

REPORT
OF THE
COUNCIL
OF THE
ZOOLOGICAL SOCIETY
OF LONDON,
FOR THE YEAR 1890.

READ AT THE ANNUAL GENERAL MEETING,

APRIL 29TH, 1891.

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REPORT OF THE COUNCIL.

April 29, 1891.

THE Council have the pleasure of submitting to the Fellows their sixty-second 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 on the 1st of January, 1891, was 3046, classified as follows:—

Compounders who have paid £20	23
Ditto ditto £30	928
Compositions remitted	20
Paying annual contributions of £2	11
Ditto ditto £3	1879
Dormant	167
Admission-fees unpaid	18
	<hr/>
	3046

The corresponding number of Fellows at the close of 1889 was 3075. The number of Fellows elected or re-admitted in 1890 was 121, being 4 less than the corresponding number in 1889.

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.			
1881.	138	24	31	...	5	75	...	65	3	1	27	...	231	3213
1882.	164	3	23	1	4	61	...	48	...	...	11	13	164	3213
1883.	159	4	25	...	3	55	...	38	...	...	33	4	162	3210
1884.	183	1	28	...	5	53	...	37	...	1	7	6	138	3255
1885.	111	2	17	...	5	69	2	55	...	1	20	2	173	3193
1886.	123	4	22	...	4	64	...	59	...	...	12	5	170	3146
1887.	138	4	20	...	7	68	1	67	...	...	10	3	180	3104
1888.	122	1	10	1	3	58	...	54	...	...	15	8	150	3076
1889.	125	1	14	1	2	58	...	36	...	...	12	2	126	3075
1890.	121	...	29	1	4	60	...	42	...	...	8	6	150	3046

b. Foreign Members.

The following new Foreign Members have been elected to fill vacancies on the List:—

Dr. F. A. Jentink, Director of the Leyden Museum.
Count Tommaso Salvadori, Zoological Museum, Turin.

c. Corresponding Members.

The following Corresponding Members have been elected since the last Anniversary:—

Dr. Cesare Tapparone-Canafri, of Turin.
Frederick Courteney Selous, Esq., of the British South-Africa Company's Service.
H. Chamberlain, Esq., of Montevideo.
Herr Paul Leverkühn, of Munich.
Dr. Georg Schweinfurth, of Berlin.
Dr. Ludwig V. Lorenz, of the Imperial Museum of Natural History, Vienna.

Dr. A. Batchelor, F.R.C.P., of La Guayra, Venezuela.

Dr. E. C. Stirling, M.A., of Adelaide University, South Australia.

Charles William Campbell, Esq., H.B.M. Acting Vice-Consul, Chemulpo, Corea.

Herr Theodor Pleske, of the Zoological Museum, Royal Academy of Sciences, St. Petersburg.

Col. Edward Charles Ross, C.S.I., H.B.M. Consul-General, Bushire, Persia.

d. *Medallists.*

The Council have agreed, in recognition of the effective protection accorded for sixty years to the Great Skua (*Stercorarius catarrhactes*) at two of its three British breeding-stations—namely, in the island of Unst by the late Dr. Laurence Edmondston and other members of the same family, and in the island of Foula by the late Dr. Scott, of Melby, and his son Mr. Robert T. C. Scott—to award the Silver Medal of the Society to Mrs. Edmondston, of Bunes House, as representative of that family, and to Robert T. C. Scott, Esq., of Melby.

In departing from the usual practice of awarding the Society's Medals for services personally rendered to the Society, the Council have been influenced by the consideration that the extermination of various species of Animals, which has been going on with increasing rapidity in so many parts of the world, will in a few years form a serious detriment to the progress of Zoological Science. The total extinction with which several forms of animal life are inevitably threatened in several of the British Colonies will ever be deeply regretted by future investigators, and steps taken for their protection should accordingly be worthy of reward. In the meanwhile the Council cannot but recognize the successful efforts made by many persons to preserve certain members of the British Fauna as indigenous animals. Among these efforts, those continued for a long term of years by successive generations of two families in the Shetland Islands, on behalf of the peculiarly local bird, the Great Skua or Bonxie (*Stercorarius catarrhactes*)—which never had but three breeding-stations in the United Kingdom—are conspicuous, and seem to the Council to deserve especial acknowledgment, as all are agreed that but for these efforts

the species would have been exterminated. In or about the year 1831, the late Dr. Laurence Edmondston began to provide protection for the Skuas which bred at Hermaness, in the island of Unst, and appear at that time from contemporary evidence to have become reduced to the number of three pairs. Accident subsequently diminished this stock to a single pair, but the stock was eventually raised to as many as thirty pairs; and this number, though now again diminished, is believed to be substantially sufficient. Nearly the same may be said of the efforts of the late Dr. Robert Thomas Charles Scott in regard to the breeding-station of the same species on the island of Foula, of which he was the proprietor, though the birds there have always been much more numerous. On these grounds, then, the Council has come to the determination above expressed, and believe that the award of these medals will meet with the general approval of the Society.

The medals, which are on the table, will be delivered to the Medallists after the present Meeting.

2. STATE OF THE FINANCES.

a. *Income.*

The Income of the Society for 1890, although not equal to that of 1889, which was abnormally increased by certain special contingencies, exceeded that of 1888 by upwards of £1000, and may be deemed to be satisfactory. The bad weather which prevailed so constantly during the past summer caused a loss of nearly £500 on the Garden Receipts, but under other heads, as will be seen by the comparative tables, the ordinary sources of revenue do not show any material falling off. The sum received for Compositions was £840, being £120 more than in 1889.

The total Income of the Society in the past year was £25,059 17s. 10d., as shown in the subjoined Table, in which the Increase or Decrease under every head as compared with the corresponding amount in 1889 is likewise given:—

	Income of						Increase.	Decrease.		
	1890.			1889.						
	£	s.	d.	£	s.	d.			£	s.	d.
Admissions to Gardens	14,396	0	6	14,891	16	6	.....	495	16	0
Elephant and Camel riding receipts	724	14	7	724	7	6	.....	0	7	1
Garden Sales.....	349	14	10	322	11	10	.....	27	3	0
Rent for Refreshment-rooms ...	776	18	7	812	9	8	.....	35	11	1
Rent for Freehold Premises ...	232	10	0	258	3	0	.....	25	13	0
Admission Fees:—										
Past	85	0	0	80	0	0	.....	5	0	0
Present	460	0	0	470	0	0	.....	10	0	0
Annual Subscriptions:—										
Past	33	0	0	33	0	0	.....		
Present	5,730	0	0	5,680	0	0	.....	50	0	0
Future	117	0	0	102	0	0	.....	15	0	0
Compositions	840	0	0	720	0	0	.....	120	0	0
Ivory Tickets	24	14	0	23	13	0	.....	1	1	0
Publications	809	13	11	1,291	6	7	.....	481	12	8
Zoological Record	298	12	9	359	17	6	.....	61	4	9
Dividends and Interest.....	92	4	9	74	2	0	.....	18	2	9
Miscellaneous	89	13	11	584	4	5	.....	494	10	6
	25,059	17	10	26,427	12	0	.....	236	13	10
Decrease	1,367	14	2	.....	.....	.....	Ded. Incr.	236	13	10
	26,427	12	0	26,427	12	0	.....	1,367	14	2

The next Table shows the fluctuations of the Society's Income during the twenty years last past, fractions being omitted:—

Annual Income of the Society during the past 20 years.

Year.	Total Income. £	Year.	Total Income. £
1871	24,620	1881	25,810
1872	26,728	1882	34,270
1873	28,099	1883	28,966
1874	28,417	1884	28,939
1875	28,738	1885	25,809
1876	34,955	1886	25,787
1877	30,988	1887	23,102
1878	27,944	1888	24,025
1879	26,463	1889	26,427
1880	27,388	1890	25,059

b. Expenditure.

The ordinary expenditure of the Society in 1890, under which head is placed every item necessary to keep the whole establishment in perfect working order, was £23,342 6s. 11d. Besides this, the sum of £230 4s. 6d. was devoted to finishing the repairs of the Monkey-house

commenced in 1889, as explained in a subsequent portion of the Report.

This raised the total expenditure of the year 1890 to £23,572 11s. 5d., being £344 0s. 2d. more than that of the year 1889, as shown in the subjoined Table.—

	Expenditure of				Increase.	Decrease.
	1890.		1889.			
	£	s. d.	£	s. d.	£	s. d.
Rent, Rates, Taxes, and Insurance ...	1,593	8 0	1,641	8 10		48 0 10
Salaries and Pensions.....	5,659	18 8	5,500	3 9	159 14 11	
Provisions	3,661	18 1	3,603	14 6	58 3 7	
Cost and Carriage of Animals	636	5 8	645	18 7		9 12 11
Menagerie Expenses	3,351	5 2	3,200	8 11	150 16 3	
Keepers Uniforms	174	3 11	167	7 10	6 16 1	
Works, Materials, &c.	2,808	18 11	2,903	19 9		95 0 10
Garden Expenses.....	790	13 8	752	8 10	38 4 10	
Advertisements.....	161	0 4	180	6 6		19 6 2
Band Expenses	207	6 9	177	4 6	30 2 3	
House and Office Expenses ..	1,088	8 6	1,132	9 0		44 0 6
Stationery and Printing (Miscellaneous)	356	11 3	367	8 7		10 17 4
Cost of Publications	1,529	2 10	1,457	18 5	71 4 5	
Cost of Zoological Record.....	651	13 2	536	4 0	115 9 2	
Library Expenses.....	563	15 6	529	11 3	34 4 3	
Expenditure of Davis Bequest.....	79	5 0	74	2 0	5 3 0	
Interest on Mortgage and Loan	214	10 0	305	5 6		90 15 6
Grant in aid of Science			25	0 0		25 0 0
Miscellaneous	44	6 0	27	10 6	16 15 6	
	23,572	11 5	23,228	11 3	686 14 3	342 14 1
Increase			344	0 2	342 14 1	Ded. Decr.
	23,572	11 5	23,572	11 5	344 0 2	
Ordinary Payments.....	23,342	6 11	22,683	4 3	659 2 8	
Extraordinary ditto.....	230	4 6	545	7 0		315 2 6
	23,572	11 5	23,228	11 3	344 0 2	

The balance brought forward from 1889 was £1242 13s. 11d. This, added to the Income received in 1890 (£25,059 17s. 10d.), gave a total sum of £26,302 11s. 9d. available for expenditure in the year 1890. By these means the Council were enabled, after payment of the ordinary and extraordinary expenditures of the year (£23,572 11s. 5d.), not only to devote the usual sum of £1000 to the reduction of the mortgage-debt on the Society's freehold house (which now amounts to £5000 only), but also to purchase a sum of £1000 in Consols, to form the nucleus of a new Reserve Fund.

Thus the balance-sheet of the year 1890 may shortly be summarized as follows:—

<i>Receipts, 1890.</i>			<i>Payments, 1890.</i>		
	£	s. d.		£	s. d.
Balance brought from December 31, 1889	1,242	13 11	Expenditure paid in the year	23,572	11 5
Income received in 1890.....	25,059	17 10	Repayment of Mortgage-debt	1,000	0 0
			Cost of £1000 Consols	945	0 6
			Balance carried forward to 1891 ...	784	19 10
	26,302	11 9		26,302	11 9

c. Assets and Liabilities.

The Assets and Liabilities of the Society on December 31, 1890, were estimated as follows:—

ASSETS.

	£	s.	d.
Animals in the Menagerie in the Regent's Park	23,753	0	0
Books in the Library at Hanover Square	14,872	0	0
Unsold Publications	3,131	0	0
Stock of the Zoological Record	1,476	0	0
Freehold Premises	25,000	0	0
Value of £1,900 London and South-Western Railway New 4 per cent. Preference Stock (Davis Trust Fund).....	2,375	0	0
Value of 1000 2½ per cent. Consols	970	0	0
Cash at the Bankers (Messrs. Drummond)	784	19	10
Arrears considered good:—			
Rent for Refreshment Rooms	58	3	7
Rent for Rooms at Hanover Square	86	5	0
Garden Sales	67	17	6
Subscriptions	33	0	0
Publication Sales	97	2	1
Zoological Record Sales	13	15	0
		356	3 2
		<u>£72,718</u>	<u>3 0</u>

LIABILITIES.

