

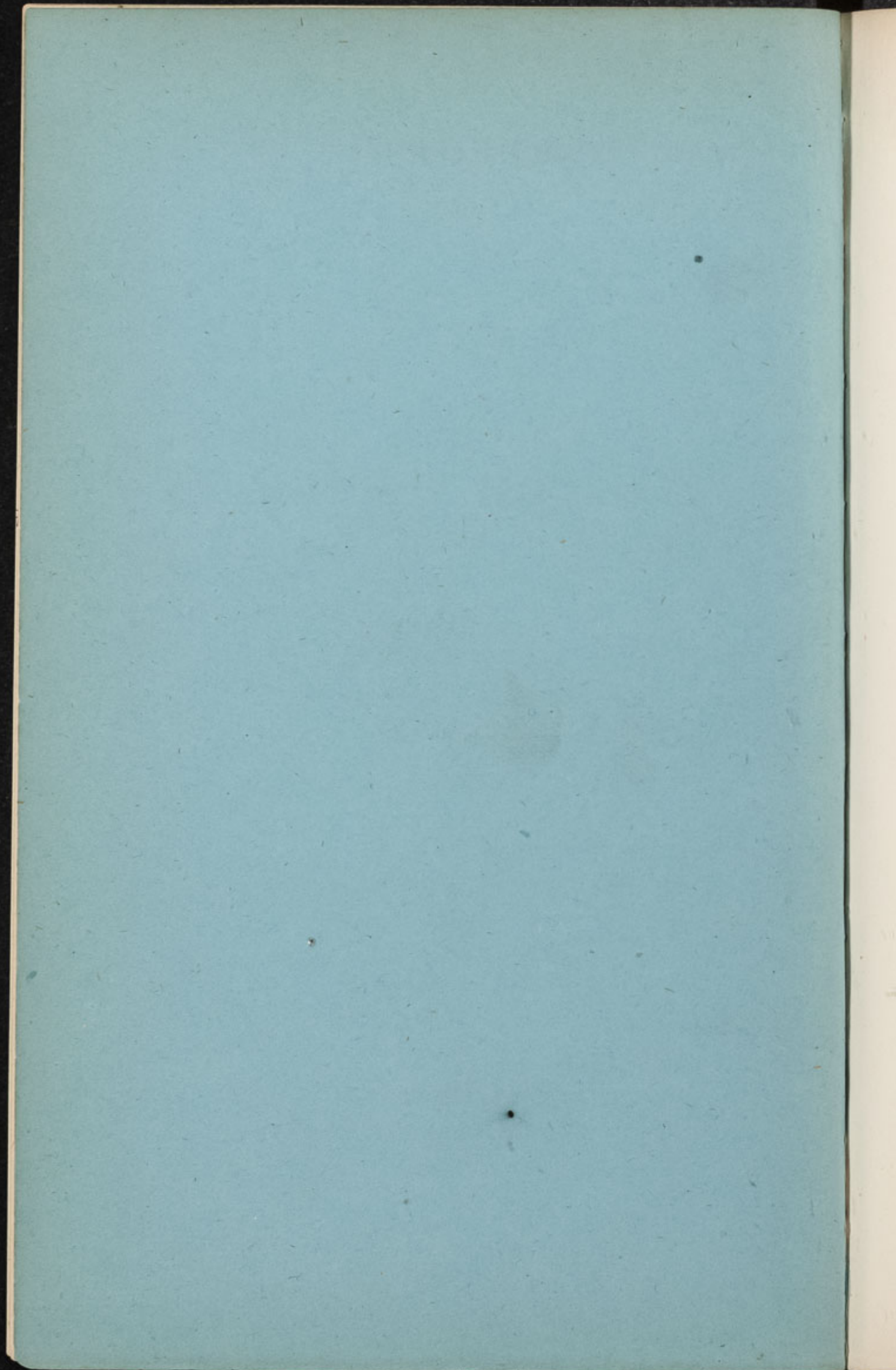
REPORT
OF THE
COUNCIL AND AUDITORS
OF THE
ZOOLOGICAL SOCIETY
OF LONDON,

READ AT THE ANNUAL GENERAL MEETING.

APRIL 29TH, 1872.

LONDON:
PRINTED BY TAYLOR AND FRANCIS,
RED LION COURT, FLEET STREET.

1872.



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REPORT OF THE COUNCIL.

April 29, 1872.

IN accordance with the provisions of the Society's Charter, the Council have the pleasure of submitting to the approbation of the Fellows their forty-third Annual Report upon the progress of the Society.

This, in conformity with former Reports, they have divided into three heads, the first of which relates to the general condition of the Society, the second to the operations carried on at the Office in Hanover Square, and the last to the state of the establishment in the Regent's Park.

I. GENERAL CONDITION OF THE SOCIETY.

1. STATE OF THE ROLL OF MEMBERS.

a. *Fellows and Annual Subscribers.*

The number of Fellows, Fellows Elect, and Annual Subscribers at the close of the year 1871 amounted to 3047. Of these there were:—

Compounders who have paid £20	124
Ditto ditto £30	659
Compositions remitted	16
Paying annual contributions of £2	120
Ditto ditto £3	2006
Dormant	68
Admission-fees unpaid	38
Annual Subscribers, paying . £3	16
	<hr/>
	3047

The corresponding number of Fellows, Fellows Elect, and Annual Subscribers on the 31st of December 1870 was 3021, showing a net increase of 26 Members during the year. The manner in which this augmentation of the Society's numbers has taken place will be more plainly evident from the subjoined Table, in which is given a comparative statement of the Elections, Deaths, Resignations, and Removals which have taken place during the past Ten years, together with the number of Fellows and Annual Subscribers at the end of each year:—

Years.	Elected or Re-admitted.	Died.					Resigned.			Removed.			Ceased to be Fellows.	Number of Fellows and Annual Subscribers, December 31.
		Compounders.			Subscribers.		Subscribers.		Admission Fees Unpaid.	Subscribers.		Admission Fees Unpaid.		
		£20.	£30.	Honorary.	£2.	£3.	£2.	£3.		£2.	£3.			
1862.	95	6	1	...	16	24	1	10	1	4	19	7	89	1731
1863.	164	9	4	...	12	23	3	19	2	...	...	8	80	1815
1864.	264	4	8	...	21	22	2	9	...	24	71	...	161	1918
1865.	321	12	5	...	13	23	5	16	2	1	19	...	96	2143
1866.	405	16	11	...	11	28	1	18	1	...	...	3	89	2459
1867.	328	11	9	...	12	25	4	16	...	...	...	8	85	2702
1868.	316	3	9	...	17	33	2	28	...	...	2	...	94	2924
1869.	197	7	7	...	17	37	3	30	1	2	25	26	155	2966
1870.	160	9	7	...	6	32	...	51	...	...	...	...	105	3021
1871.	163	4	8	...	10	38	1	48	...	2	26	...	137	3047

b. *Foreign and Corresponding Members.*

One new Foreign Member of the Society has been elected during the past year, namely Professor Giovanni Canestrini, of Bologna, Italy, in the place of Professor Paolo Savi, of Pisa, deceased.

The following twelve gentlemen were duly elected Corresponding Members of the Society during the past year, and the total number of members of this class was thus raised to the full complement of 200 on the 31st of December last:—

The Rev. Henry F. Barnes, M.A. Bridlington Rectory, Yorkshire.

George William Des Voeux, Esq. Administrator of St. Lucia, West India Islands.

The Hon. W. I. Buhôt, M.D., M.R.C.S. Tobago, West Indies.

His Excellency Herbert Taylor Ussher, Administrator of the Government. Government House, Gold Coast, West Africa.

Dr. George Grey. Cradock, Cape of Good Hope.

Alexander Milton Ross, Esq., M.D., M.A. Toronto, Canada.

Dr. Henry Waghorn, Staff-Assistant Surgeon R.A. Mhow, Bombay.

John Franks Chittenden, Esq., M.R.C.S. Colonial Hospital, Port of Spain, Trinidad.

The Rev. S. J. Whitmee. Samoa, South Pacific.

Dr. Alphonse Dubois, Conservator of Royal Museum of Natural History, Brussels.

Charles B. Mosse, Esq., Staff-Surgeon. Cape-Coast Castle.

Senor Don Luis I. Fontana. Buenos Ayres.

