

REPORT  
OF THE  
COUNCIL  
OF THE  
ZOOLOGICAL SOCIETY  
OF LONDON,  
FOR THE YEAR 1900.

READ AT THE ANNUAL GENERAL MEETING,

APRIL 29<sup>TH</sup>, 1901.

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LONDON:  
PRINTED BY TAYLOR AND FRANCIS,

RED LION COURT, FLEET STREET.

1901.



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## REPORT OF THE COUNCIL.

*April 29, 1901.*

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THE Council have the pleasure of submitting to the Fellows assembled at the seventy-second 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. 4) relates to the General Condition of the Society and its Finances, the second (p. 11) to the business transacted at the Office in Hanover Square, and the last (p. 36) to the state of the Gardens and Menagerie in the Regent's Park.

Before the usual subjects of the Annual Report are commenced, the Council think it right to say a few words on the topic which has recently engrossed the attention of the whole Nation—the decease of Her late Most Gracious Majesty Queen Victoria.

Queen Victoria was, as is well known, closely connected with this Society, as its Patron since 1837, as a Donor on many occasions of valuable gifts to the Menagerie, and up to a recent period as a frequent visitor to the Gardens. It may interest the Fellows to learn that the last occasion when Queen Victoria honoured the Gardens by her presence was on the 14th of March, 1877, when Her Majesty was accompanied by the Princess Beatrice, and



was conducted round the Gardens by the Secretary and late Superintendent, Mr. A. D. Bartlett. Queen Victoria likewise visited the Gardens on March 20, 1875, and March 26, 1874.

In conformity with precedents the Council, as already announced to the General Meeting of the Fellows in February last, prepared an address of condolence and loyalty to The King on this melancholy occasion, and forwarded it for presentation to His Majesty through the Secretary of State for the Home Department.

The Council have the great pleasure of announcing that The King has been graciously pleased to become the Patron of the Society in succession to Her late Majesty Queen Victoria.

## 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, 1901, was 3250, classified as follows:—

Compounders . . . . .	950
Compositions remitted . . . . .	27
Paying annual subscriptions . . . . .	2063
Dormant . . . . .	182
Admission-fees unpaid . . . . .	28
	<hr/>
Total	3250

The corresponding number of Members on the 1st of January 1900 was 3246, showing an increase of 4 Members during the year.



*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.			Number of Fellows, December 31.
		Compounders.			Subscribers.		Subscribers.		Subscribers.	Admission Fees Unpaid.	Ceased to be Fellows.	
		£20.	£30.	Fee remitted.	£2.	£3.	£2.	£3.	£3.			
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
1898.	184	1	28	1	...	79	...	35	6	7	157	3185
1899.	209	2	27	1	2	64	...	38	8	6	148	3246
1900.	174	...	41	1	...	75	...	44	5	4	170	3250

*b. Foreign Members.*

The following are the names of three distinguished Zoologists who have been elected Foreign Members of the Society since the last Anniversary to fill up vacancies in the list:—

Prof. Léon Vaillant, of the Muséum d'Histoire Naturelle, Jardin des Plantes, Paris.

Dr. Joel Asaph Allen, of the American Museum of Natural History, Central Park, New York, U.S.A.

Dr. Franz E. Schulze, Director of the Zoological Institute, Berlin.

*c. Corresponding Members.*

The following is a list of the names of the eight gentlemen who have been elected Corresponding Members of the Society since the last Anniversary to fill up vacancies:—

Capt. W. Gerald Ambrose, of Lagos, West Africa.

Prof. Max Fürbringer, Director of the Anatomical Institute, The University, Jena.

Mr. Sidney Langford Hinde, of Kitui, British East Africa.

Dr. Einar Lönnberg, of the University Zoological Museum, Upsala.



Prof. Henry Fairfield Osborn, of the American Museum of Natural History, New York, U.S.A.

Capt. Charles Delmé-Radcliffe, Uganda Rifles, Uganda.

Mr. Robert Shelford, Curator of the Museum, Sarawak, Borneo.

Dr. Peter Suschkin, of the Imperial University, Moscow.

#### d. *Medallist.*

In May last year the Council had the pleasure of bestowing the Silver Medal of the Society on one of their Corresponding Members, Mr. John Ernest Matcham, of Port Elizabeth, Cape Colony, in acknowledgment of his very numerous donations to the Society's Menagerie. Commencing from the beginning of 1894 and up to the end of last year Mr. Matcham continued to send us large numbers of African animals of all descriptions, amounting altogether to 525—namely, 57 mammals, 48 birds, and 420 reptiles.

Mr. Matcham was in fact one of the best and most generous correspondents the Society has ever had in foreign parts, and the Council much regret to have to announce his sudden decease, which took place in January last when he was upon a temporary visit to this country.

## 2. STATE OF THE FINANCES.

### a. *Income.*

The total Income of the Society in 1900 was £28,772 11s. 3d., being only less than that of 1899 by the small sum of £107 7s. 8d. On examining the comparative table of increase and decrease under the various heads, it will be observed that this slight decrease of revenue is at once accounted for by the diminution of the sum received for Compositions paid in lieu of annual subscriptions, which in 1900 amounted to £870 instead of £1,200 in 1899. Owing to occurrences which took place in public affairs last year, such a decrease might well have been expected. Under the other heads of income the variations shown between the corresponding amounts received in the two years are hardly large enough



to call for special remark. It may be pointed out, however, that the average income of the Society during the ten years 1890-99 has been £26,615. The income for the year 1900 (£28,772) has therefore exceeded the average income of the previous ten years by the satisfactory amount of £2,157.

*Comparison of Receipts in 1900 with 1899.*

	Income of		Increase.	Decrease.
	1900.	1899.		
	£ s. d.	£ s. d.	£ s. d.	£ s. d.
Admissions to Gardens .....	17,127 6 0	16,888 18 6	238 7 6	.....
Riding Receipts .....	624 13 11	701 12 4	.....	76 18 5
Garden Sales.....	227 17 3	391 6 2	.....	163 8 11
Rent for Refreshment-Rooms ...	1,000 0 0	1,000 0 0	.....	.....
Rent for Offices let at Hanover Square .....	179 3 0	223 17 0	.....	44 14 0
Admission Fees:—				
Past .....	130 0 0	95 0 0	35 0 0	.....
Present .....	640 5 0	815 0 0	.....	174 15 0
Annual Subscriptions:—				
Past .....	39 0 0	18 0 0	21 0 0	.....
Present .....	6,225 3 0	6,080 6 0	144 17 0	.....
Future .....	117 0 0	90 0 0	27 0 0	.....
Compositions.....	870 0 0	1,200 0 0	.....	330 0 0
Publications .....	979 17 7	729 0 8	250 16 11	.....
Zoological Record.....	331 2 0	365 6 2	.....	34 4 2
Dividends and Interest .....	131 8 8	126 16 4	4 12 4	.....
Miscellaneous .....	149 14 10	154 15 9	.....	5 0 11
	28,772 11 3	28,879 18 11	721 13 9	829 1 5
Decrease .....	107 7 8	.....	Ded. Incr.	721 13 9
	28,879 18 11	28,879 18 11	.....	107 7 8

*b. Expenditure.*

The Ordinary Expenditure for the year 1900, under which is included every item specified in the estimates as likely to be required in order to keep the Society's whole Establishment in a state of efficiency, was £26,338 0s. 8d., being less by the sum of £545 15s. 3d. than that of the previous year. On consulting the table of increase and decrease of the two years, we shall find that the Rent and Taxes show an increase of £295 0s. 2d. But this was mainly caused by the accident that the rates due at Christmas 1899 were not paid till the January of the following year, and were consequently not charged to the expenditure of 1899. The cost of Provisions it will be remarked, on the other hand, shows a diminution of £129 12s. 6d. This was mainly due to a reduction in the price of hay during



the past year, but partly also to the smaller amount expended on fruit and vegetables.

The ordinary expenditure on new animals for the Menagerie during the past year shows a considerable decrease, only the sum of £874 7s. 9d. having been spent on new acquisitions, in place of £1,724 11s. 5d. in 1899. It must not be supposed, however, that any opportunity of making valuable acquisitions for the Society's Menagerie was neglected. The usual sum of £1,200 was apportioned for the purchase of animals when the Estimates were drawn up, but it so happened that no objects came into the market during the year which rendered it advisable to spend the whole amount.

The ordinary expenditure on Works and Materials for repairs in the Society's Gardens in 1900 was £3,702 11s. 8d. This was less by £438 3s. 2d. than the corresponding sum in 1899. On the other hand, there was an extraordinary expenditure on works, chiefly on the Lion-house, of £1,800 16s. 9d., as will be explained in the part of the Report dealing with the Garden-Establishment.

It will be observed that the cost of the Society's Scientific Publications in 1900 amounted to £2,233 17s. 0d., being £417 6s. 5d. in excess of the previous year. This was caused by the cost of three parts of the Society's quarto Transactions, one of which was of an unusually expensive character, as will be explained in a subsequent part of this Report.

The remaining items of Ordinary Expenditure do not vary materially from the usual amounts, and hardly require explanation.

The Extraordinary Expenditure of 1900, which amounted altogether to £2,150 16s. 9d., was made up in the following way :—

	£	s.	d.
New Bore and Machinery to Well (balance)...	355	4	7
New Reservoir .....	390	18	2
New Roof to Lion-house .....	1,054	14	0
Grants in aid of Science .....	350	0	0
	<hr/>		
	£2,150	16	9
	<hr/>		

The first three of these items will be explained in the portion of the Report relating to the Society's Gardens. The last head consists of three sums devoted to the furtherance of Zoological Science, one of the primary objects of the Society according to its Charter.



The sum of £200 was given in aid of the funds of the National Antarctic Expedition, which is arranged to leave this country in August next, one of the objects of which is the further investigation of the little-known Zoology of the Antarctic Seas and Lands.

The sum of £100 was granted towards the preparation of an important work—the 'Index Animalium,' now in preparation by Mr. C. Davies Sherborn, F.Z.S., which is expected to be of very great value to future workers in zoology.

A sum of £50 was granted in aid of the expedition of Mr. J. S. Budgett, F.Z.S., to the British Settlement of the Gambia, which has resulted in interesting additions to zoological knowledge. Mr. Budgett has already contributed to the Society's 'Transactions' two important papers based on the collections which he has made in that Colony.

By adding the amounts of Ordinary and Extraordinary Expenditure together it will be found that the total expenditure of the year 1900 was £28,488 17s. 5d., as shown in the subjoined table, which also gives the corresponding items of expenditure in the previous year, and shows the amounts of the increase or decrease.

*Comparative Table of Expenditure for 1900 and 1899.*

	Expenditure of		Increase.	Decrease.
	1900.	1899.		
	£ s. d.	£ s. d.	£ s. d.	£ s. d.
Rent, Rates, Taxes, &c. ....	1,828 10 10	1,533 10 8	295 0 2	
Salaries and Pensions.....	5,621 1 8	5,553 10 0	67 11 8	
Provisions .....	4,099 1 2	4,228 13 8		129 12 6
Cost and Carriage of Animals. Ordy.	874 7 9	1,724 11 5		850 3 8
Do. Extraord. ....		800 0 0		800 0 0
Menagerie Expenses .....	3,559 6 8	3,591 1 9		31 15 1
Works, Materials, &c. Ordinary ...	3,702 11 8	4,140 14 10		438 3 2
Do. Extraordinary.	1,800 16 9	542 2 9	1,258 14 0	
Buildings. Extraordinary.....		1,095 0 8		1,095 0 8
Garden Expenses.....	958 11 8	960 4 0		1 12 4
Advertisements.....	404 11 6	372 17 7	31 13 11	
Band Expenses .....	163 15 3	164 6 6		11 3
House and Office Expenses .....	1,159 17 10	1,139 5 6	20 12 4	
Stationery and Printing .....	382 11 7	411 18 3		29 6 8
Cost of Publications .....	2,233 17 0	1,816 10 7	417 6 5	
Cost of 'Zoological Record' .....	613 7 2	614 18 0		1 10 10
Library Expenses.....	510 12 3	475 14 10	34 17 5	
Editorship of 'Zoological Record'...	73 3 0	73 9 4		6 4
Zoological Lectures.....	63 10 2	54 18 0	8 12 2	
Grants in aid of Science. Extraord.	350 0 0	100 0 0	250 0 0	
Miscellaneous .....	89 3 6	27 11 0	61 12 6	
	28,488 17 5	29,420 19 4		932 1 11
Ordinary Payments.....	26,338 0 8	26,883 15 11		545 15 3
Extraordinary ditto.....	2,150 16 9	2,537 3 5		386 6 8
	28,488 17 5	29,420 19 4		932 1 11



The balance at the Bankers brought forward at the commencement of the year 1900 was £1,043 16s. 1d. This added to the income received during that year (£28,772 11s. 3d.) gave a total of £29,816 7s. 4d. available for the expenditure of 1900. This expenditure, as already shown above, amounted to £28,488 17s. 5d., and left a balance at the close of the year of £1,327 9s. 11d., to be carried forward for the benefit of the present year. This balance, it may be remarked, exceeded the balance carried over at the commencement of 1901 by the sum of £283 13s. 10d. Thus the expenditure of the year fell within its income, besides which the sum of £2,000 placed on deposit with the Society's Bankers in 1898 still remains untouched, and available for future use.

*c. Assets and Liabilities.*

The Assets and Liabilities of the Society on December 31, 1900, were estimated as follows:—

ASSETS.

	£	s.	d.
Animals in the Menagerie at the Regent's Park (estimate)...	20,283	0	0
Books in the Library at Hanover Square .....	18,484	0	0
Unsold Publications.....	1,792	5	0
Stock of the 'Zoological Record' .....	1,084	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 @ 133 (Davis Trust Fund) .....	2,527	0	0
On Deposit at Messrs. Drummond .....	2,000	0	0
Cash at the Bankers (Messrs. Drummond) .....	1,327	9	11
Debts due to the Society, considered good:—	£	s.	d.
Rent for Refreshment-Rooms.....	250	0	0
Rent for Offices at Hanover Square .....	38	15	0
Garden Sales.....	80	3	9
Publication Sales .....	106	9	6
Fellowship Subscriptions .....	55	0	0
		530	8 3
		<u>£73,028</u>	<u>13 2</u>

LIABILITIES.

