

REPORT  
OF THE  
COUNCIL  
OF THE  
ZOOLOGICAL SOCIETY  
OF LONDON,  
FOR THE YEAR 1882.

READ AT THE ANNUAL GENERAL MEETING,

APRIL 30<sup>TH</sup>, 1883.

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1883.

## CONTENTS.

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	Page
I. General Condition of the Society .....	3
1. State of the Roll of Members .....	3
<i>a.</i> Fellows .....	3
<i>b.</i> Corresponding Members .....	4
2. State of the Finances.....	4
<i>a.</i> Income .....	4
<i>b.</i> Expenditure .....	5
<i>c.</i> Assets and Liabilities .....	7
II. Office, Hanover Square .....	8
1. Oxford Street Premises.....	8
2. Scientific Meetings .....	9
3. Scientific Publications .....	9
4. Library .....	10
III. Gardens, Regent's Park.....	23
1. Buildings and Works.....	23
<i>a.</i> New Reptile-house.....	23
<i>b.</i> Other special Works .....	24
<i>c.</i> Repairs and General Maintenance.....	25
2. Staff .....	25
3. Visitors .....	26
4. New Regulations as to Riding on the Elephants and Camels.....	27
5. Zoological Lectures .....	28
6. Menagerie .....	29
<i>a.</i> Sale of the male African Elephant .....	29
<i>b.</i> Additions to the Menagerie in 1882.....	29
<i>c.</i> List of Species new to the Collection exhibited during the year 1882.....	33
<i>d.</i> List of Animals bred in the Gardens during the year 1882 .....	35
<i>e.</i> List of Donors and Donations .....	37
Conclusion .....	50

# REPORT OF THE COUNCIL.

April 30, 1883.

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THE Council have the pleasure of submitting to the Fellows their fifty-fourth Annual Report upon the progress of the Society.

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

## I. GENERAL CONDITION OF THE SOCIETY.

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

#### a. *Fellows.*

The number of Fellows and Fellows Elect at the close of the year 1882 was 3213, the same as at the corresponding period in 1881. Of these there were:—

Compounders who have paid £20 . . . .	41
Ditto ditto £30 . . . .	870
Compositions remitted . . . . .	17
Paying annual contributions of £2 . . . .	45
Ditto ditto £3 . . . .	2089
Dormant . . . . .	128
Admission-fees unpaid . . . . .	23
	<hr/>
	3213

The state of the Society during the past Ten years, as regards the number of its Ordinary Members, is given in the subjoined Table.

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

Years.	Elected or Re-admitted.	Died.			Resigned.			Removed.			Ceased to be Fellows.	Number of Fellows, December 31.		
		Compounders.		Subscribers.	Subscribers.		Admission Fees Unpaid.	Subscribers.		Admission Fees Unpaid.				
		£20.	£30.	Fee-re-mitted	£2.	£3.		£2.	£3.				£2.	£3.
1873.	216	5	7	...	6	38	...	34	...	...	2	1	93	3173
1874.	221	7	6	1	8	60	...	33	...	...	74	8	197	3197
1875.	180	8	16	...	8	57	...	36	...	...	...	11	136	3241
1876.	224	9	28	...	4	63	...	49	1	...	...	...	154	3311
1877.	228	3	23	...	9	63	...	20	...	...	58	6	182	3358
1878.	176	6	12	...	5	52	1	40	1	...	...	1	118	3416
1879.	145	9	17	...	7	46	...	54	...	...	50	6	189	3364
1880.	153	4	18	1	4	65	...	74	...	...	38	4	208	3309
1881.	138	24	31	...	5	78	...	65	3	1	27	...	234	3213
1882.	164	3	23	1	4	61	...	48	...	...	11	13	164	3213

*b. Corresponding Members.*

The following six Corresponding Members were elected in 1882:—

Dr. Edward Brandt, of the Zoological Museum, St. Petersburg.

C. A. Craven, Esq., of Pernambuco, Brazil.

Alfred Everett, Esq., of Papar, Borneo.

Professor Rüttimeyer, of Basle, Switzerland.

Dr. Staudinger, of Blasewitz, near Dresden.

M. Léon Vaillant, of the Jardin des Plantes, Paris.

2. STATE OF THE FINANCES.

*a. Income.*

The Income of the Society for the past year was swollen by unexpected circumstances, which will be spoken of in a subsequent part of the Report, and attained the large total of £34,270 17s. 8d. Only once before during the existence of the Society has the amount of receipts been so large, namely in 1876, when the income was £34,955 4s. 1d.

The subjoined Table contains a comparison of the various heads of income in 1881 and 1882:—

*Comparison of Receipts in 1881 and 1882.*

	Income of						Increase.	Decrease.	
	1881.			1882.					
	£	s.	d.	£	s.	d.	£	s.	d.
Admissions to Gardens .....	15,113	17	6	20,691	10	0	5,577	12	6
Rent for Refreshment-rooms ...	1,084	6	8	1,307	3	4	222	16	8
Rent for Premises in Oxford Street.....	300	0	0	300	0	0			
Garden Sales.....	462	13	3	2,280	10	0	1,817	16	9
Admission Fees:—									
Past .....	90	0	0	100	0	0	10	0	0
Present .....	510	0	0	620	0	0	110	0	0
Annual Subscriptions:—									
Past .....	93	0	0	57	0	0		36	0
Present .....	6,328	13	0	6,296	17	0		31	16
Future .....	114	0	0	108	0	0		6	0
Compositions .....	600	0	0	1,170	0	0	570	0	0
Ivory Tickets .....	38	7	0	37	6	0		1	1
Publications .....	981	11	4	788	4	5		193	6
Dividends .....	74	3	7	145	8	8	71	5	1
Elephant-riding receipts .....				305	10	9	305	10	9
Miscellaneous .....	20	2	6	63	7	6	43	5	0
	25,810	14	10	34,270	17	8	8,728	6	9
							268	3	11

It will be observed that the total increase of Income of 1882 over 1881 amounted (after deducting the decrease under certain small heads of £268 3s. 11d.) to £8460 2s. 10d.

Adding to the Income of 1882 the balance (£1203 3s. 4d.) carried forward from 1881, we find the total amount of £35,474 1s. available for the expenditure of the year 1882.

*b. Expenditure.*

This amount was disposed of in the following manner:— The sum of £26,109 9s. was required for the ordinary expenditure of the year. The extraordinary expenditure during the same period amounted to £3266 17s. Two sums of £201 13s. 4d. and £1004 3s. 4d. were devoted to paying off two short loans borrowed from the Society's Bankers in November and December 1881, and the interest thereof. The sum of £1000 was paid to Messrs. Drummond on account of their mortgage on the Society's House and Premises. This left a balance at the Society's Bankers of £1391 18s. 4d. and a balance on the Deposit Account at the London and County Bank of £2500, which were carried forward for the benefit of the present year.

This result is shortly set forth in the subjoined Table.

Receipts, 1882.			Expenditure, 1882.		
	£	s. d.		£	s. d.
By Balance brought from December 31, 1881 .....	1,203	3 4	By Expenditure paid in the Year ...	29,376	6 0
By Income received in the Year.....	34,270	17 8	By Repayment of Loans .....	1,205	16 8
			By Repayment of Mortgage-debt ...	1,000	0 0
			Balance left on Deposit Account at London and County Bank .....	2,500	0 0
			Balance left at the Bankers', December 31, 1882.....	1,391	18 4
	35,474	1 0		35,474	1 0

The subjoined Table gives the various items of expenditure of 1882, and a comparison of each of them with the corresponding amount paid in 1881:—

	Expenditure of		Increase.	Decrease.		
	1881.	1882.				
	£	s. d.	£	s. d.		
Arrears of previous years .....	2,153	6 7	1,749	4 2	404	2 5
Rent, Rates, Taxes, and Insurance .....	900	5 0	1,110	13 8	210	8 8
Salaries, Wages, and Pensions...	5,262	8 10	5,442	1 5	179	12 7
Provisions .....	4,627	14 5	4,638	7 6	10	13 1
Cost and Carriage of Animals ...	867	5 6	2,299	11 8	1,432	6 2
Menagerie Expenses .....	3,193	10 0	3,138	15 1		54 14 11
Keepers' Dresses .....	154	12 0	191	9 11	36	17 11
Works, Materials, &c. ....	2,967	12 4	2,907	18 7		59 13 9
Buildings .....			2,665	2 0	2,665	2 0
Garden Expenses.....	886	6 10	807	4 10		79 2 0
Advertisements.....	200	11 5	219	8 7	18	17 2
Band Expenses .....	221	8 0	239	17 0	18	9 0
House and Office Expenses .....	611	17 7	643	11 3	31	13 8
Stationery and Account Books...	64	11 11	65	7 3	0	15 4
Printing (Miscellaneous) .....	370	11 6	394	18 2	24	6 8
Cost of Publications .....	2,355	14 10	2,122	9 1		233 5 9
Library Expenses.....	422	9 2	370	12 3		51 16 11
Returned Subscriptions .....	23	7 0	29	5 0	2	18 0
Cost of Medals .....			4	18 6	4	18 6
Law Expenses .....			30	10 1	30	10 1
Grant in aid of Science .....	50	0 0				50 0 0
Expenditure of Davis Bequest ...	76	18 0	70	15 0		6 3 0
Interest on Mortgage Debt .....	273	14 9	234	5 0		39 9 9
	25,687	5 8	29,376	6 0	4,667	8 10
Increase .....	3,689	0 4			978	8 6
	29,376	6 0	29,376	6 0	3,689	0 4
Ordinary Payments.....	24,651	4 3	26,109	9 0	1,458	4 9
Extraordinary ditto.....	1,036	1 5	3,266	17 0	2,230	15 7
	25,687	5 8	29,376	6 0	3,689	0 4

The extraordinary expenditure of 1882 consisted of the following items, which will be fully explained in subsequent passages of the Report:—

*Extraordinary Expenditure paid in 1882.*

<i>Works.</i>	£	s.	d.	£	s.	d.
1. Additional rooms to Prosector's Office (balance) .....	31	1	7			
2. Reserve Cattle-sheds.....	216	5	0			
3. Glass roof to Kangaroo-sheds ..	115	17	1			
4. New Hot-water apparatus in Monkey-house .....	31	9	1			
	<hr/>			394	12	9
 <i>New Buildings.</i>						
New Reptile-house .....				2665	2	0
 <i>Publications.</i>						
Index to 'Proceedings,' 1871-1880.....				207	2	3
				<hr/>		
				3266	17	0
				<hr/> <hr/>		

*c. Assets and Liabilities.*

The Assets and Liabilities of the Society on December 31, 1882, were estimated as follows:—

## ASSETS.

	£	s.	d.
Animals in the Menagerie in the Regent's Park .....	21,629	5	0
Books in the Library at Hanover Square .....	15,000	0	0
Unsold Publications .....	10,900	0	0
Freehold Premises .....	25,000	0	0
Cost of £1,900 London and South-Western Railway New 4 per cent. Preference Stock (Davis' Trust Fund) .....	1,938	9	6
Deposit Account, London and County Bank.....	2,500	0	0
Cash at the Bankers (Messrs. Drummonds) .....	1,391	18	4
Arrears considered good:—	£	s.	d.
Annual Subscriptions .....	105	0	0
Ivory Tickets.....	3	3	0
Publication Sales .....	135	6	3
Garden Sales .....	113	13	4
Rent for Refreshment Rooms.....	128	10	0
Rent for Freehold Premises .....	75	0	0
	<hr/>		
	560	12	7
	<hr/>		
	£78,920	5	5
	<hr/> <hr/>		

## LIABILITIES.

	£	s.	d.	£	s.	d.
Rent and Taxes unpaid:—						
For the Gardens, say .....	235	13	11			
„ Office, say .....	27	0	7			
	<hr/>			262	14	6
Bills, &c., estimated at:—						
For the Gardens, say .....	962	5	6			
„ Office, say .....	209	12	7			
	<hr/>			1,171	18	1
Messrs. Drummonds, Mortgage Debt .....				5,000	0	0
Balance of Contract on Reptile-house .....				2,180	0	0
Hot-water Apparatus for ditto .....				242	0	0
	<hr/>			£8,856	12	7
	<hr/>					

As regards the Assets it will be observed that credit is given under several heads which have not been inserted in previous statements of this kind.

