.S.  
One Loder's Gazelle.
- Biss, Dr. H. E. J.  
One Smith's Dwarf Lemur.
- Blaauw, F. E., Esq., C.M.Z.S.  
Two White's Tree-Frogs, one Changeable Tree-Frog.
- Blades, Mrs. Harry.  
Two Brown-throated Conures.
- Blair, H., Esq.  
One Chacma Baboon.
- Bligh, W. G., Esq.  
Three Purple-faced Monkeys, one Rhesus Monkey,  
one Bay Bamboo-Rat, one Mouse, three Douraca  
Doves, eleven Burmese Tortoises, seven Flat-backed  
Tortoises, three Ceylonese Terrapins, four Shielded  
River-Turtles, five Cocteau's Geckos, twelve Verti-  
cillated Geckos, six Yellowish Monitors, six Doria's  
Lizards, three Bell's Lizards, six Emma's Lizards,  
one Hamadryad, one Indian Cobra, one Banded  
Bungarus, eleven Green Pit-Vipers, four Grass-green  
Tree-Snakes, two Sharp-snouted Snakes, five Robed  
Snakes, two Indian River-Snakes, one Rayed  
Snake, one Condanar Sand-Snake, two Well-spotted  
Snakes, two Olivaceous Water-Snakes, one Aulic  
Snake.
- Bloxam, Miss.  
One Passerine Owl.
- Bolton, Gambier, Esq., F.Z.S.  
One White-crested Touracou.
- Boorne, James, Esq.  
One Black-headed Gull.
- Bouverie, Mrs.  
One Bonnet-Monkey.
- Bowrey, J. J., Esq.  
One Yellow Snake.
- Boyle, W. H., Esq.  
One Pale Genet, two Home's Cinixys, one Eroded  
Cinixys, one Delalande's Gecko.
- Brocklehurst, E., Esq.  
One Ring-tailed Coati.

- Brooks, Clifford, Esq.  
Two Pennant's Parrakeets.
- Broom, Dr. R.  
One Boobook Owl.
- Browning, Mrs.  
One Blue and Yellow Macaw.
- Bruty, W. Glynes, Esq.  
Two Lanner Falcons.
- Buchanan, R. G., Esq.  
One Arabian Gazelle.
- Buller, Sir Walter L., K.C.M.G., C.M.Z.S.  
Two Variegated Sheldrakes.
- Bunn, Mr. Howard.  
One Little Grebe.
- Call, Sir William, Bt.  
One Macaque Monkey.
- Callingham, J., Esq.  
One Raven.
- Candy, Capt. G. C., R.N.R.  
One Jelerany Squirrel.
- Candy, Mr. G. K.  
One Green Turtle.
- Carter, Sir Gilbert, K.C.M.G., C.M.Z.S.  
One Lesser White-nosed Monkey, one White-throated Monitor.
- Carter, Capt. E. F.  
One Caracal.
- Carrothers, Capt. J. W.  
One Slow Loris.
- Caté, Mdme.  
One Black Tanager.
- Cecil, Lord Arthur.  
One Golden Eagle, one Buzzard, two Raccoons.
- Champion, W., Esq., F.Z.S.  
One Natal Python, one Ring-hals Snake.
- Clarke, Miss M. E.  
One Ring-tailed Coati.
- Clark, J., Esq.  
One Vulturine Eagle.
- Cleghorn, Dr. A. M.  
One Bonnet-Monkey.
- Cochrane, H., H., Esq.  
One Canadian Skunk.
- Cocks, A. H., Esq., F.Z.S.  
Two Polecats.