	£	s.	d.	£	s.	d.
Rent and Taxes unpaid:—						
For the Gardens, say	265	6	6			
,, Office, say.....	43	15	0			
				309	1	6
Bills, &c., estimated at:—						
For the Gardens, say	904	18	9			
,, Office, say.....	650	17	6			
				1,555	16	3
Messrs. Drummond, Mortgage Debt.....				5,000	0	0
				<u>£6,864</u>	<u>17</u>	<u>9</u>

II. OFFICE, 3 HANOVER SQUARE.

1. SCIENTIFIC MEETINGS.

To the fourteen meetings for the despatch of scientific business held in the Society's Rooms in Hanover Square, in 1890, 119 communications were made. Of these, 93 were from Fellows, 12 from Corresponding Members, and 1 from a Foreign Member of the Society. The remaining 13 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 1889 was 123.

These communications were submitted to the Committee of Publication, by whom 77 were ordered to be printed entire in the 'Proceedings' and 3 in the 'Transactions' of the Society, such illustrations being in each case allowed as the Committee considered necessary for the purpose. Of the remaining communications, abstracts or extracts were considered to be sufficient for publication.

2. SCIENTIFIC PUBLICATIONS.

a. *Proceedings.*

The volume of 'Proceedings' for 1890 is on the table. It contains 730 pages illustrated by 57 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.
1881	72	1056
1882	61	827
1883	61	704
1884	58	645
1885	62	991
1886	60	716
1887	55	730
1888	32	717
1889	62	668
1890	57	730

The decennial series of 'Proceedings' 1881-90 being now complete, it has been determined to prepare and

issue an Index-volume for that period, which will correspond to the Index-volumes previously published.

It has also been determined by the Council, in accordance with the recommendation of the Committee of Publication, to discontinue henceforth the edition of the 'Proceedings' with uncoloured plates. It is found that the copies with uncoloured plates are in little demand, and it is believed to be a better and simpler plan, commencing with the new decennial period of the present year, to have only one uniform edition.

This edition will be published, as heretofore, in four parts, as follows:—

Containing 'Proceedings' for	
Part I. January and February	June 1st.
II. March and April	Aug. 1st.
III. May and June	Oct. 1st.
IV. November and December...	April 1st.

It has also been determined, in view of the great facilities now afforded for the transmission of books all over the world, that the publications shall in future be sent out to all subscribers free of charge directly from the Society's office, as soon after the day of publication as circumstances will admit.

Fellows who wish to complete their sets of the 'Proceedings' are requested to take notice that it is now possible to supply coloured copies for some of the years which have hitherto been marked as "sold out," in particular those for 1864, 1879, and 1884. Some of the volumes for other years (a list of which may be had on application) may also be had under special arrangements for colouring the plates, provided that applications are received for them.

b. *Transactions.*

One part of the quarto 'Transactions,' Vol. XII. Part X., was published in 1890. It contains two Memoirs:—

Observations on the West-Indian Chalinine Sponges, with Descriptions of new Species. By Arthur Dendy, B.Sc., F.L.S., Assistant in the Zoological Department of the British Museum. (Communicated by Dr. Günther, V.P.Z.S.) (Plates LVIII.–LXIII.)

On the Structure of Hooker's Sea-Lion (*Arctocephalus hookeri*). By Frank E. Beddard, M.A., Prosector to the Society and Lecturer on Biology at Guy's Hospital. (Plates LXIV. & LXV.)

This part also contains the Index, Titlepage, and Contents of the 12th volume of the Society's 'Transactions,' and concludes the volume.

c. Institutions receiving Society's 'Proceedings' and 'Transactions.'

The following is a list of the Institutions to which copies of the Society's 'Proceedings' and 'Transactions' are presented:—

AFRICA.

The South-African Museum, Cape Town.

AMERICA, SOUTH.

The Museum of Natural History, Buenos Ayres.
The Museum of Natural History, Santiago, Chili.

AUSTRALASIA.

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

AUSTRIA.

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

BELGIUM.

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

BRITISH INDIA.

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

CANADA (DOMINION OF).

The McGill College, Montreal.
The University of Toronto, Toronto.

CHINA.

The China Branch of the Royal Asiatic Society, Shanghai.

EAST INDIES.

The Royal Society of the Dutch East Indies, Batavia.

FRANCE.

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

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.
The Royal Society of Sciences, Göttingen.
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 Philosophical Society, Cambridge.
The Royal Dublin Society, Dublin.
The Royal Irish Academy, Dublin.
The Geological Society, Dublin.
The Royal Physical Society, Edinburgh.
The Royal Society, Edinburgh.
The Free Public Library and Museum, Liverpool.
The Athenæum Club, London.
The British Museum of Natural History, London.
The Entomological Society, London.
The Geological Society, London.
The King's College Library, London.
The Linnean Society, London.
The London Institution.
The Royal College of Physicians, London.
The Royal College of Surgeons, London.

The Royal Geographical Society, London.
 The Royal Institution, London.
 The Royal Society, London.
 The University College, London.
 The Literary and Philosophical Society, Manchester.
 The Owens College, Manchester.
 The Tyneside Naturalists' Field-Club, Newcastle-on-Tyne.
 The Plymouth Institution and Devon and Cornwall Natural-
 History Society, Plymouth.
 The Marine Biological Laboratory, Plymouth.
 The Yorkshire Philosophical Society, York.

HOLLAND.

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

ITALY.

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

RUSSIA.

The Natural-History Society, Dorpat.
 The Society of Sciences of Finland, Helsingfors.
 The Imperial Society of Naturalists, Moscow.
 The Entomological Society of Russia, St. Petersburg.
 The Imperial Academy of Sciences, St. Petersburg.

SCANDINAVIA.

The Society of Sciences of Christiania, Christiania.
 The Royal Danish Society of Sciences, Copenhagen.
 The Royal Academy of Sciences, Stockholm.
 The Royal Academy of Sciences, Upsala.

SPAIN.

The Royal Academy of Sciences, Madrid.

SWITZERLAND.

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

UNITED STATES OF AMERICA.

The Boston Society of Natural History, Boston.
 The New-York Academy of Sciences, New York.
 The Academy of Natural Sciences, Philadelphia.
 The American Philosophical Society, Philadelphia.
 The Entomological Society, Philadelphia.
 The Peabody Academy of Sciences, Salem, Mass.
 The Smithsonian Institution, Washington.
 The United-States Geological Survey, Washington.

d. *Zoological Record.*

The 26th volume of the 'Zoological Record,' containing a summary of the work done by British and Foreign Zoologists in 1889, was issued to the Subscribers in December last, and was thus published before the close of the year after that to which it relates.

3. LIBRARY.

The Library, under the superintendence of Mr. Waterhouse, the Librarian, has been kept in good working order during the past year, and has been much frequented by working zoologists.

Many important additions were made to the Society's Library in 1890, among which attention may be called to the following donations:—

- Atkinson. Notes on Indian Rhynchota. Heteroptera, Nos. 1, 2. 1887. Presented by the Author.
- Bartholini. Dissertatio de Cygni Anatome. 1668. Presented by Professor Alfred Newton.
- Boulenger. Catalogue of the Chelonians, Rhynchocephalians, and Crocodiles in the British Museum. New edition. 1889. Presented by the Trustees of the British Museum.
- Distant. A Monograph of the Oriental CICADIDÆ. Parts 1-3. 1889-90. Presented by the Trustees of the Indian Museum.
- Fatio. Faune des Vertébrés de la Suisse. Vols. iv., v. Histoire Naturelle des Poissons. 1890. Presented by the Author.
- Giglioli. Primo Resoconto dei risultati della Inchiesta Ornitologica in Italia. Parte secunda. Avifaune Locali. 1890. Presented by the Author.
- Gurney. Six Volumes of Zoological Pamphlets collected by the late John Henry Gurney. Presented by his son, John Henry Gurney, Esq.
- Hamilton. The River-side Naturalist. 1890. Presented by the Author.
- Hansen. Cirolanidæ et familiæ nonnullæ propinquæ Musei Havnensis. 1890. Presented by the Author.

- Hargitt. Catalogue of the Birds in the British Museum. Vol. xviii. 1890. Presented by the Trustees of the British Museum.
- Holub. Von der Capstadt ins Land der Maschukulumbe. Reisen im südlichen Afrika in den Jahren 1883-87. 2 vols. 1890. Presented by the Author.
- Journal of Comparative Medicine and Veterinary Archives. Vol. xi. Nos. 1-4, 6-12. Presented by the Editors.
- Lataste. Recherches de Zooéthèque sur les Mammifères de l'Ordre des Rongeurs. 1887. Presented by the Author.
- Lydekker. Catalogue of the Fossil Reptilia and Amphibia in the British Museum. Parts iii., iv. 1889-90. Presented by the Trustees of the British Museum.
- McCoy. Prodromus of the Zoology of Victoria. Decades xix., xx. 1889-90. Presented by the Government of Victoria.
- Norske Nordhavs-expedition, 1876-78. Part xix. Actinida. 1890. Presented by Prof. H. Mohn.
- North. Descriptive Catalogue of the Nests and Eggs of Birds found breeding in Australia and Tasmania. 1889. Presented by the Trustees of the Australian Museum.
- Parker. On the Morphology of the Duck and the Auk Tribes (Cunningham Memoirs, No. 5). Presented by the Royal Irish Academy.
- Pascoe. The Darwinian Theory of the Origin of Species. 1890. Presented by the Author.
- Przewalski. Wissenschaftliche Resultate der von N. M. Przewalski nach Central-Asien unternommen Reisen. Band ii. (*Vögel*), Lief. 1; iii., Abth. 2 (*Fische*), Lief. 2. Presented by the Imperial Academy of Sciences of St. Petersburg.
- Radde. Wissenschaftliche Ergebnisse der im Jahre 1886 allerhöchst befohlenen Expedition nach Transcaspian. Band i. Zoologie. 1890. Presented by the Author.
- Reid. Catalogue of the Birds in the Provincial Museum, N.W.P., and Oudh, Lucknow, on the 1st April, 1889. Presented by the Trustees of the Museum.
- Slater. Catalogue of the Birds in the British Museum. Vol. xv. 1890. Presented by the Trustees of the British Museum.
- Sharpe. Catalogue of the Birds in the British Museum. Vol. xiii. 1890. Presented by the Trustees of the British Museum.
- Spelman. A Descriptive Catalogue of W. W. Spelman's Collection of Birds shot in Norfolk and Suffolk. 1888. Presented by the Author.
- Steel. A Treatise on the Diseases of the Sheep. 1890. Presented by the Author.
- Studer. Die Forschungsreise S.M.S. "Gazelle" in den Jahren 1874 bis 1876. Theil iii. Zoologie und Geologie. 1889. Presented by the Author.
- Woodward. The Fossil Fishes of the Hawkesbury Series at Gosford. 1890. Presented by the Author.
- Woodward and Sherborn. A Catalogue of British Fossil Vertebrata. 1890. Presented by F. W. Justen, Esq.