The valuation of the animals in the Menagerie has been made by the Superintendent, who has had great experience in such matters, and is believed to represent, as nearly as possible under the circumstances, the amount they would be likely to fetch in case of realization.

That of the books (£15,000) has been made by the Librarian, and is calculated to be the sum the Library would produce if sold by auction.

As regards the Society's Publications remaining in stock, those issued prior to 1860 have been valued at half their published prices, those issued subsequently at the reduced prices at which they are sold to Fellows of the Society.

## II. OFFICE, 11 HANOVER SQUARE.

### 1. OXFORD-STREET PREMISES.

Messrs. Purdey's lease of the Oxford-Street premises having been prolonged by special agreement from Michaelmas 1882 until the 1st of February of the present year fell in on that date, and possession of them was received by the Society.

The Council have appointed a special sub-committee to consider how these premises may be most conveniently utilized for the Society's interests.

## 2. SCIENTIFIC MEETINGS.

To the fifteen meetings for the despatch of scientific business held in the Society's Rooms in Hanover Square in 1882, 138 communications were made. Of these, 106 were from Fellows, and 7 from Corresponding Members of the Society. The remaining 25 papers were from individuals not belonging to the Society, and were communicated to it by the Secretary or by other Members. The corresponding number of communications in the year 1881 was 121.

These communications were submitted to the Committee of Publication, by whom the following orders were made respecting them: 3 were ordered to be printed entire in the 'Transactions' of the Society, and 100 in the 'Proceedings,' such illustrations being in each case allowed as the Committee considered necessary for the purpose. Of the remaining communications, abstracts or extracts were considered to be sufficient for publication.

## 3. SCIENTIFIC PUBLICATIONS.

The volume of 'Proceedings' for 1882 is on the table. It contains 827 pages illustrated by 61 plates. In the following table are given the number of pages and plates of the volumes of 'Proceedings' for the past ten years:—

	plates.	pages.
1873 . . . . .	69	842
1874 . . . . .	84	728
1875 . . . . .	72	726
1876 . . . . .	82	864
1877 . . . . .	85	893
1878 . . . . .	62	1056
1879 . . . . .	64	868
1880 . . . . .	64	743
1881 . . . . .	72	1056
1882 . . . . .	61	827

Two Parts of the Society's 'Transactions' were issued during the year 1882, namely:—

VOL. XI. PART VI. (January, 1882).

On the Structure and Development of the Skull in the Urodeles. By W. K. Parker, F.R.S. (with six coloured plates).

## VOL. XI. PART VII. (October, 1882).

Observations on some rare Reptiles and a Batrachian now or lately living in the Society's Menagerie. By Dr. Albert Günther, F.R.S., V.P.Z.S. (with three uncoloured and two coloured plates).

Description of a Specimen of *Schedophilus medusophagus*, a Fish new to the British Fauna. By Dr. Albert Günther, F.R.S., V.P.Z.S. (with one coloured plate).

Notes on the External Characters and Anatomy of the Californian Sea-lion (*Otaria gillespii*). By W. A. Forbes, B.A., Fellow of St. John's College, Cambridge, Prosector to the Society (with one uncoloured and two coloured plates).

The Index to the ten volumes of the 'Proceedings' from 1871 to 1880, which was announced to be in preparation in the last Report, has been completed and issued to all Subscribers to the Publications.

## 4. LIBRARY.

The Library, under the superintendence of Mr. F. H. Waterhouse, the Society's Librarian, has been in constant use during the past year by many working zoologists.

Many important additions have been made to it, among which attention may be called to the following donations:—

Caton. Antelope and Deer of America. (Revised Edition.) 1881.

Presented by the Author.

Godwin-Austen. Land and Freshwater Mollusca of India. Parts i. to iii. Presented by the Author.

Hidalgo. Moluscos del Viaje al Pacifico. Entrega i. Presented by the Author.

——. Catalogo de los Moluscos terrestres de España, Portugal y las Baleares. Entrega i. Presented by the Author.

Hopley. Snakes: Curiosities and Wonders of Serpent Life. Presented by the Authoress.

Journal of the Straits Branch of the Royal Asiatic Society. Nos. 5 to 9. Presented by Major-Gen. Sir Harry St. George Orde.

Leem's Lappones Finmarchiæ. Presented by Professor Newton, M.A.

Mason. Central Nervous System of certain Reptiles and Batrachians of America. Presented by the Author.

Moore's Lepidoptera of Ceylon. Parts iv., v., vi. Presented by the Government of Ceylon.

Norske Nordhavs-expedition 1876-78. Parts iv. to vii. Presented by Prof. H. Mohn.

Phillips. Birds of Breconshire. 1882. Presented by the Author.

- Raimondi, El. Perú. Tomo ii. 1876. Presented by Colonel Almonte.  
 Romanes. Animal Intelligence. 1882. Presented by the Author.  
 Sinclair and Fyfe. Handbook of Jamaica, 1882. Presented by Edward Newton, Esq., C.M.G.

The following is a list of zoological works in course of publication of which parts were purchased in 1882:—

- André. Spécies d. Hyménoptères. Fasc. i.-xv.  
 Booth. British Birds. Part ii.  
 Bronn's Thierreich. Band V. Abth. ii. Lief. 4-8; Band VI. Abth. iii. Lief. 22-34; Band I. (*Protozoa*) Lief. 10-16; Band II. (*Porifera*) Lief. I.  
 'Challenger,' Voyage of H.M.S. Narrative, Vol. ii.; Zoology, Vols. iv., v.  
 Cory. Beautiful and Curious Birds. Parts iii., iv.  
 Day. Fishes of Great Britain. Parts iv., v.  
 Distant. Rhopalocera. Parts i.-iii.  
 Dobson. Monograph of the Insectivora. Part i.  
 Doderlein. Manuale Ittiologico. Part ii.  
 Dubois. Oiseaux de Belgique. Livr. 40-44.  
 Ecker. Anatomie des Frosches. Abth. iii. (completed).  
 Edwards. Butterflies of North America. Part x.  
 Elliot. Felidæ. Parts ix., x.  
 Fischer. Manuel de Conchyliologie. Fasc. i.-v.  
 Giglioli. Avifauna Italica. Parts xiii.-xviii.  
 Godman and Salvin. Biologia Centrali-Americana. Zoology, Parts xv.-xx.; Botany, Parts xi.-xiv.  
 Gould's Birds of Asia. Part xxxiii.  
 — Birds of New Guinea. Part xiii.  
 — Supplement to the Trochilidæ. Part iii.  
 Kirby. European Butterflies and Moths. Nos. 46-58.  
 Jager. Handwörterbuch der Zoologie, &c. Band ii.  
 Jan et Sordelli. Ophidiens. Lief. 51 (completed).  
 Janson's Cistula Entomologica. Parts xxv., xxvi.  
 Koch. Arachniden Australiens. Lief. xxix., xxx.  
 Lang. Butterflies of Europe. Parts vi.-x.  
 Marshall and de Niceville. Butterflies of India, Burmah, and Ceylon. Part i.  
 McCoy. Prodromus of the Zoology of Victoria. Decade v., vi.  
 Meyer. Abbildungen von Vögel-Skeleten. Lief. ii., iii.  
 Milne-Edwards et Grandidier. Madagascar. Oiseaux: Tome I., Texte pt. 2; Tome III., Atlas pt. 2; Tome IV., Atlas pt. 3.  
 Müller. Thiere der Heimath. Lief. i.-xxii.  
 Newton. Yarrell's British Birds. Part xv.  
 Rolland. Faune Populaire de la France. Tome v., vi.  
 Rossmässler. Iconographie. N. S. Band i. Lief. 1, 2.  
 Salvadori. Ornitologia della Papuasias e delle Molucche. Part iii.  
 Reichenow. Vogelbilder aus fernen Zonen. Lief. ix., x.  
 Seeböhm. British Birds. Part i.  
 Semper. Reisen im Archipel der Philippinen. Theil II. Bd. iv. Heft 6.  
 Sharpe's Edition of Layard's Birds of South Africa. Part v.  
 Waterhouse. Aid to the Identification of Insects. Parts xi.-xv.

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

- Annalen des Wiener Museums. (Zool. Abhandl.) 4to, 1841.  
 Barboza du Bocage. Ornithologie d'Angola. 8vo, 1881.  
 Bischoff. Beiträge zur Biologie. 8vo, 1882.  
 Blainville. Manuel de Malacologie. Text and Atlas. 8vo, 1825.  
 Bloch. Histoire Naturelle des Poissons. 10 vols. 12mo, 1801.  
 Bonizzi. Catalogo degli Uccelli del Modenese. 8vo, 1868.  
 Brown. Illustrations of Conchology of Great Britain and Ireland. Royal 8vo, 1845.  
 Brunner von Wattenwyl. Prodrömus der europäischen Orthopteren. 8vo, 1882.  
 Buckley. Winners in Life's Race. 8vo, 1882.  
 ——. Life and Her Children. 8vo, 1882.  
 Camerano. Anatomia degli Insetti. 8vo, 1882.  
 Cantor. Zoology of Chusan. 4to, 1842.  
 Clemens. Tineina of North America. 8vo, 1872.  
 Coues. Check-List of N.-American Birds. 8vo, 1882.  
 Dahlbom. Hymenoptera Europæa. 2 vols. 8vo, 1844-54.  
 Dallas. Natural History of the Animal Kingdom. 8vo, n. d.  
 Dillwyn. Descriptive Catalogue of Recent Shells. 2 vols. 8vo, 1817.  
 Donovan's British Shells. 8vo, 1800-04.  
 Drury. Illustrations of Natural History. 3 vols. 4to, 1770-82.  
 Earle. New Zealand. 8vo, 1832.  
 Ellis. Corallines. 4to, 1756.  
 Encyclopædia Britannica. 9th Ed. Vol. xiv. 4to, 1882.  
 Entomologist (The). 1864-82.  
 Fabricius. Mantissa Insectorum. 8vo, 1787.  
 ——. Systema Entomologiæ. 8vo, 1775.  
 Fatio. Faune des Vertébrés de la Suisse (Poissons). 8vo, 1882.  
 Floyer. Unexplored Baluchistan. 8vo, 1882.  
 Foster's Synoptical Catalogue of British Birds. 8vo, 1817.  
 Fox. Synopsis of the Newcastle Museum. 8vo, 1825.  
 Geoffroy. Histoire abrégée des Insectes. 2 vols. 4to, 1799.  
 Gerstäcker. Bericht über die wissenschaftlichen Leistungen im Gebiete der Entomologie. 8vo, 1855-73.  
 Gmelin. Gemeinnützig systematische Naturgeschichte. (Säugethiere et Vögel.) 2 vols. 8vo, 1805-06.  
 Goeze. Entomologische Beyträge. 4 vols. 8vo, 1777-81.  
 Gould. Otia Conchologica. 8vo, 1862.  
 Graaf. Construction des Phalangiens. 4to, 1882.  
 Graff. Monographie der Turbellarien. Folio, 1882.  
 Graves. Ovarium Britannicum. Royal 8vo, 1816.  
 Grote. North-American Entomologist. Vol. i. 8vo, 1879-80.  
 Hagen. Bibliotheca Entomologica. 2 vols. 8vo, 1862.  
 Harlan. Fauna Americana. 8vo, 1825.  
 Harris. Insects Injurious to Vegetation. 8vo, 1862.  
 Hasse. Elasmobranchier. 4to, 1882.  
 Heinemann. Schmetterlinge Deutschlands. 3 vols. 8vo, 1859-77.  
 Huxley. Science and Culture. 8vo, 1882.  
 Imhoff. Koleoptern. 8vo, 1856.