- Cockshut, P., Esq.  
Two Common Blue-birds.
- Cohen, A. P., Esq.  
One Sharp-nosed Crocodile.
- Cooke, Col. Davies.  
Four Common Terns.
- Corsbie, A. E., Esq.  
One Blue-fronted Amazon.
- Coxen, J. U., Esq.  
One Ethiopian Hedgehog.
- Crofts, Mrs.  
One White-crested Cockatoo.
- Cubitt, T., Esq.  
One Black-headed Lemur.
- Culling, J., Esq.  
One Mute Swan.
- Cullingford, A. H., Esq., F.Z.S.  
One Raven.
- Cumberland, E. A., Esq.  
One Common Boa.
- Damian, Dr. F. G. C.  
One Spotted Cavy.
- Darroch, Duncan, Esq.  
One Indian Wolf.
- Dixon Bey.  
One Dorcas Gazelle, two Hairy-footed Jerboas, two Fennec Foxes, one Short-toed Eagle, one Spot-bellied Snake, one Ocellated Sand-Snake.
- Dobell, Richard R., Esq.  
Two Virginian Deer.
- Drake, Mr. W. J.  
One Rhesus Monkey.
- Dugmore, Capt.  
One African Tantalus.
- Edwards, Ellis, Esq.  
One Red-footed Squirrel.
- Engelhardt, W., Esq.  
One Pig-tailed Monkey.
- Faussett, Lt. B. G., R.N.  
One American Black Bear.
- Fell, Mrs. Otto.  
Two West-African Love-Birds.
- Finn, Frank, Esq., F.Z.S.  
Three Indian Stock Doves, one Baer's Duck, three Dussumier's Hemipodes.

- Firman, Mrs.  
One Hoolock Gibbon.
- Fisher, S. C., Esq.  
One Rhesus Monkey.
- Fisher, The Rev. Wilfred.  
One Suricate.
- Fitz Herbert, Bros., Messrs.  
Two Hairy Armadillos.
- Flower, Stanley S., Esq., F.Z.S.  
Two Slow Lorises, one Roseate Cockatoo, one Lesser Sulphur-crested Cockatoo, two Spinose Land-Emys, one Rough Toad, one Black-spotted Toad, eight Natterjack Toads, two Common Toads.
- Forfeitt, The Rev. Lawson, F.R.G.S.  
One Hocheur Monkey.
- Foster, Kenneth, Esq.  
Three Cheetahs.
- Francis, J., Esq.  
One Levillant's Cynictis.
- Fraser, Mrs.  
One Algerian Tortoise, one Common Chameleon.
- Freeland, Basil J., Esq.  
One American Tapir.
- Frere, B. T., Esq.  
One Leadbeater's Cockatoo.
- Frost, Miss Lilian.  
One Campbell's Monkey.
- Gale, Capt.  
One Himalayan Bear.
- Gilbert, W. S., Esq.  
One Patas Monkey.
- Gilson, Prof. Gustave.  
Four Midwife Toads.
- Goddard, Dr. E.  
One Herring-Gull.
- Good, Mr. Edward.  
One Pig-tailed Monkey.
- Gooding, Mrs.  
One Sykes's Monkey.
- Goeldi, Dr. E. A., C.M.Z.S.  
Six Rough Terrapins.
- Gosse, Philip, Esq.  
Two Spotted Salamanders.
- Gouda, A. C., Esq.  
One Squirrel-Monkey.

- Goupille, P., Esq.  
Five Eyed Lizards.
- Graves, R. E., Esq., F.Z.S.  
Three Yellow-bellied Liiothrix.
- Greaves, A., Esq.  
One Rook.
- Green, James, Esq.  
One Ring-tailed Coati.
- Grey, Sir Edward, Bt., M.P.  
One Hybrid Common Pintail.
- Gurney, R., Esq., F.Z.S.  
One Oyster-catcher.
- Haggard, J. G., Esq.  
Two Fat Dormice.
- Hallen, Dr. A. H.  
Three Painted Terrapins.
- Hammond, Walter J., Esq.  
Two Brown Capuchins.
- Hancock, O. L., Esq.  
One Rhesus Monkey.
- Harmer, Mr.  
One Rhesus Monkey.
- Hart, Mr. J.  
One Bonnet-Monkey.
- Hewetson, H. B., Esq., F.Z.S.  
One Canary Finch, six Gallot's Lizards, one Dugés'  
Lizard, one Delalande's Gecko.
- Hicks, Mrs. J.  
One Brown Capuchin.
- Hillier, Mrs.  
One Laughing Kingfisher.
- Hilton, Miss.  
One Hamster.
- Hodgkins, E. E., Esq.  
One Bonnet-Monkey.
- Hole, Miss.  
One Saltwater Terrapin.
- Holt, F. Leathly, Esq.  
One Golden Eagle.
- Howell, Miss G.  
One Common Cormorant.
- Hubble, T. W., Esq.  
One Peregrine Falcon.

