

R E P O R T

OF THE

COUNCIL

OF THE

ZOOLOGICAL SOCIETY

OF LONDON,

FOR THE YEAR 1892.

READ AT THE ANNUAL GENERAL MEETING,

APRIL 28TH, 1893.

LONDON:

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REPORT OF THE COUNCIL.

April 28, 1893.

THE Council have the pleasure of submitting to the Fellows their sixty-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 on the 1st of January, 1893, was 2999, classified as follows:—

Compounders who have paid £20	15
Ditto ditto £30	921
Compositions remitted	19
Paying annual contributions of £2	8
Ditto ditto £3	1838
Dormant	164
Admission-fees unpaid	34
	<hr/>
	2999

It is with great pleasure that the Council call attention to the increase of the number of Fellows since the last Anniversary. The increase, it is true, is not large; but, as pointed out in the last Report, the numbers of the Society have been gradually decreasing for the past ten years. It is therefore gratifying to be able to record even a slight accession of strength to the roll. This improvement has been caused by the large number of 177 Fellows having been elected or re-admitted in 1892. This is a greater number of additions than had previously taken place since the year 1884, as will be seen by 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.					
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
1891.	118	3	36	...	...	73	...	54	...	...	9	4	179	2985
1892.	177	5	31	4	3	61	...	50	...	...	3	6	163	2999

b. Honorary Members.

During the course of last year it was determined by the Council, in consequence of the recommendations of some of the Fellows, who brought the subject before their notice, to add the following names to the list of *ex officio* Honorary Members of this Society:—

The President of the Royal College of Veterinary Surgeons.

The Principal of the Royal Veterinary College.

The Council do not doubt that the propriety of this

proceeding, which was communicated to the Society at the General Meeting on the 17th of November last, will commend itself to the Fellows.

c. Foreign Member.

The single vacancy which took place in the List of Foreign Members during the past year has been filled by the election of

Dr. Robert Collett, Professor of Zoology and Director of the Zoological Museum of the University of Christiania.

d. Corresponding Members.

The five vacancies in the List of Corresponding Members which have taken place since the last Anniversary have been filled up by the election of the following gentlemen:—

A. W. Alcock, Esq., M.B., Surgeon-Naturalist to the Indian Marine Survey.

Lt.-Col. F. M. Jenkins, Assistant Commissioner, Yamethin, Burmah.

General Lloyd W. Mathews, C.M.G., Zanzibar.

Babu R. B. Sányál, Superintendent of the Zoological Gardens, Calcutta.

Capt. Harold G. C. Swayne, R.E., Berbera, Somali-land.

e. Medallists.

The considerations which prompted the Council of the Society, as announced in their Report read at the Annual Meeting of 29th April, 1891, to award two of its medals to the representatives of families through whose exertions the Great Skua has been retained as a veritable member of the British Fauna, have induced the Council to act this year in like manner in regard to a still scarcer species—the Osprey (*Pandion haliaetus*). It has been represented to the Council that for some years past but three pairs of this bird, which on many accounts is of great interest,

have regularly bred in Scotland, and that their protection has been an object of much solicitude to those on whose property the nests are built. The Council are able to state that the effect of their former award has not only been beneficial to the birds concerned, but has been highly appreciated by the public at large, and they trust that the same good result will follow the bestowal of the Society's Silver Medal upon Donald Cameron, of Lochiel, and John Peter Grant, of Rothiemurchus, in recognition of the efforts made to protect the Osprey in their respective districts.

These medals will be presented to the above-named gentlemen at the General Meeting of the Society on June 22nd.

The Council also take this opportunity of referring to the resolutions adopted by them, and communicated to a General Meeting of the Society on the 16th February, 1893, in regard to steps proposed to be taken by the Government of New Zealand for the preservation of the native birds of that country. The resolutions were as follows:—

“That the Council of this Society have learnt with great satisfaction the steps that were proposed to be taken by the Earl of Onslow, when Governor of New Zealand, and by the Houses of General Assembly, for the preservation of the native birds of New Zealand, by reserving certain small islands suitable for the purpose, and by affording the birds special protection on these islands.

“That the Council much regret to hear that difficulties have been encountered in carrying out this plan as regards one of these islands (Little Barrier Island), and trust that the Governor of New Zealand may be induced to take the necessary steps to overcome these difficulties, and to carry out this excellent scheme in its entirety.

“The Council venture to suggest that, besides the native birds to be protected in these reserves, shelter should also be afforded to the remarkable Saurian, the Tuatera Lizard (*Sphenodon punctatus*), which is at present restricted to some small islands on the north coast of New Zealand in the Bay of Plenty.”

2. STATE OF THE FINANCES.

a. *Income.*

The Council are glad to be able to announce a considerable improvement in the Income of the Society during the year 1892, as compared with that of 1891. The increase, although not great in amount—being altogether only £822 6s. 7d.—is gratifying as having been spread over all the more important branches of the Society's receipts; the decreases, as will be seen by the subjoined table, having been comparatively insignificant. Under the head of "Admissions to Gardens" there was an increase amounting to £272 10s.; under that of "Admission Fees" an increase of £165; and for "Compositions in lieu of annual subscriptions" the sum of £930 was received, being £120 more than in 1891. The total receipts of the Society in the year 1892 were £24,877 3s. 10d., being more by £822 6s. 7d. than those for 1891.

	Income of						Increase.	Decrease.		
	1892.			1891.						
	£	s.	d.	£	s.	d.	£	s.	d.	
Admissions to Gardens	13,981	8	6	13,708	18	6	272	10	0	
Elephant and Camel riding receipts	606	17	4	610	16	8		3	19	4
Garden Sales.....	537	16	2	454	3	5	83	12	9	
Rent for Refreshment-rooms ...	833	9	3	735	3	3	98	6	0	
Rent for Freehold Premises ...	168	3	0	238	16	0		70	13	0
Admission Fees:—										
Past	40	0	0	55	0	0		15	0	0
Present	650	0	0	485	0	0	165	0	0	
Annual Subscriptions:—										
Past	9	0	0	9	0	0				
Present	5,522	6	0	5,599	0	0		76	14	0
Future	171	0	0	123	0	0	48	0	0	
Compositions	930	0	0	810	0	0	120	0	0	
Ivory Tickets	36	6	0	40	10	0		4	4	0
Publications	773	14	7	705	11	10	68	2	9	
Zoological Record	354	10	6	266	3	9	88	6	9	
Dividends and Interest.....	74	2	0	94	4	3		20	2	3
Miscellaneous	188	10	6	119	9	7	69	0	11	
	24,877	3	10	24,054	17	3	1,012	19	2	
Increase				822	6	7	190	12	7	Ded. Decr.
	24,877	3	10	24,877	3	10	822	6	7	

The following 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. £
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
1881	25,810	1891	24,054
1882	34,270	1892	24,877

b. Expenditure.

The Ordinary Expenditure of the Society for 1892, under which is included every item required to keep the whole establishment in good working order, was £23,331 1s. 8d., being £19 15s. 11d. less than the ordinary expenditure for 1891. It will be observed, on reference to the subjoined table, that the amount spent on "Provisions" shows an increase of £106 8s. 4d., owing mainly to the slight rise of prices in some articles towards the close of the year. The remaining heads of expenditure do not vary much from the ordinary amounts, and require no special notice. Besides the ordinary expenditure of the Society, the further sum of £524 6s. 8d. was devoted to two special objects which were not included in the year's estimates. The sum of £176 19s. 9d. was devoted to the payment of the balance of the amount spent in preparing the Index to the 'Proceedings' from 1881 to 1890, a portion of which (£29 13s.) had been defrayed in 1891. The sum of £347 6s. 11d. was devoted to the payment of the printer's account for the 28th volume of the 'Zoological Record.' As will be shown in a subsequent part of the Report, the publication of two volumes of the 'Zoological Record' in the same year was an extraordinary event, which was not anticipated when the estimates for 1892 were prepared.

The Extraordinary Expenditure for 1892 was, therefore, as follows:—

Index to Proceedings, 1881-90 (balance).....	£	s.	d.
'Zoological Record,' vol. 28 (Printing)	176	19	9
	347	6	11
	<u>£524</u>	<u>6</u>	<u>8</u>

Adding the Extraordinary Expenditure for the year to the Ordinary Expenditure (£23,331 1s. 8d.), it will be found that the total Expenditure for the past year was £23,855 8s. 4d., as shown in the subjoined table, in which a comparison of the payments under every head with the corresponding amounts in the preceding year is given:—

	Expenditure of		Increase.	Decrease.
	1892.	1891.		
	£ s. d.	£ s. d.	£ s. d.	£ s. d.
Rent, Rates, Taxes, and Insurance ...	1,624 6 4	1,680 15 2	.....	56 8 10
Salaries and Pensions.....	5,497 6 8	5,592 5 6	.....	94 18 10
Provisions	3,974 2 7	3,867 14 3	106 8 4	.....
Cost and Carriage of Animals	843 19 6	974 13 4	.....	130 13 10
Menagerie Expenses	3,466 12 11	3,445 12 5	21 0 6	.....
Keepers' Dresses	160 13 6	183 18 10	.....	23 5 4
Works, Materials, &c.	2,647 11 6	2,633 1 10	14 9 8	.....
Garden Expenses.....	765 12 9	758 11 10	7 0 11	.....
Advertisements.....	257 0 0	172 1 7	84 18 5	.....
Band Expenses	192 4 6	168 4 6	24 0 0	.....
House and Office Expenses ..	1,159 12 4	1,143 9 4	16 3 0	.....
Stationery and Printing (Miscellaneous)	395 19 2	387 11 3	8 7 11	.....
Cost of Publications	1,187 16 2	1,535 15 9	.....	347 19 7
Cost of 'Zoological Record'	937 5 11	420 16 0	516 9 11	.....
Library Expenses.....	500 19 8	440 13 0	60 6 8	.....
Expenditure of Davis Bequest.....	74 2 0	74 2 0	.....	.....
Interest on Mortgage-debt	136 10 0	175 10 0	.....	39 0 0
Miscellaneous	33 12 10	42 5 6	.....	8 12 8
	23,855 8 4	23,697 2 1	859 5 4	700 19 1
Increase .....	.....	158 6 3	700 19 1	Ded. Decr.
	23,855 8 4	23,855 8 4	158 6 3	.....
Ordinary Payments.....	23,331 1 8	23,350 17 7	.....	19 15 11
Extraordinary ditto.....	524 6 8	346 4 6	178 2 2	.....
	23,855 8 4	23,697 2 1	158 6 3	.....

The balance brought forward from December 31st, 1891, was £1091 9s. 6d. Added to the income of 1892 (£24,877 3s. 10d.) this gave a total sum of £25,968 13s. 4d. available for the year's expenditure, which was £23,855 8s. 4d. as stated above. The sum of £1000 was also required to pay off the annual instalment due on the mortgage-debt secured on the Society's freehold house. This leaves only £3000 still owing upon the whole sum of £12,000 raised in aid of its purchase. After payment of the year's expenditure, and of this sum of £1000, the balance carried forward to 1893 was £1113 5s., being £21 15s. 6d. more than that brought forward from 1891. Under these circumstances the financial results of the year 1892 must be deemed to be quite satisfactory.