	£	s.	d.
Rent and Taxes unpaid .....	271	7	8
Bills, &c., say .....	1,522	14	7
Westwood & Wrights, New Reservoir, Balance .....	39	5	0
		<u>£1,833</u>	<u>7 3</u>



## II. OFFICE, 3 HANOVER SQUARE.

### 1. SCIENTIFIC MEETINGS.

To the twelve meetings for the despatch of scientific business held in the Society's Rooms in Hanover Square in 1900, 98 communications were made. Of these, 78 were from Fellows and 3 from Corresponding Members. The remaining 17 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 1899 was 127.

These communications were submitted to the Committee of Publication, by whom 66 were ordered to be printed in the 'Proceedings' and 5 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. ZOOLOGICAL LECTURES.

The attendance at the Zoological Lectures, usually given in the Lecture-room at the Zoological Gardens, having fallen off, it was recommended by the Lecture Committee to try the experiment of having the place of the Lectures moved to the Society's Meeting-room in Hanover Square. This plan was adopted by the Council in 1900, and the four Lectures, which were given after the General Meetings of the Society in April, May, June, and July, were well attended. The Council, therefore, propose to adopt the same plan in the present year, and have arranged for four Zoological Lectures to be delivered in the Society's Meeting-room, at 3 Hanover Square, W., on Thursdays, at 4.30 P.M. (after the General Meetings), on April 18th, May 16th, June 20th, and July 18th, as follows:—



<i>Date.</i>	<i>Subject.</i>	<i>Lecturer.</i>
April 18.	On the Protection and Nourishment of young Fishes.	Prof. C. STEWART, LL.D., F.R.S.
May 16.	Biological Stations at Home and Abroad: with Lantern Illustrations.	Prof. W. A. HERDMAN, F.R.S.
June 20.	Mimicry: with Lantern Illustrations.	Prof. E. B. POULTON, F.R.S., F.Z.S.
July 18.	Rhinoceroses, Recent and Extinct.	Mr. F. E. BEDDARD, F.R.S., F.Z.S.

Tickets for these Lectures may be obtained at the Society's Office, price 2s. 6d. each lecture. Fellows of the Society can obtain free tickets for themselves and two friends on application.

### 3. SCIENTIFIC PUBLICATIONS.

#### a. *Proceedings.*

The volume of 'Proceedings' for 1900 contains 1063 pages, with 62 plates and 208 illustrations in the letterpress. In the following Table are given the numbers of plates and pages of the volumes of 'Proceedings' for the past ten years:—

	plates.	pages.
1891 . . . . .	50	703
1892 . . . . .	47	756
1893 . . . . .	64	812
1894 . . . . .	49	780
1895 . . . . .	56	1059
1896 . . . . .	52	1110
1897 . . . . .	57	1013
1898 . . . . .	66	1091
1899 . . . . .	72	1108
1900 . . . . .	62	1063

The volumes of 'Proceedings' are now grown so bulky, that it has been determined by the Committee of Publication from the commencement of the present year to issue them for the future in two half-yearly volumes.



b. *Transactions.*

Of the Society's quarto 'Transactions' one part was published in 1900, viz. :—

## VOL. XV. PART V. (December.)

A Monograph of the Genus *Casuarius*. By the Hon. Walter Rothschild, Ph.D., F.Z.S. With a Dissertation on the Morphology and Phylogeny of the *Palæognathæ* (*Ratitæ* and *Crypturi*) and *Neognathæ* (*Carinatae*). By W. P. Pycraft. (With 24 Plates.)

The Council wish to call special attention to this Monograph, which embraces results of a careful study of the species of the important genus *Casuarius*, or Cassowary, based mainly upon the examination of living specimens which have been collected by Mr. Rothschild from every part of its range and deposited in the Society's Gardens. The Monograph is accompanied by numerous coloured plates, showing the heads and the brightly-coloured naked patches of skin which adorn them, of life-size, and illustrating all the known species of this difficult group. It is also accompanied by a very valuable dissertation on the Morphology and Phylogeny of the Cassowaries and the allied groups of birds, by Mr. W. P. Pycraft, prepared mainly from specimens supplied by Mr. Rothschild. The total cost of this part of the Society's 'Transactions,' which contains altogether 181 pages and is illustrated by 24 plates, amounted to nearly £900, in aid of which Mr. Rothschild has made the generous contribution of £450 to the Society's finances.

Three other parts of the 'Transactions' have been published since the commencement of the present year :—

## VOL. XV. PART VI. (April, 1901).

Notes on the Transformations of some South-African Lepidoptera. By Lieut.-Colonel J. Malcolm Fawcett. (With 4 Plates.)



## VOL. XV. PART VII. (April, 1901).

On some Points in the Anatomy of *Polypterus*. By J. S. Budgett, M.A., F.Z.S. (With 3 Plates.)

## VOL. XVI. PART I. (February, 1901).

On the Development of the Skeleton of the Tuatara, *Sphenodon punctatus*; with Remarks on the Egg, on the Hatching, and on the Hatched Young. By G. B. Howes, LL.D., F.R.S., and H. H. Swinnerton, B.Sc. (With 6 Plates.)

Five 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. Contributions towards a Knowledge of the Osteology of the Pigmy Whale. By Frank E. Beddard, M.A., F.R.S. (Read November 20th, 1900.)

2. On the Breeding-habits of *Protopterus*, *Gymnarchus*, and some other West-African Fishes. By J. S. Budgett, M.A., F.Z.S. (Read December 4th, 1900.)

3. Third Contribution to the Ichthyology of Lake Tanganyika. Report on the Collection of Fishes made by Mr. J. E. S. Moore in Lakes Tanganyika and Kivu during his Second Expedition, 1899–1900. By G. A. Boulenger, F.R.S., F.Z.S. (Read January 15th, 1901.)

4. On new or imperfectly-known *Ostracoda*, chiefly from a Collection in the Zoological Museum, Copenhagen. By G. Stewardson Brady, M.D., LL.D., D.Sc., F.R.S., F.Z.S. (Read March 19th, 1901.)

5. A Monograph on the Myology of the Tongue of Parrots, with a Classification of the Order based upon the structure of the Tongue. By Geo. P. Mudge, A.R.C.S. Lond., F.Z.S., etc. (Read April 2nd, 1901.)

c. *Zoological Record*.

The 36th volume of the 'Zoological Record' (which contains a summary of the work done by zoologists all over the world in 1899), edited by Dr. David Sharp,



F.R.S., was published and issued to the subscribers on November 28th, 1900.

The Council take this opportunity of announcing that they have given instructions for the publication of an Index-Volume to the new generic names mentioned in the last twenty-one volumes of the 'Zoological Record,' vols. xvii.-xxxvii. (1870-1900).

The Volumes previous to Vol. xvii. have been indexed in the 'Nomenclator Zoologicus' of Scudder, published by the Smithsonian Institution in 1882. The contemplated Index-Volume of the 'Zoological Record,' in order to increase its usefulness, will include names omitted from Scudder's list and from the volumes of the 'Zoological Record.' Thus zoologists will have at their disposal (in the 'Nomenclator Zoologicus' and the new Index together) a complete list of all the names of genera and subgenera used in zoology up to the end of 1900.

It is earnestly requested that any one who knows of names omitted from Scudder's 'Nomenclator' or from the volumes of the 'Zoological Record,' will prepare a note of them, together, if possible, with a reference as to where they have been noticed or proposed, so that the new list may be made practically complete. Such information should be addressed to the Editor of the 'Zoological Record,' 3 Hanover Square, London, W.; or to Mr. C. O. Waterhouse, British Museum, Natural History, S. Kensington, London, who is engaged in compiling the list.

d. *List of the 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 South-African Philosophical Society, 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 Hungarian National Museum, Budapest.  
 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.

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

## 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 Acclimatation, 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 Natural History Society, Freiburg in Breisgau.  
 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.

## 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 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 Journal of Science, Newhaven.  
 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 Illinois State Laboratory of Natural History, Urbana.  
 The Smithsonian Institution, Washington, D.C.  
 The United-States Fish Commission, Washington, D.C.  
 The United-States Geological Survey, Washington, D.C.  
 The United-States National Museum, Washington, D.C.

## WEST INDIES.

The Institute of Jamaica, Kingston.

## 4. MEETING-ROOM.

Complaints having been made by Fellows of the Society and other attendants at the Meetings of the bad ventilation of the Meeting-room, it was reported by the Society's Architect, after a careful examination, that in order to introduce a proper system of ventilation, according to the most approved modern methods, considerable structural alterations would have to be made in the roof of the building. These alterations were carried out for the Society by Messrs. Robert Boyle & Son, Ltd., after which the Meeting-room was completely cleaned and repainted by the Society's Builders, the total cost of these works being £186. The new system of ventilation appears to be successful and has, it is believed, given general satisfaction.

## 5. 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 1470 visits were



paid to it by Fellows and persons introduced by them. About 1250 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:—

- Affalo. A Walk through the Zoological Gardens, 1900. Presented by the Author.
- Albert, Prince of Monaco. Résultats des Campagnes scientifiques accomplies sur son Yacht par Albert 1<sup>er</sup> Prince Souverain de Monaco. Fasc. xiii.–xvi. 1899–1900.
- Andrews. A Monograph of Christmas Island, 1900. Presented by the Trustees of the British Museum.
- Danish Ingolf-Expedition. Vol. i., Part 3; Vol. ii., Part 3. Presented by the Zoological Museum of the University, Copenhagen.
- Dubois. Synopsis Avium. Fasc. 2–4. 1899. Presented by the Author.
- Fatio. Faune des Vertébrés de la Suisse. Vol. ii., Part 1. 1899. Presented by the Author.
- Fay. Marriage of the Deaf in North America. 1898. Presented by F. W. Headley, Esq.
- Finn. Fancy Waterfowl. 1900. Presented by the Author.
- Gregory. Catalogue of the Cretaceous Bryozoa in the Collection of the British Museum. Vol. i. 1899. Presented by the Trustees of the British Museum.
- Hampson. Catalogue of the Lepidoptera Phalænæ in the Collection of the British Museum. Vol. ii. Presented by the Trustees of the British Museum.
- Hubrecht. Descent of the Primates. 1897. Presented by the Author.
- Leach. Catalogue of Indigenous Mammals and Birds preserved in the British Museum. 1816. Presented by W. Eagle Clarke, Esq.
- Lilljeborg. 'Cladocera Sueciæ.' 1900. Presented by the Author.
- Méhely. Monographia Chiropterorum Hungariæ. 1900. Presented by the Author.
- Morphologisches Jahrbuch. Band xxviii., Hefts 3, 4, xxix., Hefts 1, 2. Presented by Prof. Carl Gegenbaur.
- Norwegian North-Atlantic Expedition. 1876–78. Zoology. Part xxvii. Folio. Presented by Prof. H. Mohn.
- Orellana. Catalogo y descripció d'els pardalo de l'Albufera de Valencia. 1795. Presented by Prof. Newton.
- Purvis. Handbook to British East Africa and Uganda. 1900. Presented by the Author.
- Retzius (G.). Briefe von Johannes Müller an Anders Retzius (1830–57). Presented by the Author.
- Revista do Museu Paulista. Vol. iv. Presented by Dr. H. von Ihering.
- Specht. Tier-Zeichenschule Naturstudien. 1899. Presented by R. Hamlyn-Harris, Esq.
- Sundevall. Tentamen. 1889. Presented by the Author.



- Swinhoe. Eastern Lepidoptera Heterocera. Part 2. Presented by the Delegates of the Press, Oxford.
- Wallace. Studies, Scientific and Social. 2 vols. 1900. Presented by the Author.

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

- Baird. Journals of Voyages to the West Indies, S. America, &c., performed during the years 1823-31. 2 vols. MS. 4to.
- Barrington (R. M.). The Migration of Birds. 8vo. London, 1900.
- Blochmann (F.). Untersuchungen über den Bau der Brachiopoden. Theil ii. Folio. Jena, 1900.
- Buffon. Histoire Naturelle. (Schneider's edition.) 14 vols. 4to. Amsterdam, 1766-99.
- Coward (T. A.) and Oldham (C.). Birds of Cheshire. 8vo. Manchester, 1900.
- Ehrenberg et Hemprich. Symbolæ Physicæ. (Supplement.) Folio. Berolini, 1899.
- Flacourt (E. de). Histoire de la grand Isle, Madagascar. 2 parts. 8vo. Paris, 1661.
- Freshfield (D. W.). The Exploration of the Caucasus. 2 vols. 8vo. London & New York, 1896.
- Goette (A.). Entwicklungsgeschichte des Flussneunauges. Theil i. 4to. Hamburg, 1900.
- Huxley (T. H.). Life and Letters of, by Leonard Huxley. 2 vols. 8vo. London, 1900.
- Kolbe (P.). Kaap de Goede Hoop. 2 vols. 4to. Amsterdam, 1727.
- . English translation, by Medley. 2 vols. 8vo. London, 1731.
- Kolben (P.). Caput Bonæ Spei hodiernum. Folio. Nurnberg, 1719.
- Lankester (E. Ray). A Treatise on Zoology, edited by. Parts 2 and 3. 8vo. London, 1900.
- Nansen (F.). Scientific Results of the Norwegian North Polar Expedition. Vol. i. 4to. Christiania & London, 1900.
- Nordenskiöld. Vega-Expeditionens. Vols. i. and ii. 8vo. Stockholm, 1882-83.
- Oberhummer (R.) and Zimmerer (H.). Durch Syrien und Kleinasien-Reiseschilderungen und Studien. 8vo. Berlin, 1899.
- Oriental Sporting Magazine. 13 vols. 8vo. Calcutta, 1865-75.
- Proceedings of the Berwickshire Naturalists' Field Club. 15 vols. 1832-95. 8vo. Alnwick, 1885-97.
- Reichenow (A.). Die Vögel Afrikas. Band i., Hälfte 1. 8vo. Neudamm, 1900.
- Roosevelt (T.). Big Game Hunting in the Rockies. 4to. New York & London, 1899.
- Sars (G. O.). Fauna Norvegiæ. Band i. 4to. Christiania, 1896.