- Hudson, Miss J. M.  
Three Dwarf Chameleons.
- Huntley, Mrs. M. E.  
One Bare-eyed Cockatoo.
- Hutt, Miss Louisa.  
One Mozambique Monkey.
- Hyde, Capt.  
One Ring-tailed Coati.
- Jackson, A. C., Esq.  
One Mozambique Monkey.
- Jackson-Harmsworth Polar Expedition.  
One Glaucous Gull.
- Jamrach, Mr. A. E.  
Three Peruvian Snakes.
- Johnson, E., Esq.  
One Virginian Opossum.
- Johnston, Sir H. H., K.C.B., F.Z.S.  
One Red-fronted Lemur, one Serval, two Side-striped Jackals, one Vociferous Sea-Eagle, one Black-and-White Sparrow-Hawk.
- Jones, Eugene E. G., Esq.  
One Red-and-Yellow Macaw.
- Jones, Capt. J. G.  
Two Green Turtles.
- Jourdain, A. E., Esq.  
One Smooth Snake.
- Kemp, Capt.  
One Hairy-footed Fruit-Bat.
- Kennedy, Mrs. Sibyl E.  
One Common Mynah.
- Kidman, W. J., Esq.  
Two Stone-Curlews.
- Kirby, E., Esq.  
One Diana Monkey.
- Kirby, F. V., Esq., F.Z.S.  
One Cape Viper, one Rufescent Snake.
- Kneeshaw, Mrs.  
Four European Tree-Frogs.
- Kneeshaw, Master.  
Two European Tree-Frogs.
- Laer, Miss M. von.  
Two Amaduvade Finches.
- Laidley, W. J., Esq.  
Four Montagu's Harriers.

- Laver, Henry, Esq.  
One Common Otter.
- Laverack, J., Esq.  
One Macaque Monkey.
- Larymore, Capt. H. D., C.M.G.  
Two White-thighed Colobus.
- Leach, R. H. W., Esq.  
One Gould's Monitor.
- Leith, Mr. A. J.  
One Lesser Kestrel.
- Leverson, L. G., Esq., F.Z.S.  
One Chinese Goose.
- Lewis, Miss Noyes.  
One Blainville's Horned Lizard.
- Lilford, Lord, F.Z.S.  
One Wild Cat, one Common Genet, three Prairie Marmots, one Grey Coly Shrike, one Cat Bird, one Sulphury Tyrant, two Greater Black-backed Gulls, one Herring Gull, one Black-headed Gull, two Hybrid Gulls, two Avocets, two Eyed Lizards, seven Green Lizards.
- Lilford, the late Lord.  
Four Pratincoles, four Marbled Ducks, two Spiny-tailed Mastigures.
- Lloyd, V., Esq.  
One Rhesus Monkey.
- Lowes, C. A., Esq.  
One Tawny Owl.
- Lyons, Mrs.  
One King Parrot.
- McCabe, Mrs. R.  
Two Passerine Parrakeets.
- Mackie, J. G., Esq.  
One Fennec Fox.
- Maclaine of Lochbuie, The.  
Two Golden Eagles, two Peregrine Falcons, five Shags
- Malcolm, Miss A.  
One New Zealand Parrakeet.
- Manders, Surg.-Maj. N.  
One Leopard.
- Mann, T. J., Esq.  
One Rat-tailed Serpent.
- Martin, Miss B.  
One Oyster-Catcher.