Thus the balance-sheet of the year 1892 may be shortly given as follows:—

<i>Receipts, 1892.</i>			<i>Payments, 1892.</i>		
	£	s. d.		£	s. d.
Balance brought from December 31, 1891	1,091	9 6	Expenditure paid in the year	23,855	8 4
Income received in 1892.....	24,877	3 10	Repayment of Mortgage-debt	1,000	0 0
			Balance carried forward to 1893 ...	1,113	5 0
	<u>£25,968</u>	<u>13 4</u>		<u>£25,968</u>	<u>13 4</u>

c. Assets and Liabilities.

The Assets and Liabilities of the Society on December 31, 1892, were estimated as follows:—

ASSETS.

	£	s.	d.
Animals in the Menagerie in the Regent's Park	21,542	0	0
Books in the Library at Hanover Square	15,602	0	0
Unsold Publications	2,628	0	0
Stock of the Zoological Record	1,274	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).....	2,508	0	0
Cash at the Bankers (Messrs. Drummond)	1,113	5	0
Arrears considered good:—	£	s.	d.
Rent for Refreshment-Rooms	59	3	2
Rent for Rooms at Hanover Square	44	8	0
Garden Sales	138	3	0
Subscriptions	68	0	0
Publication Sales	86	0	1
'Zoological Record' Sales	14	10	0
		<u>410</u>	<u>4</u>
		<u>£70,077</u>	<u>9 3</u>

LIABILITIES.

	£	s.	d.	£	s.	d.
Rent and Taxes unpaid:—						
For the Gardens, say	302	0	11			
" Office, say.....	43	2	6			
				<u>345</u>	<u>3</u>	<u>5</u>
Bills, &c., estimated at:—						
For the Gardens, say	639	4	11			
" Office, say.....	341	17	10			
				<u>981</u>	<u>2</u>	<u>9</u>
Zoological Society of Antwerp, Hippopotamus				500	0	0
Messrs. Drummond, Mortgage Debt.....				3,000	0	0
				<u>£4,826</u>	<u>6</u>	<u>2</u>

II. OFFICE, 3 HANOVER SQUARE.

1. SCIENTIFIC MEETINGS.

To the thirteen meetings for the despatch of scientific business held in the Society's Rooms in Hanover Square, in 1892, 116 communications were made. Of these, 93 were from Fellows, 6 from Corresponding Members, and 1 from a Foreign Member of the Society. The remaining 16 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 1891 was 123.

These communications were submitted to the Committee of Publication, by whom 71 were ordered to be printed entire in the 'Proceedings' and 7 in the 'Transactions,' such illustrations being in each case allowed as the Committee considered necessary for the purpose. Of the remaining communications, abstracts or extracts were considered to be sufficient for publication.

2. SCIENTIFIC PUBLICATIONS.

a. *Proceedings.*

The volume of 'Proceedings' for 1892 is on the table. It contains 756 pages illustrated by 47 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.
1883	61	704
1884	58	645
1885	62	991
1886	60	716
1887	55	730
1888	32	717
1889	62	668
1890	57	730
1891	50	703
1892	47	756

Those Fellows who may wish to complete their sets of

the 'Proceedings' are requested to take notice that it is now possible to supply coloured copies, beginning from 1861, for those years which have hitherto been marked as "out of print," with the exception of the year 1874.

b. *Transactions.*

Of the Society's quarto 'Transactions' only one part was published in 1892, viz. :—

VOL. XIII. PART IV. (April 1892).

On a skull of *Trogontherium cuvieri* from the Forest Bed of East Runton, near Cromer. By E. T. Newton, F.G.S., F.Z.S., Geological Survey. (With one Plate.)

Four more articles ordered by the Committee of Publication to be published in the Transactions are now, however, in print, and will form Parts V., VI., and VII. of the thirteenth Volume. Of these, Part V. has been already issued, and the two remaining parts are in a forward state. The contents of these parts are as follows :—

VOL. XIII. PART V. (February 1893).

Contributions to the Anatomy of the Anthropoid Apes. By Frank E. Beddard, M.A., Prosector to the Society and Lecturer on Biology at Guy's Hospital. (With nine Plates.)

VOL. XIII. PART VI.

On the British Palæogene Bryozoa. By J. W. Gregory, B.Sc., F.Z.S., British Museum (Nat. Hist.). (With four Plates.)

VOL. XIII. PART VII.

On additional Bones of the Dodo and other Extinct Birds of Mauritius obtained by Mr. Theodore Sauzier. By Sir Edward Newton, K.C.M.G., C.M.Z.S., and Hans Gadow, Ph.D., M.A., F.R.S., F.Z.S. (With five Plates.)

Description of a remarkable new Species of *Cidaris* from Mauritius. By F. Jeffrey Bell, M.A., Sec.R.M.S., Professor of Comparative Anatomy and Zoology in King's College.

c. Zoological Record.

The 'Zoological Record,' which contains a summary of the work done in each year by zoologists all over the world, made good progress in 1892.

The 27th volume, being the last of the series edited by Mr. F. E. Beddard, who, as mentioned in the Council's last report, had expressed a wish to be relieved of this duty, was issued to be subscribers early in March 1892.

The 28th volume, being the first brought out by Dr. David Sharp, F.R.S., the new Editor, was ready and issued to the subscribers in October last, being several months before the usual date of publication. The Council are of opinion that the Society's best thanks are due to Dr. Sharp for the care and diligence which he has bestowed upon this volume, and especially for the early period of its appearance, which is a matter of great importance to working zoologists. As already pointed out, a slight derangement of the Society's estimated expenditure was thus occasioned, as two volumes of the 'Record' had to be paid for in the same year, but under the circumstances very little inconvenience was caused by this addition to the annual expenditure.

3. LIBRARY.

Many important additions were made to the Society's Library in 1892, among which attention may be called to the following donations:—

Albert 1st of Monaco. *Résultats des campagnes scientifiques accomplies sur son Yacht par Albert 1^{er} Prince Souverain de Monaco.* Fasc. ii. 1892. Presented by Prince Albert 1st of Monaco.

Boettger. *Katalog der Batrachier-Sammlung im Museum der Senckenbergischen Naturforschenden Gesellschaft in Frankfurt-am-Main.* 1892. Presented by the Senckenbergian Society.

Bolton. *Animal Studies from Life (Photographs).* Vol. i. Presented by Gambier Bolton, Esq.

Bromilow. *Butterflies of the Riviera.* 1892. Presented by the Author.

Catalogue of Scientific Papers (1874-1883). Compiled by the Royal Society of London. Vol. ix. 1891. Presented by the Royal Society of London.

Distant. *A Monograph of the Oriental CICADIDÆ.* Parts v.-vii. 1892. Presented by the Trustees of the Indian Museum.

- Holub. A Collection of Photographs of the Exhibits in the South-African Exhibition, Prag. 1892. Presented by Dr. Emil Holub.
- Insect Life. Edited by C. V. Riley and L. C. Howard. Vol. iv., nos. 5-10; v. no. 2. 1891-92. Presented by the United States Department of Agriculture.
- James. A new List of Chilian Birds. With a preface by P. L. Sclater. 1892. Presented by Mrs. H. B. James.
- Maitland. On stocking rivers, streams, lakes, ponds, and reservoirs with *Salmonidæ*. 4th edition. 1892. Presented by the Author.
- Möhring. Avium Genera. 1752. Presented by Professor Alfred Newton.
- Morant. Chili and the River Plate in 1891. Reminiscences of Travel in South America. 1891. Presented by the Author.
- Morgan. Animal Sketches. 1891. Presented by Edward Arnold, Esq.
- Morphologisches Jahrbuch. Band xviii., xix. Heft. 1, 2. Presented by Prof. Carl Gegenbaur.
- Norske Nordhavs-expedition, 1876-78. Part xxi. Crinoida, Echinida. 1892. Presented by Prof. H. Mohn.
- Przewalski. Wissenschaftliche Resultate der von N. M. Przewalski nach Central-Asien unternommenen Reisen. Band iii. Abth. 2 (Fische), Lief. 3. 1891. Presented by the Imperial Academy of Sciences of St. Petersburg.
- Reed. Compendio de Historia Natural de Chile. 1892. Presented by the Author.
- Salvadori. Catalogue of the Birds in the British Museum. Vol. xx. 1891. Presented by the Trustees of the British Museum.
- Salvin and Hartert. Catalogue of the Birds in the British Museum. Vol. xvi. 1892. Presented by the Trustees of the British Museum.
- Sclater (W. L.). List of Snakes in the Indian Museum. 1891. Presented by the Trustees of the Indian Museum.
- . List of the Batrachia in the Indian Museum. 1892. Presented by the Trustees of the Indian Museum.
- Sharpe and Grant. Catalogue of the Birds in the British Museum. Vol. xvii. 1892. Presented by the Trustees of the British Museum.
- Swinhoe. Catalogue of Eastern and Australian Lepidoptera Heterocera in the Collection of the Oxford University Museum. Part 1. 1892. Presented by the Delegates of the Clarendon Press.
- Tegetmeier. The Poultry Book. 1867. Presented by Robert Benzie, Esq.
- Thomson. British New Guinea. 1892. Presented by Messrs. George Philip and Son.
- Wallace. Island Life. 2nd revised edition. 1892. Presented by the Author.
- Woods. Catalogue of the Type Fossils in the Woodwardian Museum, Cambridge. 1891. Presented by the Trustees of the Woodwardian Museum.
- Workman (T. & M. E.). Malaysian Spiders. Part i. 1892. Presented by the Authors.