The following is a list of the principal zoological works in course of publication of which parts were purchased in 1890:—

- André. Species des Hyménoptères. Fasc. 35, 36.
Annals and Magazine of Natural History. Ser. 6. Vols. v., vi.
Auk. Vol. vii.
Aurivillius. Nordens Fjärilar. Haftet 7, 8.
Bellardi. Catalogo generale dei Molluschi del Piemonte e della Liguria. Parts vi., vii.
Blasius and Hayek. Ornith. Jahrb. vi. Heft. 1-3.
Bronn's Thierreich. Band ii. Abth. iii. (*Echinodermen*), Lief. 5-9; Band iv. (*Vermes*), Lief. 12-17; Band v. Abth. ii. (*Arthropoda*), Lief. 25-28; Band vi. Abth. iii. (*Reptilien*), Lief. 67-69; Abth. iv. (*Vögel*), Lief. 28-34; Abth. v. (*Säugethiere*), Lief. 35, 36.
Buckton. Monograph of the British Cicadae. Parts 1-4.
Bucquoy, Dautzenberg, and Dollfus. Mollusques marins du Roussillon. Tome ii. Fasc. 4.
Carus. Prodrömus Faunæ Mediterraneæ. Vol. ii. Part 2.
Clessin. Die Mollusken-Fauna Oesterreich-Ungarns und der Schweiz. Lief. 5.
Dobson. A Monograph of the Insectivora. Part iii. Fasc. 1.
Doderlein. Manuale Ittiologico del Mediterraneo. Fasc. iv.
Edwards. Butterflies of North America. Ser. 3. Parts 9, 10.
Entomologist. Vol. xxiii. Nos. 320-331.
Entomologist's Monthly Magazine. Ser. 2. Vol. i. Nos. 1-12.
Entomologist's Record. Vol. i. Nos. 1-9.
Fauna und Flora des Golfes von Neapel. Monogr. xvii. Caprelliden. Fol. Recueil Zoologique Suisse. Tome v. No. 2.
Fowler. Coleoptera of the British Isles. Parts 36-44.
Gadeau de Kerville. Faune de la Normandie. Fasc. ii. Oiseaux.
Giglioli. Iconografia dell' Avifauna Italica. Fasc. xlv.
Godman and Salvin. Biologia Centrali-Americana. Zoology, Parts lxxxii.-xc.
Grandidier. Histoire de Madagascar. Vol. xxv. (*Mollusques*), Atlas, Part 1, Fasc. xxi. Vol. xxviii. (*Plantes*), Tome ii., Atlas i., Part 3, Fasc. xx.
Helmerson and Schrenck. Beiträge zur Kenntniss des Russischen Reiches. Folge 3. Band vii.
Hofmann. Die Raupen der Schmetterlinge Europas. Lief. 1-4.
Ibis. Ser. vi. vol. ii.
Journal für Ornithologie. Band xxxvii. Heft. 3, 4; xxxviii. Heft. 1, 2.
Kobelt. Rossmässler's Iconographie der europäischen Land- und Süßwasser-Mollusken. N. F. Band iv. Lief. 5, 6.
———. Iconographie der schalentragender europäischen Meeresconchylien. Heft. ix., x.
Korschelt and Heider. Lehrbuch der vergleichenden Entwicklungsgeschichte. Heft 1.
Leuckart and Chun. Bibliotheca Zoologica. Heft vi.
Lilford. British Birds. Parts xii.-xvi.
Lowne. Anatomy, Physiology, Morphology, and Development of the Blow-fly. Part 1.
Mabille and Vuillot. Novitates Lepidopterologicae. Fasc. i., ii.

- Marshall. Zoologische Vorträge. Heft. 5.
 Martini and Chemnitz. Conchylien-Cabinet. Lief. 373-381.
 Meinert. Entomologiske Meddelelser. Bind ii. Hefte 3, 4.
 Moore. Lepidoptera Indica. Parts 1-4.
 Mosley. Illustrations of Varieties of British Lepidoptera. Part 14.
 ——. Illustrations of European Butterflies. Part 46.
 ——. A History of British Birds. Nos. 59-65.
 Neumayr. Die Stämme des Thierreiches. Wirbellose Thiere.
 Band i.
 Oberthür. Études d'Entomologie. Livr. xiii.
 Olphe-Galliard. Contributions à la Faune Ornithologique de l'Europe
 Occidentale. Fasc. xiii., xx., xxi., xxx., xxxi., and xxxvi.
 Paetel. Catalog der Conchylien-Sammlung. Lief. xi.-xvi.
 Perrier. Traité de Zoologie. Fasc. i.
 Pleske. Ornithographia Rossica. Band ii. Lief. 2, 3.
 Pryer. Rhopalocera Nihonica. Part iii. (*completed*).
 Rippon. Icones Ornithopterorum. Parts 1, 2.
 Romanoff. Mémoires sur les Lépidoptères. Tome iv.
 Sarasin. Ergebnisse naturwissenschaftlicher Forschungen auf
 Ceylon. Band ii. Heft 4.
 Schiödte. Zoologia Danica. Heft 7.
 Seidlitz. Fauna Baltica. Die Käfer. Zweite Auflage. Lief. 5.
 Semper (C.). Reisen im Archipel der Philippinen. Theil ii. Band ii.
 Heft xvii.
 Sepp. Nederlandsche Insecten. Deel iv. Nos. 1-40.
 Sharpe and Wyatt. Monograph of the Hirundinidæ. Parts xi., xii.
 Smith and Kirby. Rhopalocera Exotica. Parts xi.-xiv.
 Spengel. Zoologische Jahrbücher. Band iv. (*Anat.*), Heft 2;
 iv. (*Systematik*), Heft 5; v. Heft. 1-3.
 Sundman. Finska Fogelägg. Häft. x.
 Taschenberg. Bibliotheca Zoologica ii. Lief. viii.
 Thomson. Opuscula Entomologica. Fasc. xiv.
 Tryon. Manual of Conchology. Parts xlii., xliiv., xliiv. a; xlv.,
 xlvi.; Ser. 2. Parts xviii., xx.-xxii.
 Tunisie. Exploration Scientifique de la Tunisie. Text, Part 1, and
 Atlas, Fasc. ii., Part 2. Mollusques fossiles.
 Twrdy. Die Schneckenfauna von Wien. Theil i.
 Vogt and Yung. Traité d'Anatomie Comparée. Livr. 15-17.
 ——. Lehrbuch der Anatomie. Band ii. Lief. 3-6.
 Waterhouse. Aid to the Identification of Insects. Part xxxi.
 Weber. Zoologische Ergebnisse einer Reise in Niederländisch Ost-
 Indien. Heft i.
 Westerlund. Fauna der in der Paläarctischen Region lebenden
 Binnenconchylien. Parts 1, 2, 6, 7, and Register.
 Zittel. Handbuch der Paläontologie. Abth. i. Band iii. Lief. 3, 4;
 Abth. ii. Lief. 8, 9.
 Zoe. Vol. i. Nos. 1-8.
 Zoologist. Ser. 3, vol. xiv.

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

- American Monthly Magazine. 4 vols. 8vo. 1817-18.
 Baker. Wild Beasts and their Ways. 2 vols. 8vo. 1890.

- Brown. Elephant-catching in Mysore. 4to. 1890.
- Christy. The Birds of Essex. 8vo. 1890.
- Coues. Handbook of Field and General Ornithology. 8vo. 1890.
- Dana. Corals and Coral Islands. 3rd edition. 8vo. 1890.
- Ecker. The Anatomy of the Frog. Translated by George Haslam. 8vo. 1889.
- Eimer. Organic Evolution. Translated by J. T. Cunningham. 8vo. 1890.
- Esper. Die Schmetterlinge in Abbildungen nach der Natur, mit Beschreibungen. Europäische Gattungen. 5 vols. in 8. 4to. 1777-94.
- Fauna of British India. Birds. Vol. i. By Eugene W. Oates. 8vo. 1889.
- Fritsch. Die elektrischen Fische. Abth. 2. Folio, 1890.
- "Gazelle." Die Forschungsreise S.M.S. 'Gazelle' in den Jahren 1874 bis 1876. 5 vols. 4to. 1888-90.
- Graham. The Birds of Iona and Mull. 8vo. 1890.
- Gundlach. Contribucion á la Mamalogia Cubana. Royal 8vo. 1877.
- . Contribucion á la Erpetologia Cubana. Royal 8vo. 1880.
- . Contribucion á la Entomologia Cubana. Royal 8vo. 1881.
- Hume. Nests and Eggs of Indian Birds. 2nd edition, by Eugene W. Oates. Vols. ii., iii. 8vo. 1889-90.
- Jablonsky and Herbst. Natursystem alle bekannten in- und ausländischen Insekten. Der Schmetterlinge. Text, 11 vols. 8vo. Atlas, 2 vols. 4to. 1783-1804.
- Jahrbücher Nassauischen Vereins. Jahrg. 3-41. 8vo. 1846-88.
- Jelly. A Synonymic Catalogue of the Recent Marine Polyzoa. 8vo. 1889.
- Kirby. A Synonymic Catalogue of Neuroptera Odonata or Dragonflies. 8vo. 1890.
- Kuster und Kraatz. Die Käfer Europas. Heft. i.-xxix. 12mo. 1844-73.
- Lumholtz. Among Cannibals. 8vo. 1889.
- McCook. American Spiders and their Spinningwork. Vols. i., ii. 4to. 1889-90.
- Marshall and Niceville. The Butterflies of India, Burmah, and Ceylon. Vol. iii. Royal 8vo. 1890.
- Mémoires de la Société d'Histoire Naturelle de Strasbourg. Vols. i., ii., iv. 4to. 1830-50. [To complete the Society's set.]
- Mocsáry. Monographia Chrysididarum. 4to. 1889.
- Motschulsky. Études Entomologiques. Ann. i.-xi. 8vo. 1853-62.
- Murray. The Avifauna of British India. 2 vols. 8vo. 1887-90.
- . The Edible and Game Birds of British India. Small 4to. 1889.
- Nicholson and Lydekker. Manual of Palæontology. 2 vols. 8vo. 1889.
- Pidsley. The Birds of Devonshire. 8vo. 1891.
- Rang and Souleyet. Histoire Naturelle des Mollusques Ptéropodes. Small folio. 1852.
- Schiner. Fauna Austriaca. Die Fliegen. 2 vols. 8vo. 1862-64.
- Seebohm. The Birds of the Japanese Empire. Royal 8vo. 1890.
- . Classification of Birds. Royal 8vo. 1890.
- Shufeldt. The Myology of the Raven. 8vo. 1890.
- Silbermann. Revue Entomologique. 5 vols. 8vo. 1833-37.
- Stanley. In Darkest Africa. 2 vols. 8vo. 1890.

- Stevenson. The Birds of Norfolk. Vol. iii. 8vo. 1890.
 Thompson. Natural History of Vermont. 8vo. 1853.
 Weymer and Maassen. Lepidopteren gesammelt auf einer Reise durch Colombia, Ecuador, Perú, Brasilien, Argentinien und Bolivien in den Jahren 1868-1877 von Alphons Stübel. Folio, 1890.
 Zeitschrift für Malakozoologie. Jahrg. i.-x. 8vo. 1845-53.

The following is a list of the periodicals received in 1890 from the various Societies and Institutions with which this Society is in correspondence.

AMERICA (NORTH).

The New York State Library, Albany.

- Annual Report, 72.
 Annual Reports of the Museum, 42, 43.

The American Academy of Arts and Sciences, Boston.

- Proceedings, n. s., vol. xv., part 2, and xvi.

The Boston Society of Natural History, Boston.

- Proceedings, vol. xxiv.
 Memoirs, vol. iv., parts 7-9.

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

- Bulletin, vol. xvi., nos. 6-9; xvii., no. 6; xix., nos. 1-4; and xx., nos. 1-3.
 Memoirs, vol. xvi., no. 3; xvii., no. 1, part 3.
 Annual Report, 1888-89.

The Nova Scotia Institute of Natural Science, Halifax.

- Proceedings and Transactions, vol. vii., part 3.

The Wisconsin Academy of Sciences, Arts, and Letters, Madison.

- Transactions, vol. vii.

The "Antonio Alzate" Scientific Society, Mexico.

- Memorias, tomo ii., cuad. 12; iii. and iv., cuad. 1, 2.

The Geological and Natural History Survey of Minnesota, Minneapolis.

- Annual Report, 17.
 Bulletin, nos. 1-5.

The Minnesota Academy of Natural Sciences, Minneapolis.
Bulletin, vol. iii., no. 1.

The Royal Society of Canada, Montreal.
Proceedings and Transactions, vol. vii.

The New York Academy of Sciences, New York.
Annals, vol. iv., no. 12; v., nos. 1-3.
Transactions, vol. viii., nos. 5-8; ix., nos. 1, 2.

The Academy of Natural Sciences, Philadelphia.
Proceedings, 1889, part 3; 1890, part 1.

The American Entomological Society, Philadelphia.
Transactions, vol. xvi., no. 4; xvii., nos. 1, 2.
Entomological News, vol. i., nos. 1-6.