- Matcham, Mrs.  
One Chacma Baboon.
- Matcham, J. E., Esq., C.M.Z.S.  
Two Black-backed Jackals, one Defenceless Lizard, one Nilotic Monitor, one Delalande's Lizard, one Natal Python, eleven Hoary Snakes, two Infernal Snakes, three Rough-keeled Snakes, six Rufescent Snakes, five Rhomb-marked Snakes, four Crossed Snakes, three Cape Bucephalus, one Yellow Cobra, three Ring-hals Snakes, four Cape Vipers, thirteen Puff-Adders.
- Meldrum, James, Esq., F.Z.S.  
One Red-bellied Squirrel.
- Minchin, E. A., Esq.  
One Bordeaux Snake, one Common Snake.
- Mink, Miss.  
Five Spotted Salamanders.
- Mitchell, E., Esq.  
One Black-faced Kangaroo.
- Moncrieff, Miss L. Scott.  
Two Passerine Parrots.
- Mond, Ludwig, Esq., F.R.S., F.Z.S.  
One Spotted Salamander.
- Morgan, W. Pritchard, Esq., M.P.  
One Alexandra Parakeet.
- Morgan, W. A., Esq.  
One Southern River-Hog.
- Morris, Mrs. Herbert.  
Two Common Squirrels.
- Moss, C., Esq.  
A Collection of Sea-Anemones.
- Mouillot, Mrs.  
One Macaque Monkey.
- Multon & Wallis, Messrs.  
One Vulpine Phalanger.
- Murrell, Chas. G., Esq.  
One Black-backed Piping-Crow.
- Mytton, H., Esq.  
One Alligator.
- Nicholls, H. O., Esq.  
One Ocelot.
- North, Col. J. T., The Executors of the late.  
One Llama.

- Nowell, G. H., Esq., M.B.  
Two Brown Mynahs, one Black-necked Grackle.
- Noyce, F. A., Esq.  
Two Common Peafowls.
- Ockenden, Mr. S.  
One Common Viper.
- Ogilby, Capt. R. A., D.L., F.Z.S.  
Three Punjab Wild Sheep or Urials, two Short-eared Owls.
- Old, A., Esq.  
Three Common Adders.
- Osborne, C. A., Esq.  
One Lion, two Lionesses, one Striped Hyæna.
- Osborn, S., Esq.  
One Black-eared Marmoset.
- Otway, Thomas. Esq.  
Two Brazilian Tortoises.
- Paget, Commander Alfred, R.N.  
One Klipspringer.
- Palmer, Mrs.  
One One-streaked Hawk.
- Palmer, J. L., Esq.  
One Guillemot.
- Palmer, Mr. E.  
Three Common Chameleons.
- Pardoe, E. A., Esq.  
One Red-fronted Lemur.
- Parker, The Hon. Sidney.  
One Javan Chevrotain, one Indian Chevrotain.
- Parmeter, Capt. B.  
One White-crowned Mangabey, one Diana Monkey.
- Parrott, Mrs. E.  
One Ring-necked Parrakeet.
- Paterson, Col.  
One Markhoor.
- Pegler, O. L., Esq.  
One Raven.
- Pellas, F. A., Esq.  
One Virginian Fox.
- Pickthorn, Capt.  
One Common Marmoset.
- Pollock, R. C. G., Esq., F.Z.S.  
One Gold Pheasant.

- Polini, Mrs.  
One Moustache Monkey.
- Porter, Miss Jessie.  
Two Streaky-headed Grosbeaks.
- Powell, Mrs.  
One Algerian Tortoise.
- Poyser, E. J., Esq., F.Z.S.  
One Common Heron.
- Pringuer, F. J., Esq.  
One Egyptian Jerboa.
- Pullen, Mrs. Sheana.  
One Red-bellied Squirrel.
- Quelch, J. J., Esq., C.M.Z.S.  
One Grison, two Brazilian Tortoises, two Scorpion  
Mud-Terrapins, one Rough Terrapin.
- Rawson, Rear-Admiral H. H., C.B.  
Two Garnett's Galagos.
- Richardson, Mrs. Le Poer.  
One Grand Galago.
- Richmond, A. W., Esq.  
One Porose Crocodile.
- Roberts, Mrs.  
One West-African Love-bird.
- Roberts, Mr. F. W.  
One Common Chameleon.
- Robertson, Lt.-Col. D. K.  
Two Grey Francolins.
- Robinson, A. H., Esq.  
One Hairy Armadillo.
- Robinson, Mrs.  
Two Dwarf Chameleons.
- Rooney, J., Esq.  
Four Common Quails.
- Rothschild, Baron Ferdinand de, F.Z.S.  
Two Herring-Gulls, two Black-headed Gulls.
- Rothschild, The Hon. Walter, F.Z.S.  
One Black-tailed Flower-Bird.
- Russell, H., Esq.  
One Vervet Monkey.
- St. Quintin, W. H., Esq., F.Z.S.  
One Garden Dormouse, one Greater Spotted Wood-  
pecker, one Dusky Duck.
- Salvin, Capt., F.Z.S.  
Eleven Harvest Mice.