2. STATE OF THE FINANCES.

a. *Income.*

The total Income of the Society received during the year 1871 was £24,620 11s. 5d., exceeding that of the previous year by the sum of £1362 17s. 8d. The following Table will show the various sources whence this Income proceeded, and the corresponding amounts received under the same heads in 1870:—

	Income of		Increase.	Decrease.
	1870.	1871.		
	£ s. d.	£ s. d.	£ s. d.	£ s. d.
Admission Fees:—				
Past	45 0 0	75 0 0	30 0 0	.....
Present	660 0 0	715 0 0	55 0 0	.....
Annual Subscriptions:—				
Past	48 0 0	138 0 0	90 0 0	.....
Present	5,854 7 0	5,843 9 0	.....	10 18 0
Future	93 0 0	63 0 0	.....	30 0 0
Compositions	630 0 0	990 0 0	360 0 0	.....
Ivory Tickets	77 15 0	59 18 0	.....	17 17 0
Admissions to Gardens	13,204 18 6	13,813 4 0	608 5 6	.....
Garden Sales.....	892 9 11	841 18 3	.....	50 11 8
Rent for Refreshment-rooms ...	738 0 0	1,036 0 0	328 0 0	.....
Publications	774 9 6	750 5 2	.....	24 4 4
Dividends	206 1 3	264 4 4	58 3 1	.....
Miscellaneous	33 12 7	0 12 8	.....	32 19 11
	23,257 13 9	24,620 11 5	1,529 8 7	166 10 11

The Income of the Society during the previous eight years, 1863 to 1870, was as follows:—

	£		£
1863	20,284	1867	25,042
1864	21,713	1868	24,958
1865	23,457	1869	22,768
1866	24,379	1870	23,257

giving an average annual Income of £23,232.

It thus appears that the Income of the past year has exceeded the average of the eight years immediately preceding it by the sum of £1388.

The Council can point with particular gratification to the steady annual increase of the amount realized by the admission of the public on week-days to the Society's Gardens, which still continues. In 1871 the sum received under this head was £13,813 4s., being £608 5s. 6d. more than the corresponding amount received in 1870, and considerably exceeding the sum thus received in any of the last eight years, as will be seen by the subjoined Table:—

Amounts received for "Admissions to the Gardens," 1863-71.

	£		£
1863	11,781	1868	12,651
1864	12,703	1869	12,865
1865	12,889	1870	13,204
1866	12,428	1871	13,813
1867	12,840		

The large increase of the amount realized by the "Compositions" paid in lieu of Annual Subscriptions is also a noticeable feature in the Table of Income for 1871.

b. *Expenditure.*

The balance of £968 6s. 1d. carried over from 1870 added to the Income of 1871, gave a total of £25,588 17s. 6d. available for the expenditure of 1871. This sum was disposed of in the following manner. The sum of £21,367 19s. 9d. was required for the ordinary Expenditure of the Society. The sum of £669 9s. 10d. was devoted to extraordinary Expenditure. This raised the total expenditure for the year 1871 to £22,037 9s. 7d. The sum of £1506 5s. 0d. was devoted to repayment of the prin-

cipal and interest of a temporary loan effected with the Bankers of the Society in December 1870, and the sum of £916 5s. 0d. was invested in the purchase of £1000 Reduced 3 per Cents. This left a balance of £1128 17s. 11d. at the Society's Bankers on the 31st of December last, which was carried forward for the benefit of the present year's account.

The subjoined Table gives the various items of expenditure paid during the year 1871, and a comparison of them with the amounts paid under the corresponding heads in 1870:—

Comparison of Payments in 1870 and 1871.

<i>Payments.</i>				
	Expenditure of		Increase.	Decrease.
	1870.	1871.		
	£ s. d.	£ s. d.	£ s. d.	£ s. d.
Arrears of previous year ...	3,545 17 1	1,735 9 11	.....	1,810 7 2
Rent, Rates, Taxes, &c.....	745 14 4	806 4 7	60 10 3	.....
Salaries, Wages, and Pensions	4,411 1 1	4,358 9 7	.....	52 11 6
Cost and Carriage of Animals	2,068 8 10	2,112 18 0	44 9 2	.....
Provisions	4,104 6 2	4,086 4 11	.....	18 1 3
Menagerie Expenses.....	2,121 12 8	2,096 6 1	.....	25 6 7
Keepers' Dresses	169 16 0	125 9 6	.....	44 6 6
New Buildings and Works.	1,297 16 8	.....	.....	1,297 16 8
Other Works, Materials, and Repairs	2,192 6 10	2,712 11 3	520 4 5	.....
Garden Expenses	769 8 7	693 2 11	.....	76 5 8
Band Expenses	165 14 6	165 14 6	.....	.....
Advertisements	124 8 5	139 12 6	15 4 1	.....
House and Office Expenses.	555 7 0	527 5 6	.....	28 1 6
Stationery	70 17 7	79 0 10	8 3 3	.....
Printing (Miscellaneous) ...	289 18 8	270 5 4	.....	19 13 4
Proceedings (including Printing)	1,005 7 1	1,397 0 8	391 13 7	.....
Transactions, ditto ditto	509 12 11	430 19 7	.....	78 13 4
Library Expenses	195 8 4	209 1 1	13 12 9	.....
Law Expenses	3 4 0	.....	.....	3 4 0
Returned Subscriptions ...	62 5 0	33 1 0	.....	29 4 0
Interest of Davis Bequest .	.....	58 11 10	58 11 10	.....
	24,408 11 9	22,037 9 7	1,112 9 4	3,483 11 6

Deducting the increase from the decrease, it will be seen that the expenditure of 1871 was less than that of 1870 by the amount of £2371 2s. 2d.

This reduced expenditure arose from the following causes:—In 1871 the ordinary expenditure of the Society, under which head is included every item required for the maintenance of the Society's whole establishment in a perfect state of efficiency, required the sum of £21,367 19s. 9d. The corresponding amount for 1870 was £21,364 12s. 10d., showing an increase of only £3 6s. 11d. against the year 1871.

The *ordinary* expenditure of the two years may therefore be for all practical purposes considered as identical. But the extraordinary expenditure of 1871 (or amount devoted to new buildings in the Society's Gardens, and to other items of the nature usually charged to account of capital) was less by £2374 9s. 1d. than in 1870. The extraordinary expenditure of 1871 amounted in fact to £669 9s. 10d. only, consisting of certain items of special expenditure on the Garden establishment, which are fully explained in the 3rd section of the Report.

c. *Davis Fund.*

The item of £58 11s. 10d. placed under expenditure as the "interest of the Davis Bequest" requires some further explanation from the Council.

As mentioned in the last Anniversary Report, the Society's receipts during the year 1870 were increased by a legacy of £2000, left to them by the late Alfred Davis, Esq., F.Z.S.

The following are the exact terms of Mr. Davis's bequest:—

"To the Zoological Society of London the sum of Two Thousand pounds, such sum to form a Perpetual Fund, the Income from which is to be applied to, or to the creation of, Annual Prizes, or any other purpose which may seem to the Council or governing body of the Society most conducive to its interests."

After payment of the Legacy Duty of 10 per cent., the sum handed over to the Society by Mr. Davis's executors, in respect of this Legacy, was £1800. This was invested by the Council in the purchase of £1994 9s. 2d. Consols,

the interest of which in 1871 amounted to £58 11s. 10d. After carefully considering various ways in which it might be proposed to expend this sum in the interests of zoological science, in accordance with the primary objects contemplated by their Charter, the Council determined to give the interest of the Davis fund for 1871 to the "Zoological Record Association." This Association was instituted in 1871 for the purpose of publishing a series of annual reports containing a complete index of the zoological literature of each year—an object acknowledged by all naturalists to be of primary importance as regards the progress of zoology, but one which cannot be carried on, at any rate for several years, so as to render it self-supporting.

d. Reserve Funds.

The Society's principal Reserve Fund now consists of a sum of £8000 3 per Cents Reduced instead of £7000, as it stood last year: the additional amount of £1000 of this stock having been purchased out of the Income of the Society in 1871 at a cost of £916 5s.

Besides this the Society are in possession of the sum of £1994 9s. 2d. Consols, obtained by the investment of the legacy left by the late Alfred Davis, Esq., as already mentioned.

e. Assets and Liabilities.