The following is a list of the principal zoological works

in course of publication of which parts were purchased in 1892:—

- Anales del Museo de la Plata. Part 1.
 André. Species des Hyménoptères. Fasc. 41.
 Annals and Magazine of Natural History. Ser. 6. Vols. ix., x.
 Annals of Scottish Natural History. Nos. 1-4.
 Auk. Vol. ix.
 Aurivillius. Nordens Fjärilar. Haftet 12.
 Barrett. Lepidoptera of the British Islands. Parts i.-vi.
 Berlese. Acari, Myriapodi e Scorpioni Italiani. Fasc. lxi.-lxx.
 Berliner entomologische Zeitschrift. Band xxxvi. Heft 2; xxxvii. Heft. 1-3.
 Blasius and Hayek. Ornith. Jahrb. vii. Heft 4.
 Bronn's Thierreich. Band ii. Abth. ii. (*Cœlenterata*), Lief. 6-8; Abth. iii. (*Echinodermen*), Lief. 15, 16; Band iv. (*Vermes*), Lief. 18-23; Band v. Abth. ii. (*Arthropoda*), Lief. 32-34; Band vi. Abth. v. (*Mammalia*), Lief. 37-39.
 Bucquoy. Mollusques Marins du Rousillon. Tome ii., fasc. v.-vii.
 Cap Horn. Mission Scientifique du. Tome vi. Zoologie. Mammifères, Crustacés.
 Chyzer et Kulczyński. Araneæ Hungariæ. Tomus i.
 Coupin. Les Mollusques. Fasc. i.-iii.
 Deutsche entomologische Zeitschrift. 1891, Heft 2; 1892, Heft 1.
 Dubois. Faune illustrée des Vertébrés de la Belgique. Ser. ii. Oiseaux. Livr. 48-145.
 Edwards. Butterflies of North America. Ser. 3. Part 12.
 Entomologist. Vol. xxv. Nos. 344-355.
 Entomologist's Monthly Magazine. Ser. 2. Vol. iii. Nos. 25-36.
 Entomologist's Record. Vol. iii. Nos. 1-12.
 Fol. Recueil Zoologique Suisse. Tome v. No. 4.
 Giglioli. Iconografia dell' Avifauna Italica. Fasc. xlvii.-l.
 Godman and Salvin. Biologia Centrali-Americana. Zoology, Parts xcix.-cv.; Archæology, Part iii. (Text and Plates).
 Grandidier. Histoire de Madagascar. Vol. xvi. (*Poissons*), Vol. xxix. (*Plantes*), Tome iii., Atlas ii., Part 2, Fasc. xxvii.
 Hertwig. Lehrbuch der Zoologie. Theil ii.
 Hofmann. Die Raupen der Schmetterlinge Europas. Lief. 14-20.
 Ibis. Ser. vi. Vol. iv.
 Irish Naturalist. Vol. i.
 Journal of Anatomy and Physiology. Vol. xxvi. Nos. 2-4; xxvii. No. 1.
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 ——. Text-book of Comparative Anatomy. Part 1.
 Leech. Butterflies of China, Japan, and Corea. Parts 1, 2.
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 Lilford. British Birds. Parts xxi., xxii.

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- . Eléments d'Anatomie Comparée. Parts i., ii.
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- Retzius. Biologische Untersuchungen. N. F. ii., iii.
- Romanoff. Mémoires sur les Lépidoptères. Tome vi.
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- Schneider. Tablettes Zoologiques. Tome ii. Nos. 3, 4; iii. Nos. 1, 2.
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- Smith and Kirby. Rhopalocera Exotica. Parts xix.-xxii.
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- Tunisie. Exploration Scientifique de la Tunisie. Fourmis. Par C. Emery.
- Veth. Midden-Sumatra. Deel iv. Afl. 6.
- Vogt and Yung. Traité d'Anatomie Comparée. Livr. 19, 20.
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- Weber. Zoologische Ergebnisse einer Reise in Niederländisch Ost-Indien. Band ii. Heft ii.

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 Ward. Horn Measurements and Weights of the Great Game of the World. Royal 8vo. 1892.

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The following is a list of the periodicals received in 1892 from the various Societies and Institutions with which this Society is in correspondence.

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- The New York State Library, Albany.
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 Annual Report of the Museum, 44th.
- The American Academy of Arts and Sciences, Boston.
 Proceedings, n. s., vol. xviii.
- The Boston Society of Natural History, Boston.
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 Memoirs, vol. iv., no. 10.
- The Buffalo Society of Natural Sciences, Buffalo.
 Bulletin, vol. v., no. 3.
- The Museum of Comparative Zoölogy, Harvard College, Cambridge, Mass.
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 Annual Report, 1890-91.
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 Memorias y Revista, tomo v.; and vi., nos. 1, 2.
- The Geological and Natural History Survey of Minnesota, Minneapolis.
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Transactions, vol. xviii., no. 4; xix., nos. 1, 2.
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Salem.**
Proceedings, 40th Meeting, Washington, 1891.
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Annual Report 10.
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**The Zoological and Acclimatization Society of Victoria,
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The Australian Museum, Sydney.

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The Linnean Society of New South Wales, Sydney.

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The New-Zealand Institute, Wellington.

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The Imperial Academy of Sciences, Vienna.

Denkschriften, Band lviii.

Sitzungsberichte, Band c., Heft. 1-7.

The Zoological and Botanical Society, Vienna.

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Journal, lx., part 2, nos. 2-4; lxi., part 2, nos. 1, 2.

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FRANCE.

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The Natural History Society, Toulouse.

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The Quekett Microscopical Club, London.

Journal, ser. 2, vol. iv., no. 30; v., no. 31.

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Aarshefter, xiv.

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WEST INDIES.

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Journal, vol. i., nos. 2-4.

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The Trinidad Field Naturalists' Club, Port-of-Spain.

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Donations, Memoirs, and Papers have also been received from :—Señ. F. Ameghino ; the Editors of the ‘American Journal of Science’ ; the Editors of the ‘American Naturalist’ ; the International Congress of Archæology ; the Editors of the ‘Athenæum’ ; the Australian Museum ; Dr. J. Bedriaga ; Dr. H. Bolau ; Mons. A. Boucard ; John Brazier, Esq. ; the British Museum ; A. W. Butler, Esq. ; John Calvert, Esq. ; the Geological and Natural History Survey of Canada ; Prof. G. Canestrini ; W. E. Collinge, Esq. ; the Editor of the ‘Conchologist’ ; W. H. Dall, Esq. ; Messrs. Day and Son ; Mons. A. Dollfuss ; Hr. C. F. Drechsel ; the East India Association ; D. G. Elliot, Esq. ; Sir Joseph Fayrer ; Shrimant Sampatrao K. Gaikwad ; Prof. C. Gegenbaur ; the Great Eastern Railway Company ; Dr. Emil Holub ; Capt. F. W. Hutton ; the Indian Museum ; J. E. Ives, Esq. ; the Editors of the ‘Journal of Comparative Medicine and Veterinary Archives’ ; the Editors of the ‘Journal de Conchyliologie’ ; Dr. C. Kerbert ; the Liverpool Free Public Library ; the Lübeck Natural History Museum ; Prof. O. C. Marsh ; the Geological and Natural History Survey of Minnesota ; Prof. K. Möbius ; Señ. F. P. Moreno ; the Editors of ‘The Naturalist’ ; the Editors of ‘Nature’ ; B. G. Nevinson, Esq. ; Prof. Alfred Newton ; the New York State Library ; the Colonial Museum and Geological Survey of New Zealand ; the N.W.P. and Oudh Provincial Museum ; A. J. North, Esq. ; the Editors of the ‘Open Court’ ; Mons. E. Oustalet ; Hr. G. C. J. Petersen ; the Zoological Society of Philadelphia ; Bernard Quaritch, Esq. ; the Queensland Government ; Dr. Percy Rendall ; the Editors of the ‘Revue Britannique’ ; Dr. L. Rüttimeyer ; Dr. R. F. Scharff ; Hr. J. D. E. Schmeltz ; P. L. Sclater, Esq. ; Prof. H. G. Seeley ; H. H. Sharland, Esq. ; Dr. D. Sharp ; Dr. R. W. Shufeldt ; the Smithsonian Institution ; the South African Museum ; the Stavanger Museum ; Dr. Michele Stossich ; Dr. O. Taschenberg ; the United States Department of Agriculture ; the United States Geological Survey ; University College ; J. Vaughan, Esq. ; the Royal College of Veterinary Surgeons ; F. H. Waterhouse, Esq. ; H. T. Wharton, Esq. ; Edward Whymper, Esq. ; and the International Congress of Zoology.

III. GARDENS, REGENT'S PARK.

1. WORKS AND REPAIRS.

No new buildings were erected in the Gardens during the year 1892, but the staff of workmen was kept busily engaged in repairs and renewals throughout the year. Amongst the buildings to which special attention was paid may be mentioned the Kites' Aviary, the Raccoons' Cages, the Small-Mammals' House, the Gazelle-sheds, and the Vultures' Aviary, all of which were thoroughly repaired and painted. Besides this the Band-stand was repaired and painted; the gravel in the Sheep-yard was removed and replaced by concrete, which was found to be better suited to the health and comfort of these animals; the Refreshment-stand at the Bear-pit was enlarged, painted, and thoroughly renovated; and the rockwork in the Markhore's enclosure was improved and repaired, the surrounding fence was painted, and a new roof was fixed upon the building. In the Reptile-house the window-sashes and door-frames on the south side were repaired and painted, and the doors were grained and varnished. At the main entrance and at the south gate the lodges and entrances were painted and thoroughly repaired. Several of the Greenhouses belonging to the Garden Establishment were thoroughly repaired and painted, and in one case the roof was raised in order to give greater space for the plants. Besides these works a considerable expenditure was incurred in gravelling and making good the numerous walks and paths, and in repairing and painting the rat-proof fences surrounding the Duck-paddocks, the Three-Island pond, and the Night-Herons' Aviary. In the last-mentioned enclosure it was found expedient for the good of its inmates to fill up the old pond, which existed in it when the roof was first put over the enclosure, and to make in its place several shallow ponds, where the Flamingoes and other wading birds have a better opportunity of enjoying themselves.

2. STAFF.

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

It consists of a Superintendent and Assistant Superintendent, a Head Keeper and twenty-two Keepers, three Money-takers, a Store-keeper, a Prosector's Assistant, and a Head Gardener—altogether 31 persons, employed at monthly salaries. Besides these there are 23 Helpers in the Menagerie, 12 Garden-labourers, 7 Artisans, 8 Painters, 10 Labourers, 1 Butcher, 2 Firemen, 2 Night-Watchmen, 1 Time-keeper, and 2 Messengers, employed at weekly wages; so that the number of the whole staff may be reckoned at about one hundred persons.

3. VISITORS.

The number of visitors to the Society's Gardens in 1892 was 605,718. The corresponding number in 1891 was 598,730, showing an increase of 6988 entrances. A comparison between the different categories into which the visitors are divided is given in the subjoined Table.

Visitors to the Gardens.

	1892.	1891.	Comparison.	
Fellows and Friends	167,484	160,165	Incr. 7,319	
Paying {	On ordinary days at 1s. each.	137,352	142,842	Decr. 5,490
	On Mondays and other days at 6d. each	237,093	215,081	Incr. 22,012
	Children under 12 years at 6d. each	44,807	45,832	Decr. 1,025
School Children (admitted free).....	18,982	34,810	Decr. 15,828	
	605,718	598,730	Incr. 6,988	

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 1892.

Number of Visitors to the Gardens, 1828-92.

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

* 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 of the Society (Mr. F. E. Beddard, F.R.S.) reports as follows:—

The deaths during the past year have been 862 in number, being 40 in excess of the number of deaths during 1891. Of these the more important were—a Lioness, a male Cheetah, two common Zebras, an Aard Wolf, a male Beatrix Antelope, and the last surviving Giraffe. Materials for Museum and other purposes have been supplied to Dr. Campbell, Mr. F. G. Parsons, Dr. A. Thomson (Oxford), the Owens College, and Dr. A. Keith.

Two gentlemen have utilized the students' rooms for carrying on investigations. Mr. F. G. Parsons, F.Z.S., has been studying the comparative myology of the Rodents; and Mr. P. Chalmers Mitchell, F.Z.S., has commenced an investigation upon the spleen of the Vertebrata.