- Slater (W. L.). Fauna of South Africa. Mammals, Vol. i. 8vo. London, 1900.  
 Starke (A. C.). Fauna of South Africa. Birds, Vol. i. 8vo. London, 1900.  
 'Times' Atlas. New edition. Folio. London, 1900.  
 Tutt (J. W.). British Lepidoptera. Vol. ii. 8vo. London & Berlin, 1899-1900.  
 Ussher (R. J.) and Warren (R.). The Birds of Ireland. 8vo. London, 1900.  
 White (Gilbert). Natural History of Selborne. Edited by R. Bowdler Sharpe. 8vo. London, 1900.  
 Wyatt (C. W.). British Birds. Vol. ii. 4to. London, 1899.  
 Zittel (K. A. von). Text-book of Palæontology. Translated and edited by C. R. Eastman. Vol. i. 8vo. London, 1900.

The following is a list of the principal zoological works in course of publication, of which parts were purchased in 1900:—

- André. Species des Hyménoptères. Tome vii., fasc. 69, 72; Tome viii., fasc. 70.  
 Barrett. Lepidoptera of the British Islands. Parts lxxviii.-lxxxviii.  
 Bronn's Thier-reich. Band ii. (*Echinoderma*), Lief. 29-36; Band iv. (*Vermes*), Lief. 59-62; Band v. (*Arthropoda*), Lief. 57-59.  
 Distant's Insecta Transvaaliensia. Part i.  
 Lee. Among British Birds. Part xvi.  
 Leuckart and Chun. Bibliotheca Zoologica. Heft xxx., xxxi.  
 Martini and Chemnitz. Conchylien-Cabinet. Lief. 448-457.  
 Moore. Lepidoptera Indica. Parts 42-48.  
 Naumann's Naturgeschichte der Vögel Deutschlands. Lief. 59-74.  
 Neapel. Fauna und Flora des Golfes von. Monographies xxii.-xxv.  
 Oudemans. De Nederlandsche Insecten. Afl. 14-15.  
 Plankton-Expedition. Alciopiden und Tomopteriden. Von H. J. Hansen.  
 Rey. Die Eier der Vögel Mitteleuropas. Lief. 1-8.  
 Rippon. Icones Ornithopterorum. Part 10.  
 Römer and Schaudin. Fauna Arctica. I., Lief. 1, 2.  
 Rothschild. The Avifauna of Laysan. Part iii.  
 Sacco. I Molluschi dei Terreni terziarii del Piemonte e della Liguria. Parts xxvii., xxviii.  
 Slater and Thomas. Book of Antelopes. Parts xvi., xvii.  
 Seeböhm and Sharpe. Monograph of the Turdidæ. Parts viii.-x.  
 Semper. Reisen im Archipel der Philippinen. Band vii., Lief. 12; Band viii., Lief. 2.  
 Sepp. Niederländische Insecten. Ser. 2, vol. iv., nos. 49, 50.  
 Sharpe (Miss). Monograph of the Genus *Teracolus*. Parts 6-8.  
 Shelley. Birds of Africa. Vol. ii., parts 1, 2.  
 Smith. Rhopalocera Exotica. Parts li.-liv.



- Taylor. Land and Freshwater Mollusca of the British Islands.  
Parts vi., vii.  
Tierreich. Lief. 9-11.  
Tryon. Manual of Conchology. Ser. 2, Parts xlix.-lii.  
Tutt. British Lepidoptera. Vol. ii.  
Willey. Zoological Results based on Material from New Britain,  
New Guinea, Loyalty Islands, &c. Part iv.

The following is a list of the periodicals received in 1900 from the various Societies and Institutions with which this Society is in correspondence.

#### AFRICA.

- The South-African Philosophical Society, Cape Town.  
Transactions, vol. xi., parts 1, 2.
- The South African Museum, Cape Town.  
Annals, vol. i., part 3; ii., parts 1-3.  
Report, 1899.

#### AMERICA (NORTH).

- The American Academy of Arts and Sciences, Boston.  
Proceedings, vol. xxxv., nos. 4-27.
- The Boston Society of Natural History, Boston.  
Proceedings, vol. xxix., nos. 1-8.
- The Buffalo Society of Natural Sciences, Buffalo.  
Bulletin, vol. vi., nos. 2-4.
- The Museum of Comparative Zoölogy, Harvard College,  
Cambridge, Mass.  
Bulletin, vol. xxxv., no. 8; xxxvi., nos. 1-6; xxxvii., nos. 1, 2;  
xxxviii. Geological Series, v., no. 1.  
Memoirs, vol. xxiv.
- The Chicago Academy of Sciences, Chicago.  
Bulletin, No. 3 (1898).



**The Chicago Entomological Society, Chicago.**

Occasional Papers, vol. i., no. 5.

**The Field Columbian Museum, Chicago.**

Report Series, vol. i., no. 5.

Zoological Series, vol. i., nos. 16-18 ; iii., nos. 1, 2.

**The Nova-Scotian Institute of Science, Halifax.**

Proceedings and Transactions, vol. x., part 1.

**The Royal Society of Canada, Montreal.**

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

**The American Museum of Natural History, New York.**

Bulletin, vol. xii. ; xiii., pp. 1-267.

Memoirs (Anthrop.), vol. iii., parts 1, 2.

Annual Report, 1899.

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

Annals, vol. xii., parts 2, 3.

Memoirs, vol. ii., part 1.

**The Geological Survey of Canada, Ottawa.**Catalogue of Canadian Birds. Part i. By John Macoun.  
8vo. 1900.**The Academy of Natural Sciences, Philadelphia.**

Proceedings, 1899, part 3.

Entomological News, vol. xi.

**The American Entomological Society, Philadelphia.**

Transactions, vol. xxvi., nos. 2-4 ; xxvii., no. 1.

**The American Philosophical Society, Philadelphia.**

Proceedings, vol. xxxviii., no. 160 ; xxxix., nos. 161, 162.

**The American Association for the Advancement of Science,  
Salem.**

Proceedings, 48th Meeting, Columbus, Ohio.



The Illinois State Laboratory of Natural History, Urbana.  
Bulletin, vol. v., articles 10, 11.

The Biological Society, Washington.  
Proceedings, vol. xiii., pp. 123-182.

The Smithsonian Institution, Washington.  
Annual Report, 1897 (1899).

The United States Fish Commission, Washington.  
Bulletin, vol. xviii.

The United States Geological Survey, Washington.  
Monographs, vols. xxxii., part 2; xxxiii.; xxxiv.; xxxvi.;  
xxxvii.; xxxviii.  
Annual Report, xx. (1899).  
Bulletin, nos. 150-162.

The United States Department of Agriculture, Washington.  
(Division of Biology.)

North American Fauna, nos. 17-19.  
Bulletin, nos. 12, 13.

(Division of Entomology.)

Bulletin, New Series, nos. 22, 24-26.  
— Technical Series, no. 8.  
Year-book, 1899.

Washington Academy of Sciences, Washington.  
Proceedings, vol. ii., pp. 1-540.

The Wisconsin Natural History Society, Milwaukee.  
Bulletin, n. s., vol. i., nos. 1, 2.

#### AMERICA (SOUTH).

The National Museum of Buenos Ayres.  
Comunicaciones, tomo i., no. 7.

The Royal Agricultural and Commercial Society of British  
Guiana, Demerara.  
Timehri, n. s., vol. xii., part 2.



**National Museum of Montevideo.**

Anales, tome iii., fasc. 13-16.

**The Pará Museum, Pará.**

Boletim, vol. iii., no. 1.

**The Scientific Society of Chili, Santiago.**

Actes, tome viii., livr. 5; ix., livr. 4, 5; x., livr. 1.

**AUSTRALIAN COLONIES.****The Royal Society of South Australia, Adelaide.**

Transactions, vol. xxiii., parts 1, 2; xxiv., part 1.

**The Australian Museum, Sydney.**

Memoirs, vol. iii., part 10.

Records, vol. iii., parts 6, 7.

**The Linnean Society of New South Wales, Sydney.**

Proceedings, vol. xxiv., part 4; xxv., parts 1, 2.

**The Royal Society of New South Wales, Sydney.**

Journal and Proceedings, vol. xxxiii.

**The Royal Society of Tasmania.**

Papers and Proceedings, 1898-99.

**The New-Zealand Institute, Wellington.**

Transactions and Proceedings, vol. xxxii.

**AUSTRIA-HUNGARY.****The Academy of the University, Cracow.**

Bulletin, 1900, nos. 1-8.

**The Zoological and Botanical Society, Vienna.**

Verhandlungen, Band 50.



## BELGIUM.

The Entomological Society of Belgium, Brussels.

Annales, tome xliii.  
Mémoires, tome vii.

The Museum of the Congo Free State, Brussels.

Annales, sér. ii. (Zool.), tome i., fasc. 5.

## CHINA.

The Royal Asiatic Society, China Branch, Shanghai.

Journal, vol. xxxi.

## EAST INDIES.

The Royal Society of the Dutch East Indies, Batavia.

Natuurkundig Tijdschrift, deel lix.

The Bombay Natural-History Society, Bombay.

Journal, vol. xii., no. 5; xiii., nos. 1, 2.

The Asiatic Society of Bengal, Calcutta.

Proceedings, 1899, nos. 8-11; 1900, nos. 1-8.  
Journal, vol. lxxviii., part 2, nos. 2-4; lxxix., part 2, no. 1.

The Geological Survey of India, Calcutta.

Memoirs, vol. xxviii., part 2; xxix.; xxx., part 1.  
Memoirs (Palæontologia Indica), ser. 9, vol. ii., part 2; ser. 15,  
vol. i., part 2; iii., parts 1, 2; n. s., vol. i., parts 1, 2.  
Report, 1899-1900.

The Indian Museum, Calcutta.

Illustrations of the Zoology of the Royal Indian Marine  
Surveying Steamer 'Investigator.' Crustacea, part vii., plates  
27-35; Fishes, part vii., plates 27-35.  
An Account of the Shallow-water Ophiuroidea. By R.  
Koehler. 1900.



## FRANCE.

**The Linnean Society of Normandy, Caen.**

Bulletin, sér. 5, tome ii.  
Mémoires (2), tome iii., fasc. 3.

**The Royal Agricultural Society, Lyons.**

Annales, sér. 7, tome vi.

**The Entomological Society, Paris.**

Annales, tome lxxvii.

**The Museum of Natural History, Paris.**

Nouvelles Archives, sér. 4, tome i.  
Bulletin, 1899, nos. 6-8; 1900, nos. 1-4.

**The National Society of Acclimatation, Paris.**

Bulletin, 1900.

**The Philomathic Society, Paris.**

Bulletin, sér. 9, tome i., no. 4; ii., nos. 1, 2.

**The Zoological Society of France, Paris.**

Mémoires, tome xii., part 4; xiii., part 1.  
Bulletin, tome xxv., nos. 1-7.  
Causeries Scientifiques, 1900, nos. 1-5.

## GERMANY.

**The Royal Prussian Academy of Sciences, Berlin.**

Sitzungsberichte, 1899, nos. 39-53; 1900, nos. 1-38.

**The Society of Friends of Natural History, Berlin.**

Sitzungs-Berichte, 1899; 1900, nos. 1-9.

**The Natural History Union of Rhineland and Westphalia,  
Bonn.**

Verhandlungen, Jahrg. lvi., Hälfte 2.  
Sitzungsberichte, 1899, Hälfte 2.



- The German Malacological Society, Frankfort-on-Main.  
Nachrichtsblatt, Band xxxii.
- The New Zoological Society, Frankfort-on-Main.  
Der Zoologische Garten, Jahr. xli.
- The Senckenbergian Natural History Society, Frankfort-on-Main.  
Abhandlungen, Band xx., Heft 2; xxvi., Heft 1.  
Berichte, 1899.
- The Natural History Society, Freiburg.  
Berichte, Band xi., Heft 2.
- The Royal Society of Sciences, Göttingen.  
Nachrichten (Mathematisch-physikal. Klasse), 1899, Heft 3;  
1900, Hefts 1, 2 (Geschäftliche Mittheilungen); 1900, Hefts  
1, 2.
- The Natural Science Union, Hamburg.  
Verhandlungen, 3 Folge, Band vii., 1899.  
Abhandlungen, Band xvi., Hälfte 1.
- The Medical and Natural-History Society, Jena.  
Jenaische Zeitschrift, Band xxxiii., Hefts 3, 4; xxxiv.  
Denkschriften, Band vii., Lief. 3; viii., Lief. 5.
- The Metz Academy, Metz.  
Mémoires, sér. 3, Année xxvi.
- The Royal Bavarian Academy of Sciences, Munich.  
Sitzungsberichte, 1900, Heft 2.
- The Westphalian Provincial Union of Science and Art,  
Münster.  
Jahres-Bericht, 1899-1900.
- The Natural-History Union, Würtemberg.  
Jahreshefte, Jahrg. lvi.



## GREAT BRITAIN AND IRELAND.

- The Natural History and Philosophical Society, Belfast.**  
Report and Proceedings, 1898-99.
- The Philosophical Society, Birmingham.**  
Proceedings, vol. x., parts 1, 2; xi., part 1.  
Records, 1896, 1897.
- The Philosophical Society, Cambridge.**  
Proceedings, vol. x., parts 4-6.  
Transactions, vol. xviii.; xix., part 1.
- The Royal Irish Academy, Dublin.**  
Proceedings, ser. 3, vol. v., nos. 4, 5; vi., no. 1.
- The Royal Dublin Society, Dublin.**  
Scientific Transactions, ser. 2, vol. vii., nos. 2-7.  
Scientific Proceedings, n. s., vol. ix., parts 1, 2.  
Economic Proceedings, vol. i., parts 1, 2.  
General Index to Scientific Proceedings and Transactions from  
1877-1898 (1899).  
Studies from the Marine Laboratory of, vol. i., part 1.
- The Royal Physical Society, Edinburgh.**  
Proceedings, Session 1898-99.
- The Royal Society, Edinburgh.**  
Proceedings, vol. xxii., no. 7; xxiii., nos. 1, 2.  
Transactions, vol. xxxix., nos. 2-4.
- The Scottish Microscopical Society, Edinburgh.**  
Proceedings, Session 1898-1900.
- The Scottish Natural History Society, Edinburgh.**  
Transactions, vol. i., part i.
- The Hertfordshire Natural-History Society, Hertford.**  
Transactions, vol. x., part 5.
- The British Association for the Advancement of Science,  
London.**  
Report, 69th Meeting, Dover, 1899.