The Assets of the Society on the 31st of December 1871, and corresponding amounts on the 31st of December 1870, stand as follows:—

	1870.			1871.		
	£	s.	d.	£	s.	d.
Cash at the Bankers'	968	6	1	1128	17	11
Paid for £7000 Red.	6599	14	4	.....	.....	.....
Paid for £8000 Red. ....	.....	.....	.....	7515	19	4
Arrears due for Annual Subscriptions	462	0	0	516	0	0
" " Ivory Tickets	8	8	0	10	10	0
" " Publications	224	4	3	131	0	7
" " Garden Sales.....	358	15	0	293	6	6
" " Rent of Refreshment-rooms	246	0	0	164	0	0
	8867	7	8	9759	14	4

The amount of Liabilities at the corresponding periods was estimated as follows:—

	December 31,					
	1870.			1871.		
	£	s.	d.	£	s.	d.
Rent and Taxes	255	18	8	292	1	5
Bills	1479	11	3	1467	17	10
Loan	1500	0	0	.....	
	3235	9	11	1759	19	3
Decrease .....	.....			1475	10	8
	3235	9	11	3235	9	11

From this it appears that the Liabilities on the 1st of January of the present year (1872) were less by £1475 10s. 8d. than those of the corresponding date in 1870, while the Assets were greater by the sum of £892 6s. 8d.

II. OFFICE, 11 HANOVER SQUARE.

1. SCIENTIFIC MEETINGS.

The Scientific Meetings have been regularly held on the first and third Tuesdays of the month during the year 1871. Of the 161 different communications on various zoological subjects made to them during the year, 113 were from Fellows, 7 from Foreign Members, and 27 from Corresponding Members of the Society; the remaining 14 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 1870 was 165.

These communications were submitted to the Committee of Publication, by whom the following orders were made respecting them. Seven were ordered to be printed entire in the 'Transactions' of the Society, and 154 in the 'Proceedings,' such illustrations being in every case allowed as the Committee considered necessary for the purpose. Of ten of the communications, abstracts or extracts were considered to be sufficient for publication, while 39 were ordered to be simply noticed in the Society's 'Proceedings.'

2. SCIENTIFIC PUBLICATIONS.

The third and last part of the volume of 'Proceedings' for 1871 has been completed and issued to the Subscribers. The whole volume for 1871 contains upwards of 800 pages, and is illustrated by 76 plates (mostly coloured) and a large number of woodcuts.

The following Parts of the Society's 'Transactions' have been issued during the year 1871:—

VOL. VII. PART V. (January, 1871).

On certain Species of Deer now or lately living in the Society's Menagerie. By P. L. Sclater, F.R.S. With twelve coloured plates.

On *Dinornis* (Part XV.): containing a description of various bones of *Aptornis defossor*, Owen, from near Oamaru, Middle Island, New Zealand; with additional Observations on *Aptornis otidiformis*, on *Notornis Mantellii*, and on *Dinornis curtus*. By Professor Owen, F.R.S. With five plates.

On *Dinornis* (Part XVI.): containing notices of the Internal Organs of some species, with a description of the Brain and some Nerves and Muscles of the Head of the *Apteryx australis*. By Professor Owen, F.R.S. With three plates.

Contributions to the knowledge of *Pectinator*, a genus of Rodent Mammalia from North-eastern Africa. By Professor W. Peters. With one coloured and two uncoloured plates.

VOL. VII. PART VI. (June, 1871).

Researches upon the Anatomy of the Pinnipedia. Part I. On the Walrus (*Trichechus rosmarus*, Linn.). By James Murie, M.D. With five plates.

On the Dermal and Visceral Structures of the Kagu, Sun-bittern, and Boatbill. By James Murie, M.D. With two plates.

VOL. VII. PART VII. (November, 1871).

On some Points in the Anatomy of the Steamer Duck (*Micropterus cinereus*). By Robert O. Cunningham, M.D., F.L.S., C.M.Z.S. With five plates.

On the Female Generative Organs, Viscera, and Fleshy Parts of *Hyæna brunnea*, Thunberg. By James Murie, M.D., F.L.S., F.G.S., &c., Lecturer on Comparative Anatomy, Middlesex Hospital, late Prosector to the Zoological Society of London. With one plate.

On the Dodo (Part II.). Notes on the Articulated Skeleton of the Dodo (*Didus ineptus*, Linn.) in the British Museum. By Professor Owen, F.R.S., F.Z.S., &c. With three plates.

Copies of these three parts of 'Transactions' and of the three parts of 'Proceedings' for 1871 are delivered to all Subscribers of £1 1s. to the publication fund for 1871.

The eighth part of Vol. VII. of 'Transactions' (concluding the volume) and the first part of Vol. VIII. have been issued since the commencement of the year, and will be delivered to all Subscribers to the publications for 1872.

A new and revised edition of the list of Vertebrate animals in the Society's Gardens, by the Secretary, is in the press, and will be ready for issue very shortly.

A General Index to the ten years of the Society's 'Proceedings,' from 1861 to 1870, is also being printed.

The first part of the 'Proceedings' for the present year is nearly complete, and will be ready for issue very shortly.

3. LIBRARY.

Mr. R. B. Sharpe, the Society's Librarian, having tendered his resignation, in order to be able to devote more time to several important works on ornithology which he has in progress, the Council accepted it with regret, and appointed in his place Mr. A. Waterhouse, recently Assistant Librarian to the Geological Society.

Mr. Waterhouse is busily engaged in revising the proofs of the new Library Catalogue prepared by Mr. Sharpe, and hopes to be able to issue it in a complete state in a few weeks.

The sum of £239 19s. 8d. has been devoted to the purchase of new zoological works for the Library during the past year.

Besides these additions, the Society's Library has received, during the year 1871, Transactions and Proceedings from the following Institutions:—

ENGLAND.

The Royal Society, London.

Proceedings, vol. xix. nos. 124-129; vol. xx. no. 130.
Catalogue of Scientific Papers, vol. v.

The Linnean Society, London.

Journal (Botany), vol. xi. no. 56; vol. xiii. no. 65.
— (Zoology), vol. xi. nos. 50-54.
Transactions, vol. xxvii. part 3.

The Royal Geographical Society, London.

Proceedings, vol. xv. nos. 1, 2, 3, 4.
Address, 1871.
Journal, vol. xl.

The Geological Society, London.

Journal, vol. xxvii. parts 1, 2, 3, 4.
List of Fellows of the Society.

The Royal Institution of Great Britain.

Proceedings, vol. vi. parts 3, 4.

The Royal United Service Institution.

Journal, vol. xv. nos. 62, 63, 64, 65.

The Society of Arts.

Journal, 1871.

The Royal Agricultural Society of Great Britain.

Journal, 1871, no. 1.

The Pharmaceutical Society.

Pharmaceutical Journal, 1871.

The Entomological Society of London.

Transactions, 1870, parts 1, 2, 3, 4, 5.

The Geological and Polytechnic Society of the West Riding of Yorkshire, Leeds.

Report for 1870.

The Philosophical and Literary Society, Leeds.

Annual Reports for 1870-71.

The Ashmolean Society, Oxford.

Transactions, vols. i. & ii.
Proceedings, vols. i. & ii.

The Quekett Microscopical Club.

Journal, January, April, July 1871.
Sixth Annual Report.

The Plymouth Institution.

Annual Report, vol. iv. part 2.

The Royal Institution of Cornwall.

Journal, April 1871.

The Tyneside Naturalists' Field-Club.

The Natural-History Transactions of Northumberland and
Durham, vol. iv. part 1.

The Literary and Philosophical Society of Liverpool.

Proceedings, nos. 23, 24.

The British Association.

Report for 1870.

The Museum, Library, and Park Committee, Salford.

Twenty-third Report.

The Museum and Lecture Rooms, Syndicate, Cambridge.

Report for 1870.

EAST INDIES.**The Asiatic Society of Bengal.**

Proceedings, 1870, December.
—, 1871, January to August.
Journal, 1870, part 1, no. 4.
—, 1871, part 1, no. 2.
—, 1871, part 2, nos. 1, 2.

The Society of Arts and Sciences, Batavia.

Notulen, deel vii. (1869) nos. 2-4.
—, deel viii. (1870) nos. 1, 2.
Tijdschrift, deel xix. afl. 1-6.

AUSTRALIA.**The New-Zealand Institute.**

Transactions, vol. iii.

The Victorian Patent Office, Melbourne.

Patents and Patentees &c.

The Royal Society of Tasmania.

Proceedings, 1868-69.

Auckland Institute.

Report for 1870-71.

Auckland Acclimatization Society.

Reports for 1867 to 1871.

The Royal Society of Victoria.

Transactions and Proceedings, vol. ix. part 2.

Entomological Society of New South Wales.

Transactions, vol. ii. part 2.

MAURITIUS.**The Royal Society of Arts and Sciences.**

Transactions, new series, vol. v.