The American Philosophical Society, Philadelphia.
Proceedings, vol. xxvi., no. 130; xxvii., no. 131; xxviii.,
nos. 132, 133.
Transactions, vol. xvi., part 3.

The Franklin Institute, Philadelphia.
Journal, 1890.

The American Association for the Advancement of Science,
Salem.
Proceedings, 38th Meeting, Toronto, 1889.

The Biological Society, Washington.
Proceedings, vol. v.

The Smithsonian Institution, Washington.
Annual Reports, 1886, part 2; 1889, parts 1, 2.
Annual Reports of the Bureau of Ethnology, 5, 6.
Smithsonian Contributions to Knowledge, vol. xxvi.

The United States Geological Survey, Washington.
Bulletin, nos. 48-57.
Monographs, 13-16.
Annual Reports, 7, 8.

The United States National Museum, Washington.

Bulletin, nos. 33-38.

Proceedings, vol. xii.; xiii., nos. 773-777, 779-787, 789-828.

The Natural History Society, Wisconsin.

Occasional Papers, vol. i., no. 3.

AMERICA (SOUTH).**The National Academy of Sciences of Cordoba, Buenos Ayres.**

Boletin, x., entr. 3.

The National Museum of Buenos Ayres.

Anales, tomo iii., entr. 4.

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

Transactions, Proceedings, and Report, vol. xii.; xiii., part 1.

The Royal Society of Tasmania, Hobart.

Papers and Proceedings for 1889.

The Zoological and Acclimatization Society of Victoria, Melbourne.

Annual Report, 1889.

The Australian Museum, Sydney.

Records, vol. i., nos. 1-3.

The Linnean Society of New South Wales, Sydney.

Proceedings, ser. 2, vol. iv., parts 3, 4; v., part 1.

The Royal Society of New South Wales, Sydney.

Journal and Proceedings, vol. xxiii., parts 1, 2.

Catalogue of the Library, part 1.

The New-Zealand Institute, Wellington.

Transactions and Proceedings, vol. xxii.

AUSTRIA.

The Academy of the University, Cracow.

Bulletin, 1889, no. 10; 1890, nos. 1-9.

The Zoological and Botanical Society, Vienna.

Verhandlungen, Band xxxix., Quartal. 3, 4; xl., Quartal. 1, 2.

BELGIUM.

The Entomological Society of Belgium, Brussels.

Annales, tomes xxxii., xxxiii.

The Royal Malacological Society, Brussels.

Annales, tome xxiv.

Procès-Verbaux, 1889, pp. cxxxiii-ccxvi; 1890, pp. i-lxxxviii.

EAST INDIES.

The Royal Society of the Dutch East Indies, Batavia.

Natuurkundig Tijdschrift, deel xlix.

The Bombay Natural-History Society, Bombay.

Journal, vol. iv., nos. 3, 4; v., nos. 1-3.

The Asiatic Society of Bengal, Calcutta.

Proceedings, 1889, nos. 7-10; 1890, nos. 1-3.

Journal, vol. lvii., part 2, no. 5; lviii., part 2, nos. 2-4 and Supplements; lix., part 2, no. 1 and Supplement 1.

The Geological Survey of India, Calcutta.

Records, vol. xxii., part 4; xxiii., parts 1-3.

Memoirs, vol. xxiv., part 2.

Memoirs (Palæontologia Indica), ser. 13, vol. iv., part 1.

The Royal Asiatic Society, Ceylon Branch, Colombo.

Journal, vol. ii., part 2; no. 5 (reprint); x., nos. 34-36.

FRANCE.

The Linnean Society of Normandy, Caen.

Bulletin, sér. 4, tomes 2, 3.

The Entomological Society, Paris.

Annales, sér. 6, tome ix.

The Museum of Natural History, Paris.

Nouvelles Archives, sér. 2, tome x., fasc. 2; sér. 3, tome i., fasc. 1, 2; ii., fasc. 2.

The National Society of Acclimatation, Paris.

Revue des Sciences Naturelles appliquées, 1890, nos. 1-24.

The Philomathic Society, Paris.

Bulletin, sér. 8, tome i., nos. 3, 4; ii., nos. 1-3.

The Natural History Society, Toulouse.

Bulletin, 1889, Jan.-Juin.

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

Sitzungsberichte, 1889, nos. 39-53; 1890, nos. 1-40.
Abhandlungen, 1889.

The Society of Friends of Natural History, Berlin.

Sitzungs-Berichte, 1889.

The New Zoological Society, Frankfort a. M.

Der Zoologische Garten, Jahr. xxx., no. 12; xxxi., nos. 1-11.

The Senckenbergian Natural History Society, Frankfort a. M.

Abhandlungen, Band xvi., Heft 1.
Bericht, 1889.

The Royal Society of Sciences, Göttingen.

Nachrichten, 1889.
Abhandlungen, Band xxxv.

The Natural History Museum, Hamburg.

Mittheilungen, Jahr. vi., vii.

The Natural History Union, Hamburg.

Abhandlungen, Band xi., Heft 1.

The Medical and Natural-History Society, Jena.

Jenaische Zeitschrift, Band xxiv.

The Academy of Metz.

Mémoires, ann. lxxviii.

The Royal Bavarian Academy of Sciences, Munich.

Abhandlungen, Band xvii., Abth. 1.

Sitzungsberichte, 1889, Heft. 2, 3; 1890, Heft. 1-3.

The Westphalian Provincial Union of Science and Art,
Münster.

Jahresbericht, xvii.

The Natural-History Union, Würtemberg.

Jahreshefte, Jahrg. xlvi.

GREAT BRITAIN AND IRELAND.

The Natural-History and Philosophical Society, Belfast.

Report and Proceedings, Session 1889-90.

The Philosophical Society, Birmingham.

Proceedings, vol. vii., part 1.

The Essex Field Club, Buckhurst Hill, Essex.

The Essex Naturalist, vol. iii., nos. 10-12; iv., nos. 1-9.

The Philosophical Society, Cambridge.

Proceedings, vol. vii., parts 1, 2.

The Royal Dublin Society, Dublin.

Scientific Proceedings, n. s., vol. vi., parts 7-9.

The Royal Irish Academy, Dublin.

Proceedings, ser. 3, vol. i., nos. 2, 3.

Transactions (Science), vol. xxix., parts 12, 13.

"Cunningham Memoirs," nos. v., vi.

- The Museum of Zoology, University College, Dundee.
Studies, vol. i., nos. 6-12.
- The Royal College of Physicians, Edinburgh.
Reports from the Laboratory, vol. ii.
- The Royal Physical Society, Edinburgh.
Proceedings, Session 1888-89, vol. x., part 1.
- The Royal Society, Edinburgh.
Proceedings, vols. xv., xvi., xvii., parts 1-5.
Transactions, vol. xxxiii., part 3; xxxv., parts 1-4.
- The Hertfordshire Natural-History Society, Hertford.
Transactions, vol. v., parts 6-9; vi., parts 1, 2.
- The Philosophical and Literary Society, Leeds.
Annual Report, 1889-90.
- The Literary and Philosophical Society, Liverpool.
Proceedings, nos. xli.-xliii.
- The British Association for the Advancement of Science,
London.
Report, 59th Meeting, Newcastle-upon-Tyne, 1889.
- The Entomological Society, London.
Transactions, 1889, part 4; 1890, parts 1-3.
- The Geological Society, London.
Quarterly Journal, vol. xlvi.
- The Linnean Society, London.
Journal (Zoology), vol. xx., nos. 124, 125; xxiii., nos. 145, 146.
— (Botany), vol. xxv., no. 172; xxvi., nos. 174, 175; xxvii.,
nos. 181-186; xxviii., nos. 189-192.
- The Quekett Microscopical Club, London.
Journal, ser. 2, vol. iv., nos. 26, 27.

- The Royal Agricultural Society of England, London.
Journal, ser. 3, vol. i., parts 1-3.
General Index to 2nd series.
- The Royal Gardens, Kew, London.
Bulletin, 1890, nos. 37-48; Appendix 1-3.
- The Royal Geographical Society, London.
Proceedings, vol. xii.
- The Royal Horticultural Society, London.
Journal, vol. xii., parts 1-3.
- The Royal Institution of Great Britain, London.
Proceedings, vol. xii., part iii.
- The Royal Society, London.
Proceedings, vol. xlvi., nos. 284, 285; xlvii.; xlviii., nos. 292-294.
Philosophical Transactions, vol. 177, part 2; 179 (B); 180 (B).
- The Royal United Service Institution, London.
Journal, 1890.
- The Selborne Society, London.
Nature Notes, nos. 1-12.
- The Society of Arts, London.
Journal, 1890.
- The Literary and Philosophical Society, Manchester.
Memoirs and Proceedings, ser. 4, vol. iii.
- The Owens College, Manchester.
Studies from the Biological Laboratories, vol. ii.
- The Tyneside Naturalists' Field Club, Newcastle.
Natural History Transactions, vol. x., part 2.

The Marine Biological Association, Plymouth.

Journal, n. s., nos. 3, 4.

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

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

The Royal Institution of Cornwall, Truro.

Journal, vol. x., part i.

The Yorkshire Philosophical Society, York.

Annual Report, 1889.

HOLLAND.

The Royal Academy of Sciences, Amsterdam.

Verhandelingen, deel xxvii.

Verslagen en Mededeelingen (Natuurkunde), derde reeks,
deel. vi., vii.; (Letterkunde), derde reeks, deel vi.

Jaarboek, 1889.

The Dutch Society of Sciences, Haarlem.

Archives Néerlandaises, tome xxiv., livr. 1-3.

The Entomological Society of the Netherlands, The Hague.

Tijdschrift voor Entomologie, deel xxxiii., afl. 1, 2.

ITALY.

The National Central Library, Florence.

Bollettino, 1890, num. 107-120.

The Civic Museum of Natural History, Genoa.

Annali, ser. 2, vols. vii.-ix.

The Italian Society of Natural Sciences, Milan.

Atti, vols. xxxi., xxxii.

The Zoological Station, Naples.

Mittheilungen, Band ix., Heft 3.

The Royal Academy of the Lincei, Rome.

Rendiconti, ser. 4, vol. v., sem. 2, fasc. 7-13; vi., sem. 1, fasc. 1-12; sem. 2, fasc. 1-9.
 Memorie, ser. 4, vol. v.

The Royal Academy of Physical Science, Siena.

Atti, ser. 4, vol. i., fasc. 10; ii., fasc. 1-8.

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

Bollettino, vol. iv., nos. 67-73; v., nos. 74-86.

The Royal Academy of Sciences, Turin.

Atti, vol. xxv., disp. 1-15.
 Memorie, ser. 2, tomo xl.

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

Journal of the College of Science, vol. iii., parts 3, 4.
 Calendar, 1889-90.

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

Jornal, ser. 2, tomo i., nos. 3, 4.

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

Sitzungsberichte, Band ix., Heft 1.
 Schriften, v.

The Society of Sciences of Finland, Helsingfors.

Öfversigt, vol. xxxi.
 Bidrag, vol. xlviii.

The Imperial Society of Naturalists, Moscow.

Bulletin, 1889, nos. 3, 4; 1890, nos. 1, 2.

The Royal Academy of Sciences, St. Petersburg.

Mémoires, sér. 7, tome xxxvii., nos. 2-13; xxxviii., no. 1.

SCANDINAVIA.**The Natural-History Society, Copenhagen.**

Videnskabelige Meddelelser, aarat 1889.
Festskrift, 1833-83.

The Royal Danish Society of Sciences, Copenhagen.

Oversigt, 1889, nos. 2, 3; 1890, no. 1.
Mémoires, sér. 6, vol. v., nos. 1, 2; vi., no. 1.

The Royal Society of Sciences, Upsala.

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

SPAIN.**The Spanish Natural-History Society, Madrid.**

Anales, tomo xviii., cuad. 3.

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

Mémoires, tome xxx., part 2.

The Vaudois Society of Sciences, Lausanne.

Bulletin, sér. 3, vol. xxv., nos. 100, 101.

The Natural Science Society, St. Gall.

Bericht, 1887-88.

The Natural-History Society, Zurich.

Vierteljahrschrift, Jahr. xxxiv., Heft. 3, 4; xxxv., Heft 1.