- The British Ornithologists' Club, London.**  
Bulletin, nos. lxx.-lxxv.
- The Entomological Society, London.**  
Transactions, 1899, parts 4, 5; 1900, parts 1-4.
- The Geological Society, London.**  
Quarterly Journal, vol. lvi.  
Geological Literature added to the Library, 1899.  
List of Members, 1900.
- The Linnean Society, London.**  
Journal (Zoology), vol. xxvii., nos. 177, 178; xxviii., nos. 179-180.  
— (Botany), vol. xxxiv., nos. 240, 241.  
Transactions (Zoology), ser. 2, vol. vii., nos. 9-11.  
— (Botany), ser. 2, vol. v., nos. 7, 8, 11, 12.  
Proceedings, Nov. 1899 to June 1900.
- The South London Entomological and Natural History Society, London.**  
Proceedings, 1899.
- The Royal Agricultural Society of England, London.**  
Journal, ser. 3, vol. xi.
- The Royal Gardens, Kew, London.**  
Bulletin, 1900, App. 2-4; 1901, App. 1.
- The Royal Geographical Society, London.**  
The Geographical Journal, vols. xv., xvi.  
Year-book, 1900.
- The Royal Society, London.**  
Proceedings, vol. lxvi., nos. 424-435; lxvii., nos. 436-438.  
Year-book, 1900.  
Report, 1900.  
Report to the Malaria Committee, 1899-1900.
- The Royal United Service Institution, London.**  
Journal, 1900.
- The Selborne Society, London.**  
Nature Notes, nos. 121-132.



- The Society of Arts, London.**  
Journal, 1900.
- The Literary and Philosophical Society, Manchester.**  
Memoirs and Proceedings, vol. xliv.
- The Owens College, Manchester.**  
Publications, nos. 30, 31.  
Studies in Biology, iv., 1899.
- The Tyneside Naturalists' Field Club, Newcastle.**  
Natural History Transactions, vol. xiii., part 3.
- The Marine Biological Association, Plymouth.**  
Journal, n. s., vol. vi., nos. 1, 2.
- The Yorkshire Philosophical Society, York.**  
Annual Report, 1899.

#### HOLLAND.

- The Royal Academy of Sciences, Amsterdam.**  
Verhandelingen, sect. 2, Deel vii., nos. 1-3.  
Verslagen der Zittingen, Deel viii., 1899-1900.  
Jaarboek, 1899.  
Proceedings (Section of Sciences), vol. ii., 1900.
- The Dutch Society of Sciences, Haarlem.**  
Archives Néerlandaises, sér. (2), tome iii., livr. 3-5; iv., livr. 1.
- The Entomological Society of the Netherlands, The Hague.**  
Tijdschrift voor Entomologie, Deel xlii., Afl. 4; xliv., Afl. 1, 2.
- The Museum of Natural History, Leyden.**  
Notes, vol. xxi.; xxii., nos. 1, 2.

#### ITALY.

- The National Central Library, Florence.**  
Bollettino, 1900, num. 337-360.
- The Italian Society of Natural Science, Milan.**  
Atti, vol. xxxviii., fasc. 4; xxxix., fasc. 1, 2.



**The Zoological Station, Naples.**

Mittheilungen, Band xiv., Hefts 1, 2.

**The Royal Academy of the Lincei, Rome.**

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

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

Bollettino, vol. xiv., nos. 354-376.

**The Royal Academy of Sciences, Turin.**

Atti, vol. xxxv.

Memorie, ser. 2, tomo xlix.

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

Journal of the College of Science, vol. xi., part 4; xii., part 4; xiii., parts 1, 2.

Mittheilungen, Band iv., parts 6, 7.

Calendar, 1899-1900.

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

Jornal, ser. 2, tomo vi., nos. 21, 22.

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

Sitzungsberichte, Band xii., Heft 2.

**The Society of Sciences of Finland, Helsingfors.**

Bidrag, Hefts 58-60.

Ofversigt, Bands xl.-xlii.

**The Imperial Society of Naturalists, Moscow.**

Bulletin, 1899.

**The Entomological Society of Russia, St. Petersburg.**

Horæ, tome xxxiii., nos. 1, 2; xxxiv., nos. 1-4.



**The Royal Academy of Sciences, St. Petersburg.**

Mémoires, sér. 8, tome viii., nos. 6-9; ix., no. 6; x., nos. 1, 2.  
 Bulletin, sér. 5, tome x., no. 5; xi.; xii., no. 1.  
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Surveyor; University of Toronto; Tufts College; the Royal College of Veterinary Surgeons; the U.S. Department of Agriculture; the West Australian Acclimatization Society; the Zoological and Acclimatization Society of Victoria.

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

#### 1. NEW BUILDINGS AND WORKS.

The most important new works carried on at the Gardens during the past year were the completion of the new bore and machinery of the deep well, the construction of a second reservoir for water, and the reconstruction of the roof of the Lion-house.

As regards the first two of these subjects full explanations have already been given in the two previous Annual Reports of the reasons for undertaking them. The balance due to Messrs. Isler and Co. on the new bore and machinery for the Well, amounting to £355 4s. 7d., was paid in 1900, and charged to extraordinary expenditure. The remaining cost of the new Reservoir amounting to £390 18s. 2d. was likewise paid to the Contractors, Messrs. Westwood & Wrights, during the past year, and charged to extraordinary expenditure. This, however, leaves a small balance (under £40) still due to the Contractors when certain slight alterations shall have been completed.

The new well-machinery and second water-reservoir have been now for some time in full action, and the Council find that, during the winter months at all events, the Society will be able to draw sufficient water for its requirements from its own well. During the summer months, however, it will, no doubt, be still necessary to have recourse to the West Middlesex Water Co., with which the Society has long had a contract to supply all the water required at the rate of 6d. per 1000 gallons.

The third subject of extraordinary expenditure in 1900 was the reconstruction of the roof and skylights of the Lion-house, built in 1876, which have for some years been in an unsatisfactory state from the decay of the brickwork and slates and the shrinkage of the lights.



After a thorough examination by the Architect, the Council were advised that, besides the repairs to the roof, it would be advisable to put in a new and more extended range of skylights, by which additional light would be obtained in the interior. The works for this purpose were entrusted to Messrs. Smith & Co., of Mount Street, W., and carried out by them during the summer of 1900 at a total cost of £1,054 14s. 0d., which has been charged to extraordinary expenditure.

## 2. REPAIRS AND SMALLER WORKS.

The Repairs and Smaller Works carried on during the year 1900 by the staff of workmen under the superintendence of the Clerk of the Works were numerous and of varied character. Amongst other particulars it may be mentioned that a range of old greenhouses was removed in preparation for the erection of a new range, and that the floors of the Eagles' Aviary were asphalted and repaired, and the whole building put into thorough order. The stones on the Terrace-steps were redressed and repaired. Two of the lavatories were painted, put in order, and furnished with new closets. The space before the North Entrance was repaved with York paving-stone; the Mandarin Ducks' pond was repaired and furnished with a new rat-proof fence; the workshops in the Lower Yard were pulled down and partly rebuilt, and a new Fruit-room was erected at one end of them. Besides these a large number of smaller repairs were effected.

The new Pheasantry on the north bank of the Canal in the North Gardens was finally completed by the Society's workmen in the course of last year, and was opened to the Public after Easter of this year; it will be found tenanted by a full series of members of the Pheasant family. During the past winter a large quantity of clay, resulting from the excavation of the new reservoir, was burnt into ballast and will be utilized for the repairs of the walks and paths. The principal buildings painted and redecorated in 1900 were the Band-stand, the Owls' cages, the Fish-house, the verandah in front of the Bears' dens, the Kites' Aviary, the Hippopotamus-house, and the Western Aviary. A large number of the roads and walks were gravelled and repaired.



### 3. STAFF AT THE GARDENS.

The Ordinary 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, an Assistant Superintendent, a Storekeeper, a Head Gardener, a Prosector's Assistant, a Clerk of the Works, and a Clerk in the Office. There are also twenty-one Keepers and three Money-takers — altogether 31 persons, employed at monthly salaries.

Besides these there are 21 Helpers in the Menagerie, 2 Butchers, 2 Stokers, 2 Night-Watchmen, 1 Cook, 1 Messenger; on the Gardeners' Staff there are 1 Propagator, 2 Assistant Propagators, and 10 Labourers; and on the Works' Staff 2 Carpenters, 2 Bricklayers, 1 Smith, 2 Wireworkers, 1 Engine-driver, 1 Networker, 11 Painters, 11 Labourers, and 1 Time-keeper, all employed at weekly wages; so that the number of the whole staff may be reckoned at about 105.

### 4. VISITORS.

The total number of Visitors to the Society's Gardens in 1900 was 697,178, showing a slight increase over the corresponding number in 1899, as will be seen by the following table:—

	1900.	1899.	Comparison.
Fellows and Friends .....	170,549	177,998	Decr. 7,449
Paying {	On ordinary days at 1s. each. ....	177,807	Incr. 4,724
	On Mondays and other days at 6d. each .....	273,904	Incr. 359
	Children under 12 years at 6d. each .....	50,496	Decr. 59
School Children (admitted free).....	24,422	21,526	Incr. 2,896
	697,178	696,707	Incr. 471

The average number of visitors during the past ten years, as will be seen by the following table, was 658,936, so that the number of entrances in 1900 was 38,242 above the average of the ten preceding years.



*Number of Visitors to the Gardens, 1828-1900.*

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

\* 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 number of deaths in the Menagerie during the past year has been 1,557, showing an increase of 440 as compared with the previous year. The increase was mainly due to a large number of small reptiles received on deposit. Of the deaths the more important were:—Two Rhinoceroses (a Sumatran and a Hairy-eared), the male Grevy's Zebra belonging to Her late Majesty the Queen, three Bassariscs, three Ostriches, and nine Cassowaries, a Caucasian Wild Goat, 12 Kangaroos, and a White-tailed Gnu.

The Laboratory has been used for purposes of research by Mr. P. Chalmers Mitchell, M.A., F.Z.S., and Mr. Parsons, F.R.C.S., F.Z.S. Material has been supplied to these gentlemen, as well as to Prof. Symington, M.D., F.Z.S., of Queen's College, Belfast, Dr. A. Keith, F.R.C.S., F.Z.S., and Mr. Brian Hodgson.

### 6. MENAGERIE.

#### a. *Additions to the Menagerie in 1900.*

The number of animals belonging to the first three classes of Vertebrates living in the Society's Menagerie at the close of 1900 was 2,865. The corresponding number on the 31st of December, 1899, was 2,753, as will be seen by the following Table:—

	December 31.		Comparison.
	1900.	1899.	
Mammals.....	758	821	Decr. 63
Birds .....	1,495	1,471	Incr. 24
Reptiles .....	612	461	Incr. 151
	2,865	2,753	Incr. 112

The total number of registered additions to the Menagerie in 1900 was 1,947, of which 586 were acquired by



presentation, 247 by purchase, 94 were bred in the Gardens, 994 were received on deposit, and 26 obtained in exchange.

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

	Presented.	Purchased.	Born.	Deposited.	Received in Exchange.	Total.
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
1898.	598	327	103	435	32	1495
1899.	531	354	82	433	6	1406
1900.	586	247	94	994	26	1947

The following is a list of the more noticeable additions made to the Menagerie during the year 1900:—

Two Tcheli Monkeys presented by Dr. S. W. Bushell, C.M.G., C.M.Z.S., on February 10th. Dr. Bushell on quitting China kindly forwarded to us these two Monkeys, supposing that the two individuals presented by him in 1886 might be failing in health, but one of these animals (the male) is still well and strong.

A young Lyre-bird (*Menura superba*), presented by Messrs. Carrick and Fry on April 12th. Of this well-known Australian type no specimen has been received since 1876. The present example is immature, and probably a female.

A Ural Owl (*Syrnium uralense*), obtained by purchase April 24th. This fine Owl of North-eastern Europe has not been previously represented in the Society's Collection.

A young female Cape Hunting-Dog (*Lycan pictus*), obtained by purchase on May 4th. This is a rather rare and delicate canine animal, the present specimen of which seems likely to do well.

A young male Rocky-Mountain Goat (*Haploceros montanus*) from British Columbia, purchased June 6th, of Mr. J. La Montagne, by whom it had been captured on Elfa Mountain, British Columbia, on June 12th, 1899. This is believed to be the first living specimen of the species brought to Europe.

A fine pair of Tigers (*Felis tigris*) from Mysore, India, presented by H.H. the Maharani Regent of Mysore, and received on the 6th of July.



A young female Brindled Gnu (*Connochætes taurina*), born in the Gardens on July 14th, being the first instance of this species breeding in the Society's Menagerie.

Four Red-collared Lorikeets (*Trichoglossus rubritorques*), deposited by the Hon. W. Rothschild, M.P., on July 27th. This beautiful species is new to the Society's Parrot-house.

A Caffer Bustard (*Eupodotis caffra*), from Port Elizabeth, presented by the late Mr. J. E. Matcham, C.M.Z.S., Oct. 22nd.

A Bouquet's Amazon (*Chrysotis bouqueti*), from Dominica, West Indies, acquired by purchase, Oct. 31st.

Seven specimens of Verreaux's Guinea-fowl (*Guttera edouardi*), presented on December 31st by Mr. J. F. Walker of Bulawayo. Mr. Walker states that this Guinea-fowl is found in Rhodesia, so far as he knows, only in the Wankie Hills, a district due north of Bulawayo, and about midway between that city and the Zambesi. Only one specimen of it had previously reached the Society's aviaries (see P. Z. S. 1890, p. 86).

A valuable series of Indian birds lately presented to the Society by Mr. E. W. Harper, F.Z.S., of Calcutta, consisting of examples of twenty species, all new to the Society's Collection.