AMERICA.**The Trustees of the New-York State Library, Albany.**

Fifty-third Annual Report.

Natural History of New York, Palæontology, vol. iv.

The Boston Society of Natural History.

Proceedings, vol. xiii. sign. 15-23.

Memoirs, vol. ii. part 1.

The Academy of Natural Sciences, Philadelphia.

American Journal of Conchology, vol. vi. parts 3, 4.

—, vol. vii. pt. 1.

Proceedings, 1871, pp. 1-40, 57-309.

The Peabody Academy of Sciences, Salem, Mass.

American Naturalist, vol. iv.

—, vol. v. no. 1.

Second and Third Annual Reports of the Trustees.

The Smithsonian Institution.

Miscellaneous Collections, 227.—Gill's Arrangement of Mollusks.

Annual Report, 1869.

The Lyceum of Natural History, New York.

Annals, ix. sig. 21-26.

- The American Academy of Arts and Sciences, Boston.
Proceedings, vol. viii. sig. 18-37.
- The Essex Institute, Salem, Mass.
Bulletin, vol. ii.
Proceedings, vol. vi. part 2.
- The American Philosophical Society, Philadelphia.
Proceedings, vol. xi. nos. 83-85.
—, vol. xii. nos. 86, 87.
Transactions, vol. xiv. parts 1 & 3.
- The United States Congress, Washington.
Congressional Directory for the Third Session of the Forty-first Congress.
- The Franklin Institute.
Journal, May to July 1871.
- The Museum of Comparative Zoology, Harvard College,
Massachusetts, U.S.A.
Bulletin, vol. ii. nos. 1-3.
Catalogue of the Museum, no. 3.
- The Portland Society of Natural History, Maine, U.S.A.
W. Wells, Water-power of Maine, 8vo.
Fourth Report of the Commissioner of Fisheries.
- The Connecticut Academy of Arts and Sciences, New
Haven, Connecticut.
Transactions, vol. i. part. 2.
—, vol. ii. part 1.

CANADA.

- The Natural-History Society, Montreal.
The Canadian Naturalist, new series, vol. vi. no. 1.

CENTRAL AMERICA.

- The Mexican Society of Natural History, Mexico.
La Naturaleza, nos. 13-18.

FRANCE.

- The Zoological Society of Acclimatation, Paris.
Bulletin, August to December, 1870.
—, January to December, 1871.

The Entomological Society of France, Paris.

Annales, 4^e série, tom. x.

The Museum of Natural History, Paris.

Nouvelles Archives, iv. fasc. 3, 4.

—, v. fasc. 1-4.

The Imperial Academy of Sciences, Lyons.

Annales, 4^e série, tome 1.

RUSSIA.

The Imperial Society of Naturalists of Moscow.

Bulletin, 1870, nos. 2-4.

—, 1871, nos. 1, 2.

Nouveaux Mémoires, xiii. livr. 3.

The Royal Academy of Sciences of St. Petersburg.

Bulletin, xv. nos. 3-5.

—, xvi. nos. 1-6.

Mémoires, xvi. nos. 1-14.

—, xvii. nos. 1-10.

The Entomological Society of Russia, St. Petersburg.

Horæ, tom. vii. no. 4.

—, viii. nos. 1, 2.

The Society of Sciences of Finland, Helsingfors.

Bidrag till Finlands Officiella Statistik, v.

Ofversigt (1870-71).

Acta Societatis Scien. Fennicæ, tomus ix.

The Natural-History Society of Dorpat.

Sitzungsbericht, Band iii. Heft 2. Archiv für die Naturkunde

Liv-, Ehst- und Kurlands, erste Serie, Band vi. Lief. 1-3.

SCANDINAVIA.

The Natural-History Society of Copenhagen.

Videnskabelige Meddelelser, 1870, 1871.

The Royal Norwegian University, Christiania.

Forhandlingar, 1869-70.

Sars, Carcinologiske Bidrag til Norges Fauna.

—, Bidrag til Kundskab om Christiania-fjordens Fauna.

—, Nye Dybvandscrustaceer fra Lofoten.

Rasch, Bidrag til Norges Rovdyr og Rovfuglestatisik.

The Royal Danish Society of Sciences, Copenhagen.

Oversigt, 1870, no. 2.
Skrifte, Bd. 9, parts 1-3.

The Royal Society of Sciences, Upsala.

Nova Acta, ser. 2. vol. ix.-xiv.
—, ser. 3. vol. vii. fasc. 1, 2.
Bulletin Meteorologicum, vol. ii. nos. 1-5.

PORTUGAL.

The Royal Academy of Sciences, Lisbon.

Journal, no. 10, December 1870.

SWITZERLAND.

The Society of Natural Sciences, Lausanne.

Bulletin, vol. x. nos. 63-65.
—, vol. xi. nos. 66, 67.

The Society of Natural Sciences, Neuchâtel.

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Donations of Works, Memoirs, and Papers have also been received from :—the Trustees of the British Museum ; Professor W. Lilljeborg ; Professor Flower ; Dr. H. Burmeister ; W. H. Dall, Esq. ; Dr. Ernst Haeckel ; M. A. Quetelet ; A. S. Packard, Esq. ; Monsieur H. Crosse ; Professor J. V. Barboza du Bocage ; Professor J. D. Dana ; Dr. H. Troschel ; M. Alf. Preudhomme de Borre ; H. E. Dresser, Esq. ; Isaac Lea, Esq. ; Dr. Th. von Heuglin ; Dr. W. H. Gregg ; Professor Newton ; Professor J. C. Schiödte ; Geoffrey Nevill, Esq. ; M. G. Ritter von Frauenfeld ; Dr. J. P. Durand ; T. E. Cox, Esq. ; Professor E. von Eichwald ; P. L. Slater, Esq. ; Chauncey Wright, Esq. ; Dr. R. Schomburgk ; Dr. Murie ; Count Salvadori ; M. A. Grandidier ; Walter Buller, Esq. ; the United States

Congress; Professor Doderlein and Victor, Ritter von Tschusi-Schmidhofen.

III. GARDENS, REGENT'S PARK.

1. BUILDINGS AND WORKS.

The new Elephant-house having been finally completed in 1870 (with the exception of some slight additional works to the amount only of £39 14s. 5d., executed in 1871), the Council determined to proceed with the bridge over the Regent's Park canal, to connect the Society's grounds on the north bank with the present Gardens, this, as announced in their previous Reports, being considered to be the next special work which claimed attention. The Council had hoped and expected to have been able to commence this undertaking last summer, and had in fact actually entered into a provisional contract for its execution. But it was not possible to commence the work without the full approval of the Crown, as represented by the Government Board of Works, and also of the Regent's Canal Company, of the plans and specifications. The negotiations consequent upon this necessity caused great delay, and were not, in fact, brought to a final conclusion until about a month ago. All difficulties having been at length successfully surmounted, a contract for the erection of the bridge was entered into with Messrs. D. Cross and Son for the sum of £1295, and the works are now being rapidly proceeded with.

Under these circumstances the only special works executed in the Society's Gardens in 1871 were of quite a minor character, as will be seen by the following list, and involved only the expenditure of £669 9s. 10d. :—

	£	s.	d.
1. New Drain to Hippopotamus-pond	46	15	5
2. Additional Works in Elephant-house	39	14	5
3. ditto in Refreshment-rooms	63	1	3
4. New Exit-gate	78	9	6
5. New Water-mains	319	6	0
6. New Cages for British Birds	43	1	9
7. Burning ballast	79	1	6

The largest item, it will be observed (No. 5), is that of

the cost of two new water-mains, which were laid down during the past summer. One of these is a new supply-main from the engine in the North Gardens to the Reservoir at the extreme end of the South Gardens. Before this was made the supply from the Engine to the Reservoir was effected by the same main as the delivery to the Gardens, which produced many inconveniences. The second main was laid chiefly for the purpose of giving a direct delivery from the Reservoir to the Hippopotamus-pond, and was found necessary in consequence of the length of time required to fill that large basin by the old main.

Besides these items of a special expenditure, the sum of £2712 11s. 3d. was devoted to the ordinary maintenance and repair of the buildings in the Gardens during the year 1871.