Donations, Memoirs, and Papers have also been received from :—the Editors of the 'American Journal of Science'; the Editors of the 'American Naturalist'; the Editors of the 'Archiv für Naturgeschichte'; the Editors of the 'Athenæum'; E. T. Atkinson, Esq.; the Australian

Museum; the South Australian Zoological and Acclimatisation Society; Prof. W. Blasius; John Brazier, Esq.; the British Museum; Mons. Charles Brongniart; W. H. Brown, Esq.; Montagu Browne, Esq.; the California State Mining Bureau; the Geological and Natural History Survey of Canada; Prof. G. Canestrini; the Carlos Ribeiro Society, Oporto; the Colorado Biological Association; the Congrès International de Zoologie; W. H. Dall, Esq.; Dr. A. Dubois; the East India Association; A. H. Everett, Esq.; Prof. Carl Gegenbaur; Dr. G. Brown Goode; R. J. L. Guppy, Esq.; Dr. Ernst Haeckel; Dr. J. Lawrence-Hamilton; the India Office; the Indian Museum; J. E. Ives, Esq.; the Editors of the 'Journal de Conchyliologie'; Prof. A. Kölliker; the La Plata Museum; Mons. F. Lataste; the Government Central Museum, Madras; Prof. O. C. Marsh; Dr. G. Martorelli; the Geological and Natural History Survey of Minnesota; Prof. K. Möbius; the Editors of 'The Monist'; the Editors of 'The Naturalist'; the Editors of 'Nature'; the Zoological Society of New South Wales; the Colonial Museum and Geological Survey of New Zealand; the Nottingham Naturalists' Society; C. G. J. Petersen, Esq.; the Zoological Society of Philadelphia; the Royal College of Physicians, London; Bernard Quaritch, Esq.; the Queensland Government; the Editors of the 'Revue Britannique'; Prof. L. Rüttimeyer; the Salford Museum; P. L. Sclater, Esq.; Dr. R. W. Shufeldt; S. W. Silver, Esq.; the Smithsonian Institution; Dr. Michele Stossich; Prof. D'Arcy W. Thompson; the United States Department of Agriculture; the United States Fish Commission; the Victoria Institute; F. H. Waterhouse, Esq.; A. Smith Woodward, Esq.; and Dr. A. Wrzéniewski.

4. STAFF.

The staff on the books at the Office, 3 Hanover Square, consists of an Accountant, 4 Clerks, a Librarian, a House-keeper, and a Messenger. Besides these, there are an Engineer and two Housemaids employed at weekly wages.

III. GARDENS, REGENT'S PARK.

1. WORKS AND REPAIRS.

The repairs and improvements of the Monkey-house commenced in 1889, as mentioned in the Council's Report for last year, were completed in the summer of 1890. The window-frames of this building, being found defective, were replaced, and the windows were reglazed; new gutters and down-pipes were affixed to the exterior; the whole building, both inside and outside, was repaired and painted, and the cages were cleaned and rearranged. The cost of these works, amounting altogether to £230 4s. 6d. in 1890, was charged to extraordinary expenditure, as already mentioned. Besides this, the sum of £2474 16s. 4d. was spent on wages for the staff of workmen and on materials for ordinary repairs at the Gardens in 1890. The work thus effected comprised the following particulars:—

The repairing, boarding, and painting of the Deer-sheds in the Middle Garden.

The painting of the Iron Bridge over the Canal.

The building of concrete pillars on the banks of the Canal, to stop slips, and of new drains to carry rain-water away from the slips.

The repairs of the roof of the Lecture-room and making new sky-lights.

The general repairs of the Zebra-house and Hippopotamus-house.

The fixing of a new boiler in the Lion-house.

The repairing and painting throughout of the interior of the Reptile-house.

Besides these principal repairs many of the walks and roads were relaid and regravelled, and a large quantity of clay was burnt into ballast on the north bank of the Canal.

2. STAFF.

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

It consists of a Superintendent and Assistant Superintendent, a Head Keeper and twenty-three Keepers, three Money-takers, a Store-keeper, Cook, a Prosector's Assistant, and a Head Gardener—altogether 33 persons employed at monthly salaries. Besides these there are 23 Helpers in the Menagerie, 12 Garden-labourers, 7 Artisans, 6 Painters, 7 Labourers, 1 Butcher, 2 Firemen, 2 Night-Watchmen, and 1 Time-keeper employed at weekly wages; so that the number of the whole staff may be reckoned at about ninety-four persons.

3. VISITORS.

The number of visitors to the Society's Gardens in 1890 was 640,987. The corresponding number in 1889 was 644,579, showing a slight decrease of 3,592 entrances. A comparison between the different categories into which the visitors are divided is given in the subjoined Table.

Visitors to the Gardens.

	1890.	1889.	Comparison.	
Fellows and Friends	173,575	167,984	Incr. 5,591	
Paying {	On ordinary days at 1s. each...	142,058	154,064	Decr. 12,006
	On Mondays and other days	243,077	224,819	Incr. 18,258
	at 6d. each			
Children under 12 years at 6d. each	46,342	61,248	Decr. 14,906	
School Children (admitted free)	35,935	36,464	Decr. 529	
	640,987	644,579	Decr. 3,592	

The next Table contains a statement of the Number of Visitors to the Society's Gardens in every year, from the year 1828 to the year 1890.

Number of Visitors to the Gardens, 1828-90.

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

* Year of the Great Exhibition.

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

4. PROSECTOR'S DEPARTMENT.

The Prosector (Mr. Beddard) reports as follows:—

The deaths during the year 1890 numbered 811, being less than the deaths of the previous year by 28.

The most important death during the year was the male Thylacine, one of a pair purchased by the Society

on Nov. 14, 1884. Some notes upon the anatomy of this Marsupial have been communicated by the Prosector to the Society, and will appear in the 'Proceedings' for 1891. Besides the Thylacine the following deaths are perhaps the most noteworthy:—On April 24 a Grizzly Bear; on July 31 an Australian Cassowary; and on Dec. 12 a Common Crane, which was bred in the Gardens, June 23, 1863, and had thus lived nearly twenty-eight years.

During the spring Dr. Bardeleben carried on some investigations in the laboratory, and Mr. Finn has made much use of one of the smaller rooms for the purpose of studying the anatomy of birds.

Material has been supplied to Prof. Flower, C.B., Mr. Vincent Harris, and Dr. Jentink.

5. ZOOLOGICAL LECTURES.

The arrangements for the Lectures on zoological subjects for the present year are as follows:—

A course of six Lectures will be delivered in the Lecture-room in the Society's Gardens, Regent's Park, on Thursdays, at 5 P.M., commencing May 23rd, by Mr. F. E. Beddard, M.A., Prosector to the Society. *Subject: THE ANIMALS LIVING IN THE ZOOLOGICAL SOCIETY'S GARDENS.*

The Fee for the Course (including admission to the Gardens on the days of Lecture) is 5s. The Course is free to Fellows of the Society. Tickets for it may be obtained from Mr. F. E. Beddard, Zoological Society's Gardens, Regent's Park, N.W.

6. MENAGERIE.

a. *Additions to the Menagerie in 1890.*

The number of animals belonging to the first three classes of Vertebrates living in the Society's Menagerie at the close of 1890 was 2256. The corresponding number on the 31st of December, 1889, was 2232, as will be seen by the following Table:—

	December 31.		Comparison.
	1890.	1889.	
Quadrupeds.....	693	519	Incr. 174
Birds	1,273	1,411	Deer. 138
Reptiles	290	302	Deer. 12
	2,256	2,232	Incr. 24

The total number of registered additions to the Menagerie in 1890 was 1064, of which 578 were acquired by presentation, 215 by purchase, 154 were bred in the Gardens, 94 were received on deposit, and 23 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.
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
1883.	637	376	128	219	28	1388
1884.	646	524	174	229	133	1706
1885.	762	251	241	135	62	1451
1886.	851	236	171	232	48	1538
1887.	600	176	138	135	86	1135
1888.	572	143	158	216	32	1121
1889.	581	242	118	164	35	1140
1890.	578	215	154	94	23	1064

The following is a list of the principal additions made to the Menagerie during the year 1890:—

1. A male Grey Hypocolius (*Hypocolius ampelinus*), presented March 3rd by W. D. Cumming, Esq., Curator of the Museum of Kurachi. This is no doubt the first example of this rare Passerine form that has reached Europe alive.

2. Two Mantchurian Cranes (*Grus viridirostris*), presented by C. W. Campbell, Esq., of H.B.M.'s Consular Service, Corea, March 31st. Although not new to the Society's Collection (as the species has bred in the Gardens, and a young one was hatched out in June 1861), these fine birds are yet of sufficient interest to be worthy of inspection. Mr. Campbell tells us that this Crane is common in Corea in the winter season.

3. Two specimens of Simony's Lizard (*Lacerta simonyi*) from the lonely rock of Zalmo, near the island of Ferro, Canaries, a rare Lizard only known from this spot, and said to feed on crabs. These Lizards were obtained by Canon Tristram, F.R.S., during his recent visit to the Canaries, and presented to the Society by Lord Lilford.

4. A pair of the Hartebeest Antelope (*Alcelaphus caama*), obtained by purchase May 5th. Like most of the South-African Antelopes, this species is now becoming very scarce. We have had no specimens of it in the Society's Gardens for the past ten years.

5. A pair of Beatrix Antelopes (*Oryx beatrix*), presented by Col. E. C. Ross, C.S.I., H.B.M.'s Consul-General at Bushire. This Arabian representative of the Antelopes of the genus *Oryx* is a scarce and little-known animal, and we are much indebted to Col. Ross for the present pair.

6. Two Swainson's Long-tailed Jays (*Calocitta formosa*), purchased May 24th. In 1877 we had a single specimen of this fine Corvine Bird in the Society's Aviaries. The present examples have been acquired from the Jardin d'Acclimatation in Paris.

7. A young male example of the Wild Cattle of Chartley Park, Staffordshire, presented by Earl Ferrers. This is the first example of any of the original breeds of English Wild Cattle that has been exhibited in the Society's Gardens.

8. A young male Water-buck Antelope (*Cobus ellipsiprymnus*) from Kisumayu, on the Somali coast, E. Africa, presented by George S. Mackenize, Esq., F.Z.S. This is the first example of the Water-buck that has been received by the Society for many years.

9. A Common Bee-eater (*Merops apiaster*), purchased Sept. 15th, being the first example of any species of the family Meropidæ that we have received alive.

10. A young example of the Horned Screamer (*Palamedea cornuta*), purchased Sept. 20th. Of this rare bird no example has been received in London since the specimen presented by Lord Harris in 1851, which lived for some time in the Gardens.

11. A young female of Speke's Antelope (*Tragelaphus spekii*), presented by James A. Nicolls, Esq., October 14th, being the first specimen of this rare and little-known Antelope that has reached England alive. The specimen was captured in the marshes north of Lake Ngami by Mr. Nicolls and his companions, and was carried in their waggons 800 miles to Kimberley, whence it was brought to this country.

12. A young example of the scarce carnivorous animal known as the "Fossa" in Madagascar (*Cryptoprocta ferox*), new to the Collection, purchased November 12th.

b. *List of Species new to the Collection exhibited during the year 1890.*

The following list contains the specimens exhibited in 1890 which are referable to species not included in the last (eighth) edition of the List of Animals.

i. MAMMALS.

- 15 a. *Colobus ferrugineus* (Shaw). Bay Colobus.
Hab. West Africa.
 1. Female. Purchased, Oct. 16, 1890. See P. Z. S. 1890, p. 590, pl. xlviii.
- 193 a. *Cryptoprocta ferox*, Bennett. Bennett's Cryptoprocta.
Hab. Madagascar.
 1. Purchased, Nov. 12, 1890.
- 200 a. *Herpestes fulvescens*, Kelaart. Brown Ichneumon.
Hab. Ceylon.
 1, 2. Purchased, Sept. 29, 1890.
- 424 a. *Lepus macrotis*, Hodgson. Large-eared Hare.
Hab. India.
 1, 2. Presented by W. L. Sclater, Esq., F.Z.S., May 12, 1890.
- 459 a. *Tragelaphus spekii*, Scl. Speke's Antelope.
Hab. Interior of South Africa.
 1. Female. Presented by James A. Nicolls, Esq., F.Z.S., Oct. 14, 1890. See P. Z. S. 1890, p. 590, pl. xlvii.
- 481 a. *Cervicapra redunca* (Pallas). Nagor Antelope.
Hab. Gambia, West Africa.
 1. Male. Presented by Dr. Percy Rendall, F.Z.S., June 23, 1890.