- Sapp, John J., Esq., J.P.  
One Slender-bill Cockatoo.
- Schenley, G. A., Esq.  
One Syrian Bear.
- Schwann, J. F., Esq.  
One Huanaco.
- Sedgwick, Mrs.  
Two Globose Curassows.
- Seymour, Admiral Sir Michael Culme, Bt.  
One Black Francolin.
- Sheriff, E., Esq.  
One Macaque Monkey.
- Sinclair, Major H. M., R.E.  
One Fraser's Eagle-Owl.
- Skottowe, Mrs. T.  
One Diana Monkey, one Campbell's Monkey.
- Smith, Mr. G.  
One Greater Black-backed Gull.
- Smith, Miss.  
One Ring-necked Parrakeet.
- Smith, J. Lea, Esq., F.Z.S.  
One Saltwater Terrapin.
- Smith, F. D. Lea, Esq., F.Z.S.  
One Polecat.
- Smythe, Col.  
One Grey Ichneumon.
- Soper, W., Esq.  
One Raven.
- Souper, R. M. C., Esq.  
One Algerian Tortoise.
- Southey, C. W., Esq.  
One Silver-backed Fox.
- Spaull, Miss M. J. L.  
One Lesser Kestrel.
- Speer, Alfred E., Esq., F.Z.S.  
Three Western Chipping Squirrels.
- Sprawson, E. C., Esq.  
One Common Sandpiper.
- Steer, Miss A.  
One Loggerhead Turtle.
- Stevens, W., Esq.  
One Rhesus Monkey.

- Stillman, J., Esq.  
Four Malabar Squirrels.
- Storey, Mr. F. A.  
Four Rough-keeled Snakes, one Lineated Boodon,  
one Rhomb-marked Snake, one Delalande's Lizard.
- Strutt, Mrs.  
Two Bonnet-Monkeys.
- Studley, J. T., Esq., F.Z.S.  
Three Ivory Gulls, one Richardson's Skua.
- Sumead, E., Esq.  
Two Sclater's Curassows.
- Symington, W. Weldon, Esq.  
Two West-Indian Agoutis, one Antillean Boa.
- Talboys, Capt. H.  
One Black Lemur.
- Temple, W., Esq.  
Two Axolotls.
- Temperley, F. W., Esq.  
One Capybara.
- Thomson, F. Wyville, Esq.  
One Mona Monkey.
- Thorneycroft, Capt. Alex. W.  
Two Tigers.
- Todd, R. A., Esq.  
One White-fronted Lemur.
- Tomlin, Mr. F.  
One Rhesus Monkey.
- Torrens, G. P., Esq., F.Z.S.  
Five Black-bellied Sand-Grouse.
- Touche, J. D. De La, Esq.  
One Masked Paradoxure.
- Townshend, H. O., Esq.  
One Yellow-cheeked Lemur.
- Turner-Turner, Mrs.  
One Squirrel-Monkey.
- Turner, G., Esq.  
One Vulpine Phalanger.
- Turnham, Mr. E.  
One Rhesus Monkey.
- Tuely, Miss Miss E. N.  
One West-African Love-bird.
- Vidal, G. W., Esq., F.Z.S.  
One Malabar Squirrel.