5. MENAGERIE.

a. *Additions to the Menagerie in 1892.*

The number of animals belonging to the first three classes of Vertebrates living in the Society's Menagerie at the close of 1892 was 2413. The corresponding number on the 31st of December, 1891, was 2232, as will be seen by the following Table:—

	December 31.		Comparison.
	1892.	1891.	
Mammals.....	650	630	Incr. 20
Birds	1,397	1,346	Incr. 51
Reptiles	366	256	Incr. 110
	2,413	2,232	Incr. 181

The total number of registered additions to the Menagerie in 1892 was 1335, of which 698 were acquired by presentation, 315 by purchase, 141 were bred in the Gardens, 142 were received on deposit, and 39 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
1891.	694	199	104	138	38	1173
1892.	698	315	141	142	39	1335

The following is a list of the principal additions made to the Menagerie during the year 1892:—

1. Two Short-winged Tyrants (*Machetornis rixosa*), purchased Feb. 15th, being the first examples of this bird that have reached us.

2. A female Beatrix Antelope (*Oryx beatrix*) from Arabia, presented by Lieut.-Col. Talbot, Feb. 18th.

3. A pair of the rare and beautiful Passerine bird the Grey Coly-Shrike (*Hypocolius ampelinus*) from Fao, Persian Gulf, presented by W. D. Cumming, Esq., C.M.Z.S., and received May 9th. We had previously received from the same donor a male of this bird, which is still alive and in splendid condition.

4. A young male Hippopotamus, born in the Zoological Gardens, Antwerp, on the 6th of September, 1891, and received July 5th, 1892.

5. A young Gibbon from Hainan, South China, of a uniform black colour, belonging to the species recently described as *Hylobates hainanus*. The Society are indebted to Mr. Julius Neuman, of Hoihow, Hainan, China, for this interesting acquisition, which is new to the Collection.

6. A young male Malayan Tapir (*Tapirus indicus*) from Tavoy, Burmah, presented by Col. F. M. Jenkins, C.M.Z.S.

7. A very large male Ostrich (*Struthio camelus*) from West Africa, presented by H.M. The Queen, and received October the 7th. It is stated to have been forwarded to Mr. Alfred L. Jones of Liverpool, by his agent at Sierra Leone, by whom it was obtained from King Samadou (or Samory), about 500 miles in the interior.

8. A specimen of what appears to be a new and undescribed Monkey of the genus *Cercopithecus*, which it is proposed to call Stairs's Monkey (*Cercopithecus stairsi*), obtained by Dr. Joseph A. Moloney at Chindi, on the Lower Zambesi, when returning to this country in company with Stairs's expedition.

9. A large series of specimens of Mammals, Birds, and Reptiles brought back by Mr. Frank Finn, F.Z.S., on his recent return from a zoological expedition to Zanzibar. These animals were given into Mr. Finn's charge by General Mathews, C.M.G., Dr. W. H. B. MacDonald, Mr. R. MacAllister, Mr. F. Pordage, and other Correspondents of the Society at Zanzibar and Mombasa. Amongst them were examples of the Puisa Ichneumon (*Bdeogale puisa*), the Black Gallinule (*Limnocorax niger*), the Madagascar Pratincole (*Glareola ocularis*), Grant's Francolin (*Francolinus granti*), and of other species new to the Society's collection.

10. Two Ypecaha Rails (*Aramides ypecaha*) from Brazil, purchased Oct. 24, new to the Society's collection.

b. *Loss of the surviving Giraffe.*

Among the deaths of animals in 1892, the Council regret to have to announce that of the last remaining individual of the stock of Giraffes, a male, purchased Jan. 27th, 1879. We are now, therefore, for the first time since the arrival of the four original Giraffes on the 24th of May, 1836, without any representative of this Mammal in our series. Nor does there seem to be at present much chance of our being able to supply the deficiency. Owing to the closure of the Soudan by the Mahdists the supplies of this and other large African Mammals, which were formerly obtained *via* Cassala and Suakim, have ceased, and, so far as can be ascertained, there are now no living Giraffes in the European market. From the subjoined table it will be seen that there have been 30 individuals of the Giraffe in the Society's Gardens since 1836, of which 17 were born there, and 13 acquired by purchase. Of these thirty, one was presented to the Royal Zoological Society of

Ireland in 1844, five have been sold at prices varying from £450 to £150, and the remainder have died in the Gardens.

List of Giraffes that have lived in the Society's Gardens.

No.	Sex.	How obtained.	How disposed of.
1.	♀	Imported May 24, 1836.	Died Oct. 15, 1852.
2.	♂	Do. do.	" Oct. 29, 1846.
3.	♂	Do. do.	" Jan. 14, 1849.
4.	♂	Do. do.	" Jan. 6, 1837.
5.	♂	Born in the Menagerie, June 19, 1839.	" June 28, 1839.
6.	♂	Born in the Menagerie, May 24, 1841.	Presented to the Dublin Zoological Society, June 14, 1844.
7.	♂	Do. do. Feb. 25, 1844.	Died Dec. 30, 1853.
8.	♂	Do. do. April 22, 1846.	" Jan. 22, 1867.
9.	♂	Do. do. Feb. 12, 1849.	Sold April 27, 1850.
10.	♀	Imported June 29, 1849.	Died Nov. 3, 1856.
11.	♀	Do. do.	Sold Oct. 29, 1853.
12.	♂	Born in the Menagerie, March 30, 1852.	" March 29, 1853.
13.	♀	Do. do. April 25, 1853.	Died May 21, 1872.
14.	♀	Do. do. May 7, 1855.	" Nov. 6, 1866.
15.	♀	Do. do. July 16, 1859.	" Dec. 2, 1859.
16.	♀	Do. do. May 26, 1861.	Sold May 1, 1863.
17.	♀	Do. do. Oct. 7, 1861.	Died Dec. 18, 1861.
18.	♀	Do. do. May 8, 1863.	" Nov. 18, 1863.
19.	♀	Do. do. Sept. 24, 1863.	" April 21, 1864.
20.	♀	Do. do. March 31, 1865.	" April 3, 1865.
21.	♀	Do. do. April 20, 1865.	Sold May 31, 1866.
22.	♀	Do. do. Sept. 14, 1866.	Died Nov. 6, 1866.
23.	♀	Do. do. March 17, 1867.	" June 20, 1881.
24.	♀	Purchased July 23, 1867.	" Sept. 12, 1869.
25.	♀	Do. Jan. 5, 1871.	" April 27, 1874.
26.	♀	Do. Oct. 11, 1871.	" May 21, 1878.
27.	♀	Do. July 25, 1874.	" Jan. 8, 1879.
28.	♀	Do. do.	" July 9, 1886.
29.	♀	Do. do.	" Nov. 24, 1891.
30.	♂	Do. Jan. 27, 1879.	" March 22, 1892.

c. Provisions consumed in the Menagerie in 1892.

Many inquiries being made as to how the animals are fed, the Council have extracted the subjoined list of one year's supply of provisions from the Storekeeper's books:—

Provisions consumed in the Society's Menagerie during 1892.

Clover Hay	105½ loads.	Whiting.....	36,600	lbs.
Meadow Hay.....	153 "	Rough Fish	10,080	"
Barley	29 qrs.	Shrimps.....	630	quarts.
Oats	130 "	Fowls' heads.....	7560	"
Wheat	45¼ "	Sugar	400	lbs.
Beans	6¼ "	Raisins	192	"
Maize	73 "	Currants	70	"
Bran	343 "	Figs	156	"
Canary	10¾ "	Tares	2641	bunches.
Hemp.....	8¼ "	Greens	4584	"
Rape	5¾ "	Bananas.....	1110	doz.
Maize.....	28 "	Apples	152	bushels.
Millet.....	3½ "	Pears	140	sieves.
Buckwheat.....	7 "	Grapes	1032	lbs.
Ground Nuts.....	35¾ cwt.	Dates	1250	"
Oilcake	69 "	Lettuce	609	doz.
Meal	4 "	Potatoes.....	88	cwt.
Bread	4739 qtns.	Carrots	139	"
Milk	6072 quarts.	Oranges	134½	hundred.
Biscuit	292 cwt.	Cress	2602	bunches.
Rice	88 "	Nuts	14	bushels.
Eggs	18,950	Onions	5	"
Horses	230	Cherries.....	20	baskets.
Goats.....	152	Marrows.....	17	doz.
Flounders	2196 lbs.	Melons	50	"

d. List of Species new to the Collection exhibited during the year 1892.

The following list contains the specimens exhibited in 1892 which are referable to species not included in the last (eighth) edition of the List of Animals.

i. MAMMALS.

3 a. Hylobates hainanus, Thomas. Hainan Gibbon.
Hab. Southern China.

a. Presented by Julius Neumann, Esq., July 26, 1892.
See P. Z. S. 1892, p. 541.

24 b. Cercopithecus stairsi, Sclater. Stairs's Monkey.
Hab. Lower Zambesi.

a. Presented by Dr. Joseph A. Moloney, Oct. 11, 1892.
See P. Z. S. 1892, p. 580, pl. xl.

- 122 a. *Lemur coronatus*, Gray. Crowned Lemur.
Hab. Madagascar.
 a, b. Purchased, Aug. 17, 1892.
- 203 a. *Herpestes albicauda*, F. Cuvier. White-tailed
 Ichneumon.
Hab. East Africa.
 a. Presented by F. Pordage, Esq., July 22, 1892.
- 203 b. *Bdeogale puisa*, Peters. Puisa Ichneumon.
Hab. East Africa.
 a. Presented by General Mathews, C.M.G., Oct. 12, 1892.
 See P. Z. S. 1892, p. 581.
- 258 a. *Ictonyx lybica* (Schreber). Libyan Zorilla.
Hab. N.E. Africa.
 a. Presented by Capt. W. W. Besant (Norfolk Reg.).
 Sept. 13, 1889. Caught in the desert near Suakim,
 b. Presented by Dr. John Anderson, F.R.S., F.Z.S., June
 30, 1892. From Egypt.
- 290 b. *Otaria californiana* (Less.). Californian Sea-Lion.
Hab. North Pacific Ocean.
 a. Male. Deposited, Aug. 11, 1892.
- 344 a. *Pteromys oral*, Tickell. Large Brown Flying
 Squirrel.
Hab. India.
 a. Presented by W. M. Daly, Esq., July 18, 1892.
 From Mysore.
- 364 b. *Gerbillus pyramidum* (Geoffr.). Larger Egyptian
 Gerbille.
Hab. North Africa.
 a, b. Presented by Dr. John Anderson, F.R.S., F.Z.S.
 May 11, 1892.

364 c. *Gerbillus ægyptius*, Desm. Lesser Egyptian Gerbille.

Hab. North Africa.

a-f. Presented by Dr. John Anderson, F.R.S., F.Z.S.,
May 11, 1892.

366 a. *Psammomys obesus*, Rüppell. Fat Sand-Rat.

Hab. North Africa.

a, b. Presented by Dr. John Anderson, F.R.S., F.Z.S.,
May 11, 1892.

ii. BIRDS.