2. PROSECTOR'S DEPARTMENT.

Dr. James Murie, the Society's Prosector appointed in 1865, having tendered his resignation in March 1870 on the ground of ill-health, the Council thought it advisable to request him to continue nominally in his post, without requiring of him any of the ordinary duties of the office, for a further period of six months, in order to enable him to complete, ready for publication, if his state of health should permit, certain zoological memoirs intended for the Society's 'Transactions,' and containing the results of his examination of some important animals. This period having expired in the autumn of 1870, and Dr. Murie's memoirs having been completed, the Council thought it desirable to make a new appointment to the vacant Office, and, on the recommendation of the Zootomical Committee, have nominated Mr. Alfred Henry Garrod, B.A., Scholar of St. John's College, Cambridge, to the post.

Mr. Garrod entered upon his duties on the 1st of January of the present year.

3. VISITORS.

The total number of visitors to the Society's Gardens during the year 1871 was 595,917, being 22,913 more than the corresponding number in 1870, as will be seen by the following Table:—

	1870.	1871.	Comparison.	
Fellows and Friends	156,882	157,610	Incr. 728	
Paying {	On ordinary days at 1s. each	124,832	127,969	Incr. 3,137
	On Mondays and other days at 6d. each	242,381	261,900	Incr. 19,519
	Children under 12 years at 6d. each	36,152	34,688	Decr. 1,464
Charity Children and others having free admission	12,757	13,750	Incr. 993	
	573,004	595,917	Incr. 22,913	

The following Table gives the number of visitors to the Society's Gardens in each year since they were first opened. It will be observed that there were a greater number of entrances in 1871 than in any of the preceding years, except the two Exhibition years 1851 and 1862.

Statement of the Number of Visitors to the Society's Gardens during each Year, from the Year 1828 to the Year 1871.

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

* Year of the Great Exhibition.

† Year of the International Exhibition.

The next Table shows the mode in which these visitors were distributed through the different months of the past year, and gives the corresponding number in 1870:—

	1870.	1871.
January	14,250	7,717
February	9,769	14,573
March	16,931	29,965
April	80,901	69,637
May	62,164	95,355
June	109,307	66,530
July	79,971	92,809
August	78,037	87,296
September	58,069	61,349
October	34,144	37,930
November	14,207	13,605
December	15,254	19,151
	573,004	595,917

The greatest number of admissions in any one day in 1871 was 31,400; this took place on the 29th of May (Whit-Monday): the least (27) was on the 3rd of February. The average daily number of admissions throughout the year was 1632.

4. MENAGERIE.

The number of animals of the first three classes of Vertebrates in the Society's Gardens at the close of the year 1871 was 2072, showing a slight decrease in comparison with the corresponding period of 1870, as will appear from the following Table:—

	December 31.		Comparison.
	1870.	1871.	
Quadrupeds.....	571	590	Incr. 19
Birds	1333	1227	Decr. 106
Reptiles	214	255	Incr. 41
	2118	2072	Decr. 46

As regards the Society's Menagerie, the most interesting event that took place in 1871 was the birth of the first young Hippopotamus on the 14th February. The male

Hippopotamus in the Society's Gardens was received by the Society as a present from the then Viceroy of Egypt in May 1850. The female was obtained from the same source four years later; but although the pair have been kept together for the last eighteen years, no symptoms of the female being likely to produce young were ever observed until the autumn of 1870. All that is worthy of record of the mode of birth, and of the endeavours made to preserve the young one, have been duly recorded in some notes on this event prepared by the Superintendent, Mr. Bartlett, which will be found in the Society's 'Proceedings' for the past year. It having unfortunately been impossible to exhibit the young Hippopotamus while alive, it was thought advisable to have its skin carefully mounted. This, together with a plaster cast of the little animal prepared and presented by Mr. F. Buckland, F.Z.S., have been placed for exhibition in a recess of the Giraffe-house, while the skeleton and various preparations of the internal organs have been preserved in the Museum of the Royal College of Surgeons.

The Council regret to have to add that a second young Hippopotamus, born in the Gardens early in the present year, was likewise lost shortly after its birth. They have, however, ordered certain alterations to be made in the house assigned to the female Hippopotamus, which will, they trust, render it more easy to get access to the animal, and, in the event of a third interesting occurrence of this nature, allow the young one to be easily removed, and brought up by hand.

The total number of registered additions to the Society's Menagerie in 1871 was 1180.

The most remarkable accessions to the collection during the year 1871 were as follows:—

January 1871.

1. A living specimen of the Kakapo, or Ground-parrot of New Zealand (*Strigops habroptilus*), presented by D. L. Murdoch, Esq., of Auckland, New Zealand.

2. Two Derbyan Screamers (*Chauna derbiana*), imported from Santa Martha by one of the Royal Mail Steampacket Company's vessels.

3. An Annulated Snake (*Leptodira annulata*) from Panama. This is a well-known Central-American species,

but has not been previously exhibited alive in the Society's Menagerie.

4. A pair of the Splendid Grass-Parrakeet (*Euphema splendida*, Gould, B. of Austr. v. pl. 42). These are believed to be the first examples of this beautiful Grass-Parrakeet ever brought alive to this country.

February 1871.

Amongst the additions almost the only one of special interest was two pairs of a small West-African Finch (*Spermestes fringilloides*), purchased February 14th. The birth of the young Hippopotamus, which occurred February 21st, has been already alluded to.

March 1871.

1. A Squirrel from Acapulco, in Western Mexico, presented March 2nd by Lieut. G. R. Bromley, R.N., which appears to agree best with *Sciurus castanonotus* of Baird.

2. A young male Cape Hunting Dog (*Lycaon pictus*), purchased March 15th. This peculiar Carnivore has not been represented in the Society's collection for many years.

3. Two male Amherst's Pheasants (*Thaumalea amherstiae*), purchased March 18th, being the first examples of this splendid Pheasant acquired alive by the Society, although others have been previously received "on deposit."

4. A Civet Cat (*Viverra*) from Quiah, north of the Cameroons River, purchased March 27th, which may perhaps belong to an undescribed species.

April 1871.

1. A female of the new Deer which was lately described and figured as *Cervus alfredi* (P. Z. S. 1870, pl. xxviii.), received in exchange April 1st. This animal closely resembles the male in general appearance (except in the absence of horns), and is of very great interest, as confirming the validity of the species.

2. A second young one of the Collared Fruit-bat (*Cynonycteris collaris*), born in the Gardens, April 7th, and produced by the same pair as the former one, born in February last year.

3. A young female Spider Monkey, purchased April 11th. This animal was obtained at Colon by an officer of the R. West-Indian Mail Co., is believed to belong to an undescribed species proposed to be called *Ateles rufiventris*.

4. A Geoffroy's Marmoset (*Midas geoffroyii*), purchased April 11th, having been brought from Colon along with the *Ateles* just mentioned.

5. Four Nose-horned Vipers (*Vipera nasicornis*, Shaw), presented by William Cleaver, Esq., of Cape-Coast Castle, West Africa, April 13th.

6. A Rat-tailed Serpent from Sta. Lucia (*Trigonocephalus lanceolatus*), presented by G. W. Des Vœux, Esq., C.M.Z.S., Administrator of the Government of the island. We are not aware that any example of this much-dreaded scourge of the West-India Islands has been previously brought to England alive.

7. Two Kiwis, purchased April 14th, one being of the ordinary species *Apteryx australis*, and the other *Apteryx owenni*. As there remained only a single specimen of *Apteryx* (of the latter species) living in the Society's collection, this addition to our series is a very acceptable one.

8. A Bay Lynx (*Felis rufa*), said to have been brought from Mexico, purchased April 15th.

9. A pair of the little Hanging-Parrakeet of the Philippines (*Loriculus culacissi*), purchased April 24th.

10. An example of the Blue-crowned Parrot (*Tanygnathus luconensis*) of the same islands. Both these beautiful species are new and welcome additions to the Society's extensive collection of living Parrots.

May 1871.

1. Three specimens of a rather scarce and remarkable Water-Tortoise (*Sternotherus subniger*), purchased May 3rd out of a vessel coming from Madagascar.

2. A pair of the White-eared Fruit-bat of India (*Cynopterus marginatus*), purchased May 4th out of a collection of living animals brought from Calcutta.

3. Two Marmots (*Arctomys*), also purchased at the same date. These animals are said to have been brought down to Calcutta by the Bhotanese, who conveyed a large number of Tragopans (*Cerionis melanocephala*) from the Himalayas. They appear to be referable to *A. bobac*, the

Siberian Marmot, and are quite new to the Society's collection.