- Wade, Miss Cissie.  
One Brown Capuchin.
- Waldo, E. G. B. Meade-, Esq., F.Z.S.  
Three Canarian Laurel Pigeons.
- Walls, E. G., Esq.  
One Barbary Ape.
- Walshe, F. W. H., Lt. R.A.  
One Northern Lynx.
- Ward, Rowland, Esq., F.Z.S.  
One Lion.
- Watson, Malcolm, Esq.  
One Black Wallaby.
- Wells, J. W., Esq.  
One Squirrel-Monkey.
- White, B. R., Esq., F.Z.S.  
One Barn-Owl.
- Wilcox, Master & Miss.  
Two Saltwater Terapins.
- Wilkes, J. W., Esq.  
Three Herring-Gulls.
- Williams, F. Greswolde, Esq., F.Z.S.  
One Persian Gazelle, two Sambur Deer, one Bonnet-Monkey, one Rhesus Monkey.
- Williamson, Mrs.  
Two Macaque Monkeys.
- Wills, G. T., Esq.  
One Black-faced Kangaroo.
- Wilson, E. A., Esq.  
One Common Kite.
- Wilson, A. F., Esq.  
Two Wood-Owls, one Short-eared Owl.
- Winson, C. Trevelyan, Esq.  
One Rhesus Monkey.
- Winwhite, G. W., Esq.  
Five European Tree-Frogs.
- Woodroffe, Miss Agnes.  
Two White Storks.
- Young, John, Esq., F.Z.S.  
Two Whinchats, one Redstart, one Blackcap, one Swallow, one Wood-Lark, two Ortolan Buntings.
- Young, Miss E. S.  
One Leadbeater's Cockatoo.

*Conclusion.*

In concluding their Report the Council wish to express their opinion that both the present condition and the future prospects of the Society on the present occasion will be found to be satisfactory to the Fellows.

The exact amount of the Society's income in every year depends so much upon the weather, that it must always remain a matter of some uncertainty. But supposing that the Garden Receipts of the present year show no material falling off, there seems to be no reason why the policy of expending the surplus income on the improvement of the Gardens should not be continued, and the Council have already in contemplation several plans in this direction which they hope to be able to carry out sooner or later.

The Council wish to acknowledge the assistance they have received from the Committee of Publication, upon whom are devolved, in accordance with the Bye-Laws, the arrangement and supervision of the Society's Scientific Publications.

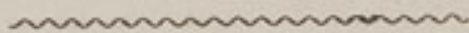
The Council have also to ask you to thank those Fellows of the Society who, during the past year, have served on the Finance Committee and audited the Accounts.

Signed (for the Council),

P. L. SCLATER,  
*Secretary.*

3 Hanover Square, W., April 29th, 1897.

REPORT  
OF THE  
AUDITORS OF THE ACCOUNTS  
OF THE  
ZOOLOGICAL SOCIETY OF LONDON,  
Appointed January 21, 1897.



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, 1896, 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 1896.

					£	s.	d.
Balance brought from December 31, 1895 .....					1,391	1	2
INCOME.							
		£	s.	d.	£	s.	d.
1893.	Annual Subscriptions .....				3	0	0
1894	{ Garden Sales .....	1	0	0			
	{ Admission Fees .....	5	0	0			
	{ Annual Subscriptions .....	9	0	0			
					15	0	0
1895	{ Garden Sales .....	87	19	0			
	{ Rent for Refreshment-Rooms .....	59	8	8			
	{ Rent for Rooms at Hanover Square...	33	15	0			
	{ Admission Fees .....	100	0	0			
	{ Annual Subscriptions .....	36	0	0			
	{ Publication Sales .....	99	5	10			
					416	8	6
1896	{ Admissions to Gardens .....	15,667	7	0			
	{ Riding Receipts.....	601	16	2			
	{ Garden Sales .....	408	6	5			
	{ Rent for Refreshment-Rooms .....	910	13	7			
	{ Rent for Rooms at Hanover Square...	116	18	0			
	{ Admission Fees .....	835	0	0			
	{ Compositions .....	1,080	0	0			
	{ Annual Subscriptions .....	5,785	0	0			
	{ Publication Subscriptions .....	472	10	0			
	{ Publication Sales .....	83	4	6			
	{ Zoological Record Subscriptions.....	198	2	0			
	{ Zoological Record Sales .....	132	4	3			
	{ Dividends .....	73	9	4			
	{ Interest on Deposit Account .....	28	1	4			
{ Miscellaneous .....	91	17	3				
					26,484	9	10
1897	{ Annual Subscriptions .....	150	0	0			
	{ Publication Subscriptions .....	12	12	0			
					162	12	0
INCOME RECEIVED IN 1896 .....					27,081	10	4
					28,472	11	6