- Im Thurn. Birds of Marlborough. 8vo, 1870.  
 Jan. Elenco sistematico degli Ofidi. 8vo, 1863.  
 Johnston's Introduction to Conchology. 8vo, 1850.  
 Jordan. Manual of the Vertebrates. Third Ed. 8vo, 1880.  
 Jurine. Hyménoptères et les Diptères. 4to, 1807.  
 Kaluza. Ornithologia Silesiaca. 12mo, 1815.  
 Klein. Ova Avium. 4to, 1766.  
 Koch. System Myriapoden. 12mo, 1847.  
 —. Deutschlands Crustaceen, Myriapoden und Arachniden. 12mo, 1835-41.  
 — und Hahn. Die Arachniden. 16 vols. 8vo, 1831-48.  
 Krukenberg. Vergleichend-physiologische Studien. Reihe i. and Reihe ii. Abth. 1-3. 8vo, 1880-82.  
 Lamont. Yachting in the Arctic Seas. 8vo, 1876.  
 Lansdell. Through Siberia. 2 vols. 8vo, 1882.  
 Latreille. Cours d'Entomologie. 8vo, 1831.  
 —. Genera Crustaceorum et Insectorum. 4 vols. 8vo, 1806-09.  
 —. Histoire naturelle et particulière des Crustacés. 14 vols. 8vo, 1802-05.  
 Locard. Mollusques Vivants de France. 8vo, 1882.  
 Magendie et Desmoulins. Anatomie des Systèmes Nerveux. Text, 2 vols., 8vo; Atlas, 4to, 1825.  
 Mittheilungen der schweizerischen entomologischen Gesellschaft. Vols. I.-VI. pt. 1-7. 8vo, 1862-82.  
 Mivart. Nature and Thought. 8vo, 1882.  
 Mulsant et Rey. Punaises de France. 8vo, 1865-79.  
 Nicols. Zoological Notes. 8vo, 1883.  
 Nilsson. Skandinavisk Fauna. 8vo, 1820-42.  
 —. Ornithologia Suecica. 8vo, 1817-21.  
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Donations, Memoirs, and Papers have also been received from :—C. M. Adamson, Esq.; the Editors of the 'American Naturalist'; the Trustees of the Australian Museum; Professor J. V. Barboza du Bocage; W. T. Blanford, Esq.; Professor Blasius; the Trustees of the British Museum; Professor Spiridion Brusina; Dr. H. Burmeister; Pro-

fessor G. Canestrini; Messrs. Cassell, Petter, and Galpin; V. T. Chambers, Esq.; Robert Collett, Esq.; The Colonial Museum of New Zealand; The Rev. W. Deans Cowan; Messieurs H. Crosse et P. Fischer; Professor James D. Dana; Francis Day, Esq.; George Dimmock, Esq.; Dr. G. E. Dobson; Monsieur L. Dollo; Monsieur Alph. Dubois; R. Edward Earl, Esq.; Dr. A. Ernst; Professor W. H. Flower; Dr. Luis Jorge Fontana; Professor H. H. Giglioli; Lt.-Col. H. H. Godwin-Austen; R. J. L. Guppy, Esq.; Dr. F. V. Hayden; Dr. James Hector; Dr. E. Holub; The Trustees of the Indian Museum; The Editors of the Journal of Science; the Liverpool Free Public Library; Dr. A. W. Malm; Manchester Public Free Library; Professor Alph. Milne-Edwards; New York State Library; New York State Museum of Natural History; Monsieur E. Oustalet; Professor J. Reinhardt; Dr. L. Rüttimeyer; E. C. Rye, Esq.; Dr. T. Salvadori; Dr. R. Schomburgk; P. L. Sclater, Esq.; the Editors of the 'Scottish Naturalist'; Dr. Jacob Spångberg; Henry Stevenson, Esq.; Dr. H. Troschel; Professor W. Turner; the University College of London; U.S. Commission of Fish and Fisheries; and H. B. Woodward, Esq.

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

#### 1. BUILDINGS AND WORKS.

##### a. *New Reptile-house.*

In several preceding annual reports the Council have spoken of the necessity of providing a new Reptile-house, and have announced that a spot in the south-eastern corner of the Gardens, near the reservoir, had been selected for the site of the proposed building. The clearing of the ground and the burning of the clay into ballast for this purpose was commenced in December 1880, and certain sums (£31 8s. 3d. and £177 3s. 3d.) were expended on these preliminary works in 1880 and 1881. The great increase in the receipts which took place last year at length gave the Council the long-wished-for opportunity of commencing the building; and in August last a contract was entered into with Messrs. Holland and Hannen for the construction of the principal portions of the struc-

ture (exclusive of floors and fittings) for the sum of £4680. The work is now very far advanced, the roof being covered in and the windows inserted; and sums, together amounting to £4500, have been paid to the contractors on account of the work performed, of which £2550 were charged to extraordinary expenditure in 1882.

The plans for the new Reptile-house have been prepared by Mr. C. B. Trollope.

The building measures 120 feet by 60, and is provided with a large porch with double entrance at the front, and with keepers' and workers' rooms at the rear. It is built of brick, with Corsehill-stone dressings. The roof is of iron, slated on the north slopes, and with skylights on the south slopes. The building will be fitted with fixed cages on three sides, leaving a passage in the rear for the keepers. The space of the interior clear of the cages is 100 feet by 50 feet; and the roof over this portion is in two spans of 25 feet each.

There will be about ten large cages on the north side and ten smaller cages at the ends. The fronts of the cages, which will be constructed not to open, will be glazed with plate-glass; the only access to the cages will be from the keepers' passage in the rear, to which the public will not have access.

The south front of the building will be reserved for small movable cases, such as are now used in the Insect-house.

The cages will be placed on a platform, about table high, of slate, supported on brick walls. The space under the slate platform will form a chamber for the hot-water pipes, thus confining the heat to the cages as much as possible.

There will be a large oval tank, about 25 feet by 12 feet, for Crocodiles in the centre of the building, and two smaller ones at the sides.

#### b. *Other special Works.*

The other special works executed in 1882, and charged to extraordinary expenditure, were as follows:—The sum of £216 5s. was expended in building a reserve-shed at the back of the Cattle-sheds, for the purpose mainly of accommodating duplicate specimens bred in the Gardens,

pending their disposal, and for the use of such animals as might upon occasions not be desirable for public exhibition. A glass roof was prepared and fixed over the Kangaroo-sheds at a total cost of £115 17s. 1d. This will, it is believed, effect a material saving in the amount of straw consumed in this house, besides being of much advantage to the Kangaroos, which require, above all things, to be kept dry. The balance expended on the final completion of the studies in the Prosector's Office, concerning which full details were given in the last Report, amounted to £31 1s. 7d. Finally, a sum of £31 9s. 1d. was devoted to the preliminary works upon a new boiler for the Monkey-house, which has been completed during the present year. These four items make up the total of £394 12s. 9d. devoted to extraordinary expenditure in the Gardens in 1882, besides the sum expended on the new Reptile-house as already mentioned.

*c. Repairs and General Maintenance.*

The ordinary repairs of the numerous buildings, roads, walks, railings, and enclosures in the Society's Gardens necessitate the employment of a considerable staff of workmen and a large expenditure on material; and the continual additions made to the buildings and walks obviously cause a corresponding increase to the cost of their maintenance, and require greater exertions to be made to keep the whole establishment in an efficient state. This, however, it is believed, was effectually performed in 1882 at a total cost of £2579 17s. 11d. against a sum of £2592 3s. 9d. expended in a similar way in 1881.

The principal buildings thoroughly renovated and repaired in 1882 were the Marsupial-house, the Brush-Turkeys'-house and enclosure, and the Fish-house. In the latter a large new tank has been built, expressly constructed to show the movements of diving birds (such as Auks, Guillemots, and Penguins) under the water.

These and various other smaller works, renovations, and repairs kept the Society's staff of workmen fully employed in 1882.

2. STAFF.

The permanent Staff of the Society's Gardens remains

nearly the same as at the last Anniversary. It consists of:—

- 1 Superintendent.
- 1 Assistant Superintendent.
- 1 Head Keeper.
- 6 Keepers (1st class).
- 7 Keepers (2nd class).
- 9 Keepers (3rd class).
- 4 Money-takers.
- 1 Storekeeper.
- 1 Cook.
- 1 Office Clerk.
- 1 Prosector's Assistant.
- 1 Head Gardener.

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34

Besides these there are 20 Helpers in the Menagerie, 13 Garden-labourers, 8 Artisans, 7 Painters, 13 Labourers 1 Butcher, 1 Fireman, 2 Night-Watchmen, and 2 Time-keepers employed at weekly wages; so that the number of the whole staff may be reckoned at about 100 persons.

### 3. VISITORS.

The total number of visitors to the Society's Gardens during the year 1882 was 849,776, as will be seen by the following Table, which gives the corresponding numbers of entrances under each head for 1881 and 1882:—

#### *Visitors to the Gardens.*

	1881.	1882.	Comparison.	
Fellows and Friends .....	180,324	213,883	Incr. 33,559	
Paying {	On ordinary days at 1s. each...	148,489	207,172	Incr. 58,683
	On Mondays and other days	249,423	336,379	Incr. 86,956
	at 6d. each .....			
Children under 12 years at 6d. each .....	56,768	75,559	Incr. 18,791	
School Children (admitted free) .....	13,690	16,783	Incr. 3,093	
	648,694	849,776	Incr. 201,082	

The only year in which the number of visitors has been larger was 1876, on the occasion of the exhibition of the Prince of Wales's Indian Menagerie.

This is shown in the subjoined Table, which contains a statement of the Number of Visitors to the Society's Gardens during each year, from the year 1828 to the year 1882.