4. A Lory, apparently of a new species, described by the Secretary as *Lorius tibialis*.

5. A rare Lorikeet, believed to be referable to *Trichoglossus mitchelli*, G. R. Gray.

6. Three Crowned Partridges (*Rollulus coronatus*) from Malacca.

7. Four Black-throated Hill-Partridges (*Arboricola torqueola*) from the Himalayas.

8. A Long-billed Francolin (*Rhizothera longirostris*) from Malacca.

9. A Monteiro's Galago, purchased May 5th, and said to have been brought from Port Natal.

10. A young male Chimpanzee (*Troglodytes niger*), brought home for us on his return from Africa and presented by Mr. J. J. Monteiro, C.M.Z.S.

11. A Land-Tortoise of the genus *Cinixys*, also presented by Mr. Monteiro. It appears to agree in every respect with specimens of *Cinixys belliana* in the British Museum, except in having a divided caudal plate.

12. A young Lemur, born in the Society's gardens on the 7th of May. Its mother was one of the so-called Black-fronted Lemurs (*Lemur nigrifrons*, Geoffr.); and its male parent must have been one of our Red-cheeked Lemurs (*Lemur collaris*, Geoffr.).

13. A young male of the peculiar Bovine type of the island of Celebes, the Anoa (*Anoa depressicornis*), obtained by purchase of the Zoological Gardens of Rotterdam on the 10th of May, and being the first specimen of this animal exhibited in the Society's collection.

14. A young Eagle from the port of Fow-Chow in China, purchased May 11th. This bird is in the striated plumage which has been usually attributed to the young of *A. imperialis*.

15. A selection from a collection of animals brought from Santiago, Chili, by Mr. Weisshaupt, consisting of the following animals, acquired at a total cost of £136:—

1 Long-haired Armadillo (*Dasypus vellerosus*) from Mendoza.

4 Buenos-Ayres Cow-birds (*Molothrus bonariensis*) from Mendoza.

2 Chilian Starlings (*Curæus aterrimus*) from Chili.

2 Long-winged Milvagos (*Milvago megalopterus*) from Chili.

2 Chilian Swans (*Cygnus coscoroba*) from Chili.

2 Andean Geese (*Bernicla melanoptera*) from Chili.

2 Dominican Gulls (*Larus dominicanus*) from Chili.

5 Rufescent Teguxins (*Teius rufescens*, sp. nov.) from Mendoza.

Of these, the *Dasypus vellerosus*, *Bernicla melanoptera*, *Milvago megalopterus*, and *Tejus rufescens* were species new to the Society's collection.

16. A Tamandua Ant-eater (*Tamandua tetradactyla*, Linn.) from the vicinity of Santa Marta, purchased May 29th.

17. Two examples of the peculiar Short-winged Rail of Lord Howe's Island, which have been lately described in the Society's 'Proceedings' as *Ocydromus sylvestris*. For our specimens of this singular bird, as well as for many rarities previously received, we have to thank our excellent friend and correspondent Dr. George Bennett, F.Z.S., of Sydney, N.S.W., and the authorities of the Botanic Gardens of that city.

June 1871.

1. Two Turtledoves (*Turtur aldabranus*) from Aldabra Island, an atoll lying between Madagascar and the Seychelles, presented to the Society by Mr. Edward Newton, C.M.Z.S., Colonial Secretary, Mauritius, June 10th.

2. A Nisnas Monkey (*Cercopithecus pyrrhonotus*, Ehr.) from Southern Nubia, presented by Col. the Hon. P. Fielding, June 16th.

3. Two examples of a fine large species of Tortoise of the genus *Platemys*, from the fresh waters of the Argentine Republic, presented by our late active correspondent Mr. Geo. Wilks, of Buenos Ayres, June 17th.

4. Three young Imperial Eagles from Southern Spain, presented by Major Howard Irby, June 24th.

5. A second specimen of the Tamandua Ant-eater (*Tamandua tetradactyla*), probably from Brazil, purchased of a dealer in Liverpool, June 27th.

July 1871.

1. Three Daubenton's Curassows (*Crax daubentoni*) from Tucacas in Venezuela, presented July 11th by Mr. A. War-mington.

2. A collection of Ceylonese animals, brought home on his return from Ceylon and presented to the Society by Mr. E. W. H. Holdsworth, F.Z.S., July 17th. It embraced examples of the following species, mostly new to the Society's collection :—

- 1 Paddy-field Deer (*Cervus porcinus*, var.).
- 1 Bacha Eagle (*Spilornis bacha*).
- 2 Ceylonese Spur-fowl (*Galloperdix ceylonensis*).
- 4 Indian Crows (*Corvus splendens*).
- 1 Russell's Viper (*Vipera russelli*).

3. An example of the Long-nosed Crocodile of Western Africa, *Crocodylus* (sive *Mecistops*) *cataphractus*, purchased July 19th.

4. Six Dorsal Squirrels (*Sciurus dorsalis*, Gray), purchased July 20th. These and some previously acquired examples of this beautiful species have been placed in one large cage together, and there are great hopes that they will breed with us.

August 1871.

1. A third specimen of the Tamandua Ant-eater (*Tamandua tetradactyla*), probably from Brazil, obtained by purchase August 7th.

2. Two Bonteboks (*Damalis pygarga*), purchased August 11th, being the only examples of this beautiful Antelope that have reached us for the last twenty years.

3. Two Peruvian Thicknees (*Ædicnemus superciliaris*, Tsch.), presented by the Baron de Rivière, August 14th.

4. Three specimens of a Land-Tortoise of the genus *Cinixys*, which seem to be referable to Home's *Cinixys* (*Cinixys homeana*, Bell). These Tortoises were brought home by H.E. Governor Ussher on his recent return to this country, and presented by him and Staff-Surgeon Mosse jointly to the Society.

5. A young male specimen of Baird's Tapir (*Tapirus bairdi*) from Nicaragua, purchased August 15th, being the first example of this newly discovered Mammal that has yet reached us.

6. A specimen of the singular little mud-inhabiting fish of New Zealand, being an aberrant form of the family *Galaxiidæ* recently described by Dr. Günther as *Neochanna apoda*, presented August 18th by the Acclimatization So-

ciety of Canterbury, New Zealand. Unfortunately it did not live long in our Gardens.

7. Two Frigate or Man-of-War Birds (*Fregata aquila*), which arrived August 28th, having been forwarded to us by our excellent friend and correspondent Capt. John M. Dow, F.Z.S., who is always on the look out for something that may prove acceptable to the Society's collection.

September 1871.

1. A Javan Fish-Owl (*Ketupa javanensis*), purchased September 8th, being the first example of this well-marked genus of Owls obtained by the Society.

2. A young bird of the South-American Flamingo (*Phænicopterus igni-palliatu*s), received by one of the Brazilian Mail-steamers from Buenos Ayres, and believed to have been forwarded to the Society by their late energetic correspondent Mr. George Wilks of Buenos Ayres, since unfortunately deceased.

3. A rare Iguana, presented to the Society by Mr. J. B. Rowe, and stated to have been brought from the Chincha Islands. But Dr. Günther, who has examined it, refers it to *Metopoceros cornutus*, Wagler, of St. Domingo.

4. A young Kaup's Cassowary, obtained by exchange from the Zoological Society of Amsterdam, September 20th.

5. A young female Ibex (*Capra picta*), from the Island of Crete, presented to the Society, September 30th, by T. B. Sandwith, Esq., H.B.M. Consul for that island.

October 1871.

1. A collection of animals from Chili, purchased (as on two former occasions, from Mr. Weisshaupt) on October 4th. This consisted of the following animals:—

2 Andean Geese (*Bernicla melanoptera*).

2 Magellanic Geese (*Chloëphaga magellanica*).

1 Chiloe Wigeon (*Mareca chiloensis*).

2 Chilian Teal (*Querquedula flavirostris*).

9 Pampas Cats (*Felis passerum*).

1 Spectacled Bear (*Ursus ornatus*).

Of these, the Chilian Teal and the Spectacled Bear (which has been deposited with the Society for safe custody

since the 16th of May, 1871) are new to the Society's collection.

2. A Cape Eared Seal (*Otaria pusilla*), presented by H.E. Sir Henry Barkly, C.M.Z.S., October 5th. Sir Henry Barkly, having obtained three living examples of this species at Cape Town, sent them home to the Society by the steamship 'Norseman,' under the kind care of Capt. Coxwell; but only one of these survived to reach the Society's Gardens.

November 1871.

1. Maleo bird (*Megacephalon maleo*), presented by Capt. Parish, R.N., November 6th.

Capt. Parish obtained this rare Celebean bird in St. Helena out of a vessel coming from Java. Only upon one previous occasion has the species been before exhibited in the Society's Gardens; and that was many years ago.