482 a. *Cobus ellipsiprymnus* (Ogilby). Water Buck.
Hab. E. Africa.

1. Male. Presented by George S. Mackenzie, Esq.,
 F.Z.S., June 30, 1890. See P. Z. S. 1890, p. 589.

ii. BIRDS.

57 a. *Anthus spipoletta* (Linn.). Water Pipit.
Hab. Europe.

1. Presented by Commander W. M. Latham, R.N., F.Z.S.,
 Aug. 17, 1890.

74 a. *Garrulax pectoralis* (Gould). Black-gorgeted Jay
 Thrush.

Hab. India.

1, 2. Purchased, April 14, 1890.

86 a. *Hypocolius ampelinus*, Bp. Grey Hypocolius.
Hab. Scinde.

1. Male. Presented by W. D. Cumming, Esq., March 3,
 1890. See P. Z. S. 1890, p. 147, pl. xv.

88 a. *Lanius lahtora* (Sykes). Indian Grey Shrike.
Hab. India.

1. Purchased, Nov. 3, 1890.

136 a. *Estrela granatina* (Linn.). Grenadier Waxbill.
Hab. West Africa.

1-6. Males; 7. Female. Presented by T. W. Bacon, Esq.,
 Jan. 10, 1890.

140 a. *Estrela cyanogastra*, Sharpe. Blue-breasted
 Waxbill.

Hab. West Africa.

1-5. Presented by T. W. Bacon, Esq., Jan. 10, 1890.

184 a. *Pyromelana aurea* (Gmel.). Golden-backed
Weaver-bird.

Hab. Benguela, W. Africa.

1, 2. Presented by T. W. Bacon, Esq., Jan. 10, 1890.

197 a. *Hyphantornis brachyptera* (Swains.). Short-winged
Weaver-bird.

Hab. South Africa.

1. Presented by Commander W. M. Latham, R.N., F.Z.S.,
April 5, 1890.

2. Presented by Commander W. M. Latham, R.N., F.Z.S.,
Nov. 3, 1890.

256 a. *Sycalis arvensis* (Kittl.). Field Saffron-Finch.

Hab. Chili.

1, 2. Received in exchange, March 26, 1890.

362 a. *Corvus dauricus*, Pall. Black-and-white Jackdaw.

Hab. Mantchuria.

1. Presented by Mons. J. de la Touche, July 1, 1890.

363 a. *Corvultur albicollis* (Lath.). White-necked Raven.

Hab. South Africa.

1. Presented by — Marshall, Esq., Jan. 17, 1890.

374 a. *Cyanocitta coronata* (Swains.). Crowned Jay.

Hab. Mexico.

1, 2. Purchased, May 24, 1890.

455 a. *Merops apiaster*, Linn. Common Bee-eater.

Hab. Europe.

1. Purchased, Sept. 15, 1890. See P. Z. S. 1890, p. 589.

731 a. *Athene plumipes*, Swinh. Feathery-footed Owl.

Hab. Mantchuria.

1. Presented by Mons. J. de la Touche, July 1, 1890.

777a. *Polioaëtus plumbeus* (Hodgs.). Plumbeous Fish-Eagle.

Hab. Himalayas.

1. Purchased, March 12, 1890.
2. Purchased, July 1, 1890.

786a. *Nisaëtus spilogaster* (Bp.). African Hawk-Eagle.

Hab. South Africa.

1. Presented by W. H. Wormald, Esq., July 12, 1890.
From East London, Cape Colony.

939. *Palamedea cornuta*, Linn. Horned Screamer.

Hab. Amazonia.

1. Purchased, Sept. 29, 1890. See P. Z. S. 1890, p. 589.

iii. REPTILES.

86a. *Alligator sinensis*, Fauvel. Chinese Alligator.

Hab. China.

- 1, 2. Presented by D. C. Jansen, Esq., Aug. 26, 1890.
See P. Z. S. 1890, p. 619.

110a. *Varanus flavescens* (Gray). Yellowish Monitor.

Hab. India.

1. Presented by Capt. W. J. Rule, Aug. 5, 1890.

117a. *Lacerta simonyi*, Steindachner. Simony's Lizard.

Hab. Rock of Zalmo, Canaries.

- 1, 2. Presented by the Lord Lilford, F.Z.S., April 8, 1890.
3. Deposited, April 8, 1890. See P. Z. S. 1890, p. 354.

124a. *Nucras delalandii* (M.-Edw.). Delalande's Lizard.

Hab. South Africa.

1. Presented by H. A. Spencer, Esq., July 18, 1890.
From Port Elizabeth.

- 133 a. *Mabuia homalocephala* (Wiegman). Smooth-headed Lizard.
Hab. South Africa.
 1. Presented by the Rev. G. H. R. Fisk, C.M.Z.S., Dec. 8 1890.
- 151 a. *Amphibolurus muricatus* (White). Muricated Lizard.
Hab. Australia.
 1-3. Received in exchange, April 23, 1890.
- 154 a. *Agama hispida* (Linn.). Hispid Lizard.
Hab. South Africa.
 1. Presented by H. A. Spencer, Esq., July 18, 1890.
 From Port Elizabeth.
- 217 a. *Coronella anomala*, Günther. Anomalous Snake.
Hab. South America.
 1. Presented by E. Derrett, Esq., May 22, 1890.
- 238 a. *Pituophis melanoleucus* (Daud.). Pied Snake.
Hab. New Jersey, U. S. A.
 1, 2. Presented by R. Morton Middleton, Esq., F.Z.S., Dec. 7, 1890.

iv. BATRACHIANS.

- 1 a. *Rana latasti*, Boulenger. Lataste's Frog.
Hab. Italy.
 1, 2. Presented by G. A. Boulenger, Esq., F.Z.S., April 15, 1890.
- 29 a. *Xenopus laevis* (Daud.). Smooth Clawed Frog.
Hab. South Africa.
 1-8. Presented by the Rev. G. H. R. Fisk, C.M.Z.S., Jan. 6, 1890.

v. FISHES.

64a. *Leuciscus idus*, Linn. The Ide.

Hab. Continental fresh waters.

1-5. (Golden Orfe.) Purchased, Nov. 25, 1890.

c. *List of Animals bred in the Gardens during
the year 1890.*

MAMMALS.

- 1 Green Monkey (*Cercopithecus callitrichus*).
- 1 Rhesus Monkey (*Macacus rhesus*).
- 1 Black-headed Lemur (*Lemur brunneus*).
- 1 Puma (*Felis concolor*).
- 6 Esquimaux Dogs (*Canis familiaris*).
- 1 Dingo (*Canis dingo*).
- 15 Cuming's Octodons (*Octodon cumingi*).
- 3 Crested Porcupines (*Hystrix cristata*).
- 3 Viscachas (*Lagostomus trichodactylus*).
- 1 $\frac{3}{4}$ -bred Bison (bred between male *Bison americanus*
and female hybrid *Bos indicus* and *Bibos frontalis*).
- 2 Yaks (*Poëphagus grunniens*).
- 1 Gayal (*Bibos frontalis*).
- 2 Persian Gazelles (*Gazella subgutturosa*).
- 2 Four-horned Antelopes (*Tetraceros quadricornis*).
- 1 Angora Goat (*Capra hircus* var.).
- 2 Thars (*Capra jemlaica*).
- 2 Burrhel Wild Sheep (*Ovis burrhel*).
- 3 Barbary Wild Sheep (*Ovis tragelaphus*).
- 1 Indian Muntjac (*Cervulus muntjac*).
- 4 Japanese Deer (*Cervus sika*).
- 2 Hog Deer (*Cervus porcinus*).
- 1 Molucca Deer (*Cervus moluccensis*).
- 2 Axis Deer (*Cervus axis*).
- 2 Mule Deer (*Cariacus macrotis*).
- 4 Vulpine Phalangiers (*Phalangista vulpina*).
- 4 Bennett's Wallabies (*Halmaturus bennetti*).
- 1 Derbyan Wallaby (*Halmaturus derbyanus*).
- 1 Yellow-footed Rock-Kangaroo (*Petrogale xanthopus*).

BIRDS.

- 2 Red-vented Bulbuls (*Pycnonotus hæmorrhous*).
 4 Spanish Blue Magpies (*Cyanopoliis cooki*).
 2 Cereopsis Geese (*Cereopsis novæ-hollandiæ*).
 4 Australian Wild Ducks (*Anas superciliosa*).
 2 Slender Ducks (*Anas gibberifrons*).
 8 Chilian Pintails (*Dafila spinicauda*).
 6 Summer Ducks (*Æx sponsa*).
 4 Mandarin Ducks (*Æx galericulata*).
 2 Red-crested Pochards (*Fuligula rufina*).
 4 Cambayan Turtle-Doves (*Turtur senegalensis*).
 6 Vinaceous Turtle-Doves (*Turtur vinaceus*).
 1 Crested Pigeon (*Ocyphaps lophotes*).
 7 Californian Quails (*Callipepla californica*).
 6 Ring-necked Pheasants (*Phasianus torquatus*).
 5 Gold Pheasants (*Thaumalea picta*).
 1 Swinhoe's Pheasant (*Euplocamus swinhoii*).
 5 Silver Pheasants (*Euplocamus nycthemerus*).
 5 Common Peafowl (*Pavo cristatus*).
 1 Peacock Pheasant (*Polyplectron chinquis*).
 2 Yellow-legged Herring-Gulls (*Larus cachinnans*).

REPTILES.

- 5 Viperine Snakes (*Tropidonotus viperinus*).

d. *List of Donors and their Donations for the year 1890.*

- H.R.H. The Prince of Wales, K.G.
 Two Ring-necked Pheasants.
 H.R.H. The Duke of Clarence and Avondale, K.G.
 Two Indian Lions, two Tigers.
 Allan, Dr., Executors of the late.
 One Ring-tailed Lemur.
 Anson, Mrs. R. E.
 One Blue-eyed Cockatoo.
 Anstruther, Keith, Esq.
 Two Pucheran's Guinea-fowls.
 Archer, A. B., Esq.
 One Alligator.

- Aronson, Mrs. F.
Three Green Tree-Frogs.
- Ashdown, Charles, Esq., F.Z.S.
One Common Kestrel.
- Assheton-Smith, G. W. Duff, Esq.
One English Wild Cow.
- Atkins, Mr.
One Common Fox.
- Bacon, T. W., Esq.
Six Red-bellied Waxbills, five Blue-breasted Waxbills,
seven Grenadier Waxbills, three Paradise Whydah-
birds, two Golden-backed Weaver-birds.
- Bailey, A. M., Esq.
One Greater Black-backed Gull, one Herring-Gull.
- Baker, Miss Edith.
Two Alligators.
- Baldwin, J. L., Esq.
Two Snow-Buntings, three Bramblings.
- Barnard, Miss Marjorie.
One Lanner Falcon.
- Bason, Capt.
One Chattering Lory.
- Batt, Mrs. H. F.
One Macaque Monkey.
- Baxter, Dr. E. J.
One Bateleur Eagle.
- Bell, J. W., Esq.
One Azara's Fox.
- Bell, Mr. W.
One Bonnet-Monkey.
- Bennett, J. H., Esq.
One Ocelot.
- Bicknell, P., Esq.
Two Badgers.
- Biddulph, R. Myddelton, Esq.
One Common Fox.
- Bilbrough, C. T. Stanhope, Esq.
One Common Fox.
- Birkbeck, Henry, Esq.
Two Alligators.
- Blacklock, C. W., Esq.
One Ring-tailed Coati.
- Blagg, E. W. H., Esq.
One Silver Pheasant.