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 1900.*

Clover . . . . .	146 loads.	Rice . . . . .	64 cwt.
Hay . . . . .	133 "	Mawseed ..	42 lbs.
Straw . . . . .	240 "	Oil-cake . . . .	55 cwt.
Oats . . . . .	163 qrs.	Oatmeal . . . .	5 "
Barley . . . . .	36 "	Bread . . . . .	6810 qtns.
Wheat . . . . .	37 "	Milk (Fresh)	5011 qts.
Peas . . . . .	1 qr.	Milk (Preserved)	240 tins.
Beans . . . . .	6 qrs.	Biscuit . . . .	304 cwt.
Maize . . . . .	57 "	Eggs . . . . .	26,504
Bran . . . . .	219 "	Horses 343, weighing	137 tons.
Canary . . . . .	16 "	Goats 486 "	1239 stone.
Hemp . . . . .	11 "	Flounders ..	2190 lbs.
Rape . . . . .	6 "	Whitings ..	29,200 "
Millet . . . . .	4 "	Rough Fish	9998 lbs.
Buckweat ..	6 "	Shrimps . . . .	1248 quarts.



Fowl-heads	9370	Pears . . . . .	15 bush.
Sugar . . . . .	500 lbs.	Grapes . . . . .	1062 lbs.
Raisins . . . . .	183 „	Dates . . . . .	1515 „
Currants . . . . .	120 „	Oranges . . . . .	4700
Figs . . . . .	168 „	Onions . . . . .	2 bush.
Liebig . . . . .	47 pots.	Monkey Nuts	34 cwt.
Greens . . . . .	5312 bunches.	Spanish Nuts	17 pecks.
Carrots . . . . .	149 bunches & 107 cwt. in sacks.	Brazil Nuts .	13 „
Potatoes . . . . .	130 cwt.	Cherries . . . . .	180 lbs.
Cress . . . . .	2330 bunches.	Melons . . . . .	28
Bananas . . . . .	990 doz.	Marrows . . . . .	94 doz.
Apples . . . . .	153 bush.	Cabbage . . . . .	647 „
		Lettuce . . . . .	286 „

b. *List of the Species new to the Collection exhibited during the year 1900.*

The following list gives the names of the specimens exhibited in 1900 which are referable to species not included in the last (ninth) edition (1896) of the List of Animals. It contains 14 Mammals, 32 Birds, 21 Reptiles, 3 Batrachians, and 2 Fishes.

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

i. MAMMALS.

26 a. *Cercopithecus melanogenys* Gray. Black-cheeked  
Monkey.

*Hab.* W. Africa.

a. Male. Presented by F. J. Sparrow, Esq., Aug. 14,  
1900.

26 b. *Cercopithecus schmidti* Matschie. Schmidt's  
Monkey.

*Hab.* East Africa.

a. Female. Purchased, Sept. 25, 1900.



- 49 a. *Cercocebus hagenbecki* Lyd. Hagenbeck's Mangabey.  
*Hab.* Upper Congo.  
 a. Female. Presented by the Rev. A. Christopher, March 22, 1900. From the Mobangi River.  
 b. Male. Deposited, Oct. 16, 1900.
- 52 a. *Cercocebus chrysogaster* Lyd. Orange-bellied Mangabey.  
*Hab.* Congoland.  
 a. Male. Deposited, Feb. 6, 1900.
- 75 a. *Cynocephalus doguera* Puch. et Schimp. Doguera Baboon.  
*Hab.* Abyssinia.  
 a. Male. Deposited, Nov. 30, 1900.
- 75 b. *Cynocephalus neumanni* Matschie. Neumann's Baboon.  
*Hab.* East Central Africa.  
 a. Female. Deposited (by Capt. Boyd Alexander, F.Z.S.), April 18, 1900. From Zanzibar.
- 132 a. *Midas mystax* Spix. Moustache Tamarin.  
*Hab.* Upper Amazons.  
 a. Deposited, Nov. 9, 1900.
- 349 a. *Centetes ecaudatus* (Schreb.). Tenrec.  
*Hab.* Madagascar.  
 a, b. Deposited, Sept. 4, 1900. See P. Z. S. 1900, p. 772.  
 c-e. Deposited, Nov. 8, 1900.



428 a. *Gerbillus garamantis* (Lataste). Garamantic  
Gerbille.

*Hab.* Algeria.

a. Presented by the Rev. A. S. Eaton, June 5, 1900.  
From Biskra.

461 a. *Myoscalops argenteo-cinereus* (Peters). Silvery  
Mole-Rat.

*Hab.* E. Africa.

a-e. Deposited, June 23, 1900.

463 a. *Pedetes caffer* (Pall.). Cape Jumping-Hare.

*Hab.* South Africa.

a. Presented by W. Champion, Esq., F.Z.S., Mar. 31, 1899.

578 a. *Gazella marica* Thomas. Marica Gazelle.

*Hab.* Arabia.

a. Female. Presented by B. T. Finch, Esq., F.Z.S.,  
Feb. 19, 1899. 1900/

605 a. *Haploceros montanus* (Ord). Rocky-Mountain  
Goat.

*Hab.* Central America.

a. Male. Purchased, June 6, 1900. From British  
Columbia. See P. Z. S. 1900, p. 771.

699 a. *Bradypus infuscatus* Wagler. Dusky Sloth.

*Hab.* Colombia.

a. Deposited, Oct. 11, 1900.

## ii. BIRDS.

16 a. *Turdus alpestris* (C. L. Brehm). Alpine Ring-  
Ouzel.

*Hab.* Europe.

a, b. Presented by J. Young, Esq., Aug. 15, 1894.



- 16 *b.* *Turdus atrigularis* Temm. Black-throated Ouzel.  
*Hab.* British India.  
*a.* Male. Presented by E. W. Harper, Esq., F.Z.S.,  
 Sept. 21, 1900.
- 16 *c.* *Turdus unicolor* (Tickell). Tickell's Ouzel.  
*Hab.* British India.  
*a, b.* Presented by E. W. Harper, Esq., F.Z.S., Sept. 21  
 1900.
- 23 *a.* *Ruticilla titys* (Scop.). Black Redstart.  
*Hab.* Europe.  
*a.* Purchased, June 15, 1900.
- 88 *b.* *Psaroglossa spiloptera* (Vig.). Spotted-Wing.  
*Hab.* British India.  
*a.* Presented by E. W. Harper, Esq., F.Z.S., Sept. 21,  
 1900.
- 94 *a.* *Ianthocincla rufigularis* Gould. Rufous-chinned  
 Laughing-Thrush.  
*Hab.* British India.  
*a.* Presented by E. W. Harper, Esq., F.Z.S., Sept. 21,  
 1900.
- 95 *a.* *Trochalopteron nigrimentum* Hodgs. Western  
 Yellow-winged Laughing-Thrush.  
*Hab.* British India.  
*a.* Male; *b.* Female. Presented by E. W. Harper, Esq.,  
 F.Z.S., Sept. 21, 1900.
- 100 *a.* *Pomatorhinus schisticeps* Hodgs. Slaty-headed  
 Scimitar Babbler.  
*Hab.* British India.  
*a.* Presented by E. W. Harper, Esq., F.Z.S., Sept. 21,  
 1900.



- 108 a. *Artamus personatus* (Gould). Masked Wood-Swallow.  
*Hab.* Australia.  
 a. Male; b. Female. Purchased, Jan. 6, 1900.  
 c. Male; d. Female. Purchased, April 9, 1900.
- 108 b. *Artamus sordidus* (Lath.). Sordid Wood-Swallow.  
*Hab.* Australia.  
 a-e. Purchased, May 10, 1900.
- 122 d. *Anthochaera carunculata* (Lath.). Wattled Honey-eater.  
*Hab.* Australia.  
 a-c. Deposited, Nov. 3, 1900.
- 325 a. *Serinus angolensis* (Gm.). Angola Seed-eater.  
*Hab.* Angola.  
 a. Presented by Miss Long, June 13, 1900.
- 354 a. *Emberiza sulphurata* Temm. & Schl. Sulphury Bunting.  
*Hab.* China.  
 a, b. Purchased, July 28, 1900.
- 404 a. *Sturnus menzbieri* Sharpe. Common Indian Starling.  
*Hab.* India.  
 a-d. Purchased, May 8, 1900.
- 494 a. *Mirafra cantillans* Blyth. Singing Bush-Lark.  
*Hab.* British India.  
 a, b. Presented by E. W. Harper, Esq., F.Z.S., Nov. 27, 1900.



- 499 a. *Pyrrhulauda grisea* (Scop.). Ashy-crowned Finch-Lark.  
*Hab.* British India.  
 a-c. Male ; d. Female. Presented by E. W. Harper, Esq., F.Z.S., Nov. 27, 1900.
- 516 a. *Psophodes crepitans* (Lath.). Coach-whip Bird.  
*Hab.* Australia.  
 a. Male ; b. Female. Deposited, October 19, 1900.
- 535 a. *Halcyon chloris* (Bodd.). White-collared Kingfisher.  
*Hab.* India.  
 a. Deposited, Aug. 15, 1900.
- 560 a. *Coracias indica* Linn. Indian Roller.  
*Hab.* India.  
 a. Presented by E. W. Harper, Esq., F.Z.S., Aug. 14, 1900.
- 614 a. *Trichoglossus rubritorques* Vig. & Horsf. Red-collared Lorikeet.  
*Hab.* N.W. Australia.  
 a-d. Deposited, July 27, 1900. See P. Z. S. 1900, p. 772.
- 694 a. *Chrysotis bouqueti* (Bechst.). Bouquet's Amazon.  
*Hab.* Dominica.  
 a. Purchased, Oct. 31, 1900. See P. Z. S. 1900, p. 772.
- 696 a. *Chrysotis inornata* Salvad. Plain-coloured Amazon.  
*Hab.* S. America.  
 a. Presented by Dr. Seton, May 6, 1890.  
 b. Deposited, Dec. 5, 1900.



756 a. *Palæornis schisticeps* Hodgs. Slaty - headed  
Parrakeet.

*Hab.* British India.

a. Male; b. Female. Presented by E. W. Harper, Esq.,  
F.Z.S., Nov. 27, 1900.

756 b. *Palæornis finschi* Hume. Burmese Slaty-headed  
Parrakeet.

*Hab.* Burmah.

a. Male. Presented by E. W. Harper, Esq., F.Z.S.,  
Nov. 27, 1900.

777 a. *Loriculus vernalis* (Sparrm.). Vernal Hanging  
Parrakeet.

*Hab.* East Indies.

a, b. Deposited, Nov. 14, 1900.

824 a. *Syrnium uralense* (Pall.): Ural Owl.

*Hab.* N.E. Europe.

a. Purchased, April 24, 1900. See P. Z. S. 1900, p. 429.  
b. Deposited, Dec. 17, 1900.

854 a. *Ciccaba virgata* (Cass.). Striped Owl.

*Hab.* Central America.

a. Purchased, April 24, 1900. From the Gulf of Mexico.

1094. *Theristicus melanopis* (Gm.). Black-faced Ibis.

*Hab.* South America.

a. Purchased, March 13, 1900.

1221 a. *Carpophaga concinna* Wall. Golden-eyed Fruit-  
Pigeon.

*Hab.* British India.

a. Presented by E. W. Harper, Esq., F.Z.S., Nov. 27,  
1900.



1313 *a.* *Pterocles pyrenaica* (Briss.). Western Pin-tailed  
Sand-Grouse.

*Hab.* Spain.

*a, b.* Deposited, April 6, 1899.

1665 *b.* *Casuaricus sclateri* Salvad. Sclater's Cassowary.

*Hab.* British New Guinea.

*a.* Deposited, May 7, 1900.

1672 *a.* *Struthio australis* Gurn. South-African Ostrich.

*Hab.* South Africa.

*a.* Male; *b.* Female. Received in exchange, March 19,  
1898.

### iii. REPTILES.

11 *a.* *Chrysemys reticulata* (Daud.). Reticulated Ter-  
rapin.

*Hab.* S. America.

*a.* Deposited, May 3, 1900.

12 *a.* *Chrysemys scripta elegans* (Wied). Elegant  
Terrapin.

*Hab.* N. America.

*a-t.* Deposited, May 3, 1900.

*u-f'.* Deposited, May 7, 1900.

*q'-s'.* Deposited, May 18, 1900.

18 *b.* *Malacoclemmys lesueuri* (Gray). Lesueur's Terrapin.

*Hab.* N. America.

*a-q.* Deposited, May 7, 1900.

*r-w.* Deposited, May 18, 1900.



- 35 b. *Cyclemys trifasciata* (Bell). Three-banded Terrapin.  
*Hab.* China.  
 a. Deposited, May 2, 1900.
- 60 a. *Testudo microphyes* Günth. Thin-shelled Tortoise.  
*Hab.* Galapagos Islands.  
 a-b. Deposited, Aug. 14, 1900.
- 128 a. *Agama stellio* (Linn.). Starred Lizard.  
*Hab.* Egypt.  
 a, b. Presented by Capt. S. S. Flower, F.Z.S., March 14, 1900.
- 150 a. *Tropidurus torquatus* (Wied). Ring-necked Lizard.  
*Hab.* N. Brazil.  
 a-f. Presented by Capt. Albert Pam, F.Z.S., Sept. 29, 1900.
- 161 a. *Sceloporus undulatus* (Daud.). Undulated Lizard.  
*Hab.* United States.  
 a. Deposited, Feb. 5, 1900.  
 b-i. Deposited, May 3, 1900.  
 j-m. Deposited, Sept. 14, 1900.  
 n-r. Deposited, Nov. 23, 1900.
- 169 a. *Gerrhonotus caruleus* Wieg. Blue Lizard.  
*Hab.* Western N. America.  
 a. Deposited, Feb. 9, 1900.  
 b-f. Deposited, Aug. 16, 1900.  
 g. Deposited, Aug. 17, 1900.  
 h-l. Deposited, Nov. 23, 1900.  
 m-o. Deposited, Nov. 30, 1900.