*Number of Visitors to the Gardens, 1828-82.*

Year.	Number.	Year.	Number.
1828 . . . .	98,605	1856 . . . .	344,184
1829 . . . .	189,913	1857 . . . .	339,217
1830 . . . .	223,420	1858 . . . .	351,580
1831 . . . .	262,193	1859 . . . .	364,356
1832 . . . .	206,652	1860 . . . .	394,906
1833 . . . .	211,343	1861 . . . .	381,837
1834 . . . .	208,583	†1862 . . . .	682,205
1835 . . . .	210,068	1863 . . . .	468,700
1836 . . . .	263,372	1864 . . . .	507,169
1837 . . . .	173,778	1865 . . . .	525,176
1838 . . . .	179,197	1866 . . . .	527,349
1839 . . . .	158,432	1867 . . . .	556,214
1840 . . . .	141,009	1868 . . . .	573,186
1841 . . . .	132,616	1869 . . . .	572,848
1842 . . . .	107,459	1870 . . . .	573,004
1843 . . . .	98,280	1871 . . . .	595,917
1844 . . . .	101,527	1872 . . . .	648,088
1845 . . . .	99,615	1873 . . . .	713,046
1846 . . . .	100,045	1874 . . . .	706,907
1847 . . . .	93,546	1875 . . . .	699,918
1848 . . . .	143,630	‡1876 . . . .	915,764
1849 . . . .	168,895	1877 . . . .	781,377
1850 . . . .	360,402	1878 . . . .	706,713
*1851 . . . .	667,243	1879 . . . .	643,000
1852 . . . .	305,203	1880 . . . .	675,979
1853 . . . .	409,076	1881 . . . .	648,694
1854 . . . .	407,676	1882 . . . .	849,776
1855 . . . .	315,002		

\* Year of the Great Exhibition.

† Year of the International Exhibition.

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

#### 4. NEW REGULATIONS AS TO RIDING ON THE ELEPHANTS AND CAMELS.

At the General Meeting, held on the 19th April last, the Council called the attention of the Society to the new regulations which they proposed to introduce concerning the riding on the Elephants and Camels in the Gardens.

Under the new arrangement, which was commenced on the 1st of May last year, these rides are restricted to persons who have provided themselves with tickets sold for the purpose, at a price of twopence each. The money arising from the sale of these tickets is subsequently divided between the attendants and the Society.

The Council have the pleasure of announcing that the new system seems to have been much appreciated, and has proved to be a great success. Not one single complaint or remonstrance against it has been made. It has also proved profitable to the Society; the total sum received under this head during the eight months of last year in which the new regulations were in force having amounted, as will be seen by the table of receipts (p. 5), to £305 10s. 9d.

It should be added that one slight alteration has been deemed advisable in the regulations for the present season, the price of the Camel-tickets having been reduced from twopence to one penny each.

### 5. ZOOLOGICAL LECTURES.

The Zoological Lectures, to which the proceeds of the Davis Trust-fund have been devoted for several years, will be given in the Lecture-room in the Society's Gardens, on Thursdays at 5 P.M., commencing June 7th.

The following is a list of the lecturers and subjects:—

Date.	Subject.	Lecturer.
1. Thursday, June 7 ...	The Evolution of Ungulate Mammals .....	Prof. Flower, LL.D., F.R.S.
2. " " 14 ...	Our Snakes and Lizards. ...	Prof. Mivart, F.R.S.
3. " " 21 ...	The Lamprey and its Kindred.....	Prof. Parker, F.R.S.
4. " " 28 ...	Birds and Light-houses.....	J. E. Harting, Esq., F.L.S.
5. " July 5 ...	African Birds .....	R. Bowdler Sharpe, Esq., F.L.S.
6. " " 12 ...	South-American Animals ...	P. L. Slater, Esq., M.A., Ph.D., F.R.S.
7. " " 19 ...	Siberian Birds .....	Henry Seebohm, Esq.

These Lectures will be free to Fellows of the Society and their Friends, and to other Visitors to the Gardens.

## 6. MENAGERIE.

a. *Sale of the male African Elephant.*

The sale of the large male African elephant "Jumbo" was an event connected with the Menagerie in 1882, which, as it excited great public attention to the Society's affairs, and had, consequently, a very beneficial effect on the Garden-receipts, cannot pass unalluded to in the present Report.

It was not surprising to the Council that so general a regret should have been expressed by visitors to the gardens and the public generally at the prospect of losing the great African elephant. No one shared in this regret more than the members of the Council, and they would not have consented to part with the animal unless satisfactory reasons for so doing had been placed before them by the responsible executive of the gardens.

b. *Additions to the Menagerie in 1882.*

The number of animals belonging to the first three classes of Vertebrates living in the Society's Menagerie at the close of 1882 was 2355. The corresponding number on the 31st of December, 1881, was 2294, as will be seen by the subjoined Table:—

	December 31.		Comparison.
	1881.	1882.	
Quadrupeds.....	647	750	Incr. 103
Birds .....	1389	1364	Deer. 25
Reptiles .....	258	241	Deer. 17
	2294	2355	Incr. 61

The total number of registered additions to the Menagerie in 1882 was 1423, of which 772 were acquired by presentation, 402 by purchase, 113 were bred in the Gardens, 111 were received on deposit, and 25 obtained in exchange.

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

	Presented.	Purchased.	Born.	Deposited.	Received in Exchange.	Total.
1870.	386	529	160	218	40	1333
1871.	496	434	138	129	90	1287
1872.	460	527	195	110	52	1344
1873.	483	457	191	231	188	1530
1874.	425	296	214	242	25	1202
1875.	559	557	156	143	43	1458
1876.	533	316	171	172	27	1219
1877.	506	324	181	181	68	1260
1878.	511	272	150	178	71	1182
1879.	550	421	115	124	56	1266
1880.	624	515	148	161	40	1488
1881.	565	310	167	136	35	1213
1882.	772	402	113	111	25	1423

The following is a list of the most noticeable additions made to the Menagerie during the year 1882:—

#### JANUARY.

1. A young male Gayal, born in the Gardens, January 6th, being the produce of the fine pair received in exchange, in October 1880, from the Zoological Gardens, Calcutta. This is believed to be the first instance of this animal having bred in Europe.

2. A young female Markhoor (*Capra megaceros*), from Afghanistan, presented by Lieut.-Col. Sir Oliver B. C. St. John K.C.S.I., F.Z.S., January 17th.

#### FEBRUARY.

3. Four Warty-faced Honey-eaters (*Xanthomyza phrygia*), and

4. Two Musk-Ducks (*Biziura lobata*), purchased February 8th. Both these Australian species were new to the Society's Collection.

5. A young Tapir born in the Gardens February 12th, and thriving well, was the produce of our male *Tapirus roulini* (received May 25th, 1878) and the large female *Tapirus americanus* from Paraguay, received January 16th, 1873. It is the first of the genus born in the Society's Gardens.

6. A female Mule Deer (*Cervus macrotis*) from the Western United States, presented by Dr. J. D. Caton, C.M.Z.S., and received February 15th.

Thanks to Dr. Caton's kind exertions, we have now two fine pairs (besides an odd male) of this beautiful Deer, and shall, we trust, succeed in breeding them. The female just received is in excellent health and very tame.

In recognition of Dr. Caton's valuable assistance in this matter the Council have awarded the Silver Medal of the Society to their excellent Correspondent.

## MARCH.

7. A Radiated Fruit-Cuckoo (*Carpococcyx radiatus*) from Sumatra, purchased March 31st.

The gait and actions of this remarkable Ground-Cuckoo remind one more of a Gallinaceous bird or of a Gallinule than of any of its arboreal relatives of the same family. The form is quite new to the Society's Collection.

## APRIL.

8. A Rifle-bird (*Ptilorhis paradisca*), purchased April 4th. This is a male bird in immature and worn plumage, changing very slowly into the adult dress, but apparently in good health.

9. A pair of Black-headed Tragopans (*Ceriornis melanocephala*), received April 5th. This is the first pair of this fine species that has reached us, although several examples of this Tragopan have been previously received in Europe; and there is said to have been a single specimen of it many years ago in the Gardens.

10. Four Rüppell's Parrots (*Pæocephalus rueppelli*), from Western Africa, purchased April 15th.

11. A Western Black Cockatoo (*Calyptorhynchus naso*), conspicuously differing from the eastern *C. banksi*, of which we have also examples, in its smaller size.

12. A male Cabot's Tragopan (*Ceriornis caboti*), purchased April 18th, making a fine addition to the Gallinaceous series.

13. Two of the recently described Green Horned Parrakeet (*Nymphicus waensis*), purchased April 27th. These have been placed in the Parrot-house next to our living examples of *Nymphicus cornutus*, and afford a fine opportunity for the comparison of those two closely allied species.

## MAY.

14. Four Pygmy Hogs (*Porcula salvania*) (one male and three females), purchased May 15th. These are the first examples of this rare and interesting animal which have been received by the Society.

15. A Mediterranean Seal (*Monachus albiventer*), presented to the Society by M. Yeats Brown, Esq., H.B.M. Consul at Genoa. This Seal is the first example of this scarce species that has been received at the Gardens. Unfortunately it did not long survive its arrival.

16. Two male Argus Pheasants (*Argus giganteus*), presented to the Menagerie by Major M'Nair, C.M.G., and J. M. Vermont, Esq., May 18th. This arrival is especially acceptable, as we had previously only two unmated females of this magnificent bird in the Collection.

17. A Koala (*Phascolarctos cinereus*), purchased May 23rd. This is the second example of this interesting and delicate animal which we have received.

18. A Jackass Penguin (*Spheniscus magellanicus*) from the Falkland Islands, purchased May 25th. This is an adult bird in fine plumage, and is the first example of this species of Penguin that has been acquired.

19. A fine pair of Great Anteaters (*Myrmecophaga jubata*), purchased May 31st.

#### JULY.

20. A young male African Elephant (*Elephas africanus*), purchased July 8th. This animal is supposed to be from three to four years old. When received it was about 4 ft. 2 in. in height; and is perfectly tame and quiet.

21. A Kolbe's Vulture (*Gyps kolbii*) from South Africa, purchased July 15th, being the first example of this species of Vulture that we have received.

22. A Heloderm Lizard (*Heloderma horridum*) from Arizona, presented by Sir John Lubbock, Bart., M.P., F.R.S., F.Z.S., July 16. This Lizard, which is new to the Collection, is remarkable as being the only known venomous species of the Lacertian Order. It has been ascertained by actual experiment that its bite is fatal to small mammals and very injurious to man.

#### AUGUST.

23. A pair of young River-Hogs (*Potamochoerus africanus*) from Zulu-land, presented by Col. J. H. Bowker, F.Z.S., and Mr. John Dunn, and received August 28th.

#### SEPTEMBER.

24. An example of a species of *Canis*, said to have been received from the Amazons, and remarkable for its short hair and short ears. Being unable to identify this peculiar animal with any described form, the Secretary has given it the provisional name of the Short-eared Fox (*Canis microtis*).

25. A cock and two hens of Elliot's Pheasant (*Phasianus ellioti*) from China, purchased of the Jardin d'Acclimatation of Paris, September 27th. These are young birds, bred in France, and are the first specimens of this fine Pheasant that have reached us.

26. Eight Lemurs from Madagascar were received on deposit, September 30th. These animals belong to a species of *Chirogaleus* new to our Collection, apparently to *C. coquereli* (Poll. et v. Dam).