- Blake, Master Morris.
One Black Tortoise.
- Blanford, H. E., Esq.
Five Yellow-winged Sugar-birds, two Broad-billed
Tanagers.
- Blathwayt, G. W., Esq.
Two Common Mynahs.
- Booth, Miss Alice.
One Bonnet-Monkey.
- Bosworth, W. J., Esq.
One Ashy-black Macaque.
- Boulenger, G. A., Esq., F.Z.S.
Two Lataste's Frogs.
- Boulton, P., Esq.
One Macaque Monkey.
- Bowden, Mrs.
One Jackdaw.
- Brewerton, C. E., Esq.
One Common Raccoon.
- Buck, Walter J., Esq.
Two Golden Eagles.
- Burnett, C. W., Esq.
Two Senegal Touracous.
- Caffier, Capt. C. Crawford, R.N.
Two Black-eared Marmosets.
- Cameron, Ewen Somerled, Esq., F.Z.S.
Two Grizzly Bears.
- Campbell, C. W., Esq.
Two Mantchurian Cranes.
- Cardew, Lt.-Col. G. M.
Two Oak Dormice.
- Carlile, Walter, Esq.
One Grand Galago.
- Cassirer, Mrs. C. J.
One Greater White-crested Cockatoo.
- Catheson-Smith, J., Esq.
One Tuatera Lizard.
- Chamberlain, Walter, Esq., F.Z.S.
Two Ravens.
- Cheetham, J. H., Esq., F.Z.S.
One Serval.
- Cohen, A., Esq.
One Blue-and-Yellow Macaw.

- Cooke, Arthur O., Esq.
One Ring-necked Parrakeet.
- Coope, E. Jesser, Esq., F.Z.S.
One Rhesus Monkey.
- Cooper, Percy, Esq.
One Golden Eagle.
- Corbet, W., Esq.
One Common Otter.
- Cotton, T. A., Esq.
Three Common Vipers.
- Cousens, Dr. W. C.
Three Common Vipers.
- Craig, Mr. H.
One Common Barn-Owl.
- Crocker, The Misses.
Two Common Marmosets.
- Crofton, Commander W., R.N.
One Egyptian Gazelle.
- Cuming, W. D., Esq.
One Grey Hypocolius.
- Dawe, J. W., Esq.
One Mexican Guan.
- Debenham, Miss Grace.
Two Cape Doves.
- Derrett, A. C., Esq.
Two All-green Tree-Snakes, two Merrem's Snakes,
two Natterer's Snakes, one Chequered Elaps, one
Anomalous Snake.
- Directors of the Botanic Gardens, Demerara.
One Great Anteater.
- Divett, E. R., Esq., F.Z.S.
Two European Scops Owls.
- Dixon, Edward T., Esq.
Two Weka Rails.
- Dodington, R. M., Esq.
One Azara's Fox.
- Dodson, Mr. W.
One Rhesus Monkey.
- Douglas, Mrs. Akers.
One White-fronted Capuchin.
- Dudmesh, Mr. V. H.
One Common Chameleon.
- Dumings, Miss Reinette.
Two Cape Zorillas.

- Egerton, C. F., Esq.
Two Leopards.
- Elliot, J. B., Esq.
One Vociferous Sea-Eagle, one White-crested Tiger Bittern.
- Faulkner, Charles, Esq.
One Common Barn-Owl.
- Fell, Mrs.
One West-African Love-bird.
- Ferrers, The Earl, F.Z.S.
One English Wild Bull.
- Ffinch, B. T., Esq., C.M.Z.S.
One Himalayan Bear.
- Findlay, Capt. C. A., R.N.R.
Four Variegated Sheldrakes, one Owen's Apteryx.
- Finlay, Alexander, Esq.
One Alligator.
- Fisher, Thomas S., Esq.
One Azara's Fox.
- Fisk, The Rev. G. H. R., C.M.Z.S.
One Cape Hyrax, four Leopard Tortoises, three Well-marked Tortoises, one Areolated Tortoise, one Galeated Pentonyx, two Rough-scaled Lizards, one Smooth-headed Lizard, six Dwarf Chameleons, two Rufescent Snakes, two Rufous Snakes, three Smooth-bellied Snakes, two Robben-Island Snakes, one Ring-hals Snake, six Gray's Frogs, eight Smooth Clawed Frogs.
- Flower, Charles E., Esq.
One Rhesus Monkey.
- Forbes, Mrs.
One Guillemot.
- Fort, Miss Beatrice.
One Loggerhead Turtle.
- Fortescue, Capt. H.
One Viverrine Cat.
- Forwood, Master C. S.
One Common Chameleon.
- Frodsham, J. H., Esq.
One Raccoon.
- Galbraith, C. C., Esq.
One Panolia Deer, one Common Goat.
- Gellibrand, D. B., Esq.
One Brown Bear.

- Gladwin, H. Fane, Esq.
One Common Fox.
- Godden, G. S., Esq.
Six Prussian Carp.
- Golden, A., Esq.
Two Undulated Grass-Parrakeets.
- Greenberg, Mr.
One Indian Chevrotain.
- Gunn, Mr. T. E.
Two Common Kingfishers, one Water-Rail, one
Great Crested Grebe, two Pomatorhine Skuas, one
Common Viper.
- Gurney, G., Esq.
One Tawny Owl.
- Hagen, B. B., Esq.
One Delalande's Gecko.
- Haines, The Rev. F. W.
Three Wall-Lizards, two Green Lizards, one Dark-
Green Snake, four Common Snakes, four Viperine
Snakes, two Smooth Snakes, four Marbled Newts,
one Edible Frog.
- Hammond, N., Esq.
One Virginian Opossum.
- Hanauer, Harold, Esq., F.Z.S.
One Hamster.
- Hands, Miss S. L.
One Ring-necked Parrakeet.
- Hardy, The Hon. J. S. Gathorne-, M.P., F.Z.S.
One Common Otter, one Herring-Gull, three Lesser
Black-backed Gulls.
- Harris, Mrs.
One Green Turtle.
- Harris, Miss.
One Rhomb-marked Snake.
- Harris, Mr. C.
One Macaque Monkey.
- Hart, E., Esq., F.Z.S.
One Black-headed Gull.
- Harvey, Mrs. O.
One Ring-necked Parrakeet.
- Hay, Capt.
One North-African Jackal.
- Hayley, J. Newton, Esq.
One Redwing.

- Hele, Miss Muriel.
One Long-eared Owl.
- Henry, Howard V., Esq.
One Diana Monkey.
- Howard, A. C., Esq.
Two Common Gulls, one Black-headed Gull, one
Common Tern.
- Humphreys, Mrs.
Three Green Tree-Frogs.
- Irving, Henry, Esq., F.Z.S.
One Great Kangaroo.
- Janes, Capt. George.
One Sambur Deer.
- Jansen, D. C., Esq.
Two Chinese Alligators.
- Johnson, Cuthbert, Esq.
One Stoat, One Common Moorhen.
- Jones, Mrs. W. H. Quayle.
One Spur-winged Goose.
- Kerfoot, Master Stanley.
One Grey Ichneumon.
- Keys, A. I., Esq.
One Rhesus Monkey.
- Kilner, J. N., Esq.
One Brazilian Tree-Porcupine.
- King, C. Armstrong, Esq.
One Common Paradoxure.
- King, Dr. W.
One Punjab Wild Sheep.
- Kingzett, C. J., Esq.
Two Mandarin Ducks.
- Kitchener, Miss F. A.
Two Long-fronted Gerbilles.
- Lafontaine, A. C. de, Esq.
One Brown Bear.
- Latham, Commander W. M., R.N., F.Z.S.
Two Short-winged Weaver-birds, two Masked Weaver-
birds, one Water-Pipit.
- Lauze, Miss.
One Kittiwake Gull.
- Lawson, George, Esq.
One Masked Parrakeet.
- Leech, E., Esq.
Two Squirrel Monkeys.

- Leighton, Mrs. Francis.
Three Common Peafowl.
- Leith, J. Percy, Esq., F.Z.S.
One Spotted Ichneumon.
- Lewis, A. R., Esq.
Two Indranee Owls.
- Liberian Government Concessions & Exploration Co., Ltd.
One Brush-tailed Porcupine.
- Lilford, The Lord, F.Z.S.
Two Simony's Lizards.
- Lumsden, Lieut.-Gen. Sir Harry B., K.C.S.I., C.B., F.Z.S.
One Chinese Jay-Thrush, one Chinese Bulbul, two Red-eared Buleuls, one Red-vented Bulbul.
- Mackenzie, George S., Esq., F.Z.S.
One Water-Buck, one Serval, six Vulturine Guinea-fowls, three Mitred Guinea-fowls.
- Mackenzie, Osgood H., Esq.
One Wild Cat.
- Mackie, J. G., Esq.
Two Vulpine Phalangers.
- Malatesta, Mr. E.
Two Brown Capuchins.
- Manger, W., Esq.
Ten Common Chameleons.
- Marks, Valentine, Esq.
One Cuckoo.
- Marshall, Luxmoore, Esq.
One Blue-and-Yellow Macaw.
- Marshall, Wilfred G., Esq.
One Elliot's Pheasant, one Cape Weaver-bird, one Red-eyed Ground-Finch.
- Marshall, —, Esq.
One White-necked Raven, one Vulturine Eagle, one Jackal Buzzard.
- Martin, Miss Eileen.
One Wanderoo Monkey.
- Martin, H. C., Esq.
Two St. Thomas's Conures.
- Mathison, Quarter-Master Serjeant, W.I.R.
One Green Monkey.
- Mayne, Mrs.
One Bluish Finch.
- Meade-Waldo, E. G., Esq., F.Z.S.
Three Grey-headed Sparrows, two Yellow-throated

- Rock-Sparrows, one Tintillon Chaffinch, one Rosy Bullfinch.
- Middleton, R. Morton, Esq., F.Z.S.
Two Pied Snakes.
- Mitford, C. B., Esq.
Two Spur-winged Geese.
- Moir, John W., Esq.
One Malbrouck Monkey, two Grand Galagos.
- Money, R. J., Esq.
One Common Boa.
- Moon, Mrs.
One Pennant's Parrakeet.
- Moore, R. E., Esq.
One Ring-tailed Coati.
- Morris, C. S., Esq.
One Alligator.
- Mowett, Mrs.
One Common Viper.
- Muir, Miss Evelyn.
One Brown Bear.
- Murray, John, Esq.
One Grey Monitor.
- Napier, Francis, Esq.
One Eyed Lizard.
- Neeld, A. W., Esq.
Two Common Rheas.
- Nelson, T. H., Esq.
One Guillemot.
- Newman, W. H., Esq.
Thirteen Cuming's Octodons.
- Nicolls, J. A., F.Z.S.
One Speke's Antelope.
- Norbury, W., Esq.
Two Common Marmosets.
- North, The Hon. Morton.
One Common Badger.
- Obbard, Mrs.
One Leadbeater's Cockatoo.
- O'Callaghan, J. Barry, Esq.
One Pinche Monkey.
- Osgood, Mrs.
One Squirrel Monkey.
- Owen, C. J., Esq.
One Alligator.

- Pain, W. H. B., Esq.
One Common Badger, one Greater Spotted Wood-
pecker, two Common Vipers.
- Parfitt, E. B., Esq., M.R.C.S.
One Lesser White-nosed Monkey.
- Parker, The Hon. C.
One Wood-Owl.
- Patchett, Lt.-Col. W. Gordon.
One African Civet Cat, one Two-spotted Paradoxure.
- Payton, C. A., Esq.
One Golden Eagle.
- Pendry, Mrs.
One Rhesus Monkey.
- Penton, E., Esq., F.Z.S.
Two Smooth Snakes.
- Petit, J., Esq.
One American Box-Tortoise, one Horned Lizard.
- Phillips, W. B., Esq.
Two Laughing Kingfishers.
- Pitcairn, John J., Esq., F.Z.S.
One African Civet Cat.
- Pollock, Mrs. H. F.
One Grey Ichneumon.
- Povoleri, The Count, F.Z.S.
One King Parrakeet.
- Powell, W. Geoffrey N., Esq.
Three Long-eared Owls.
- Prinsep, Capt. J. F. M.
One Cape Ratel.
- Pryor, R. M., Esq.
One Globose Curassow.
- Radcliffe, P. S. S., Esq.
One Bosman's Potto.
- Rendall, Dr. Percy, F.Z.S.
One Harnessed Antelope, one Nagor Antelope, one
Marabou Stork.
- Robinson, G. W., Esq.
One Brown Bear.
- Robinson, Capt.
Eighteen Young Green Turtles.
- Robottom, Arthur, Esq.
Three Passerine Parrots.
- Rootes, W. R., Esq., F.Z.S.
One Silver Pheasant.