## PAYMENTS IN 1896.

EXPENDITURE.		£	s.	d.	£	s.	d.
Rent, Rates, Taxes, and Insurance .....	Gardens	1,295	15	10			
Ditto ditto .....	Office	281	16	7			
Salaries and Pensions .....	Gardens	3,518	16	8			
Ditto ditto .....	Office	1,989	13	4			
Provisions for Menagerie .....		3,665	3	0			
Cost and Carriage of Animals .....		1,164	5	11			
Menagerie Expenses .....		3,261	11	9			
Keepers' Dresses .....		164	17	6			
Works and Materials .....	Gardens	2,542	2	5			
Ditto .....	Office	53	11	5			
New Buildings .....		2,600	0	0			
Garden Expenses .....		871	0	10			
Advertisements .....		293	4	0			
Band Expenses .....		163	19	0			
House and Office Expenses .....	Gardens	415	1	7			
Ditto ditto .....	Office	685	16	8			
Stationery and Printing (Miscellaneous) .....		388	4	9			
Cost of Publications .....		1,722	1	8			
Cost of Zoological Record .....		681	6	4			
Library Expenses .....		493	18	9			
Returned Subscriptions .....		13	2	0			
Law Expenses .....		10	19	4			
Editorship of 'Zoological Record' (Davis Fund) .....		73	9	4			
Zoological Lectures .....		55	17	6			
EXPENDITURE PAID IN 1896 .....		26,405	16	2	26,405	16	2
Transferred to Deposit Account with Messrs. Drummond .....					1,000	0	0
Cash at the Banker's, December 31, 1896 :—							
General Account .....		£695	5	10			
Petty Cash Account .....		371	9	6			
					1,066	15	4
					28,472	11	6

*Comparison of Receipts in 1896 with 1895.*

<i>Receipts.</i>				
	Income of		Increase.	Decrease.
	1896.	1895.		
	<i>£ s. d.</i>	<i>£ s. d.</i>	<i>£ s. d.</i>	<i>£ s. d.</i>
Admissions to Gardens..	15,667 7 0	15,639 18 0	27 9 0	.....
Riding Receipts.....	601 16 2	762 8 0	.....	160 11 10
Garden Sales .....	497 5 5	394 13 4	102 12 1	.....
Rent for Refreshment-Rooms .....	970 2 3	975 2 9	.....	5 0 6
Rent for Rooms at Hanover Square.....	150 13 0	138 3 0	12 10 0	.....
Admission Fees:—				
Past.....	105 0 0	90 0 0	15 0 0	.....
Present .....	835 0 0	800 0 0	35 0 0	.....
Annual Subscriptions:—				
Past.....	48 0 0	15 0 0	33 0 0	.....
Present .....	5,785 0 0	5,655 3 0	129 17 0	.....
Future .....	150 0 0	123 0 0	27 0 0	.....
Compositions .....	1080 0 0	1,140 0 0	.....	60 0 0
Publications .....	667 12 4	671 10 4	.....	3 18 0
Zoological Record ....	330 6 3	342 0 9	.....	11 14 6
Dividends and Interest..	101 10 8	76 5 9	25 4 11	.....
Miscellaneous.....	91 17 3	135 4 2	.....	43 6 11
	27,081 10 4	26,958 9 1	407 13 0	284 11 9
Increase .....	.....	123 1 3	284 11 9	Ded. Decr.
	27,081 10 4	27,081 10 4	123 1 3	.....
Total Receipts in 1896 ..... <i>£</i> 27,081 10 4 Total Payments in 1896..... 26,405 16 2 Receipts over Payments ..... 675 14 2				
<i>Dr. Cash</i>				
				<i>£ s. d.</i>
To Balance brought from December 31, 1895 .....				1,391 1 2
To Income received in 1896 .....				27,081 10 4
				28,472 11 6