## NOVEMBER.

27. A collection of Reptiles from the Western States of North America, presented by Samuel Garman, Esq., C.M.Z.S., November 3rd. Amongst these were examples of several species new to the Society's Collection.

28. A young Lynx, from Ballistan, presented by Capt. Baddock, R.A., November 23rd. This Lynx is doubtless referable to *Felis isabellina*, Blyth; and it seems doubtful whether Mr. Elliot is correct in considering this form to be merely a variety of *Felis lynx*.

c. *List of Species new to the Collection exhibited during the year 1882.*

## MAMMALS.

- 1 Moloch Teetee (*Callithrix moloch*).
- 1 Black-fronted Teetee (*Callithrix nigrifrons*).
- 8 Coquerel's Lemurs (*Chirogaleus coquereli*).
- 1 Marbled Cat (*Felis marmorata*).
- 1 Isabelline Lynx (*Felis isabellina*).
- 1 Pardine Genet (*Genetta pardina*).
- 1 Small-eared Fox (*Canis microtis*).
- 1 Mediterranean Seal (*Monachus albiventer*).
- 2 Mexican Sousliks (*Spermophilus mexicanus*).
- 1 Oak Dormouse (*Myoxus dryas*).
- 4 Barbary Mice (*Mus barbarus*).
- 24 Brown-tailed Gerbilles (*Gerbillus erythrurus*).
- 2 Canadian Porcupines (*Erethizon dorsatus*).
- 1 Cuvier's Lagotis (*Lagotis cuvieri*).
- 4 Pygmy Hogs (*Porcula salvania*).
- 1 Black-fronted Antelope (*Cephalophus nigrifrons*).
- 1 Philander Opossum (*Didelphys philander*).

## BIRDS.

- 2 Brown Thrushes (*Turdus leucomelas*).
- 1 Redstart (*Ruticilla phœnicurus*).
- 6 Northern Marsh-Tits (*Parus borealis*).
- 1 Cedar-bird (*Ampelis cedrorum*).
- 1 Four-coloured Shrike (*Laniarius quadricolor*).
- 4 Warty-faced Honey-eaters (*Xanthomyza phrygia*).
- 2 Blue-faced Honey-eaters (*Entomyza cyanotis*).
- 2 Grey-backed White-eyes (*Zosterops dorsalis*).
- 1 Striated Tanager (*Tanagra striata*).

- 1 Allied Saltator (*Saltator similis*).
- 2 Beautiful Waxbills (*Estrela formosa*).
- 1 Black-breasted Sparrow (*Passer diffusus*).
- 2 Eastern Goldfinches (*Carduelis orientalis*).
- 1 Singing Finch (*Crithagra musica*).
- 4 White-headed Bullfinch Larks (*Pyrrhulauda verticalis*).
- 2 Spotted Bower-birds (*Chlamydodera maculata*).
- 1 Rifle-bird (*Ptilorhis paradisea*).
- 1 Black-backed Piping Crow (*Gymnorhina tibicen*).
- 1 American Kingbird (*Tyrannus pipiri*).
- 2 Malabar Hornbills (*Buceros malabaricus*).
- 1 Radiated Fruit-Cuckoo (*Carpococcyx radiatus*).
- 1 Western Black Cockatoo (*Calyptorhynchus naso*).
- 1 Three-coloured Lory (*Lorius tricolor*).
- 4 Uvæan Parrakeets (*Nymphicus uvæensis*).
- 1 Saisset's Parrakeet (*Cyanoramphus saisseti*).
- 4 Rüppell's Parrot (*Pæocephalus rueppelli*).
- 1 Mercenary Amazon (*Chrysotis mercenaria*).
- 2 American Scops Owls (*Scops asio*).
- 1 Bengal Vulture (*Gyps bengalensis*).
- 1 Kolbe's Vulture (*Gyps kolbii*).
- 3 Shags (*Phalacrocorax graculus*).
- 1 Great American Heron (*Ardea herodias*).
- 1 Black-necked Heron (*Ardea atricollis*).
- 2 Musk-Ducks (*Biziura lobata*).
- 1 Ring-tailed Pigeon (*Columba caribbæa*).
- 3 Elliot's Pheasants (*Phasianus ellioti*).
- 2 Black-headed Tragopans (*Ceriornis melanocephala*).
- 1 Cabot's Horned Tragopan (*Ceriornis caboti*).
- 1 Greater Shearwater (*Puffinus major*).
- 1 Jackass Penguin (*Spheniscus magellanicus*).

#### REPTILES.

- 1 Spinose Land-Emys (*Geomyda spinosa*).
- 1 Oldham's Terrapin (*Clemmys oldhami*).
- 1 Galeated Pentonyx (*Pelomedusa galeata*).
- 1 Lace Monitor (*Varanus varius*).
- 1 Sonoran Heloderm (*Heloderma suspectum*).
- 4 Sharp-headed Lizards (*Lacerta oxycephala*).
- 18 Rough-scaled Lizards (*Zonurus cordylus*).
- 10 Sepiform Lizards (*Pleurostrichus sepiformis*).
- 1 Streaked Euprepes (*Euprepes vittatus*).

- 1 Bipes (*Scelotes bipes*).
- 5 Delalande's Geckos (*Tarentola delalandii*).
- 21 Ocellated Geckos (*Pachydactylus ocellatus*).
- 5 Garman's Lizards (*Sceloporus garmani*).
- 8 Douglass's Horned Lizards (*Phrynosoma douglassi*).
- 1 Orbicular Horned Lizard (*Phrynosoma orbiculare*).
- 6 Spotted Lizards (*Holbrookia maculata*).
- 1 Striped Snake (*Tropidonotus sirtalis*).
- 11 Spot-bellied Snakes (*Zamenis ventrimaculatus*).
- 1 Banded-tailed Tree-Snake (*Ahetulla liocercus*).
- 3 Confluent Rattlesnakes (*Crotalus confluentus*).

#### AMPHIBIANS.

- 1 Channelled Toad (*Bufo canaliferus*).
- 4 Slender-fingered Frogs (*Leptodactylus pentadactylus*).
- 11 Variable Leaf-Frogs (*Phyllomedusa dacnicolor*).
- 1 Greenish Newt (*Notophthalmus viridescens*).

#### FISHES.

- 1 Littoral Callichthys (*Callichthys littoralis*).

#### d. List of Animals bred in the Gardens during the year 1882.

#### MAMMALS.

- 1 Hybrid Macaque Monkey. (Between *Macacus cynomolgus* ♂ and *M. erythræus* ♀.)
- 1 Australian Fruit-Bat (*Pteropus poliocephalus*).
- 3 Collared Fruit-Bats (*Cynonycteris collaris*).
- 1 Hybrid Paradoxure. (Between *Paradoxurus larvatus* and *P. leucomystax*.)
- 1 Two-spotted Paradoxure (*Nandinia binotata*).
- 4 Australian Dingo Dogs (*Canis dingo*).
- 2 Common Badgers (*Meles taxus*).
- 3 Black Rats (*Mus rattus*).
- 1 Hybrid Tapir. (Between *Tapirus roulini* ♂ and *T. americanus* ♀.)
- 1 American Bison (*Bison americanus*).
- 1 Gayal (*Bibos frontalis*).
- 1 Cape Buffalo (*Bubalus caffer*).

- 1 Eland (*Oreas canna*).
- 1 Muscat Gazelle (*Gazella muscatensis*).
- 1 Four-horned Antelope (*Tetraceros quadricornis*).
- 1 Cashmere-shawl Goat (*Capra hircus*, var.).
- 2 Mouflons (*Ovis musimon*).
- 1 Burrhel Wild Sheep (*Ovis burrhel*).
- 1 Hybrid Muntjac. (Between *Cervulus muntjac* ♂ and  
*C. lacrymans* ♀.)
- 1 Red Deer (*Cervus elaphus*).
- 1 Wapiti Deer (*Cervus canadensis*).
- 2 Japanese Deer (*Cervus sika*).
- 1 Sambur Deer (*Cervus aristotelis*).
- 1 Molucca Deer (*Cervus moluccensis*).
- 1 Axis Deer (*Cervus axis*).
- 4 Short-headed Phalangers (*Belideus breviceps*).
- 1 Squirrel-like Phalanger (*Belideus sciureus*).
- 1 Red Kangaroo (*Macropus rufus*).
- 1 Bennett's Wallaby (*Halmaturus bennetti*).
- 2 Rufous Rat Kangaroos (*Hypsiprymnus rufescens*).
- 1 Gaimard's Rat Kangaroo (*Hypsiprymnus gaimardi*).

#### BIRDS.

- 4 Banded Grass-Finches (*Poëphila cincta*).
- 1 Turquoise Parrakeet (*Euphema pulchella*).
- 5 Undulated Grass-Parrakeets (*Melopsittacus undulatus*).
- 2 Common Cormorants (*Phalacrocorax carbo*).
- 1 Egyptian Goose (*Chenalopex ægyptiaca*).
- 1 Ruddy-headed Goose (*Bernicla rubidiceps*).
- 2 Variegated Sheldrakes (*Tadorna variegata*).
- 4 Slender Ducks (*Anas gibberifrons*).
- 3 Chilian Pintails (*Dafila spinicauda*).
- 3 Chiloe Wigeons (*Mareca chiloensis*).
- 8 Summer Ducks (*Aix sponsa*).
- 5 Mandarin Ducks (*Aix galericulata*).
- 6 Geoffroy's Doves (*Peristera geoffroyi*).
- 2 Himalayan Monals (*Lophophorus impeyanus*).
- 6 Swinhoe's Pheasants (*Euplocamus swinhoii*).
- 4 Horned Tragopans (*Cerionis satyra*).
- 2 Peacock Pheasants (*Polyplectron chinquis*).
- 2 Herring-Gulls (*Larus argentatus*).

#### REPTILES.

- 2 Mocassin Snakes (*Tropidonotus fasciatus*).

*c. List of the Donors and their several Donations  
for the year 1882.*

- His Royal Highness the Prince of Wales, K.G.  
101 Restless Cavies.
- His Royal Highness Prince Christian.  
One Hybrid Mouflon.
- Abrahams, Mr. J.  
Two Beautiful Finches, one Black-breasted Sparrow,  
one White-throated Seed-eater, two Grey-backed  
White-eyes.
- Adams, Capt.  
One Four-rayed Snake.
- Adams, L., Esq.  
One Hairy-footed Jerboa.
- Angas, G. F., Esq., C.M.Z.S.  
Twenty-five Madeira Snails, four Undulated Snails.
- Astashoff, General.  
One Glutton.
- Atkinson, W. C., Esq.  
Two Cockateels.
- Attenborough, Mrs.  
One Blue-and-Yellow Macaw.
- Austin, H. G., Esq.  
1 Laughing Kingfisher.
- Bacon, Major-Gen. E. A.  
Two Silver-backed Foxes.
- Baillie, W. M., Esq.  
Two Common Buzzards.
- Baldock, Capt., R.A.  
One Isabelline Lynx.
- Baldwin, J. L., Esq., F.Z.S.  
One Rufous-necked Weaverbird, one Common Lap-  
wing.
- Balfour, H., Esq.  
One Spanish Terrapin.
- Barfield, H., Esq.  
One Chacma Baboon.
- Barnes, C. S., Esq.  
Two Pileated Jays.
- Bartlett, Mr. A. D.  
Five Delalande's Geckos, two Sharp-headed Lizards,  
a collection of Sea-Anemones.