- Roper, F. C. S., Esq., F.Z.S.
One Roseate Cockatoo.
- Rose, A. S., Esq.
One Toque Monkey.
- Ross, Col. Edward C., C.S.I., C.M.Z.S.
Two Beatrix Antelopes.
- Roupell, Mrs.
One Green Monkey.
- Rule, Mrs. Julie.
Two Bonnet-Monkeys, one Toque Monkey, two Ring-necked Parrakeets.
- Rule, Capt. W. J.
One Yellowish Monitor.
- Ruoy, Madame.
One Barbary Ape.
- Russell, The Lord Herbrand, F.Z.S.
Three Wild Boars.
- St. Quintin, W. H., Esq., F.Z.S.
One Louisianian Meadow-Starling, one Black-bellied Sand-Grouse.
- Salvin, Capt.
One Wedge-tailed Eagle.
- Sands, John, Esq.
One American Black Bear.
- Schafer, A., Esq.
One Alligator.
- Schuler, Miss Florence.
One Malbrouck Monkey.
- Slater, W. L., Esq., F.Z.S.
Two Bengal Foxes, two Large-eared Hares.
- Seton, Dr.
One Blossom-headed Parrakeet, one Ring-necked Parrakeet, one Red-sided Eclectus, two King Parrakeets, one Ceylonese Hanging Parrakeet, one Penant's Parrakeet, one Mealy Amazon, two Yellow-shouldered Amazons, one Levillant's Amazon, two Panama Amazons, one Blue-fronted Amazon, one Yellow-vented Bulbul, two Red-eared Buleuls, two Red-vented Buleuls, two Orange-cheeked Waxbills, one Common Waxbill, one Red-bellied Waxbill, one Cinereous Waxbill, one Cut-throat Finch, one Shining Weaver-bird, one Chestnut-eared Finch, one Crimson-crowned Weaver-bird, one Grenadier Weaver-bird, two Madagascar Weaver-birds, one Olive

- Weaver-bird, one Red-headed Cardinal, one Red-crested Cardinal, one Cardinal Grosbeak, one Cartagenian Motmot, one Larger Hill Mynah, one Green Glossy Starling.
- Seward, W. H., Esq.
One Vulpine Phalanger.
- Sharland, H. H., Esq., F.Z.S.
One Beech-Martin, one Snowy Egret.
- Shepherd, Capt.
One Australian Peewit.
- Sibley, Dr. W. K.
One Common Viper, one Slow-worm.
- Sloane, Mr. Edward.
One Common Teguxin.
- Smith, F. D. Lea, Esq., F.Z.S.
One Polecat.
- Spencer, H. A., Esq.
Three Rough-scaled Lizards; one Hispid Lizard, one Delalande's Lizard.
- Standish, Percy, Esq.
One Common Marmoset.
- Stuart, W. H., Esq.
One Brown Bear.
- Tanner, Mrs. M.
One Sykes's Monkey.
- Taylor, Capt. C.
Two Macaque Monkeys.
- Teil, Miss.
Two Barbary Turtle-Doves.
- Temple, Mrs. E. M.
One Bauer's Parrakeet.
- Tholen, Mr. H.
One Dwarf Chameleon.
- Thompson, Mrs.
Two Green-winged Doves.
- Thomson, Col. W. B., F.Z.S.
Two Reindeer.
- Tibbs, Mrs. Frederick.
One Common Barn-Owl.
- Touche, Mons. J. de la.
One Feathery-footed Owl, one Black-and-White Jackdaw.
- Tournay, William, Esq.
One Esquimaux Dog.

- Travers, Capt. H. D.
One Silver-backed Fox.
- Twickline, Mrs.
Two Long-eared Owls.
- Waghorn, Mrs. Florence J.
One Egyptian Cat.
- Wanklyn, Mrs. E.
One Common Chameleon.
- Warburg, J. C., Esq.
One Green Lizard, two Three-toed Sand-Skins.
- Waterson, Mrs.
One Vulpine Phalanger.
- Watson, J. A., Esq., F.Z.S.
One Black-eared Marmoset.
- Wharton, L. C., Esq.
One Hawfinch.
- Whitaker, J. I. S., Esq.
Two Purple Porphyrios.
- White, Miss.
One Rhesus Monkey.
- White, Mr. Joseph.
Two Herring-Gulls.
- Wormald, W. H., Esq., C.M.Z.S.
One Jackal Buzzard, one African Hawk-Eagle.
- Worster, Capt.
One Tuatera Lizard.
- Wright, Mrs.
One Demoiselle Crane.
- Wroughton, E. V., Esq.
One Bonnet-Monkey.
- Wyndham, F., Esq.
Five Common Dormice.
- Young, John, Esq., F.Z.S.
One Snow-Bunting, four Wheatears, three Whin-chats, two Great Tits, two Blackcaps, three Nightingales, one Garden Warbler, one Whitethroat.

Conclusion.

In concluding their Report the Council wish to acknowledge the assistance they have received 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 Finance Committee.

During the year 1890 not only has the mortgage-debt on the freehold house been reduced by the usual sum of £1000, but the commencement of a new Reserve-fund has been made by the purchase of a sum of £1000 Consols. There appears, therefore, every reason to be satisfied with the present financial state of the Society's affairs.

Signed (for the Council),

P. L. SCLATER,

Secretary.

3 Hanover Square, W., April 29th, 1891.

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

Appointed January 21, 1891.

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, 1890, 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.

Comparison of Receipts in 1890 with 1889.

<i>Receipts.</i>				
	Income of		Increase.	Decrease.
	1890.	1889.		
	£ s. d.	£ s. d.	£ s. d.	£ s. d.
Admissions to Gardens..	14,396 0 6	14,891 16 6	.....	495 16 0
Elephant and Camel riding receipts	724 14 7	724 7 6	0 7 1	.....
Garden Sales	349 14 10	322 11 10	27 3 0	.....
Rent for Refreshment-Rooms	776 18 7	812 9 8	.....	35 11 1
Rent for Freehold Premises	232 10 0	258 3 0	.....	25 13 0
Admission Fees:—				
Past.....	85 0 0	80 0 0	5 0 0	.....
Present	460 0 0	470 0 0	.....	10 0 0
Annual Subscriptions:—				
Past.....	33 0 0	33 0 0	.....	.....
Present	5,730 0 0	5,680 0 0	50 0 0	.....
Future	117 0 0	102 0 0	15 0 0	.....
Compositions	840 0 0	720 0 0	120 0 0	.....
Ivory Tickets	24 14 0	23 13 0	1 1 0	.....
Publications	809 13 11	1,291 6 7	.....	481 12 8
Zoological Record	298 12 9	359 17 6	.....	61 4 9
Dividends and Interest..	92 4 9	74 2 0	18 2 9	.....
Miscellaneous.....	89 13 11	584 4 5	.....	494 10 6
	25,059 17 10	26,427 12 0	236 13 10	1,604 8 0
Decrease	1,367 14 2	.....	Ded. Incr.	236 13 10
	26,427 12 0	26,427 12 0	.....	1,367 14 2
Total Receipts in 1890 £25,059 17 10 Total Payments in 1890..... 23,572 11 5 Receipts over Payments 1,487 6 5				
<i>Dr. Cash</i>				
			£ s. d.	
To Balance brought from December 31, 1889			1,242 13 11	
To Income received in 1890			25,059 17 10	
			26,302 11 9	

Comparison of Payments in 1890 with 1889.

<i>Payments.</i>						
	Expenditure of				Increase.	Decrease.
	1890.		1889.			
	£	s. d.	£	s. d.		
Rent, Rates, Taxes, and Insurance	1,593	8 0	1,641	8 10	.....	48 0 10
Salaries and Pensions	5,659	18 8	5,500	3 9	159 14 11	.....
Provisions	3,661	18 1	3,603	14 6	58 3 7	.....
Cost and Carriage of Animals	636	5 8	645	18 7	.....	9 12 11
Menagerie Expenses	3,351	5 2	3,200	8 11	150 16 3	.....
Keepers' Dresses	174	3 11	167	7 10	6 16 1	.....
Works, Materials, &c.....	2,808	18 11	2,903	19 9	.....	95 0 10
Garden Expenses	790	13 8	752	8 10	38 4 10	.....
Advertisements	161	0 4	180	6 6	.....	19 6 2
Band Expenses	207	6 9	177	4 6	30 2 3	.....
House and Office Expenses..	1,088	8 6	1,132	9 0	.....	44 0 6
Stationery and Printing (Miscellaneous)	356	11 3	367	8 7	.....	10 17 4
Cost of Publications	1,529	2 10	1,457	18 5	71 4 5	.....
Cost of Zoological Record ..	651	13 2	536	4 0	115 9 2	.....
Library Expenses	563	15 6	529	11 3	34 4 3	.....
Expenditure of Davis Bequest	79	5 0	74	2 0	5 3 0	.....
Interest on Mortgage and Loan.....	214	10 0	305	5 6	.....	90 15 6
Grant in aid of Science .....	.....	.....	25	0 0	.....	25 0 0
Miscellaneous.....	44	6 0	27	10 6	16 15 6	.....
	23,572	11 5	23,228	11 3	686 14 3	342 14 1
Increase ..	.....	.....	344	0 2	342 14 1	Ded. Decr.
	23,572	11 5	23,572	11 5	344 0 2	.....
Ordinary Payments	23,342	6 11	22,683	4 3	659 2 8	.....
Extraordinary ditto	230	4 6	545	7 0	.....	315 2 6
	23,572	11 5	23,228	11 3	344 0 2	.....

<i>Contra</i>	<i>Cr.</i>
	£ s. d.
By Expenditure paid in the year.....	23,572 11 5
By Repayment of Mortgage-debt	1,000 0 0
By Cost of £1000 Consols	945 0 6
By Balance carried forward to 1891	784 19 10
	26,302 11 9

Assets and Liabilities of the Society on December 31, 1890.

ASSETS.

	£	s.	d.
Animals in the Menagerie in the Regent's Park	23,753	0	0
Books in the Library at Hanover Square	14,872	0	0
Unsold Publications	3,131	0	0
Stock of the Zoological Record	1,476	0	0
Freehold Premises	25,000	0	0
Value of £1,900 London and South-Western Railway New 4 per cent. Preference Stock (Davis Trust Fund)	2,375	0	0
Value of £1000 2¾ per cent. Consols	970	0	0
Cash at the Bankers (Messrs. Drummond)	784	19	10
Arrears considered good:—			
	£	s.	d.
Rent for Refreshment-Rooms	58	3	7
Rent for Rooms at Hanover Square	86	5	0
Garden Sales	67	17	6
Subscriptions	33	0	0
Publication Sales	97	2	1
Zoological Record Sales	13	15	0
	<hr/>		
	356	3	2
	<hr/>		
	£72,718	3	0
	<hr/> <hr/>		

LIABILITIES.

	£	s.	d.	£	s.	d.
Rent and Taxes unpaid:—						
For the Gardens, say	265	6	6			
„ Office, say	43	15	0			
	<hr/>			309	1	6
Bills, &c., estimated at:—						
For the Gardens, say	904	18	9			
„ Office, say	650	17	6			
	<hr/>			1,555	16	3
Messrs. Drummond, Mortgage Debt				5,000	0	0
	<hr/>			£6,864	17	9
	<hr/> <hr/>					

We have examined the Vouchers and the accounts of receipts and expenditure, and certify that they are correct.

PHILIP CROWLEY.
HERBERT DRUCE.
RICHARD LYDEKKER.
E. T. NEWTON.
H. H. SLATER.
J. JENNER WEIR.

} *Committee of Auditors.*

ZOOLOGICAL SOCIETY OF LONDON,
3 Hanover Square, W.

February 26, 1891.