- 170 a. *Ophiosaurus ventralis* (Linn.). American Glass-Snake.  
*Hab.* S.E. United States.  
*a-c.* Deposited, Feb. 5, 1900.
- 187 a. *Ameiva surinamensis* (Laur.). Surinam Lizard.  
*Hab.* N. Brazil.  
*a-c.* Presented by Capt. Albert Pam, F.Z.S., Sept. 29, 1900.
- 187 b. *Crocodylus lacertinus* (Daud.). Lacertine Crocodylus.  
*Hab.* Brazil.  
*a-f.* Presented by Capt. A. Pam, F.Z.S., Sept. 29, 1900.
- 228 a. *Eumeces quinquelineatus* (Linn.). Five-lined Skink.  
*Hab.* S.E. United States.  
*a-i.* Deposited, Feb. 5, 1900.
- 268 a. *Lichanura trivirgata* Cope. Three-striped Boa.  
*Hab.* Western N. America.  
*a.* Deposited, Feb. 9, 1900.  
*b.* Deposited, Nov. 30, 1900.
- 271 a. *Tropidonotus ordinatus couchi* (Kennicott). Couch's Snake.  
*Hab.* California.  
*a-d.* Deposited, Sept. 25, 1900.



271 b. *Tropidonotus ordinatus infernalis* (Bocourt). Elegant Snake.

*Hab.* California.

a-d. Deposited, Sept. 25, 1900.

313 a. *Coluber prasinus*, Blyth. Prasine Snake.

*Hab.* N. India.

a, b. Deposited, Aug. 2, 1900.

c, d. Deposited, Aug. 21, 1900.

341 a. *Coronella gentilis* (Baird & Gir.). Coralline Snake.

*Hab.* S. America.

a-c. Deposited, May 3, 1900.

d. Deposited, May 17, 1900.

345 a. *Contia decemlineata* (Dum. & Bibr.). Ten-lined Snake.

*Hab.* N. America.

a-c. Deposited, May 17, 1900.

345 b. *Abastor erythrogrammus* (Daud.). Red-striped Snake.

*Hab.* N. America.

a. Deposited, May 2, 1900.

370 a. *Psammophis schokari* (Forsk.). Schokari Sand-Snake.

*Hab.* Egypt.

a. Purchased, June 25, 1896.



## iv. BATRACHIANS.

14 a. *Rappia horstockii* (Schleg.). Yellow-legged Frog.  
*Hab.* S. Africa.

a. Presented by W. L. Sclater, Esq., F.Z.S., Dec. 1,  
 1900.

g-q. Deposited, Dec. 1, 1900.

38. *Hyla andersoni* Baird. Anderson's Tree-Frog.  
*Hab.* N. America.

a-d. Deposited, June 12, 1900,

74 a. *Spelerpes ruber* (Daud.). Red Newt.  
*Hab.* N. America.

a-f. Deposited, May 18, 1900.

## v. FISHES.

30 a. *Ophiocephalus striatus* Bl. Striated Snake-head  
 Fish.

*Hab.* India.

a. Deposited, Nov. 27, 1900.

62 a. *Amblyopsis spelæa*, Dekay. Kentucky Blind-fish.  
*Hab.* Kentucky.

a-f. Deposited, May 2, 1900.



c. *List of Animals bred in the Gardens during  
the year 1900.*

MAMMALS.

- 2 Crowned Lemurs (*Lemur coronatus*).
- 6 Common Wolves (*Canis lupus*).
- 2 Collared Fruit-Bats (*Cynonycteris coliaris*).
- 1 Burchell's Zebra (*Equus burchelli*).
- 1 English Wild Cow (*Bos taurus*).
- 1 Yak (*Poëphagus grunniens*).
- 1 Brindled Gnu (*Connochætes taurina*).
- 1 Bosch-bok (*Tragelaphus sylvaticus*).
- 3 Thars (*Hemitragus jemlaicus*).
- 4 Burrhel Wild Sheep (*Ovis burrhel*).
- 9 Barbary Wild Sheep (*Ovis tragelaphus*).
- 2 Altai Deer (*Cervus eustephanus*).
- 1 Wapiti Deer (*Cervus canadensis*).
- 4 Japanese Deer (*Cervus sika*).
- 3 Hog Deer (*Cervus porcinus*).
- 1 Axis Deer (*Cervus axis*).
- 1 Llama (*Lama peruana*).
- 1 Brush-tailed Kangaroo (*Petrogale penicillata*).
- 2 Squirrel-like Phalangers (*Petaurus sciureus*).

BIRDS.

- 1 Black-headed Bunting (*Emberiza melanocephala*).
- 2 Pied Mynahs (*Sturnopastor contra*).
- 9 Glossy Ibises (*Plegadis falcinellus*).
- 5 White Ibises (*Eudocimus albus*).
- 5 Rosy-billed Ducks (*Metopiana peposaca*).
- 1 Spotted Pigeon (*Columba maculosa*).
- 4 Vinaceous Turtle-Doves (*Turtur vinaceus*).
- 2 Dwarf Turtle-Doves (*Turtur humilis*).
- 3 Crested Pigeons (*Ocyphaps lophotes*).
- 5 Swinhoe's Pheasants (*Euplocamus swinhoii*).
- 2 Greater Black-backed Gulls (*Larus marinus*).
- 1 Herring-Gull (*Larus argentatus*).

REPTILES.

- 8 Mocassin Snakes (*Tropidonotus fasciatus*).



d. *List of Donors and their Donations for the year 1900.*

Her Highness the Maharani Regent of Mysore.  
Two Tigers.

- 
- Allen, R. S., Esq.  
One Barbary Ape.
- Althorp, A., Esq.  
One Vervet Monkey.
- Ambrose, Capt. W. G.  
One Chimpanzee.
- Anger, Henry, Esq., F.Z.S.  
Two White-headed Sea-Eagles.
- Armbruster, C. H., Esq.  
One Sykes's Monkey.
- Arnot, Capt. G. H.  
One Blue-and-Yellow Macaw, one Red-and-Yellow Macaw, three Pheasants, one Common Peafowl.
- Ash, Miss.  
One Common Snake, one Tessellated Snake, one Dark Green Snake, one Eyed Lizard.
- Ashburnham, The Lady.  
One Mozambique Monkey.
- Ashmore, G. P., Esq.  
One Ring-tailed Coati.
- Aston, Mrs.  
Two Auriculated Doves.
- Bagnell, Mrs. G. L.  
One Black-eared Marmoset.
- Bailey, Geo. J., Esq.  
Five Wild Cats.
- Baker, H. Clinton, Esq.  
One Greater Black-backed Gull.
- Baker, L. Ingham, Esq.  
One Spanish Blue Magpie, one Rose-coloured Pastor, one Nonpariel Finch, one Indigo-bird.
- Baker, W., Esq.  
One Greater Black-backed Gull.
- Ball, Miss A. N.  
One Rhesus Monkey.
- Barfoot, Mr. G.  
Two Greater Vasa Parrots.



- Barneby, W. T., Esq., F.Z.S.  
Two Mediterranean Peregrine Falcons, one Heron,  
one Cuvier's Gazelle.
- Bartlett, Miss.  
One Vulpine Phalanger.
- Bate, Capt.  
One Yellow-billed Sheath-bill.
- Bate, J. M. G., Esq.  
Four Ring-necked Parrakeets.
- Bazalgette, Mrs.  
One Alligator.
- Beale, C. G., Esq.  
One Pine Marten.
- Beauclerk, W. A., Esq.  
One Woodcock.
- Bedford, H.G. the Duke of, K.G., President.  
One Duke of Bedford's Deer.
- Bell, G. A. S., Esq., R.N.  
One Bonnet-Monkey.
- Berens, Randolph, Esq., F.Z.S.  
One Blue-and-Yellow Macaw.
- Bernstein, Leon, Esq.  
One Boddaert's Snake, one Chequered Elaps, one  
Rat-tailed Opossum.
- Berry, J. W., Esq.  
One Herring-Gull.
- Bingham, W. B., Esq., F.Z.S.  
Two Palm-Squirrels.
- Bishop, Miss K.  
One Macaque Monkey.
- Blackwood, Mrs. E. M.  
One Tawny Owl.
- Blades, Mrs. Harry.  
One Cockateel, two Grey-headed Love-birds.
- Boulenger, G. A., Esq., F.R.S., F.Z.S.  
Four Marbled Newts.
- Brackenbury, H. L., Esq., F.Z.S.  
One Horned Lizard.
- Brady, R. H., Esq.  
One African Civet Cat.
- Breadalbane, The Rt. Hon. the Marquis of, K.G., P.C.,  
F.Z.S.  
One Red Deer.



- Brett, Mrs.  
Two Spotted Salamanders.
- Bridgman, F. J., Esq.  
One Black-headed Terrapin, one Algerian Skink,  
one Common Chameleon.
- Brindley, W., Esq.  
One Small Hill-Mynah.
- Brinton, Capt. J. C.  
One Suricate.
- Brush, J. C., Esq.  
One Raven.
- Bryden, W. R., Esq.  
One Peregrine Falcon.
- Buchanan, Mr. Walter.  
Two Java Sparrows.
- Buck, Sir Edward Charles, K.C.S.I., C.M.Z.S.  
Four Spot-billed Ducks.
- Budgett, J. S., Esq., F.Z.S.  
Six Long-nosed Crocodiles.
- Bunsen, Madame de.  
One Tawny Owl.
- Burt, Miss F. E.  
One Quail.
- Bury, H. E., Esq.  
One Golden Eagle.
- Bushell, Dr. S. W., C.M.G., C.M.Z.S.  
Two Tcheli Monkeys.
- Cadogan, The Hon. Mrs. A.  
Two Edible Frogs.
- Campbell, D. F., Esq.  
Two Long-eared Owls.
- Campbell, Mrs. C.  
One Mona Monkey.
- Cannot, Capt. F. E., A.S.C.  
One Suricate.
- Cardew, Lady.  
One Spur-winged Goose.
- Carnegie, The Lord, F.Z.S.  
Two Wild Swine.
- Carrick & Fry, Messrs.  
One Lyre-bird.
- Carte, Rupert D'Oyly, Esq.  
One Nilotic Crocodile.



- Chapman, The Masters.  
One Barbary Mouse.
- Christopher, The Rev. A.  
One Hagenbeck's Mangabey.
- Churchill, W. S., Esq.  
One Humboldt's Lagothrix.
- Cleaver, W., Esq.  
One Diana Monkey.
- Coffey, Mr. H.  
One Black-eared Marmoset.
- Cohen, Mrs. Nigel.  
Two Common Marmosets.
- Colenso, Francis E., Esq.  
One African Python.
- Cooper, Alfred, Esq., F.Z.S.  
One Common Viper.
- Cordwell, S., Esq.  
One Senegal Parrot.
- Coussmaker, The Rev. J. O.  
One Silver Pheasant.
- Cox, Capt. P. Z., F.Z.S.  
Two Muscat Gazelles, one Indian Desert-Fox.
- Cox, Dr.  
One Rhesus Monkey.
- Crane, Mrs. Walter.  
One Vulpine Phalanger.
- De Lisle, H. A., Esq.  
One King Vulture.
- Dennis, Maurice F., Esq.  
One Puma.
- Dixon Bey.  
One Fennec Fox.
- Dyer, Dr.  
One Green Lizard.
- Eaton, The Rev. A. E.  
Three Shaw's Gerbilles, one Garamantic Gerbille.
- Elgy, W. J. R., Esq., F.Z.S.  
One Green Lizard.
- Fairbanks, G. R., Esq.  
One Common Boa.
- Fernan, G. H., Esq.  
Seven Algerian Skinks, one Spiny-tailed Mastigure.



- Ffinch, B. T., Esq., C.I.E., F.Z.S.  
Two Persian Gazelles, one Marica Gazelle, ten  
Chaplin Crows.
- Fillmer, H. R., Esq.  
One Violet-necked Lory.
- Flower, Capt. Stanley S., F.Z.S.  
Two Starred Lizards, one Common Lizard, four  
Natterjack Toads.
- Forbes, Dr. H. O., F.Z.S.  
One Hocheur Monkey, one Moustache Monkey, one  
Malbrouck Monkey, one Angolan Vulture, ten  
African Walking-fish.
- Forrest, T. Forsyth, Esq.  
One Macaque Monkey.
- Found, W. E., Esq.  
One Cinereous Vulture.
- Fowler, W. R., Esq.  
One Campbell's Monkey.
- Fox, Mr. C. F.  
Two Australian Rails.
- Franklin, Miss.  
Two Cunning Bassariscs.
- French, M. A., Esq.  
One Ocelot.
- Gaudie, Mrs. E. J.  
One Entellus Monkey.
- Gilbert, Mr. C. A.  
One Green Monkey.
- Gilder, Miss Freda.  
One Vulpine Phalanger.
- Gillett, W. A., Esq., F.Z.S.  
One Geoffroy's Cat, one Grey Ichneumon.
- Gillett, Mrs. W. A.  
Two Common Badgers, two Indian Fruit-Bats.
- Gillman, A. R., Esq., F.Z.S.  
One Bearded Tit.
- Glover, Miss M. C.  
One Common Marmoset.
- Goodwin, H. H., Esq.  
One Plantain Squirrel.
- Gower, Mrs. W. L.  
One Brown Capuchin.



- Grant, Mrs. Alexander.  
One Common Marmoset.
- Green, Mrs. Charles.  
Two Crimson-crowned Weaver-birds.
- Grey, Sister Heather.  
Two Greek Tortoises.
- Griffith, Mrs. Herbert.  
One Macaque Monkey.
- Gurney, Mrs. R.  
One Egyptian Jerboa.
- Gush, R. H., Esq.  
One Two-spotted Paradoxure.
- Hagenbeck, C., Esq.  
One Spiny-tailed Iguana.
- Haines, The Rev. F. W.  
Two Green Lizards, four Viperine Snakes, one  
Smooth Snake, two Marbled Newts.
- Hall, J. Farmer, Esq., F.Z.S.  
One Levillant's Amazon.
- Hall, Miss E. B.  
One Campbell's Monkey.
- Hall, Mrs. Creighton.  
One Patas Monkey.
- Harold, Mrs. L.  
One Lesser White-nosed Monkey.
- Harper, E. W., Esq., F.Z.S.  
One Indian Roller, one Bengal Weaver-bird, one  
Manyar Weaver-bird, four Black-throated Weaver-  
birds, two Western Yellow-winged Laughing-  
Thrushes, one Rufous-chinned Laughing-Thrush,  
one Slaty-headed Scimitar-Babbler, one Black-  
throated Ouzel, two Tickell's Ouzels, one Spotted-  
wing, four Ashy-crowned Finch-Larks, two Singing  
Bush-Larks, two Slaty-headed Parrakeets, one  
Burmese Slaty-headed Parrakeet, one Golden-eyed  
Fruit-Pigeon.
- Hausburg, Campbell B., Esq.  
Two Black Kites.
- Hawkings, S., Esq.  
One Yellow-cheeked Amazon.
- Heaton, Miss M. A.  
One Green Lizard.