105 a. *Euphonia chlorotica* (Linn.). Greenish Tanager.
Hab. Brazil.

a. Purchased, Aug. 11, 1892.

106 a. *Hypophæa chalybea* (Mikan). Lead - coloured Tanager.

Hab. Brazil.

a. Male. Purchased, Aug. 11, 1892.

106 b. *Tanagrella cyanomelana* (Max.). Blue-and-Black Tanager.

Hab. S.E. Brazil.

a. Purchased, Feb. 29, 1892.

168 a. *Donacola pectoralis* (Gould). White-breasted Finch.

Hab. Australia.

a, b. Purchased, Jan. 1, 1892.

247 a. *Fringillaria saharæ*, Tristr. Sahara Bunting.

Hab. North Africa.

a. Male; *b.* Female. Presented by Lord Lilford, F.Z.S.,
Nov. 12, 1892.

- 405 a. *Alauda caelivox*, Swinhoe. Sweet-voiced Lark.
Hab. China.
 a. Presented by Gervase F. Mathew, Esq., R.N., F.Z.S.,
 Sept. 28, 1892.
- 414 a. *Machetornis rixosa* (Vieill.). Short-winged Tyrant.
Hab. South America.
 a, b. Purchased, Feb. 15, 1892. See P. Z. S. 1892,
 p. 174.
- 789 a. *Spizaëtus bellicosus* (Daud.). Martial Hawk-Eagle.
Hab. South Africa.
 a. Presented by T. White, Esq., Oct. 24, 1892.
- 799 a. *Accipiter rufiventris*, Smith. Red-bellied Sparrow-
 Hawk.
Hab. South Africa.
 a. Purchased, March 10, 1892.
- 834 a. *Rostrhamus sociabilis*, d'Orb. Sociable Marsh-
 Hawk.
Hab. South America.
 a. Purchased, Feb. 15, 1892.
- 888 a. *Ardea novæ-hollandiæ*, Lath. White-faced Heron.
Hab. Australia.
 a. Purchased, May 3, 1892.
- 1047 a. *Treron delalandii* (Bonap.). Delalande's Fruit-
 Pigeon.
Hab. East Africa.
 a. Presented by General Mathews, C.M.G., Oct. 12, 1892.
- 1051 b. *Columba laurivora*, Webb et Berthelot. Canarian
 Laurel Pigeon.
Hab. Island of Gomera, Canary Islands.
 a. Deposited, Oct. 3, 1892.

1068. *Haplopelia larvata* (Temm.). Rufous-necked
Wood-Dove.
Hab. South Africa.
a, b. Presented by W. H. Wormald, Esq., C.M.Z.S.,
July 18, 1892.
- 1146 *a.* *Francolinus granti*, Hartlaub. Grant's Francolin.
Hab. East Africa.
a, b. Presented by F. Pordage, Esq., Oct. 12, 1892.
- 1146 *b.* *Francolinus leucoscepus*, Gray. White-shafted
Francolin.
Hab. N.E. Africa.
a-c. Presented by Col. Sir Hotted Smith, K.C.M.G.,
C.B., C.M.Z.S., July 14, 1892.
- 1281 *a.* *Aramides ypecaha* (Vieillot). Ypecaha Rail.
Hab. South America.
a, b. Purchased, Oct. 24, 1892.
c-f. Purchased, Nov. 25, 1892.
- 1291 *a.* *Limnocorax niger* (Lath.). Black Gallinule.
Hab. East Africa.
a, b. Presented by General Mathews, C.M.G., Oct. 12,
1892. See P. Z. S. 1892, p. 581.
1358. *Glareola ocularis*, Verreaux. Madagascar Pratin-
cole.
Hab. East Africa.
a. Presented by R. MacAllister, Esq., Oct. 12, 1892.
- 1430 *a.* *Calodromas elegans* (d'Orb. et Geoffr.). Marti-
neta Tinamou.
Hab. Argentine Republic.
a-c. Presented by T. W. Horn, Esq., Aug. 8, 1892.
From Bahia Blanca.

iii. REPTILES.

98 *d.* *Hemidactylus mabouia* (Merr.). Tropical Gecko.
Hab. Africa.

a-e. Presented by Frank Finn, Esq., F.Z.S., Oct. 12, 1892.

99 *a.* *Gecco verticillatus*, Laur. Verticillated Gecko.
Hab. Burmah and Malay Region.

a-c. Presented by W. G. Bligh, Esq., Nov. 1, 1892.

102 *c.* *Lialis burtoni*, Gray. Burton's Lizard.
Hab. Australia.

a. Deposited, June 10, 1892.

133 *b.* *Mabouia striata* (Peters). Striated Lizard.
Hab. East Africa.

a-c. Presented by Frank Finn, Esq., F.Z.S., Oct. 12,
1892.

133 *c.* *Eumeces schneideri* (Daud.). Schneider's Skink.
Hab. N. Africa and S.W. Asia.

a. Presented by Dr. John Anderson, F.R.S., F.Z.S.,
May 26, 1892. From Egypt.

133 *d.* *Scincus officinalis*, Laur. Common Skink.
Hab. North Africa.

a-e. Presented by Dr. John Anderson, F.R.S., F.Z.S.,
May 26, 1892. From Egypt.

176 *a.* *Chamæleon teniobronchus*, Smith. Fringed Cha-
meleon.

Hab. South Africa.

a, b. Presented by Charles W. Heaton, Esq., Aug. 22,
1892. From Natal.

- 176 b. *Chamaeleon parvilobus*, Gray. Lobed Chameleon.
Hab. S.E. Africa.
 a. Presented by Charles W. Heaton, Esq., Aug. 22, 1892.
 From Natal.
- 219 a. *Liophis regina* (Linn.). Royal Snake.
Hab. South America.
 a. Presented by Messrs. W. F. Urich and R. R. Mole,
 Aug. 4, 1892. From Trinidad.
- 244 a. *Spilotes corais* (Cuvier). Yellow-tailed Rat-Snake.
Hab. South America.
 a. Presented by Messrs. W. F. Urich and R. R. Mole,
 Aug. 4, 1892. From Trinidad.
- 255 a. *Philothamnus semivariegatus*, Smith. Varied Bush-
 Snake.
Hab. S.E. Africa.
 a. Presented by W. Hall Buxton MacDonald, Esq., M.D.,
 Oct. 12, 1892.
- 265 a. *Ramphiophis oxyrhynchus* (Reinh.). Sharp-
 snouted Snake.
Hab. East Africa.
 a. Presented by D. Wilson, Esq., Sept. 17, 1892.
- 272 a. *Scytale coronatum*, Merrem. Crowned Snake.
Hab. South America.
 a. Presented by Messrs. W. F. Urich and R. R. Mole,
 Aug. 4, 1892. From Trinidad.
- 281 a. *Pseudonaja nuchalis*, Gray. North - Australian
 Banded Snake.
Hab. N. Australia.
 a. Purchased, June 10, 1892.

iv. BATRACHIANS.

24 a. *Hylambates maculatus*, A. Dum. Spotted Tree-Frog.

Hab. East Africa.

a-d. Presented by General Mathews, C.M.G., Oct. 12, 1892.

e. List of Animals bred in the Gardens during the year 1892.

MAMMALS.

- 2 Black-eared Marmosets (*Hapale penicillata*).
- 11 Dingos (*Canis dingo*).
- 2 Shaw's Gerbilles (*Gerbillus shawi*).
- 7 Coypus (*Myopotamus coypus*).
- 1 Crested Porcupine (*Hystrix cristata*).
- 1 Burchell's Zebra (*Equus burchelli*).
- 1 African Wild Ass (*Equus tæniopus*).
- 1 Yak (*Poëphagus grunniens*).
- 1 Gayal (*Bibos frontalis*).
- 1 Eland (*Oreas canna*).
- 1 Persian Gazelle (*Gazella subgutturosa*).
- 2 Angora Goats (*Capra hircus*, var.).
- 2 Thars (*Capra jemlaica*).
- 2 Burrhel Wild Sheep (*Ovis burrhel*).
- 1 Barbary Wild Sheep (*Ovis tragelaphus*).
- 1 Indian Muntjac (*Cervulus muntjac*).
- 4 Wapiti Deer (*Cervus canadensis*).
- 3 Japanese Deer (*Cervus sika*).
- 1 Axis Deer (*Cervus axis*).
- 2 Mule Deer (*Cariacus macrotis*).
- 1 Reindeer (*Rangifer tarandus*).
- 10 Indian Wild Swine (*Sus cristatus*).
- 1 Great Kangaroo (*Macropus giganteus*).
- 1 Red Kangaroo (*Macropus rufus*).
- 1 Bennett's Wallaby (*Halmaturus bennetti*).
- 1 Vulpine Phalanger (*Phalangista vulpina*).

BIRDS.

- 1 Black-fronted Weaver-bird (*Hyphantornis velatus*).
 8 Hybrid Greenfinches (between *Ligurinus chloris* and
Fringilla kawarahibi).
 4 Upland Geese (*Bernicla magellanica*).
 1 Variegated Sheldrake (*Tadorna variegata*).
 6 Australian Wild Ducks (*Anas superciliosa*).
 7 Chilean Pintails (*Dafila spinicauda*).
 6 Mandarin Ducks (*Æx galericulata*).
 5 Summer Ducks (*Æx sponsa*).
 1 Turtle-Dove (*Turtur communis*).
 1 Cambayan Turtle-Dove (*Turtur senegalensis*).
 1 Bronze-winged Pigeon (*Phaps chalcoptera*).
 6 Himalayan Monauls (*Lophophorus impeyanus*).
 1 Cheer Pheasant (*Phasianus wallichii*).
 4 Temminck's Tragopans (*Cerionis temmincki*).
 2 Greater Black-backed Gulls (*Larus marinus*).
 1 Yellow-legged Herring-Gull (*Larus cachinnans*).

REPTILES.

- 16 Puff-Adders (*Vipera arietans*).
 7 Striped Snakes (*Tropidonotus sirtalis*).

f. *List of Donors and their Donations for the
 year 1892.*

Her Majesty the Queen.

One Ostrich.

Addiscott, Mrs.

One Roseate Cockatoo, one King Parrakeet.

Allen, Frank, Esq.

One Kestrel.

Amsler, A. M., Esq.

Two Yellow-bellied Toads.

Anderson, Dr. John, F.R.S., F.Z.S.