2. A male Chinese Pucras (*Pucrasia xanthospila*), presented by the Duke of Wellington, K.G., November 10th.

3. Two Grey Seals (*Halichærus grypus*), purchased November 11th, through the kind agency of Mr. Samuel Williams of St. David's, Pembrokeshire. Though the Grey Seal is said to be not uncommon on some parts of the British coast, we have never previously succeeded in obtaining living specimens of it.

4. A fine young male Sæmmerring's Antelope (*Gazella sæmmerringii*), presented by Charles M'Iver, jun., Esq., on the 29th of November.

Mr. M'Iver states that this animal was obtained in the desert about 100 miles south of Suez.

December 1871.

1. A Cuvier's Toucan (*Ramphastos cuvieri*), purchased December 14th, being the first example of this fine species received alive by the Society.

2. A Grey-winged Blackbird (*Turdus pæcilopterus*, Vigors), brought from Cashmere, and presented to the Society by Mrs. W. A. Ross, December 21st.

3. A young female Prince-Alfred's Deer, born in the Gardens December 27th, having been bred between the male presented by the Duke of Edinburgh May 5th, 1870, and the female obtained in exchange April 1st, 1871.

The acquisition of both sexes of a *Cervus* previously unknown to science, and its propagation in our Gardens, must be regarded as occurrences of special interest.

LIST OF ANIMALS EXHIBITED FOR THE FIRST TIME IN THE
YEAR 1871.

- 1 Le Vaillant's Cynictis (*Cynictis levaillantii*).
- 1 Annulated Snake (*Leptodira annulata*).
- 2 Splendid Grass-Parrakeets (*Euphema splendida*).
- 4 Pied Grass-Finches (*Spermestes fringilloides*).
- 2 Philippine Hanging-Parrakeets (*Loriculus culacissi*).
- 1 Blue-crowned Parrakeet (*Tanygnathus luconensis*).
- 1 Bell's Cinixys (*Cinixys belliana*).
- 1 Anoa (*Anoa depressicornis*).
- 2 Chilean Starlings (*Curæus aterrimus*).
- 5 Rufescent Teguxins (*Tejus rufescens*).
- 1 Long-haired Armadillo (*Dasypus vellerosus*).
- 1 Tamandua Ant-eater (*Tamandua tetradactyla*).
- 2 Aldabran Doves (*Turtur aldabranus*).
- 1 Nisnas Monkey (*Cercopithecus pyrrhonotus*).
- 1 Geoffroy's Terrapin (*Platemys geoffroyii*).
- 2 Peruvian Thicknees (*Ædicnemus superciliaris*).
- 1 New Zealand Mudfish (*Neochanna apoda*).
- 2 Frigate Birds (*Fregata aquila*).
- 4 Maximilian's Terrapins (*Hydromedusa maximiliani*).
- 1 Black Iguana (*Metopoceros cornutus*).
- 1 Cape Eared Seal (*Otaria pusilla*).
- 1 Sulphury Tyrant Bird (*Pitangus sulphuratus*).
- 1 Crayfish (*Astacus pellucidus*).

LIST OF ANIMALS WHICH HAVE BEEN BRED IN THE GARDENS
OF THE ZOOLOGICAL SOCIETY IN THE YEAR 1871.

MAMMALS.

- 1 Black-fronted Lemur (*Lemur mongoz*).
- 1 Collared Fruit-Bat (*Cynonictoris collaris*).
- 4 Tibetan Wolves (*Canis laniger*).
- 6 North-African Jackals (*Canis anthus*).
- 2 Spotted Hyænas (*Hyæna crocuta*).
- 2 Tigers (*Felis tigris*).

- 2 Coatis, brown var. (*Nasua nasica*).
- 2 Canadian Beavers (*Castor canadensis*).
- 3 Jerboas (*Dipus aegyptius*).
- 3 Hybrid Mouflons (between *Ovis cycloceros* ♂ and *O. musimon* ♀).
- 1 Markhoor (*Capra megaceros*).
- 1 Ibex (*Capra ibex*).
- 2 Philantomba Antelopes (*Cephalophus maxwellii*).
- 1 Bless-bok Antelope (*Damalis albifrons*).
- 1 Zebu (*Bos indicus*).
- 1 Hybrid Gayal.
- 1 Japanese Deer (*Cervus sika*).
- 1 Sambur Deer (*Cervus aristotelis*).
- 1 Hog-Deer (*Cervus porcinus*).
- 1 Mexican Deer (*Cervus mexicanus*).
- 1 Prince Alfred's Deer (*Cervus alfredi*).
- 1 Hybrid Deer (between *Cervus alfredi* ♂ and *C. marianus* ♀).
- 1 Hippopotamus (*Hippopotamus amphibius*).
- 4 Mulito Armadillos (*Dasypus hybridus*).
- 3 Vulpine Phalangers (*Phalangista vulpina*).
- 1 Black-faced Kangaroo (*Macropus melanops*).
- 1 Great Kangaroo (*Macropus giganteus*).
- 2 Yellow-footed Rock-Kangaroo (*Petrogale xanthopus*).
- 2 Bennett's Wallabies (*Halmaturus bennettii*).
- 1 Black Wallaby (*Halmaturus ualabatus*).
- 2 Derbian Wallabies (*Halmaturus derbianus*).
- 2 Gaimard's Rat-Kangaroo (*Hypsiprymnus gaimardii*).

BIRDS.

- 1 Purple-headed Glossy Starling (*Lamprocolius auratus*).
- 5 Crested Ground-Parrakeets (*Calopsitta novæ-hollandiæ*).
- 1 Philippine Hanging-Parrakeet (*Loriculus culacissi*).
- 5 Undulated Grass-Parrakeets (*Melopsittacus undulatus*).
- 4 Crested Pigeons (*Ocyphaps lophotes*).
- 1 Aldabran Dove (*Turtur aldabranus*).
- 1 Graceful Ground-Dove (*Geopelia cuneata*).
- 3 Impeyan Pheasants (*Lophophorus impeyanus*).
- 12 Temminck's Tragopans (*Cerionis temminckii*).
- 2 Peacock Pheasants (*Polyplectron chinquis*).
- 3 Sun-birds (*Eurypyga helias*).

- 1 Black-tailed Water-hen (*Tribonyx ventralis*).
- 3 Upland Geese (*Chloëphaga magellanica*).
- 2 Egyptian Geese (*Chenalopex ægyptiaca*).
- 3 Sandwich-Island Geese (*Chloëphaga sandvicensis*).
- 3 Trumpeter Swans (*Cygnus buccinator*).
- 2 Ruddy Sheldrakes (*Tadorna rutila*).
- 6 Summer Ducks (*Aix sponsa*).
- 6 Mandarin Ducks (*Aix galericulata*).
- 7 Hybrid Yellow-billed Ducks.
- 8 Chiloe Wigeon (*Mareca chiloensis*).

REPTILES.

- 7 Cyclodus Lizards (*Cyclodus gigas*).

The following is a List of Donors and their several Donations to the Menagerie during the year 1871.

Her Majesty the Queen.

One Mouflon.

H.R.H. The Prince of Wales.

One Alligator.

H.R.H. The Duke of Edinburgh.

One Grison, one Domestic Goat, one Black-cheeked Falcon.

Abadie, H. R., Esq.

One Slender-billed Cockatoo.

Acclimatization Society of Auckland, New Zealand.

Two Earle's Weka Rails.

Acclimatization Society of Canterbury, New Zealand.

One New-Zealand Mudfish, one Black-backed Porphyrio.

Adamson, Mr. J.

One Indian Wolf.

Alexander, Capt.

One Poë Honey-eater.

Atkinson, E., Esq.

One Sooty Monkey.

Attwells, Frank, Esq.

One Bonnet-Monkey.

Ayling, I., Esq.

One Rhesus Monkey.

Bankes, William, Esq.

Two Stock-Doves.