- Heigham, Mrs.  
One Rhesus Monkey.
- Henderson, Mr. S. T.  
One Carrion-Crow.
- Heriz, Capt. R. Yorke, R.N.  
One Small Hill-Mynah.
- Hewens, E. E., Esq.  
One Common Paradoxure.
- Hobbs, H. G., Esq.  
Six Gold Pheasants, one Hybrid Gold Pheasant.
- Holden, Mrs. H. V.  
One Pinche Monkey.
- Holland, Miss Lucy.  
One Cuckoo.
- Hopkinson, G. St. Leger, Esq.  
One Raven.
- Hopton, Lieut.-Col.  
One Greater Sulphur-crested Cockatoo.
- Horrocks, Dr. Oswald.  
One Red-footed Ground-Squirrel.
- Horsley, The Rev. J. W.  
One Alpine Newt, nine Black Salamanders, two Slowworms.
- Hunter, W., Esq.  
One Wall Lizard, one Tessellated Snake, two Dark Green Snakes.
- Hutt, Lady.  
One Barn-Owl.
- Ingram, Col. R. B.  
One Wedge-tailed Eagle.
- Isaac, Percy L., Esq.  
One Squirrel-Monkey.
- Jalland, G. H., Esq.  
One Macaque Monkey.
- Jeffery, Mrs. A.  
One Plantain Squirrel, one Vulpine Phalanger.
- Jerome, Major J. W.  
One Derbian Zonure.
- Jessopp, A. L., Esq.  
One Peregrine Falcon.
- Joel, J. B., Esq.  
Two Yellow-whiskered Lemurs.



- Johnson, G. S., Esq.  
One Common Squirrel.
- Jones, D. J., Esq.  
One Ludio Monkey, one White-collared Mangabey.
- Kelly, Mr. Justice H. G.  
One Marabou Stork.
- Kirkland, J., Esq.  
One Laughing Kingfisher.
- Labarte, Mr. C. W.  
One Common Squirrel.
- Lacy, W. H., Esq.  
One White-fronted Capuchin.
- Lambert, Charles E., Esq.  
One Woodcock.
- Langton, W. J., Esq.  
One Mozambique Monkey.
- Larratt, F., Esq.  
Four Pheasants.
- Lay, W. T., Esq.  
Two Masked Paradoxures.
- Lazarus, Mrs. H.  
One Bonnet-Monkey.
- Leiper, Capt. D. J.  
One Indian Desert-Fox.
- Lilley, C. W., Esq., F.Z.S.  
One Common Boa, one Egyptian Eryx.
- Lindgren, T. W. B., Esq.  
Two Bonnet-Monkeys.
- Logan, James D., Jun., Esq.  
One Secretary Vulture.
- Long, Miss.  
One Angola Seed-Eater.
- Loop, H. A., Esq.  
One Rhesus Monkey.
- Macdonald, Master R.  
One Common Snake.
- Mackay, C., Esq.  
One Mozambique Monkey.
- Mackenzie, Lady.  
Two Common Marmosets.
- Mann, Douglas, Esq.  
One Jackal Buzzard.



- Marriott, G. Allan, Esq.  
One Common Viper.
- Marsden, A., Esq.  
Two Masai Ostriches, one Nilotic Crocodile.
- Marshal, F. W., Esq.  
One White-crested Tiger-Bittern.
- Masters, Cecil, Esq.  
One Patas Monkey.
- Matcham, J. E., Esq., C.M.Z.S.  
Two Vervet Monkeys, one Chacma Baboon, one Yellow-whiskered Lemur, one Serval, six Black-backed Jackals, one Grys-bok, one Common Duiker, one Caffre Bustard, two Yellow-billed Ducks, one Leopard Tortoise, thirty-two Spotted Slow-Skins, three Puff Adders, one Yellow Cobra, three Rough-keeled Snakes, five Rhomb-marked Snakes, three Smooth-bellied Snakes, three Crossed Snakes, one Lineated Snake, two Coppery Snakes, one Oldham's Snake.
- May, Mr.  
One Delalande's Gecko.
- McMicking, Major.  
One Sooty Mangabey.
- Meade-Waldo, E. G. B., Esq., F.Z.S.  
One Spanish Blue Magpie, one Great Bustard.
- Moon, Miss M.  
One Blue-faced Amazon.
- Morris, Mrs.  
One Diana Monkey, one Common Squirrel.
- Morrogh, Dr. A. MacCarthy, M.B., F.R.C.S.  
Two Bosch-boks.
- Myers, Dudley B., Esq.  
One Vervet Monkey.
- Nagle, D., Esq.  
One Bonnet-Monkey.
- Newton, J., Esq.  
One Common Tern.
- Norris, E. T., Esq.  
One Puffin.
- Old, A., Esq.  
Six Common Vipers.
- Packer, Mr. T.  
One Macaque Monkey.



- Pam, Capt. Albert, F.Z.S.  
 One Brazilian Tapir, two Snowy Egrets, six Ring-necked Lizards, three Surinam Lizards, two Tuberculated Iguanas, one Lacertine Crocodilurus, six Giant Toads.
- Parminter, J., Esq.  
 Two Triangular-spotted Pigeons.
- Petrocochino, Miss.  
 Two Yellow-bellied Liothrix.
- Phillipps, R., Esq.  
 Two Martinican Doves.
- Pink, Thos., Esq.  
 One Barbary Ape.
- Pitman, Charles E., Esq., F.Z.S.  
 Two Chukar Partridges.
- Pointer, R. G., Esq.  
 One Two-spotted Paradoxure.
- Poltalloch, Lady Malcolm of.  
 One Bonnet-Monkey.
- Power, Miss.  
 One Red-crested Cardinal.
- Poyer, Mrs. A. E.  
 One Macaque Monkey.
- Prentice, W. L., Esq.  
 Two Crested Pigeons.
- Prest-Hughes, Dr. A. E.  
 One Short-eared Owl.
- Preston, F. H., Esq.  
 One Common Boa.
- Preston, Lady.  
 One Egyptian Jerboa.
- Prichard, Lieut.-Col. G. M., I.S.C.  
 One Macaque Monkey.
- Purves, Miss J. C. S.  
 One Stairs's Monkey.
- Putz, Mr. A. F.  
 One Squacco Heron.
- Putz, Mrs. E.  
 One Chameleon.
- Radcliffe, Capt. Charles Delmé, C.M.Z.S.  
 One Lion.
- Rawcliffe, Miss M. C.  
 One Ring-tailed Lemur.



- Reaney, Mr. C. T.  
One Green Monkey.
- Reeve, Miss M. A.  
One Green Monkey.
- Returned Letter Office, The Controller of the.  
One Common Lizard.
- Rhodes, The Rt. Hon. Cecil J., P.C., D.C.L., F.Z.S.  
One Lioness.
- Riccardo, K., Esq.  
One Egyptian Jerboa.
- Robb, J. A., Esq.  
One Long-nosed Crocodile.
- Robinson, Capt. J. C.  
One Allen's Porphyrio.
- Robinson, Miss.  
One Eyed Lizard.
- Rodrigues, J. C., Esq.  
One Jaguar.
- Rotheram, Capt. W. H., R.E.  
One Grey Ichneumon.
- Rustafjaell, R. de, Esq., F.Z.S.  
One Syrian Bear.
- Sahlin, Mr. A.  
One Blackbird.
- St. Quintin, W. H., Esq., F.Z.S.  
One Indian Dial-bird, two Dusky Ducks, one  
Common Snake, two Mocassin Snakes, one Vivacious  
Snake.
- Sassoon, Mrs.  
One Macaque Monkey.
- Sclater, W. L., Esq., F.Z.S.  
One Spotted Slow-Skink, six Yellow-legged Frogs.
- Seymour, Miss.  
One Rufous-necked Wallaby.
- Sbarpe, Dr. R. Bowdler, F.Z.S.  
Three Jays.
- Simonds, Tom, Esq.  
Two Chilian Sea-Eagles, one African Buzzard, two  
American Kestrels, two Lesser Kestrels, one Black  
Kite, three Goshawks.
- Simpson, Mrs. F. L. G.  
Two Leopards.
- Slade, Cecil, Esq., F.Z.S.  
One Common Squirrel.



- Small, Mr.  
One Common Chameleon.
- Small, T. H., Esq.  
One Peregrine Falcon.
- Smith, D. Seth, Esq., F.Z.S.  
One Chinese Quail, two Asiatic Quails, two Sparrow-Hawks.
- Smith, George, Esq.  
One Larger Hill-Mynah.
- Smith, Mr. A. J.  
One Bonnet-Monkey.
- Souter, Major Thomas.  
One Lioness.
- Sparrow, L. J., Esq.  
One Green Monkey, one Black-cheeked Monkey.
- Spiers, W. B., Esq.  
One Common Fox.
- Stallard, H. G. F., Esq.  
One Grivet Monkey.
- Stewart, Mr. B.  
One Sooty Mangabey, one Royal Python.
- Stoughton, Mrs.  
One Rose-hill Parrakeet.
- Strachan, H., Esq.  
One Ground-Hornbill, one Bell's Cinixys.
- Stride, H. W., Esq.  
One Blue-and-Yellow Macaw.
- Sullivan, Lieut.  
One Vervet Monkey.
- Sutherland, P. W., Surgeon-Gen., F.Z.S.  
Two Common Bluebirds.
- Sykes, T., Esq.  
One Raven.
- Tait, W. C., Esq., C.M.Z.S.  
One Common Genet.
- Temple, W. R., Esq.  
One Four-lined Snake.
- Thompson, Dr. S. W.  
One Diana Monkey.
- Thornhill, J. B., Esq.  
Nine Natterjack Toads.
- Thornton, P. M., Esq.  
One Bonnet-Monkey.



- Torrens, G. P., Esq., F.Z.S.  
Four Black-bellied Sand-Grouse.
- Turner, J. Turner, Esq.  
One Alligator.
- Tyars, Miss.  
Five Barred Doves.
- Vernon, Mrs.  
One White-throated Capuchin.
- Waite, Miss Gwendoline.  
One Porose Crocodile.
- Walker, A. Barclay, Esq.  
One Snowy Owl.
- Walker, J. F., Esq., F.Z.S.  
Seven Verreaux's Guinea-Fowls.
- Wallace, F., Esq.  
One Smooth-headed Capuchin.
- Wallace, Miss.  
One Allen's Porphyrio.
- Way, H., Esq.  
Two Dwarf Chameleons.
- Weatherall, Major H. B.  
One Nilotic Crocodile.
- Weippert, Miss F. M.  
One European Pond-Tortoise.
- Wiglesworth, L. W., Esq.  
One Cuckoo.
- Wilberforce, Canon.  
One Robin.
- Willes, F., Esq.  
One Silky Cow-bird.
- Williams, Dr. J. L.  
One Common Squirrel.
- Williams, E. A., Esq.  
One Indian Crow.
- Williamson, J. B., Esq.  
One Missel-Thrush.
- Wintle, W. J., Esq., F.Z.S.  
One Leopardine Snake, one Tessellated Snake.
- Woods, Mrs.  
One Rhesus Monkey.
- Wormald, Edward, Esq., F.Z.S.  
One Black Rat.
- Wright, R. Barton, Esq.  
One Serval.



- Yates, A., Esq.  
 One Germain's Peacock Pheasant, one Rook.
- Yates, J. H., Esq.  
 One Little Egret.
- Yendell, Capt. T.  
 One Osprey.
- Yorke, A. Dudley, Esq.  
 One Large Red Flying-Squirrel.
- Young, Mrs. C.  
 One Ludio Monkey, one Brown Capuchin.

*Conclusion.*

In concluding the Report, the Council believe that they may safely congratulate the Society that, in spite of adverse circumstances in public affairs, the Society has well maintained the position to which it had arrived at the last Anniversary. The income received in 1900 was but slightly less than that of 1899, and the number of Fellows shows a small increase. The works relating to the water-supply have been carried to a successful conclusion, and one of the most important buildings in the Gardens (the Lion-house) has been put into thorough structural repair. The deposit account of £2000 has not been drawn upon and remains available for new buildings or other special purposes whenever it may be required.

The Council cannot fail 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 also to ask you to thank those Fellows of the Society who, during the past year, have audited the Accounts and have served on the Committee of Finance.

Signed (for the Council),

P. L. SCLATER,  
*Secretary.*

3 Hanover Square, W., April 29th, 1901.



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

Appointed January 16, 1901.