- Bassett, Mr., and Lieuts. Fisher and Farquhar.  
One Egyptian Cat.
- Battersby, F., Esq.  
One Chacma Baboon.
- Battersby, Mr.  
One Lanner Falcon.
- Battiscombe, A., Esq.  
One Land-Rail.
- Bayes, W., Esq.  
Three Common Hedgehogs.
- Beauclerk, Mrs.  
Three Zebra Finches, one Crimson-eared Waxbill,  
two Amaduvade Finches, one Shining Weaverbird,  
one Singing Finch, one Nonpareil Finch.
- Bemmelen, Heer A. A. van, C.M.Z.S.  
Two Coypu Rats.
- Benison, F. H. W., Esq.  
One Carrion-Crow.
- Bennett, L., Esq.  
Two Macaque Monkeys.
- Bennett, Master.  
One Mississippi Alligator.
- Benwell, H. J., Esq.  
One Common Viper.
- Beyts, N. H., Esq., C.M.Z.S.  
Two Striped Hyænas.
- Biddle, Dr. Thomas.  
One Egyptian Fox.
- Biehl, J., Esq.  
One Purple-headed Glossy Starling, two Californian  
Quails, one Amherst Pheasant.
- Blackiston, F. W., Esq.  
One Bonnet-Monkey.
- Blasius, Dr. Rudolph, C.M.Z.S.  
Two Goshawks.
- Blyth, A. W., Esq.  
One Two-spotted Paradoxure.
- Bolau, C. G., Esq.  
One White Pelican.
- Boljohn, Messrs. L. & J.  
One Diana Monkey.
- Boulenger, G. A., Esq.  
Three Midwife Toads, Fourteen Alpine Newts, nine  
Fire-bellied Toads, one Back-marked Snake, one  
Lacertine Snake.

- Bower, C. T. H., Esq.  
 One Black-faced Kangaroo.
- Bowes, H. T., Esq.  
 One Common Partridge.
- 32  
 Bowker, Col. J. H., F.Z.S., and J. Dunn, Esq.  
 Two Southern River-Hogs.
- Bowker, Col. J. H., F.Z.S.  
 One Four-coloured Shrike.
- Boyd, Dr. Robert, F.Z.S.  
 Two Common Barn-Owls.
- Boyton, Sir Henry S., Bart.  
 Two Grey Lag Geese, one Black-backed Kaleege
- Braddick, Capt.  
 One Indian Cobra.
- Branicki, The Count Constantin.  
 One Northern Lynx.
- Brewer, Mrs. E.  
 Two Long-eared Owls.
- Bridges, W. F., Esq.  
 One Rude Fox.
- Brindley, Mrs.  
 Two Lesser Black-backed Gulls.
- Brodie, W. L., Esq.  
 One Grey Ichneumon.
- Brooke, Major H. Langford.  
 Two Tovi Parrakeets.
- Brooksbank, Col. A.  
 One Peregrine Falcon.
- Broune, T., Esq.  
 One Peregrine Falcon.
- Brown, G., Esq.  
 One Chinese Tiger.
- \*31  
 Brown, M. Yeats, Esq.  
 One Mediterranean Seal.
- Browne, J. W., Esq.  
 One Chacma Baboon.
- Brownrigg, Mrs. Studholme.  
 One Common Fox.
- Bryant, W. E., Esq.  
 One Black Rat.
- Buchanan, Sir George Leith, Bart.  
 One Common Raven.
- Burnaby, T. A., Esq.  
 Six Common Kingfishers.

- Burness, Miss L.  
Three European Tree-Frogs.
- Bury, F. G., Esq.  
One Common Raven, two Lesser Black-backed Gulls.
- Caravossi, C., Esq.  
One Rufous Rat Kangaroo.
- Carew, B. H., Esq.  
One Oldham's Terrapin, one Burmese Tortoise.
- Carmichael, T. D. G., Esq., F.Z.S.  
Seven Italian Scorpions, two Axolotls, five Carpathian Scorpions, three European Pond-Tortoises.
- 30 Caton, Dr. J. D., C.M.Z.S.  
One Mule Deer.
- Cheetham, J. H., Esq., F.Z.S.  
One African Brush-tailed Porcupine.
- Christy, R. M., Esq.  
One Short-eared Owl.
- Church, J. C. J., Esq.  
One Three-toed Sand-Skink.
- Clark, W. Marston, Esq.  
One Vulpine Phalanger.
- Clark, Master G. H.  
One Bonnet-Monkey.
- Clements, H. J., Esq.  
Two Sharp-headed Lizards.
- Cobb, F. E., Esq., C.M.Z.S.  
Two Upland Geese, five Ruddy-headed Geese, one  
Loggerhead Duck.
- Cole, Mr.  
One Moor-Harrier.
- Collison, A., Esq.  
One Yellow Baboon.
- Conklin, W. A., Esq., C.M.Z.S.  
Two Canadian Porcupines.
- Coope, E. J., Esq.  
One Himalayan Bear.
- Cornély, Mons. J. M., C.M.Z.S.  
Two Hybrid Red-headed Pochards.
- Cornet, A., Esq.  
Two Macaque Monkeys.
- Costa Ricci, The Chevalier da, F.Z.S.  
One Herring-Gull.
- Cotton, N., Esq.  
Two Bonnet-Monkeys.

- Court, Miss E. à.  
Two Common Waxbills.
- Crane, Mrs. Walter.  
One Common Peafowl.
- Craven, C. A., Esq., C.M.Z.S.  
One Banded-tailed Tree-Snake, one Hairy Armadillo, one Wood-Brocket.
- Crawford, Mrs.  
One Macaque Monkey.
- Crawshay, Lieut. R.  
One Puff-Adder.
- Crompton, H. D., Esq.  
One Common Night-Heron.
- Crosbie, Miss Mabel.  
One Yellow-bellied Liothrix.
- Cross, Mr. Wm.  
One Hawk's-billed Turtle.
- Cumberleye, Mrs.  
One Malbrouck Monkey.
- Dalrymple, Sir Hugh, Bart.  
Six Common Guillemots.
- Davis, Mr. G.  
Four Common Kingfishers.
- Davis, F. L., Esq.  
One Martinique Waterhen.
- Davison, Mrs.  
One Black-eared Marmoset.
- Dixon, Mrs. F.  
One Nisnas Monkey.
- Dowson, Mrs. H. C.  
One Rhesus Monkey.
- Drabble, G. W., Esq.  
One Common Marmoset.
- Draper, S., Esq.  
One Bauer's Parrakeet.
- Dunton, Mr. F. E.  
One Common Raven.
- Dykes, B., Esq.  
One Sykes's Monkey.
- Edson, G., Esq.  
One Canada Goose.
- Ekman, C. D., Esq.  
Four Speckled Terrapins.
- Elliott, F. W., Esq.  
One Common Adder.

- Elwood, Capt. R.  
One Radiated Tortoise.
- Elyard, S. J., Esq.  
One Common Raven.
- Escaré, Mr. M.  
One Squirrel Monkey.
- Evans, Mrs.  
One Toque Monkey.
- Faed, J., Esq.  
Two Common Buzzards.
- Farmer, Capt.  
One Cape Zorilla.
- Finch-Hatton, The Hon. M. E. G., F.Z.S.  
One Cinereous Sea-Eagle.
- Finlay, Major.  
Eleven Muscovy Ducks.
- Fisk, The Rev. G. H. R., C.M.Z.S.  
One Semiserrated Tortoise, eighteen Rough-scaled Lizards, ten Sepiform Lizards, twenty-one Ocellated Geckos, one Streaked Euprepes, one Dwarf Chameleon, two Hoary Snakes, twenty-nine Spotted Slow-worms, forty-one Rosaceous Snails, one Bipes, one Crossed Snake, one Rhomb-marked Snake, one Black-necked Heron.
- Fitch, A. P., Esq.  
Two Macaque Monkeys.
- Fitz-Simons, Mrs. R. H.  
One Capybara.
- Forbes, W. A., Esq., F.Z.S.  
One Painted Terrapin, three Confluent Rattlesnakes.
- Ford, Mr. W. J.  
Three Common Chameleons.
- Forman, Mr. F.  
One Macaque Monkey.
- Forrer, A., Esq.  
Two Pennsylvanian Mud-Terrapins, two Adorned Terrapins.
- Fox, Mrs. F.  
Two Blossom-headed Parrakeets.
- Freeman, Mrs.  
One Grey Ichneumon.
- Fremlin, W. T., Esq.  
One Bonnet-Monkey.
- Gain, E. W., Esq.  
One Crimson-crowned Weaverbird.

- 32 Garman, Samuel, Esq., C.M.Z.S.  
Eight Douglass's Horned Lizards, five Garman's Lizards, six Spotted Lizards, two Confluent Rattlesnakes, three Say's Snakes, one Striped Snake, one American Box-Tortoise.
- Garratt, G. H., Esq.  
One Crested Porcupine.
- Gibbs, V., Esq.  
One Spotted Cavy.
- Gissing, A. S., Esq.  
One Bonnet-Monkey.
- Golden, Master.  
Two Common Barn-Owls.
- Gourlay, T. W., Esq.  
One Vervet Monkey.
- Grant, H., Esq.  
One Yellow Wagtail, one Marsh-Tit, two Common Nightingales, one Blackcap Warbler.
- Grant, Owen E., Esq.  
One Azara's Fox.
- Gratton, Mrs.  
One Green Monkey.
- Graves, Capt. T. W.  
One Black-faced Spider Monkey.
- Grosvenor, Dr. A. O.  
One Red-legged Partridge.
- Gunning, H., Esq.  
One Sykes's Monkey.
- Hamer, H. B., Esq.  
One Bonnet-Monkey.
- Hames, Mrs.  
Two Silver Pheasants.
- Hance, Theo. A. W., Esq., C.M.Z.S.  
Three Gold Pheasants, six Bamboo-Partridges, one Common Moorhen, one Black Kite.
- Hardcastle, H. T., Esq.  
One Vervet Monkey.
- Harding, C. W., Esq.  
One Thicknee.
- Harraden, H., Esq.  
One Three-coloured Lory.
- Harris, Rev. C.  
One Campbell's Monkey, one Diana Monkey.
- Harting, J. E., Esq., F.Z.S.  
One Lanner Falcon.