*Comparison of Payments in 1896 with 1895.*

<i>Payments.</i>				
	Expenditure of		Increase.	Decrease.
	1896.	1895.		
	£ s. d.	£ s. d.	£ s. d.	£ s. d.
Rent, Rates, Taxes, and Insurance .....	1,577 12 5	1,607 4 3	.....	29 11 10
Salaries and Pensions .....	5,508 10 0	5,429 3 4	79 6 8	.....
Provisions .....	3,665 3 0	3,558 11 3	106 11 9	.....
Cost and Carriage of Animals .....	1,164 5 11	1,541 1 3	.....	376 15 4
Menagerie Expenses .....	3,261 11 9	3,349 16 3	.....	88 4 6
Keepers' Dresses .....	164 17 6	170 0 0	.....	5 2 6
Works, Materials, &c. ....	2,595 13 10	3,788 4 4	.....	1,192 10 6
New Buildings .....	2,600 0 0	.....	2,600 0 0	.....
Garden Expenses .....	871 0 10	807 19 7	63 1 3	.....
Advertisements .....	293 4 0	323 9 7	.....	30 5 7
Band Expenses .....	163 19 0	175 11 6	.....	11 12 6
House and Office Expenses ..	1,100 18 3	1,044 4 6	56 13 9	.....
Stationery and Printing ....	388 4 9	388 9 9	.....	0 5 0
Cost of Publications ... ..	1,722 1 8	1,481 18 9	240 2 11	.....
Cost of 'Zoological Record' ..	681 6 4	836 7 5	.....	155 1 1
Library Expenses .....	493 18 9	456 7 2	37 11 7	.....
Expenditure of Davis Bequest .....	73 9 4	73 9 4	.....	.....
Zoological Lectures .....	55 17 6	.....	55 17 6	.....
Miscellaneous.....	24 1 4	78 17 8	.....	54 16 4
Increase ..	26,405 16 2	25,110 15 11	3,239 5 5	1,944 5 2
	.....	1,295 0 3	1,944 5 2	Ded. Decr.
	26,405 16 2	26,405 16 2	1,295 0 3	.....
Ordinary Payments .....	23,788 1 2	23,460 16 10	327 4 4	.....
Extraordinary ditto .....	2,617 15 0	1,649 19 1	967 15 11	.....
	26,405 16 2	25,110 15 11	1,295 0 3	.....
<i>Contra</i>				<i>Cr.</i>
				£ s. d.
By Expenditure paid in the year.....				26,405 16 2
By Transfer to Deposit Account .....				1,000 0 0
By Balance carried forward to 1897 .....				1,066 15 4
				28,472 11 6

*Assets and Liabilities of the Society on December 31, 1896.*

## ASSETS.

	£	s.	d.
Animals in the Menagerie in the Regent's Park .....	21,398	5	0
Books in the Library at Hanover Square .....	16,988	0	0
Unsold Publications .....	2,010	0	6
Stock of the Zoological Record .....	1,048	0	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), @ 135 .....	2,565	0	0
Cash at the Bankers (Messrs. Drummond) .....	1,066	15	4
On Deposit at Messrs. Drummond .....	2,000	0	0
Arrears considered good:—	£	s.	d.
Rent for Refreshment-Rooms .....	62	16	9
Rent for Rooms at Hanover Square .....	45	0	0
Garden Sales .....	263	18	2
Fellowship Subscriptions .....	55	0	0
Publication Sales .....	134	16	5
Ivory Ticket Subscriptions .....	3	3	0
		564	14 4
		£72,640	15 2

## LIABILITIES.

	£	s.	d.
Rent and Taxes unpaid .....	366	12	6
Bills, &c., estimated.....	1,312	18	2
Messrs. Smith & Co., balance for New Ostrich-house .....	883	0	0
		£2,562	10 8

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.

CHAS. W. ANDREWS.  
 W. PARRY CRAKE.  
 PHILIP CROWLEY.  
 WILLIAM E. DE WINTON.  
 HENRY H. SLATER.  
 ARTHUR SMITH WOODWARD.

} *Committee of Auditors.*

ZOOLOGICAL SOCIETY OF LONDON,  
 3 Hanover Square, W.

*February 25, 1897.*