One Libyan Zorilla, two Egyptian Jerboas, one Hairy-footed Jerboa, four Shaw's Gerbilles, two Larger Egyptian Gerbilles, six Lesser Egyptian Gerbilles, two Fat Sand-Rats, six Leith's Tortoises, one Grey Monitor, one Schneider's Skink, five Common Skinks,

- one Egyptian Eryx, two Clifford's Snakes, one His-
sing Sand-Snake.
- Annan, R. Thorn, Esq.
One Crowned Horned Lizard.
- Anstruther, Keith, Esq., C.M.Z.S.
One Guinea Baboon, one Bateleur Eagle, one Puff-
Adder.
- Arrowsmith, Mr. A. W.
Two Weaver-birds.
- Bagot-Chester, Col.
Two Common Peafowl.
- Baillon, E. F., Esq.
One Bauer's Parrakeet.
- Balfour, Miss.
One Chough.
- Banfater, E. H., Esq.
One Wild Boar.
- Barber, J. E., Esq.
One Grey Ichneumon.
- Barnes, Lieut. H. E., F.Z.S.
One Bonham's Partridge.
- Barrett, Master H. H.
One Vulpine Phalanger.
- Baxter, J. C., Esq.
One Golden Eagle.
- Beaufort, The Rev. A. D.
Two Macaque Monkeys.
- Bell, J., Esq.
One Toque Monkey.
- Benn, I. Hamilton, Esq.
One Hairy Armadillo.
- Bensusan, S. L., Esq.
One Common Chameleon.
- Bergassie, Mr. L.
Two Common Kestrels.
- Betts, Mrs. K.
One Squirrel Monkey.
- Bewes, Mrs. Wyndham.
One Grey Ichneumon.
- Blaauw, F. E., Esq., C.M.Z.S.
One Hybrid Grey-Lag Goose.
- Blackburn, Miss L.
One Brown Capuchin.
- Blake, Sir Henry Arthur, K.C.M.G.
Two Sharp-nosed Crocodiles.

- Blellock, J., Esq.
One Crested Porcupine.
- Bligh, W. G., Esq.
Three Verticillated Geckos.
- Bond, E., Esq.
One Alexandrine Parrakeet.
- Bowditch, Mr. H. D.
One Macaque Monkey.
- Bowen, Miss Lota.
One Herring-Gull.
- Bowles, W. G., Esq.
One Green Monkey.
- Brewerton, E., Esq.
One Water Viper.
- Bridge, G. E., Esq.
One Macaque Monkey.
- Brinsmead, J., Esq., F.Z.S.
Two Virginian Opossums.
- Brooke, Sir Douglas, Bart., F.Z.S.
One Japanese Deer.
- Brown, F. E., Esq.
One Greater Sulphur-crested Cockatoo.
- Brown, J. Hall, Esq.
One Rhesus Monkey.
- Browne, C., Esq.
Two Common Vipers, four Common Snakes, one
Slow-worm.
- Bruce, Robert, Esq.
One Tiger.
- Buckingham, J., Esq.
One Lesser Sulphur-crested Cockatoo.
- Burhán úd din Khot, Shekh.
One Four-horned Antelope.
- Butler, Mr. W.
One Common Badger.
- Carew, The Hon. G.
One Vulpine Squirrel.
- Carr, Miss.
One Wedge-tailed Eagle.
- Carrington, C., Esq.
One Ring-tailed Coati.
- Carr-Ellison, Capt. Ralph H.
Two Black-backed Jackals.
- Carter, G. T., Esq., C.M.G., C.M.Z.S.
One Broad-fronted Crocodile.

- Chaloner, The Rev. J.
One Magellanic Goose.
- Chidley, Miss.
Two European Pond-Tortoises.
- Chittenden, John F., Esq., C.M.Z.S.
One Red Howler.
- Coggin, P. F., Esq.
Two Pike.
- Coleman, G. B., Esq.
One Common Jay, three Sand-Lizards, one Natter-
jack Toad, two Common Toads, five Yellow-bellied
Toads, one Edible Frog, six Crested Newts, three
Palmated Newts.
- Collier, Frederic, Esq., F.Z.S.
One Otter.
- Comolli, Mrs.
Two Common Marmosets.
- Conquest, George, Esq.
One Grivet Monkey.
- Cooke, A. C., Esq.
One Common Raccoon.
- Copleston, Mr. W. S.
Four Alligators.
- Corfield, Master F.
Two Common Squirrels.
- Cornwall, Mr. J.
One Common Chameleon.
- Cossavella, Mr. L.
One Blackbird, one Rock Thrush, two Solitary
Thrushes, one Nightingale, one Common Jay, one
Ortolan Bunting.
- Cotton, T. A., Esq., F.Z.S.
Three Herring-Gulls, six Common Gulls, five Black-
headed Gulls, one Merlin, nine Common Vipers.
- Cottrell, La Comtesse.
Two Blossom-headed Parrakeets.
- Cox, Harding, Esq., F.Z.S.
Two Jackdaws.
- Crick, Mrs.
One Common Squirrel.
- Cullingford, A. H., Esq., F.Z.S.
One Indian Cobra, one Indian Rat-Snake.
- Cumming, W. D., Esq., C.M.Z.S.
One Common Jackal, two Grey Coly-Shrikes.

- Cunliffe, Major W. H.
One Himalayan Bear.
- Daly, W. M. Esq.
One Large Brown Flying-Squirrel.
- Darvall, Lieut.-Col. R. F., F.Z.S.
One Jackdaw.
- Davidson, Mrs.
One Common Chameleon.
- Davis, Dr.
One Gannet.
- Day, Mr. E.
One Macaque Monkey.
- Dicconson, Charles C., Esq., F.Z.S.
One Humboldt's Lagothrix.
- Dodman, R., Esq.
One Rhesus Monkey.
- Dormer, Lord, F.Z.S.
Two Palm Squirrels.
- Douce, Mr.
One Three-striped Paradoxure.
- Drew, C. C., Esq.
One Rhesus Monkey.
- Dunbar, Capt. F. G., R.N.
One Long-nosed Crocodile.
- Dunn, Miss Nora.
One Common Fox.
- Duppa, Miss.
One Slender-billed Cockatoo.
- Eames and Earle, Drs., R.N.
One Entellus Monkey.
- Elgee, Mrs.
One Purple-faced Monkey.
- Elphinstone, The Lady Wm. Osborne, F.Z.S.
Two Black Swans.
- Emlyn, C. W., Esq.,
One Rhesus Monkey.
- Eriksen, Capt. G.
One Tuatera Lizard.
- Erskine, the Hon. F.
Four Coqui Francolins.
- Evans, Capt. E. J.
Four Poë Honeyeaters.
- Farmborough, Percy W., Esq., F.Z.S.
Six Common Lizards, one Slow-worm.

- Faulding, W. F., Esq.
One Macaque Monkey.
- Faulkner, Charles, Esq.
One Common Jay.
- Feilden, Col. H. W., C.M.Z.S.
Three North-American Turkeys.
- Ferrier, Dr. David, F.R.S., F.Z.S.
One Black Kite, one Egyptian Vulture.
- Findlay, Capt. E. A., R.N.R.
One Bennett's Wallaby.
- Finn, Frank, Esq., F.Z.S.
One Galeated Pentonyx, one Nilotic Monitor, two
Greater Skinks, five East-African Geckos, three Stri-
ated Lizards, two Smooth-clawed Frogs.
- Fisk, The Rev. G. H. R., C.M.Z.S.
One Tuberculated Tortoise, one Tent Tortoise, two
Fisk's Tortoises, one Robben-Island Snake.
- Fitzgerald, Mrs.
One Nutmeg Fruit-Pigeon.
- Fitzgerald, Lucius, Esq.
One Common Fox.
- Fox, Miss Daisy.
One Palm-Squirrel.
- Fox, Miss Edith M.
Two Red-crested Cardinals.
- Frances, the Rev. W. B. K.
One Black-crested Cardinal.
- Frazer, Mrs.
One Great Kangaroo.
- Galbraith, Mr.
One Half-collared Dove.
- Gibbons, J. S., Esq.
One Roseate Cockatoo.
- Godfrey, Mrs. Robert.
One Diana Monkey.
- Grenfell, Pascoe Du Pré, Esq., F.Z.S.
One Rhesus Monkey.
- Grigs, George, Esq.
One Small Hill-Mynah.
- Haines, Gregory, Esq.
Two Ravens.
- Haines, The Rev. F. W.
Two Green Lizards, three Viperine Snakes.
- Haji Bakir Faki.
One Four-horned Antelope.

- Hanauer, H., Esq., F.Z.S.
One Pine-Martens.
- Hart, E. Aubrey, Esq.
One Long-eared Fox.
- Harting, J. E., Esq., F.Z.S.
Six Short-tailed Voles.
- Hawtayne, J. F., Esq.
Six African Scorpions.
- Hayley, J. Newton, Esq.
One Red Deer.
- Hayward, A. J., Esq.
One Rhesus Monkey.
- Heald, H. B., Esq.
One Macaque Monkey.
- Heaton, C. W., Esq.
Two Fringed Chameleons, one Lobed Chameleon.
- Heinekey, The Misses.
Two Ring-necked Parrakeets.
- Hellberg, T., Esq.
One Gould's Monitor, one Stump-tailed Lizard.
- Hely-Hutchinson, Sir Walter F., K.C.M.G.
One Common Boa.
- Hennah, Mrs.
One Roseate Cockatoo, one Grey Parrot.
- Henniker, W. H., Esq.
One Lesser White-nosed Monkey.
- Hewby, W. P., Esq.
One Patas Monkey.
- Higgins, Miss Kate.
One Common Chameleon.
- Hilder, Mrs. Edith.
One Fallow Deer.
- Hill, Mrs.
One Green Conure.
- Hill, Miss.
One Chinese Goose.
- Hill, Miss E. A.
One Macaque Monkey.
- Holden, E. C., Esq.
Four Virginian Foxes.
- Holdsworth, A. B., Esq.,
One Masked Parrakeet.
- Holmes, C., Esq.
Two Silver-backed Foxes, two Leopard Tortoises.

- Holmes, J., Esq.
Two Yellow-bellied Liothrixes.
- Hore, Lieut.-Col. W. S.
Two Small Hill-Mynahs.
- Horn, T. W., Esq.
Three Martineta Tinamous.
- Hornsby, J. W., Esq.
One Laughing Kingfisher.
- Howard, W., Esq.
One Grivet Monkey.
- Ilchester, Lord, F.Z.S.
One Bittern.
- Im Thurm, Everard F., Esq., C.M.Z.S.
Two Orinoco Geese.
- Jacobs, H. H., Esq.
One Japanese Ape.
- Jamaica Institute.
One Finely-marked Owl.
- Jefferson, Mrs. Dunnington.
One Macaque Monkey.
- Jenkins, Col. F. M.
One Malayan Tapir.
- Jewell, E., Esq.
One Chilian Sea-Eagle.
- Johnson, E. T., Esq.
One Brown Capuchin.
- Johnson, H. H., Esq.
One Herring-Gull.
- Jones, A. L., Esq.
One Buffon's Touracou.
- Keene, Commander H. J., R.N.
One Garnett's Galago.
- Kellock, J. C., Esq.
One Black-necked Hare.
- Kelsall, Conrad, Esq.
One Horned Lizard.
- Kerr, J., Esq.
Two North-African Jackals.
- Larchin, R., Esq.
One Blue-and-Yellow Macaw.
- Lemberg, P., Esq.
Two Philantomba Antelopes.
- Lilford, Lord, F.Z.S.
Two Alpine Accentors, two Sahara Buntings.