- Harvey, C. J., Esq.  
Two Leadbeater's Cockatoos.
- Hawes, Capt.  
One Golden Eagle.
- Hawtayne, G. H., Esq., C.M.Z.S.  
One Shining Buzzard-Hawk, three Chimachima  
Milvagos, one Collared Peccary.
- Heath, Mrs.  
One Moustache Monkey.
- Henderson, W. H., Esq.  
One Common Heron.
- Hill, Major-Gen.  
One Greater Vasa Parrakeet.
- Hill, Mrs.  
One Macaque Monkey.
- Hills, E. W., Esq.  
One Macaque Monkey.
- Howard, Miss Maud.  
One Passerine Owl.
- Jackson, Sir Louis S., F.Z.S.  
One Common Paradoxure.
- Jacobs, G., Esq.  
Two Common Marmosets, one Silky Hangnest.
- James, Messrs.  
One Arabian Baboon.
- Jamrach, Mr. A. H.  
Six Northern Marsh-Tits.
- Jamrach, Mrs. A. H.  
One Slender Loris, one Sharp-nosed Crocodile.
- Jellicoe, Capt. J.  
One Puma.
- Jones, Capt.  
One Brazilian Cariama.
- Jones, G. H., Esq., F.Z.S.  
One Vervet Monkey.
- Jones, Capt. E.  
One Black-backed Jackal.
- Keighley, Capt. H. Hope.  
One Jardine's Parrot.
- Kennedy, Master J.  
One Allen's Porphyrio.
- Kessels, Mr.  
One Bonnet-Monkey.
- Kilmorey, The Earl of, F.Z.S.  
One Great Eagle-Owl.

- King, Capt. D., R.N.  
Two Nilotic Crocodiles.
- King's Royal Rifles, I Company, 3rd Batt.  
One Black-headed Lemur, one Black Lemur.
- Knight, J., Esq.  
One Macaque Monkey.
- Krehl, A., Esq.  
Two Crimson-winged Waxbills.
- Laing, W. Percy, Esq.  
One Bonnet-Monkey.
- Lake, Miss.  
One Naked-eared Deer.
- Lamprey, Mrs.  
One Rhesus Monkey.
- Lane, Miss.  
One Puffin.
- Langton, H. E., Esq.  
One Common Raven.
- Lauder, Mrs. Dick.  
One Ceylonese Jungle-fowl.
- Laws, Capt.  
One Indian Python.
- Lawson, G., Esq., F.Z.S.  
One Rose-hill Parrakeet.
- Layard, E. L., Esq., F.Z.S.  
Two Uvæan Parrakeets, one Saisset's Parrakeet.
- Lea, Dr. J., M.R.C.S.  
One Ring-tailed Lemur.
- Lentaigne, Dr. H. W.  
Two Slender Lories.
- Leportier, Capt. Th.  
One Bengal Vulture.
- Levy, C., Esq.  
One Ring-tailed Pigeon.
- Lilford, Lord, F.Z.S.  
Six Spanish Blue Magpies, three Pleurodele Newts,  
one Loggerhead Turtle.
- Little, G., Esq.  
One Littoral Callichthys.
- Londesborough, Lord, F.Z.S.  
Two Common Snakes.
- Lubbock, Sir John, Bart., F.Z.S.  
One Sonoran Heloderm.
- Lubbock, A., Esq.  
One Red-sided Eclectus.

- 31
- M'Aldouie, Dr. A. M.  
One Forster's Milvago.
- McEwan, A. J., Esq.  
One Weeper Capuchin.
- McNair, Major, C.M.G., and J. M. Vermont, Esq.  
Two Argus Pheasants.
- Macpherson, H. A., Esq.  
One Ring-Ouzel.
- Maitland, Miss Eva.  
One Bauer's Parrakeet.
- Manigault, Dr. G. E., C.M.Z.S.  
Six Florida Tortoises, two Alligator Terrapins, one  
American Box-Tortoise, one Serrated Terrapin.
- Mapleson, A., Esq.  
One Orbicular Horned Lizard.
- Mason, W., Esq.  
One Pig-tailed Monkey.
- Meek, E., Esq.  
One Vulpine Phalanger.
- Meltzer, C. R., Esq.  
Two Badgers.
- Mills, R., Esq.  
One Malbrouck Monkey.
- Monro, R. W., Esq.  
A collection of Sea-Anemones.
- Morris, Mrs.  
One Bonnet-Monkey.
- Morson, Miss.  
One Roseate Cockatoo.
- Munt, A., Esq., F.Z.S.  
Two Active Amazons.
- Napier, Master C. E.  
One Horned Lizard.
- Nash, W., Esq.  
One Bonnet-Monkey.
- Newton, F. J., Esq.  
Two Macaque Monkeys.
- Nicholls, C. Kerry, Esq., F.Z.S.  
Two Greater Sulphur-crested Cockatoos.
- Nicholson, Mrs.  
One Bonnet-Monkey.
- North, Miss M.  
One Java Sparrow.
- Oliver, Lieut. A. H., R.N.  
Two Martinique Waterhens.

- Owen, Capt. H.  
One Puff-Adder.
- Paget, Lieut., R.N.  
Twenty-four Brown-tailed Gerbilles, nine Hairy-footed Jerboas.
- Paris, The Count de.  
Five Wild Boars.
- Paris, Mrs.  
One Macaque Monkey.
- Park, Capt.  
One Leopard.
- Parkyns, Lady.  
One Macaque Monkey.
- Parr, J. Charlton, Esq.  
One Bauer's Parrakeet.
- Paul, Mr. G.  
One Common Barn-Owl.
- Pemberton, R. Leigh, Esq.  
One Great Eagle-Owl.
- Penney, W., Esq.  
One Lesser White-nosed Monkey, one Smooth Snake.
- Pichot, Mons.  
Four Barbary Mice.
- Pilcher, W., Esq.  
One Horned Lizard.
- Pillans, E., Esq.  
One Egyptian Cobra.
- Pillans, H., Esq.  
One Ring-hals Snake, one Rhomb-marked Snake.
- Pirie, F. Logie, Esq.  
One Macaque Monkey.
- Powys, The Hon. L. W. H., F.Z.S.  
One Common Squirrel.
- Poyer, J. Poyer, Esq.  
One Common Snake, two Slowworms.
- Rabbetts, R. H., Esq.  
Two Common Herons.
- Ramsay, Mrs.  
One Roscate Cockatoo.
- Reading Angling Association.  
Three Young Otters.
- Reece, The Rev. A.  
One Common Barn-Owl.

- Reynardson, Lieut.-Col. Birch.  
One Common Jay.
- Richardson, Mrs.  
One Macaque Monkey.
- Robson, Miss C. G.  
One Spinose Land-Emys.
- Rocke, J. C. S., Esq.  
One Common Buzzard.
- Rokeby, H. R., Esq.  
One Common Cuckoo.
- Rowell, D., Esq.  
One Horned Lizard.
- Russell, Lord Arthur, F.Z.S.  
One Æsculapian Snake.
- Ryass, R. W., Esq.  
Two Globose Curassows.
- 30 St. John, Lieut.-Col. Sir Oliver B. C., K.C.S.I., R.E., F.Z.S.  
One Markhoor.
- St. Leger, R. A., Esq.  
One Malbrouck Monkey.
- St. Quintin, W. H., Esq.  
One Waxwing.
- Salvin, Capt.  
One Goshawk.
- Sandbach, H., Esq.  
One Red Brocket.
- Sargent, Miss.  
One Greenish Newt.
- Sawyer, G. V., Esq.  
One Rhesus Monkey.
- Schliger, Herr J.  
Six Sand-Lizards.
- Schroedler, Capt. F. W.  
One Sykes's Monkey.
- Scrutton, Percy E., Esq.  
Four Slender-fingered Frogs.
- Seabrooke, R. E., Esq.  
One Annulated Snake.
- Searle, Mr.  
Fourteen young Salmon.
- Sidney, S., Esq.  
One Greater Sulphur-crested Cockatoo.
- Simmonds, Mrs.  
Two Mexican Sousliks.

- Snell, Mrs.  
One Macaque Monkey.
- Spellerberg, F. E., Esq.  
One Common Paradoxure.
- Stafford, Lady.  
One Sooty Mangabey.
- Stanley, W. K., Esq.  
One Ring-necked Parrakeet, one Water-Vole.
- Staveley, Miss R. M.  
One Pig-tailed Monkey.
- Sterndale, R. H., Esq.  
One Three-striped Paradoxure.
- Stevens, Capt. E. B., R.N.  
One Rhesus Monkey.
- Stoddart, The Hon. John.  
One Indian Chevrotain.
- Tarbat, Viscount, F.Z.S.  
One Black Tortoise.
- Taylor, Mr. Charles.  
Two Slowworms.
- Temple, W. R., Esq.  
One Oyster-catcher.
- Thomas, J., Esq.  
One Common Rhea.
- Thomason, Miss K.  
One Common Marmoset.
- Tilleard, Miss.  
One Black-eared Marmoset.
- Tollemache, Lady Sibyl.  
One Macaque Monkey.
- Upcher, H. M., Esq., F.Z.S.  
One Puffin.
- Verinder, J., Esq., F.Z.S.  
One Ring-tailed Coati.
- Vice, M., Esq.  
One Common Raccoon.
- Walker, Capt. E., C.B.  
One Horned Lizard.
- Walsingham, Lord, F.Z.S.  
One Common Buzzard, one Chinese Quail.
- Ward, R., Esq., F.Z.S.  
Three Herring-Gulls.
- Wardroper, Capt. W. F.  
One North-African Jackal.

- Warre, F. R., Esq.  
One Hairy Armadillo.
- Watkins, W. A., Esq.  
One Galeated Pentonyx.
- Webster, Capt. M. P.  
One Ring-tailed Lemur.
- Whitmarsh, H. B., Esq.  
One American Tantalus, one Crab-eating Raccoon.
- Wilkins, Mrs. C.  
One Black Kite.
- Wingfield, Mrs.  
One Common Marmoset.
- Wiseman, Sir William, R.N.  
One Great Anteater.
- Wood, J., Esq.  
One Common Paradoxure.
- Wood, Major, R.A.  
One Chacma Baboon.
- Worth, H., Esq.  
One Bonnet-Monkey.
- Wright, Mrs. A.  
One Common Barn-Owl.
- Wrzesniowsky, Prof.  
One Oak Dormouse.
- Wylde, Beyts & Co., Messrs.  
Four Egyptian Ouarans, one Ocellated Skink, eleven  
Spot-bellied Snakes.
- Youle, F., Esq.  
One King Vulture, one Sclater's Curassow.

*Conclusion.*

The Council cannot conclude their Report without acknowledging, with many thanks, the assistance they have received from the Committee of Publication, and from the gentlemen who have served upon the Committees of Finance and Audit during the past year.

Signed (for the Council),

P. L. SCLATER,

*Secretary.*

11 Hanover Square, April 30th, 1883.

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

Appointed January 18, 1883.

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THE Committee of Auditors to the Zoological Society 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, 1882, 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, and a report thereon.