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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, 1900, 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 1900.

|                                              |                                            | £ s. d.                                 |         | £ s. d.      |  |
|----------------------------------------------|--------------------------------------------|-----------------------------------------|---------|--------------|--|
| Balance brought from December 31, 1899 ..... |                                            |                                         |         | 1,043 16 1   |  |
| <b>INCOME.</b>                               |                                            |                                         |         |              |  |
|                                              |                                            | £ s. d.                                 |         | £ s. d.      |  |
| 1898                                         | Subscriptions .....                        |                                         |         | 3 0 0        |  |
| 1899                                         | { Garden Sales .....                       | 46 0 3                                  |         | 605 10 4     |  |
|                                              | { Rent for Refreshment-Rooms .....         | 250 0 0                                 |         |              |  |
|                                              | { Rent for Offices at Hanover Square ..... | 41 18 0                                 |         |              |  |
|                                              | { Admission Fees .....                     | 130 0 0                                 |         |              |  |
| 1900                                         | { Subscriptions .....                      | 36 0 0                                  |         | 28,036 10 11 |  |
|                                              | { Publication Sales .....                  | 101 12 1                                |         |              |  |
|                                              | { Admissions to Gardens .....              | 17,127 6 0                              |         |              |  |
|                                              | { Riding Receipts .....                    | 624 13 11                               |         |              |  |
|                                              | { Garden Sales .....                       | 181 17 0                                |         |              |  |
|                                              | { Rent for Refreshment-Rooms .....         | 750 0 0                                 |         |              |  |
|                                              | { Rent for Offices at Hanover Square ..... | 144 5 0                                 |         |              |  |
|                                              | { Admission Fees .....                     | 640 5 0                                 |         |              |  |
|                                              | { Compositions .....                       | 870 0 0                                 |         |              |  |
|                                              | { Subscriptions .....                      | 6,225 3 0                               |         |              |  |
|                                              | { Publication Subscriptions .....          | 460 19 0                                |         |              |  |
|                                              | { Publication Sales .....                  | 406 16 6                                |         |              |  |
|                                              | 1901                                       | { Zoological Record Subscriptions ..... | 206 0 0 |              |  |
| { Zoological Record Sales .....              |                                            | 125 2 0                                 |         |              |  |
| { Dividends (Davis Fund) .....               |                                            | 73 3 0                                  |         |              |  |
| { Interest on Deposit Account .....          |                                            | 58 5 8                                  |         |              |  |
| { Miscellaneous .....                        |                                            | 142 14 10                               |         |              |  |
| INCOME RECEIVED IN 1900 .....                |                                            | 28,772 11 3                             |         | 28,772 11 3  |  |
|                                              |                                            |                                         |         | 29,816 7 4   |  |

## PAYMENTS IN 1900.

|                                                      |         | £ s. d.     |  | £ s. d.    |  |
|------------------------------------------------------|---------|-------------|--|------------|--|
| <b>EXPENDITURE.</b>                                  |         |             |  |            |  |
|                                                      |         | £ s. d.     |  | £ s. d.    |  |
| Rent, Rates, Taxes, and Insurance .....              | Gardens | 1,549 7 10  |  |            |  |
| Ditto ditto .....                                    | Office  | 279 3 0     |  |            |  |
| Salaries and Pensions .....                          | Gardens | 3,537 1 8   |  |            |  |
| Ditto ditto .....                                    | Office  | 2,084 0 0   |  |            |  |
| Provisions .....                                     |         | 4,099 1 2   |  |            |  |
| Cost and Carriage of Animals .....                   |         | 874 7 9     |  |            |  |
| Menagerie Expenses .....                             |         | 3,397 19 8  |  |            |  |
| Keepers' Dresses .....                               |         | 161 7 0     |  |            |  |
| Works and Materials .....                            | Gardens | 5,192 7 8   |  |            |  |
| Ditto .....                                          | Office  | 311 0 9     |  |            |  |
| Garden Expenses .....                                |         | 958 11 8    |  |            |  |
| Advertisements .....                                 |         | 404 11 6    |  |            |  |
| Band Expenses .....                                  |         | 163 15 3    |  |            |  |
| House and Office Expenses .....                      | Gardens | 459 12 10   |  |            |  |
| Ditto ditto .....                                    | Office  | 700 5 0     |  |            |  |
| Stationery and Printing (Miscellaneous) .....        |         | 382 11 7    |  |            |  |
| Cost of Publications .....                           |         | 2,233 17 0  |  |            |  |
| Cost of 'Zoological Record' .....                    |         | 613 7 2     |  |            |  |
| Library Expenses .....                               |         | 510 12 3    |  |            |  |
| Returned Subscriptions .....                         |         | 17 2 0      |  |            |  |
| Editorship of 'Zoological Record' (Davis Fund) ..... |         | 73 3 0      |  |            |  |
| Zoological Lectures .....                            |         | 63 10 2     |  |            |  |
| Grants in aid of Science .....                       |         | 350 0 0     |  |            |  |
| Cost of Medal .....                                  |         | 5 15 6      |  |            |  |
| Law Expenses .....                                   |         | 66 6 0      |  |            |  |
| EXPENDITURE PAID IN 1900 .....                       |         | 28,488 17 5 |  |            |  |
| Cash at the Banker's, December 31, 1900:—            |         |             |  |            |  |
| General Account .....                                |         | £851 12 7   |  | 1,327 9 11 |  |
| Petty Cash Account .....                             |         | 475 17 4    |  |            |  |
| INCOME RECEIVED IN 1900 .....                        |         | 28,772 11 3 |  | 29,816 7 4 |  |



*Comparison of Receipts in 1900 with 1899.*

| <i>Receipts.</i>                                                                                                                                |                |                |                |                |
|-------------------------------------------------------------------------------------------------------------------------------------------------|----------------|----------------|----------------|----------------|
|                                                                                                                                                 | Income of      |                | Increase.      | Decrease.      |
|                                                                                                                                                 | 1900.          | 1899.          |                |                |
|                                                                                                                                                 | <i>£ s. d.</i> | <i>£ s. d.</i> | <i>£ s. d.</i> | <i>£ s. d.</i> |
| Admissions to Gardens..                                                                                                                         | 17,127 6 0     | 16,888 18 6    | 238 7 6        | .....          |
| Riding Receipts.....                                                                                                                            | 624 13 11      | 701 12 4       | .....          | 76 18 5        |
| Garden Sales.....                                                                                                                               | 227 17 3       | 391 6 2        | .....          | 163 8 11       |
| Rent for Refreshment-<br>Rooms.....                                                                                                             | 1,000 0 0      | 1,000 0 0      | .....          | .....          |
| Rent for Offices at<br>Hanover Square.....                                                                                                      | 179 3 0        | 223 17 0       | .....          | 44 14 0        |
| Admission Fees:—                                                                                                                                |                |                |                |                |
| Past.....                                                                                                                                       | 130 0 0        | 95 0 0         | 35 0 0         | .....          |
| Present.....                                                                                                                                    | 640 5 0        | 815 0 0        | .....          | 174 15 0       |
| Annual Subscriptions:—                                                                                                                          |                |                |                |                |
| Past.....                                                                                                                                       | 39 0 0         | 18 0 0         | 21 0 0         | .....          |
| Present.....                                                                                                                                    | 6,225 3 0      | 6,080 6 0      | 144 17 0       | .....          |
| Future.....                                                                                                                                     | 117 0 0        | 90 0 0         | 27 0 0         | .....          |
| Compositions.....                                                                                                                               | 870 0 0        | 1,200 0 0      | .....          | 330 0 0        |
| Publications.....                                                                                                                               | 979 17 7       | 729 0 8        | 250 16 11      | .....          |
| Zoological Record....                                                                                                                           | 331 2 0        | 365 6 2        | .....          | 34 4 2         |
| Dividends and Interest..                                                                                                                        | 131 8 8        | 126 16 4       | 4 12 4         | .....          |
| Miscellaneous.....                                                                                                                              | 149 14 10      | 154 15 9       | .....          | 5 0 11         |
|                                                                                                                                                 | 28,772 11 3    | 28,879 18 11   | 721 13 9       | 829 1 5        |
| Decrease ....                                                                                                                                   | 107 7 8        | .....          | Ded. Incr.     | 721 13 9       |
|                                                                                                                                                 | 28,879 18 11   | 28,879 18 11   | .....          | 107 7 8        |
| Total Receipts in 1900 ..... <i>£</i> 28,772 11 3<br>Total Payments in 1900..... 28,488 17 5<br>Receipts over Payments ..... <i>£</i> 283 13 10 |                |                |                |                |
| <i>Dr. Cash</i>                                                                                                                                 |                |                |                |                |
|                                                                                                                                                 |                |                |                | <i>£ s. d.</i> |
| To Balance brought from December 31, 1899 .....                                                                                                 |                |                |                | 1,043 16 1     |
| To Income received in 1900 .....                                                                                                                |                |                |                | 28,772 11 3    |
|                                                                                                                                                 |                |                |                | 29,816 7 4     |



*Comparison of Payments in 1900 with 1899.*

| <i>Payments.</i>                           |                |              |            |           |             |            |
|--------------------------------------------|----------------|--------------|------------|-----------|-------------|------------|
|                                            | Expenditure of |              | Increase.  | Decrease. |             |            |
|                                            | 1900.          | 1899.        |            |           |             |            |
|                                            | £ s. d.        | £ s. d.      |            |           | £ s. d.     | £ s. d.    |
| Rent, Rates, Taxes, &c. ....               | 1,828 10 10    | 1,533 10 8   | 295 0 2    |           |             |            |
| Salaries and Pensions .....                | 5,621 1 8      | 5,553 10 0   | 67 11 8    |           |             |            |
| Provisions .....                           | 4,099 1 2      | 4,228 13 8   |            |           | 129 12 6    |            |
| Cost and Carriage of Animals               | 874 7 9        | 2,524 11 5   |            |           | 1,650 3 8   |            |
| Menagerie Expenses.....                    | 3,559 6 8      | 3,591 1 9    |            |           | 31 15 1     |            |
| Works, Materials, &c.....                  | 5,503 8 5      | 4,682 17 7   | 820 10 10  |           |             |            |
| Buildings.....                             |                | 1,095 0 8    |            |           | 1,095 0 8   |            |
| Garden Expenses .....                      | 958 11 8       | 960 4 0      |            |           | 1 12 4      |            |
| Advertisements .....                       | 404 11 6       | 372 17 7     | 31 13 11   |           |             |            |
| Band Expenses .....                        | 163 15 3       | 164 6 6      |            |           | 11 3        |            |
| House and Office Expenses..                | 1,159 17 10    | 1,139 5 6    | 20 12 4    |           |             |            |
| Stationery and Printing ....               | 382 11 7       | 411 18 3     |            |           | 29 6 8      |            |
| Cost of Publications .....                 | 2,233 17 0     | 1,816 10 7   | 417 6 5    |           |             |            |
| Cost of 'Zoological Record'..              | 613 7 2        | 614 18 0     |            |           | 1 10 10     |            |
| Library Expenses .....                     | 510 12 3       | 475 14 10    | 34 17 5    |           |             |            |
| Editorship of 'Zoological<br>Record' ..... | 73 3 0         | 73 9 4       |            |           | 6 4         |            |
| Zoological Lectures .....                  | 63 10 2        | 54 18 0      | 8 12 2     |           |             |            |
| Grants in aid of Science ....              | 350 0 0        | 100 0 0      | 250 0 0    |           |             |            |
| Miscellaneous.....                         | 89 3 6         | 27 11 0      | 61 12 6    |           |             |            |
|                                            | 28,488 17 5    | 29,420 19 4  | 2,007 17 5 |           | 2,939 19 4  |            |
| Decrease ..                                | 932 1 11       | .....        | Ded. Incr. |           | 2,007 17 5  |            |
|                                            | 29,420 19 4    | 29,420 19 4  |            |           | 932 1 11    |            |
| Ordinary Payments .....                    | 26,338 0 8     | 26,883 15 11 |            |           | 545 15 3    |            |
| Extraordinary ditto .....                  | 2,150 16 9     | 2,537 3 5    |            |           | 386 6 8     |            |
|                                            | 28,488 17 5    | 29,420 19 4  |            |           | 932 1 11    |            |
| <i>Contra</i>                              |                |              |            |           |             | <i>Cr.</i> |
|                                            |                |              |            |           | £ s. d.     |            |
| By Expenditure paid in the year.....       |                |              |            |           | 28,488 17 5 |            |
| By Balance carried forward to 1901 .....   |                |              |            |           | 1,327 9 11  |            |
|                                            |                |              |            |           | 29,816 7 4  |            |



*Assets and Liabilities of the Society, December 31, 1900.*

## ASSETS.

|                                                                                                                                | £      | s.      | d.   |
|--------------------------------------------------------------------------------------------------------------------------------|--------|---------|------|
| Animals in the Menagerie at Regent's Park, say .....                                                                           | 20,283 | 0       | 0    |
| Books in the Library at Hanover Square .....                                                                                   | 18,484 | 0       | 0    |
| Unsold Publications .....                                                                                                      | 1,792  | 5       | 0    |
| Stock of the Zoological Record .....                                                                                           | 1,084  | 10      | 0    |
| Freehold Premises at Hanover Square .....                                                                                      | 25,000 | 0       | 0    |
| Present Value of £1,900 London and South-Western Railway<br>New 4 per cent. Preference Stock @ 133 (Davis Trust<br>Fund) ..... | 2,527  | 0       | 0    |
| On Deposit at Messrs. Drummond .....                                                                                           | 2,000  | 0       | 0    |
| Cash at the Bankers (Messrs. Drummond) .....                                                                                   | 1,327  | 9       | 11   |
| Debts due to the Society, considered good:—                                                                                    | £      | s.      | d.   |
| Rent for Refreshment-Rooms .....                                                                                               | 250    | 0       | 0    |
| Rent for Offices at Hanover Square .....                                                                                       | 38     | 15      | 0    |
| Garden Sales .....                                                                                                             | 80     | 3       | 9    |
| Publication Sales .....                                                                                                        | 106    | 9       | 6    |
| Fellowship Subscriptions .....                                                                                                 | 55     | 0       | 0    |
|                                                                                                                                |        | 530     | 8 3  |
|                                                                                                                                |        | £73,028 | 13 2 |

## LIABILITIES.

|                                                  | £      | s. | d. |
|--------------------------------------------------|--------|----|----|
| Rent and Taxes unpaid .....                      | 271    | 7  | 8  |
| Bills, &c., say .....                            | 1,522  | 14 | 7  |
| Westwood & Wright's New Reservoir, Balance ..... | 39     | 5  | 0  |
|                                                  | £1,833 | 7  | 3  |



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

F. JEFFREY BELL.

WALTER CROUCH.

FREDERICK GILLETT.

J. GRAHAM KERR.

W. G. RIDWOOD.

HENRY H. SLATER.

ARTHUR SMITH WOODWARD.

*Committee of Auditors.*

ZOOLOGICAL SOCIETY OF LONDON,  
3 *Hanover Square, W.*

*February 28th, 1901.*