- Lloyd, A., Esq.
One Moustache Monkey.
- Logan, Master.
Two Black-backed Jackals.
- Lumsden, Lieut.-Gen. Sir H. B., K.C.S.I., F.Z.S.
One Greater Spotted Woodpecker, two Common
Cormorants.
- Lyon, Mr. F. D.
One Macaque Monkey.
- Macey, W. J. C. P., Esq.
One Vulpine Phalanger.
- MacAllister, R., Esq.
One Madagascar Pratincole, one Half-collared Dove,
one Nilotic Monitor.
- MacDonald, W. Hall Buxton, Esq., M.D.
Three Mitred Guinea-Fowl, one Varied Bush-Snake.
- McKenna, Lady.
Two West-African Love-birds.
- McLey, J., Esq.
One Moloch Lizard.
- McPherson, M., Esq.
One Bonnet-Monkey.
- Major, The Rev. T. N. Talfourd.
One Red-and-Blue Macaw.
- Makins, Col.
One Mona Monkey.
- Manley, Capt. F.
One Goshawk.
- Marshall, Hugo, Esq.
One Grey Ichneumon.
- Mathew, Gervase F., Esq., R.N., F.Z.S.
One Sweet-voiced Lark.
- Mathews, General, C.M.G.
One Puisa Ichneumon, one Green-necked Touracou,
Two Black Gallinules, three Tambourine Pigeons, one
Emerald Dove, one Bronze-spotted Dove, four Half-
collared Doves, one Delalande's Fruit-Pigeon, one
Nilotic Monitor, four Spotted Tree-Frogs, seven
Smooth-clawed Frogs.
- Maund, E. A., Esq.
One Milky Eagle-Owl.
- Meinertzhagen, R., Esq.
One Grey Ichneumon.
- Melville, Mrs.
Two Mute Swans.

- Millar, E., Esq.
 One Flap-necked Chameleon, two Square-marked
 Toads.
- Millet, Marcus W., Esq.
 One Leopard.
- Mills, T. H., Esq.
 One Crowned Hawk-Eagle.
- Mitchener, E., Esq.
 Two Silver Pheasants.
- Mitford, C. B., Esq.
 One Philantomba Antelope, three Gambian Pouched
 Rats, one Ground-Rat, one White-faced Tree-Duck.
- Mole and Urich, Messrs.
 Two Common Boas.
- Moloney, Dr. J. A.
 One Stairs's Monkey.
- Morgan, Miss.
 One Common Fox.
- Morris, A., Esq.
 One Sharp-nosed Crocodile.
- Moule, A. C., Esq.
 One Falcated Teal.
- Neumann, Julius, Esq.
 One Hainan Gibbon, one Chestnut-bellied Squirrel.
- Noble, C. J., Esq.
 One Stanleyan Chevrotain.
- Noble, Capt., F.Z.S.
 One Goshawk.
- Norman, O., Esq.
 One Macaque Monkey.
- Oakes, A. E., Esq.
 One Common Boa.
- Onslow, The Earl of, K.C.M.G.
 Two Mountain Ka-Kas or Keas.
- Oodeypore, The Maharana of.
 Two Tigers.
- Orr, Capt. S. M.
 Two Short-headed Phalangers.
- Pain, W. H. B., Esq.
 Two Common Vipers.
- Palmer, Mrs.
 One Macaque Monkey.
- Parish, Frank, Esq., F.Z.S.
 One Huanaco.

- Parker, M. E., Esq.
One White-fronted Lemur.
- Parker, Lieut.-Col. R. J. H., R.E.
One Red-winged Parrakeet.
- Penton, Mr.
Four Smooth Snakes.
- Petre, A., Esq.
Two Violet Tanagers.
- Pettitt, Mr. J.
One Common Chameleon.
- Phillips, Mrs. E.
One Leadbeater's Cockatoo, one Slender-billed Cock-
atoo.
- Pichot, Mons. P. A., C.M.Z.S.
One Honey-Buzzard.
- Pordage, F., Esq.
One African Civet Cat, one White-tailed Ichneumon,
two Ostriches, two Grant's Francolins, one Senegal
Coucal, five Half-collared Doves, one Black-tailed
Hawfinch.
- Povoleri, Count, F.Z.S.
Two Green Tree-Frogs, two Green Lizards, four
Common Snakes.
- Powell, Miss Lilian.
One European Pond-Tortoise.
- Pugh, Miss.
Two Hamsters.
- Purnell, W. K., Esq.
One Common Quail.
- Quelch, J. J., Esq., C.M.Z.S.
Two Red-handed Tamarins, eighteen Deadly Snakes.
- Rawson, Mrs. Trafford.
One Rhesus Monkey.
- Raymond, Miss B.
One Rhesus Monkey.
- Reid, Sir H. V. R., Bart., F.Z.S.
One White Stork.
- Remington, Thomas E. C., Esq.
One Garnett's Galago.
- Reynolds, The Rev. H. W.
One Jackdaw.
- Rhodes, Lieut. J. E.
One Booted Eagle.
- Riley, Mr. Thomas.
One Little Grebe.

- Rivers, Mr.
One Rhesus Monkey.
- Robinson, Leigh, Esq.
One Tawny Owl.
- Robinson, Capt. J. C.
One Dwarf Chameleon.
- Rocca, Mr. R.
One Macaque Monkey.
- Roche, J. D., Esq.
Two Ogilby's Rat-Kangaroos.
- Rocheda, E. A., Esq.
One Tawny Owl.
- Rodakowski, Mons. de.
One Egyptian Ichneumon.
- Rothschild, the Hon. Walter, F.Z.S.
Two Red Kangaroos.
- Rudyard, Dr.
One Rough-eyed Cayman.
- Rutherford, Miss M.
One Robben-Island Snake.
- Ruxton, Miss.
One Common Squirrel.
- Salvin, Capt. F. H., F.Z.S.
One Common Cormorant, one Great Tit, one Coal Tit, two Blue Tits.
- Sander, Messrs. F. & Co.
One Common Boa.
- Sapp, Dr. G. Victor.
One Slender-billed Cockatoo.
- Scarlett, the Rev. J. W.
One Mozambique Monkey, one Bengal Fox.
- Scrivener, Alfred, Esq.
One Æsculapian Snake, one Vivaceous Snake.
- Searelle, Luscombe, Esq.
Two Maholi Galagos.
- Sebright, Lady.
Three Spiny-tailed Mastigures.
- Seton, Messrs. C. & W.
One Grand Eclectus.
- Shand, J. L., Esq.
One Bronze Fruit-Pigeon.
- Sharland, H. H., Esq., F.Z.S.
One Brush Bronze-wing Pigeon, two Double-banded Sand-Grouse.

- Sharp, Capt.
Two Raccoons.
- Shipway, R. B., Esq.
One Naked-footed Owlet.
- Sinclair, W. J., Esq.
One Four-horned Antelope.
- Smith, Col. Sir Holled, K.C.M.G., C.B., F.Z.S.
Two Sœmmerring's Gazelles, two Speke's Gazelles,
one Dorcas Gazelle, three White-shafted Francolins,
two Cerastes Vipers.
- Smith, Canon Taylor.
One Sooty Mangabey, one Green Monkey.
- Smith, Baldwin M., Esq., F.Z.S.
One Song-Thrush.
- Smith, the Rev. G.
One Cape Dove.
- Solomon, E., Esq.
One Brown Capuchin.
- Stanley, Mrs. H. M.
Two Laughing Kingfishers.
- Still, W. H., Esq.
One Cinereous Vulture.
- Stokes, F. J., Esq.
One Raven.
- Stradling, Master Denny.
One Mocassin Snake.
- Strong, H., Esq.
Two Tarantula Spiders.
- Stuart, Mr.
One Great Eagle-Owl.
- Swayne, H. E., Esq.
One Bearded Lizard.
- Synge, Miss.
One Mona Monkey.
- Talbot, Lieut.-Col.
One Beatrix Antelope.
- Tandy, M. E., Esq.
One Green Monkey.
- Taylor, Mrs. Kate.
One Lesser Sulphur-crested Cockatoo, four Herring-
Gulls, one Lesser Black-backed Gull, two Black-
headed Gulls, one Jackdaw, one Tawny Owl, one
Orange-cheeked Waxbill, one Indian Silver-bill, two
Hooded Finches, twelve Barbary Turtle-Doves.

- Teage, J. L., Esq.
One Egyptian Vulture.
- Terry, J., Esq.
Four Alligators.
- Terry, J., Esq., C.C., F.R.G.S.
Two Tarantula Spiders.
- Tew, Miss M.
One Ring-tailed Coati.
- Thorns, Master S. E.
One Common Chameleon.
- Thornton, Miss.
One Black-backed Jackal.
- Threshie, Capt. Robert A.
Eighteen Fflfola Lizards, eighteen Wall-Lizards, one
Ocellated Sand-Skink, one Moorish Gecko, one
Turkish Gecko.
- Torrie, Mr. A.
One Common Quail.
- Tower, C. J. H., Esq., F.Z.S.
One Common Roe.
- Trafford, Sir H. F. de, F.Z.S.
One White-tailed Sea-Eagle.
- Truefitt, Miss.
One Common Chameleon.
- Truscott, Sir Francis Wyatt, J.P., F.Z.S.
Two Great Kangaroos.
- Turckheim, A. de, Esq.
One Green Monkey.
- Urich and Mole, Messrs.
One South-American Rat-Snake, one Yellow-tailed
Rat-Snake, one Boddaert's Snake, one Royal Snake,
two Black-backed Snakes, one Crowned Snake.
- Usill, Harley M., Esq.
One Black-eared Marmoset.
- Vatcher, The Rev. Sidney.
One Bonnet Monkey, one White Stork, one Herring-
Gull.
- Vicars, Miss G. A.
One Grivet Monkey.
- Vincent, B., Esq.
One Short-toed Eagle.
- Vyner, F., Esq.
One Black-handed Spider-Monkey.
- Wakeford, Onslow, Esq.
One Common Fox.

- Walkinshaw, Frank, Esq., F.Z.S.
Four Sœmmerring's Pheasants.
- Wallis, A., Esq.
One Toque Monkey.
- Warton, Lieut.-Col.
One Leadbeater's Cockatoo.
- Watson, J., Esq.
One Black-shouldered Kite.
- Webster, Capt.
One Bateleur Eagle, one Tawny Eagle.
- Weil, B. B., Esq.
One Tigrine Genet, one Long-eared Fox, one White-eared Scops Owl, one Tawny Eagle.
- Whitaker, Miss M. S.
One Grey-breasted Parrakeet.
- Whitaker, G. H., Esq.
One Ring-necked Parrakeet.
- Whitcombe, E., Esq.
One Greater Sulphur-crested Cockatoo.
- White, R. J., Esq.
One Vervet Monkey.
- White, R., Esq.
Two Alligators.
- White, T., Esq.
One Martial Hawk-Eagle.
- Williams, Master.
Two Alligators.
- Willis, W. Wells, Esq.
One Four-horned Antelope.
- Wilson, H. S., Esq., Lieut. R.N.R.
One Macaque Monkey.
- Wilson, D., Esq.
Two Leopard Tortoises, five Bell's Cinixys, two Puff-Adders, one Sharp-snouted Snake.
- Wingate, Mr. E.
Two Dwarf Chameleons.
- Withers, Miss.
One Common Chameleon.
- Wolfe, J. E., Esq., C.M.Z.S.
One Ring-tailed Coati, one Kinkajou, one Blue-bearded Jay, one Puma, one Tayra.
- Woodward, Capt.
One Purple Heron.
- Wormald, W. H., Esq., C.M.Z.S.
Two Rufous-necked Wood-Doves.