## RECEIPTS IN 1882.

					£ s. d.		
Balance brought from December 31, 1881.....					1,203 3 4		
INCOME.							
		£ s. d.			£ s. d.		
1874	Publication Sales.....				13 5 6		
1878	Admission Fees .....				5 0 0		
1879	Garden Sales .....				2 0 0		
1880	{ Garden Sales .....	1 0 0					
	{ Subscriptions .....	12 0 0					
					13 0 0		
1881	{ Rent for Refreshment Rooms .....	48 10 0					
	{ Rent for Freehold Premises .....	75 0 0					
	{ Garden Sales .....	60 4 9					
	{ Admission Fees .....	95 0 0					
	{ Subscriptions .....	45 0 0					
					143 9 4		
					467 4 1		
1882	{ Admissions to Gardens .....	20,691 10 0					
	{ Rent for Refreshment Rooms.....	1,258 13 4					
	{ Rent for Freehold Premises .....	225 0 0					
	{ Garden Sales .....	2,217 5 3					
	{ Admission Fees .....	620 0 0					
	{ Compositions .....	1,170 0 0					
	{ Subscriptions .....	6,296 17 0					
	{ Ivory Tickets .....	36 5 0					
	{ Publication Subscriptions .....	498 15 0					
	{ Publication Sales .....	120 2 7					
	{ Dividends (Davis Trust) .....	74 8 4					
	{ Interest on Deposit Account.....	71 0 4					
{ Elephant and Camel Riding Receipts..	305 10 9						
{ Miscellaneous .....	63 7 6						
					33,648 15 1		
1883	{ Subscriptions .....	108 0 0					
	{ Ivory Tickets .....	1 1 0					
	{ Publication Subscriptions .....	12 12 0					
					121 13 0		
INCOME RECEIVED IN 1882.....					34,270 17 8		
					34,270 17 8		
					35,474 1 0		

## PAYMENTS IN 1882.

EXPENDITURE.	Belonging to		Total.
	1881.	1882.	
	£ s. d.	£ s. d.	£ s. d.
Rent, Rates, Taxes, and Insurance ..Gardens	254 2 2	1,027 17 9	1,281 19 11
Ditto ditto .....Office	24 1 3	82 15 11	106 17 2
Salaries, Wages, and Pensions .....Gardens		3,619 14 5	3,619 14 5
Ditto ditto .....Office		1,822 7 0	1,822 7 0
Provisions .....	539 19 4	4,638 7 6	5,178 6 10
Cost and Carriage of Animals.....	213 12 6	2,299 11 8	2 513 4 2
Menagerie Expenses .....	308 15 9	3,138 15 1	3,447 10 10
Keepers' Dresses .....		191 9 11	191 9 11
Works, Materials, &c. ....	66 12 1	2,907 18 7	2,974 10 8
Buildings.....		2,665 2 0	2,665 2 0
Garden Expenses .....	2 8 0	807 4 10	809 12 10
Advertisements .....	42 1 6	219 8 7	261 10 1
Band Expenses .....		239 17 0	239 17 0
House and Office Expenses .....Gardens	36 10 3	239 6 1	275 16 4
Ditto ditto .....Office	14 13 0	404 5 2	418 18 2
Stationery .....	7 2 1	65 7 3	72 9 4
Printing .....	26 17 3	394 18 2	421 15 5
Cost of Publications .....	140 3 6	2,122 9 1	2,262 12 7
Library Expenses .....	66 11 4	370 12 3	437 3 7
Returned Subscriptions .....		29 5 0	29 5 0
Cost of Medal.....		4 18 6	4 18 6
Law Expenses.....	5 14 2	30 10 1	36 4 3
Zoological Lectures (Davis Bequest) .....		70 15 0	70 15 0
Interest on Mortgage Debt.....		234 5 0	234 5 0
	1,749 4 2	27,627 1 10	29,376 6 0
Jan. 18. Repayment of Loan had Nov. 18, 1881 .....		£201 13 4	
" 23. Ditto ditto Dec. 21, 1881 .....		1,004 3 4	
			1,205 16 8
Repaid Messrs. Drummond on account of Mortgage Debt .....			1,000 0 0
Paid to Deposit Account with London and County Bank: £6,000 0 0			
Less withdrawals .....		3,500 0 0	
Balance December 31, 1882.....			2,500 0 0
Cash at the Banker's, December 31, 1882, viz. {			
General Account.....		£911 0 4	
Petty Cash Account.....		480 18 0	
			1,391 18 4
			35,474 1 0

*Comparison of Receipts in 1881 and 1882.*

<i>Receipts.</i>				
	Income of		Increase.	Decrease.
	1881.	1882.		
	<i>£ s. d.</i>	<i>£ s. d.</i>	<i>£ s. d.</i>	<i>£ s. d.</i>
Admissions to Gardens..	15,113 17 6	20,691 10 0	5,577 12 6	.....
Rent for Refreshment Rooms .....	1,084 6 8	1,307 3 4	222 16 8	.....
Rent for Premises in Oxford Street .....	300 0 0	300 0 0	.....	.....
Garden Sales .....	462 13 3	2,280 10 0	1,817 16 9	.....
Admission Fees:—				
Past.....	90 0 0	100 0 0	10 0 0	.....
Present .....	510 0 0	620 0 0	110 0 0	.....
Annual Subscriptions:—				
Past.....	93 0 0	57 0 0	.....	36 0 0
Present .....	6,328 13 0	6,296 17 0	.....	31 16 0
Future .....	114 0 0	108 0 0	.....	6 0 0
Compositions .....	600 0 0	1,170 0 0	570 0 0	.....
Ivory Tickets .....	38 7 0	37 6 0	.....	1 1 0
Publications .....	981 11 4	788 4 5	.....	193 6 11
Dividends .....	74 3 7	145 8 8	71 5 1	.....
Elephant-riding receipts .....	.....	305 10 9	305 10 9	.....
Miscellaneous.....	20 2 6	63 7 6	43 5 0	.....
	25,810 14 10	34,270 17 8	8,728 6 9	268 3 11
Increase .....	8,460 2 10	.....	268 3 11	Ded. Decr.
	34,270 17 8	34,270 17 8	8,460 2 10	.....
Total Receipts in 1882 .....			<i>£</i> 34,270 17 8	
Total Payments in 1882.....			29,376 6 0	
Receipts over Payments .....			4,894 11 8	
<i>Dr. Cash</i>				
To Balance brought from December 31, 1881 .....			<i>£ s. d.</i> 1,203 3 4	
To Income received in the Year .....			34,270 17 8	
			35,474 1 0	

*Comparison of Payments in 1881 and 1882.*

<i>Payments.</i>				
	Expenditure of		Increase.	Decrease.
	1881.	1882.		
	£ s. d.	£ s. d.	£ s. d.	£ s. d.
Arrears of previous years . . . .	2,153 6 7	1,749 4 2	.....	404 2 5
Rent, Rates, Taxes, and Insurance . . . . .	900 5 0	1,110 13 8	210 8 8	.....
Salaries, Wages, and Pensions . . . . .	5,262 8 10	5,442 1 5	179 12 7	.....
Provisions . . . . .	4,627 14 5	4,638 7 6	10 13 1	.....
Cost and Carriage of Animals	867 5 6	2,299 11 8	1,432 6 2	.....
Menageric Expenses . . . . .	3,193 10 0	3,138 15 1	.....	54 14 11
Keepers' Dresses . . . . .	154 12 0	191 9 11	36 17 11	.....
Works, Materials, &c. . . . .	2,967 12 4	2,907 18 7	.....	59 13 9
Buildings . . . . .	.....	2,665 2 0	2,665 2 0	.....
Garden Expenses . . . . .	886 6 10	807 4 10	.....	79 2 0
Advertisements . . . . .	200 11 5	219 8 7	18 17 2	.....
Band Expenses . . . . .	221 8 0	239 17 0	18 9 0	.....
House and Office Expenses . .	611 17 7	643 11 3	31 13 8	.....
Stationery and Account Books	64 11 11	65 7 3	0 15 4	.....
Printing (Miscellaneous) . . . .	370 11 6	394 18 2	24 6 8	.....
Cost of Publications . . . . .	2,355 14 10	2,122 9 1	.....	233 5 9
Library Expenses . . . . .	422 9 2	370 12 3	.....	51 16 11
Returned Subscriptions . . . .	26 7 0	29 5 0	2 18 0	.....
Cost of Medals . . . . .	.....	4 18 6	4 18 6	.....
Law Expenses . . . . .	.....	30 10 1	30 10 1	.....
Grant in aid of Science . . . . .	50 0 0	.....	.....	50 0 0
Expenditure of Davis Bequest	76 18 0	70 15 0	.....	6 3 0
Interest on Mortgage-debt . .	273 14 9	234 5 0	.....	39 9 9
	25,687 5 8	29,376 6 0	4,667 8 10	978 8 6
Increase . . . .	3,689 0 4	.....	978 8 6	Ded. Decr.
	29,376 6 0	29,376 6 0	3,689 0 4	.....
Ordinary Payments . . . . .	24,651 4 3	26,109 9 0	1,458 4 9	.....
Extraordinary ditto . . . . .	1,036 1 5	3,266 17 0	2,230 15 7	.....
	25,687 5 8	29,376 6 0	3,689 0 4	.....
<i>Contra</i>				<i>Cr.</i>
By Expenditure paid in the year . . . . .				£ s. d. 29,376 6 0
By Repayment of Loans . . . . .				1,205 16 8
By Repayment of Mortgage-debt . . . . .				1,000 0 0
By Balance on Deposit Account at London and County Bank . . . . .				2,500 0 0
By Balance at the Bankers', December 31, 1882 . . . . .				1,391 18 4
				35,474 1 0

*Assets and Liabilities of the Society on December 31, 1882.*

ASSETS.

	£	s.	d.
Animals in the Menagerie in the Regent's Park .....	21,629	5	0
Books in the Library at Hanover Square .....	15,000	0	0
Unsold Publications .....	10,900	0	0
Freehold Premises .....	25,000	0	0
Cost of £1,900 London and South-Western Railway New 4 per cent. Preference Stock (Davis' Trust Fund) .....	1,938	9	6
Deposit Account, London and County Bank .....	2,500	0	0
Cash at the Bankers (Messrs. Drummonds) .....	1,391	18	4
Arrears considered good:—			
Annual Subscriptions .....	105	0	0
Ivory Tickets .....	3	3	0
Publication Sales .....	135	6	3
Garden Sales .....	113	13	4
Rent for Refreshment Rooms .....	128	10	0
Rent for Freehold Premises .....	75	0	0
		560	12 7
		£78,920	5 5

LIABILITIES.

	£	s.	d.	£	s.	d.
Rent and Taxes unpaid:—						
For the Gardens, say ..	235	13	11			
,, Office, say.....	27	0	7			
				262	14	6
Bills, &c., estimated at:—						
For the Gardens, say .....	962	5	6			
,, Office, say.....	209	12	7			
				1,171	18	1
Messrs. Drummonds, Mortgage Debt .....				5,000	0	0
Balance of Contract on Reptile House .....				2,180	0	0
Hot-water Apparatus for ditto .....				242	0	0
				£8,856	12	7

The Auditors have much pleasure in congratulating the Society on the very satisfactory state of its finances, the total receipts of 1882 having been exceeded in one previous year only. This they ascribe in part to the great interest taken by the public in the events connected with the removal of a favourite animal, whose departure has thus proved to be very remunerative to the Society. There has been a total increase of animals to the number of 61. Additional accommodation for the reptile collection is being made at a cost of £2,665 already paid, and of £2,180 still due, amounting altogether to £4,845. This still leaves a handsome balance out of the increased income received by the Society.

The Auditors have much pleasure in expressing their satisfaction with the manner in which the Books have been placed before them by Mr. Barrow, the Society's Accountant.

ALFRED E. CRAVEN.  
 G. E. DOBSON, M.A., M.B.  
 HERBERT DRUCE.  
 CHARLES H. GATTY.  
 W. H. HUDLESTON.  
 The Rev. JAS. H. LANG, M.A.  
 L. C. STEWART, Surgeon-General.

11 *Hanover Square, W.*

*February 27, 1883.*