Wylie, Mr. G. N.
 One Sykes' Monkey.
 Wythe, J. G., Esq.
 One Rhesus Monkey.
 Youll, Gerald F., Esq., R.N.
 One Common Marmoset.
 Young, H. E., Esq.
 One Chub.

Conclusion.

In concluding their Report the Council wish to express their regret that it has not been possible, during the past year, to continue their former policy of adding to the permanent structures in the Gardens. There are still several buildings much wanted for the better housing of certain parts of the collection, amongst which may be specified the Anthropoid Apes and the Struthious Birds, for which groups special accommodation is required. But in both these cases, to carry out the plans efficiently a considerable expenditure would be necessary, and the margin of receipts over expenses is at present too slender to render it prudent to undertake the work. The Council look forward to the time when the small remaining balance of the mortgage-debt upon the Society's freehold house will be paid off, and when there will be at any rate a better prospect of devoting the surplus income to such purposes.

The Council wish to acknowledge the assistance they have received from the Committee of Publication during the past year.

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

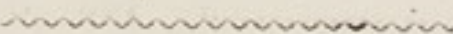
Signed (for the Council),

P. L. SCLATER,

Secretary.

3 Hanover Square, W., April 28th, 1893.

REPORT
OF THE
AUDITORS OF THE ACCOUNTS
OF THE
ZOOLOGICAL SOCIETY OF LONDON,
Appointed January 19, 1893.



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, 1892, respectfully submit to the Society an abstract of the accounts, together with a statement of the Assets and Liabilities at the close of the year.

RECEIPTS IN 1892.

					£	s.	d.
Balance brought from December 31, 1891					1,091	9	6
INCOME.							
		£	s.	d.	£	s.	d.
1891	{ Garden Sales	96	15	3			
	{ Rent for Refreshment-Rooms	68	0	10			
	{ Rent for Freehold Premises.....	41	5	0			
	{ Admission Fees	40	0	0			
	{ Subscriptions	9	0	0			
	{ Publication Sales	138	13	4			
					393	14	5
1892	{ Admissions to Gardens.....	13,981	8	6			
	{ Riding Receipts.....	606	17	4			
	{ Garden Sales	441	0	11			
	{ Rent for Refreshment-Rooms	765	8	5			
	{ Rent for Freehold Premises.....	126	18	0			
	{ Admission Fees	650	0	0			
	{ Compositions	930	0	0			
	{ Subscriptions	5,522	6	0			
	{ Ivory Tickets	36	6	0			
	{ Publication Subscriptions.....	517	13	0			
	{ Publication Sales	104	16	3			
	{ Zoological Record Subscriptions.....	208	2	0			
	{ Ditto ditto Sales	146	8	6			
{ Dividends (Davis Fund)	74	2	0				
{ Miscellaneous	188	10	6				
					24,299	17	5
1893	{ Subscriptions	171	0	0			
	{ Publication Subscriptions	12	12	0			
					183	12	0
INCOME RECEIVED IN 1892					24,877	3	10
					24,877	3	10
					25,968	13	4

PAYMENTS IN 1892.

EXPENDITURE.		£	s.	d.	£	s.	d.
Rent, Rates, Taxes, and Insurance	Gardens	1,369	13	4			
Ditto ditto	Office	254	13	0			
Salaries and Pensions	Gardens	3,468	0	0			
Ditto ditto	Office	2,029	6	8			
Provisions		3,974	2	7			
Cost and Carriage of Animals		843	19	6			
Menagerie Expenses		3,466	12	11			
Keepers' Dresses.....		160	13	6			
Works, &c.	Gardens	2,628	12	0			
Ditto	Office	18	19	6			
Garden Expenses		765	12	9			
Advertisements		257	0	0			
Band Expenses		192	4	6			
House and Office Expenses	Gardens	496	17	1			
Ditto ditto	Office	662	15	3			
Stationery and Printing (Miscellaneous)		395	19	2			
Cost of Publications		1,187	16	2			
Cost of Zoological Record		937	5	11			
Library Expenses		500	19	8			
Returned Subscriptions.....		30	2	0			
Expenditure of Davis Fund.....		74	2	0			
Law Expenses		3	10	10			
Interest on Mortgage Debt		136	10	0			
EXPENDITURE PAID IN 1892		23,855	8	4	23,855	8	4
Repaid Messrs. Drummond on account of Mortgage Debt			1,000	0	0		
Cash at the Banker's, December 31, 1892:—							
General Account		£635	3	6			
Petty Cash Account		478	1	6			
					1,113	5	0
					25,968	13	4

Comparison of Receipts in 1892 with 1891.

<i>Receipts.</i>				
	Income of		Increase.	Decrease.
	1892.	1891.		
	£ s. d.	£ s. d.	£ s. d.	£ s. d.
Admissions to Gardens..	13,981 8 6	13,708 18 6	272 10 0	.....
Elephant and Camel riding receipts	606 17 4	610 16 8	.....	3 19 4
Garden Sales	537 16 2	454 3 5	83 12 9	.....
Rent for Refreshment-Rooms	833 9 3	735 3 3	98 6 0	.....
Rent for Freehold Premises	168 3 0	238 16 0	.....	70 13 0
Admission Fees:—				
Past.....	40 0 0	55 0 0	.....	15 0 0
Present	650 0 0	485 0 0	165 0 0	.....
Annual Subscriptions:—				
Past.....	9 0 0	9 0 0	.....	.....
Present	5,522 6 0	5,599 0 0	.....	76 14 0
Future	171 0 0	123 0 0	48 0 0	.....
Compositions	930 0 0	810 0 0	120 0 0	.....
Ivory Tickets	36 6 0	40 10 0	.....	4 4 0
Publications	773 14 7	705 11 10	68 2 9	.....
Zoological Record	354 10 6	266 3 9	88 6 9	.....
Dividends and Interest..	74 2 0	94 4 3	.....	20 2 3
Miscellaneous.....	188 10 6	119 9 7	69 0 11	.....
	24,877 3 10	24,054 17 3	1,012 19 2	190 12 7
Increase .....	.....	822 6 7	190 12 7	Ded. Decr.
	24,877 3 10	24,877 3 10	822 6 7	.....
Total Receipts in 1892 £24,877 3 10 Total Payments in 1892..... 23,855 8 4 Receipts over Payments 1,021 15 6				
<i>Dr. Cash</i>				
				£ s. d.
To Balance brought from December 31, 1891				1,091 9 6
To Income received in 1892				24,877 3 10
				25,968 13 4

Comparison of Payments in 1892 with 1891.

<i>Payments.</i>				
	Expenditure of		Increase.	Decrease.
	1892.	1891.		
	£ s. d.	£ s. d.	£ s. d.	£ s. d.
Rent, Rates, Taxes, and Insurance	1,624 6 4	1,680 15 2	.....	56 8 10
Salaries and Pensions	5,497 6 8	5,592 5 6	.....	94 18 10
Provisions	3,974 2 7	3,867 14 3	106 8 4	.....
Cost and Carriage of Animals	843 19 6	974 13 4	.....	130 13 10
Menagerie Expenses	3,466 12 11	3,445 12 5	21 0 6	.....
Keepers' Dresses	160 13 6	183 18 10	.....	23 5 4
Works, Materials, &c.	2,647 11 6	2,633 1 10	14 9 8	.....
Garden Expenses	765 12 9	758 11 10	7 0 11	.....
Advertisements	257 0 0	172 1 7	84 18 5	.....
Band Expenses	192 4 6	168 4 6	24 0 0	.....
House and Office Expenses ..	1,159 12 4	1,143 9 4	16 3 0	.....
Stationery and Printing (Miscellaneous)	395 19 2	387 11 3	8 7 11	.....
Cost of Publications	1,187 16 2	1,535 15 9	.....	347 19 7
Cost of 'Zoological Record' ..	937 5 11	420 16 0	516 9 11	.....
Library Expenses	500 19 8	440 13 0	60 6 8	.....
Expenditure of Davis Bequest	74 2 0	74 2 0	.....	.....
Interest on Mortgage-debt ..	136 10 0	175 10 0	.....	39 0 0
Miscellaneous	33 12 10	42 5 6	.....	8 12 8
Increase ..	23,855 8 4	23,697 2 1	859 5 4	700 19 1
	.....	158 6 3	700 19 1	Ded. Decr.
	23,855 8 4	23,855 8 4	158 6 3	.....
Ordinary Payments	23,331 1 8	23,350 17 7	.....	19 15 11
Extraordinary ditto	524 6 8	346 4 6	178 2 2	.....
	23,855 8 4	23,697 2 1	158 6 3	.....

<i>Contra</i>	<i>Cr.</i>
By Expenditure paid in the year	£ s. d. 23,855 8 4
By Repayment of Mortgage-debt	1,000 0 0
By Balance carried forward to 1893	1,113 5 0
	25,968 13 4

Assets and Liabilities of the Society on December 31, 1892.

ASSETS.

	£	s.	d.
Animals in the Menagerie in the Regent's Park	21,542	0	0
Books in the Library at Hanover Square	15,602	0	0
Unsold Publications	2,628	0	0
Stock of the Zoological Record	1,274	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)	2,508	0	0
Cash at the Bankers (Messrs. Drummond)	1,113	5	0
Arrears considered good:—	£	s.	d.
Rent for Refreshment-Rooms	59	3	2
Rent for Rooms at Hanover Square	44	8	0
Garden Sales	138	3	0
Subscriptions	68	0	0
Publication Sales	86	0	1
Zoological Record Sales	14	10	0
	<hr/>		
		410	4 3
	<hr/>		
	£70,077	9	3
	<hr/> <hr/>		

LIABILITIES.

	£	s.	d.	£	s.	d.
Rent and Taxes unpaid:—						
For the Gardens, say	302	0	11			
,, Office, say	43	2	6			
	<hr/>			345	3	5
Bills, &c., estimated at:—						
For the Gardens, say	639	4	11			
,, Office, say	341	17	10			
	<hr/>			981	2	9
Zoological Society of Antwerp, Hippopotamus.....				500	0	0
Messrs. Drummond, Mortgage Debt				3,000	0	0
	<hr/>			£4,826	6	2
	<hr/> <hr/>					

We have examined the Vouchers and the Accounts of Receipts and Expenditure, and certify that they are correct.

WILLIAM C. ATKINSON.

A. W. BLACK.

PHILIP CROWLEY.

HERBERT DRUCE.

E. T. NEWTON.

HENRY H. SLATER.

Committee of Auditors.

ZOOLOGICAL SOCIETY OF LONDON,
3 Hanover Square, W.

February 23, 1893.