- Barkly, His Excellency Sir H., K.C.B.
One Cape Eared Seal, one Sacred Ibis.
- Bath, Charles, Esq.
Two Vicunas.
- Bay, Mrs.
One Common Ferret.
- Beard, Mr.
One Common Seal.
- Beaton, John, Esq.
One Common Boa.
- Beatson, Miss.
One Emu.
- Bennett, Dr. G., F.Z.S.
Two Wood-hen Rails.
- Bills, Mrs.
One Poë Honey-eater, one Black-and-Yellow Cyclo-
clodus.
- Bligh, The Hon. and Rev. E. V.
One Golden Agouti.
- Bond, Frederick, Esq., F.Z.S.
One Snow-Bunting, two Ortolan Buntings, two Mo-
gadore Gulls (young), two Purple Herons, one Greater
Spotted Woodpecker, one Great Grey Shrike, one
Common Bunting, one Cirl Bunting.
- Booth, C. E., Esq.
One Short-headed Phalanger.
- Botanic Gardens, Adelaide, Directors of the.
One Australian Quail, two Ariel Phalangers, one Vul-
pine Phalanger (white var.), one Rabbit-eared Pera-
meles, one pair Crimson-winged Parrakeets, one
Barred-shouldered Dove.
- Bourdillon, J. D., Esq.
One Herring-Gull.
- Bowerbank, Dr., F.Z.S.
Three Slow Worms, four Common Snakes.
- Boyd, Rev. H.
One Crayfish.
- Britton, W. S., Esq., F.Z.S.
Two Barred Doves.
- Brodrick, W., Esq.
Two Common Buzzards.
- Bromley, Lieut. G. R., R.N.
One Chestnut-backed Squirrel.

- Browne, George, Esq.
Two Crested Curassows.
- Browne, G. W. T., Esq.
Two Javan Chevrotains.
- Brownrigg, C. J., Esq.
One Bennett's Wallaby.
- Buckland, F. T., Esq., F.Z.S.
Twenty Salmon, twenty Swiss Lake-Trout, thirty Bull Trout.
- Buckland, Mrs.
Two Wood-Owls, one Coati.
- Burrows, William, Esq.
Two Guinea Baboons.
- Butler, C., Esq., F.Z.S.
One Blue-and-Yellow Maccaw.
- Campbell, Alexander, Esq.
Two Smaller Grackles.
- Caplin, Madame R. A.
One Western Slender-billed Cockatoo.
- Carington, R., Esq., F.Z.S.
One Northern Lynx.
- Carr, M. A., Esq.
One Green-breasted Pheasant.
- Charles, Mr. T.
One Common Sturgeon.
- Chyne, Dr.
One Harmless Coral Snake.
- Clarke, H. W., Esq., R.E.
Two Common Turtles.
- Cleaver, William, Esq.
Four Nose-horned Vipers.
- Clifton, C., Esq.
One Wedge-tailed Eagle, one Duck Falcon.
- Climenson, Rev. J., F.Z.S.
One Passerine Owl.
- Cobbe, Miss F. M.
One Rhesus Monkey.
- Cocks, A. H., Esq.
One Marmoset Monkey.
- Cole, G., Esq.
One Macaque Monkey.
- Coleman, F., Esq.
Two Common Toads, one Spotted Salamander, two Alpine Newts.

- Cornély, M. Joseph.
One Hybrid Duck.
- Coxwell, Capt.
One Crested Porcupine.
- Cruikshank, Capt.
One Emu.
- Czarnikow, C., Esq., F.Z.S.
One Persian Gazelle, one Brown Bear.
- Dear, H. C., Esq.
One Rhesus Monkey.
- Dempsey, Dr.
Four Groups of Plumose Anemones, one Group of
Cave-dwelling Anemones, a Group of Snowy Actiniæ,
a Group of Marine Animals.
- De Murrietta, C., Esq., F.Z.S.
One Jaguar.
- Des Vœux, G. W., Esq., C.M.Z.S.
One Rat-tailed Serpent, two Common Boas.
- Dodd, G. Ashley, Esq., F.Z.S.
Two Roach, and three Common Perch.
- Dow, Capt. J. M., F.Z.S.
Two Great Frigate Birds and one Nicaraguan Rattle-
Snake.
- Downs, A., Esq., C.M.Z.S.
One Dusky Toad, one Bull Frog, six Grass Snakes,
one Garter Snake, six Spotted-headed Snakes, three
Punctured Snakes.
- Duke, Joshua, Esq.
One Greater Sulphur-crested Cockatoo, one Chacma
Baboon, three Common Turtles.
- Dyer, Sir Thomas, Bart.
One Common Peafowl, two Black-winged Peafowls.
- Fairholme, Miss.
One Fat Dormouse.
- Fenn, T., Esq.
One Bonnet-Monkey.
- Fielding, Col. The Hon. P.
One Nisnas Monkey.
- Fitzgerald, Mrs.
One Javan Mynah.
- Fyffe, Rev. H.
One Leadbeater's Cockatoo.

- Gassiot, John P., Jun., Esq., F.Z.S.
Three Common Genets.
- Gibbons, H. G., Esq.
One Macaque Monkey.
- Gilling, Sydney, Esq.
One Australian Thicknee.
- Green, W. J., Esq.
One Cape Weaver-bird.
- Grote, Arthur, Esq., F.Z.S.
Four Crested Ground-Parrakeets.
- Grove, Major H. L.
One Grey Ichneumon.
- Gurney, J. H., Esq., F.Z.S.
One Herring-Gull.
- Hairby, Capt.
One Coati (brown var.).
- Hall, George, Esq.
One Daubenton's Curassow, one White-crested Guan.
- Hall, Mrs.
One Ring-necked Parrakeet.
- Hamlyn, Capt. J. S.
One Two-toed Sloth.
- Hancock, H. J. B., Esq., F.Z.S.
One Common Barn-Owl, one Common Cuckoo.
- Hardy, H. C., Esq.
One African Leopard.
- Harting, J. E., Esq., F.Z.S.
One Dunlin.
- Harvey, Rev. A. C.
Two Wood-Owls.
- Hayward, F. M., Esq.
One White Stork.
- Hearsey, W., Esq.
One Grey Ichneumon.
- Herd, Capt. D., C.M.Z.S.
Two Short-eared Owls.
- Herschel, Professor.
One Alpine Marmot.
- Hill, A. M., Esq.
One Little Grebe.
- Holdsworth, C. J., Esq.
One Gaimard's Rat Kangaroo.

- Holdsworth, E. W. H., Esq., F.Z.S.
 One Bacha Eagle, one Spur-fowl, four Indian Crows,
 one Russell's Viper.
- Holland, Dr. N.
 One Macaque Monkey.
- Hooby, T., Esq.
 One Vervet Monkey.
- Hunter, Capt. T. A.
 One Arabian Baboon.
- Hutchinson, Rev. William.
 One Bonnet-Monkey.
- Irby, Major Howard.
 Three Imperial Eagles, one Spanish Ichneumon.
- James, Reginald, Esq.
 Three Goshawks.
- Johnson, W., Esq.
 Nine Common Turtles.
- Kennerd, J., Esq.
 One Common Curlew.
- Kerr, Miss.
 One Macaque Monkey.
- Keulemans, Mr. J. G.
 One Chaffinch.
- King, Rev. J. C.
 One Vervet Monkey.
- Lafone, A., Esq.
 One Kiwi.
- Lambe, R. B., Esq.
 One Mexican Deer.
- Lambert, Commodore, R.N.
 Sixteen Wonga-Wonga Pigeons.
- Langridge, Mr. W.
 One Marmoset Monkey.
- Lawrence, J. C., Esq.
 One Vervet Monkey.
- Lee, H., Esq., F.Z.S.
 One Common Eel (white var.) and a Collection of
 Actinia.
- Lesser, Mrs.
 One Western Slender-billed Cockatoo.
- Lord, J. K., Esq., F.Z.S.
 One Little Grebe.
- Lovelace, Lady.
 One Coati.

- Luck, Percy Frere, Esq.
One Brown Capuchin Monkey.
- Lund, W., Esq.
One Common Kestrel.
- Lupton, Thomas, Esq.
Three Undulated Grass-Parrakeets.
- Lyon, Capt.
One Himalayan Bear.
- M'Gibbon, D., Esq.
One Red-faced Spider Monkey.
- MacIver, C., Jun., Esq.
One Sœmmerring's Antelope.
- Markman, Henry, Esq.
One Indian Kite.
- Maskelyne, Miss.
Six Harvest-Mice.
- Maude, E., Esq.
One Hedgehog.
- Maude, G. E., Esq.
Twelve Green Lizards.
- Mayers, J. R., Esq.
One Persian Gazelle.
- Medlycott, W. C. P., Esq., F.Z.S.
Two Protei.
- Millen, Mr. G.
Collection of Marine Animals.
- Miller, Miss.
Two Geoffroy's Marmosets.
- Milles, G. R., Esq.
One Stanleyan Chevrotain.
- Mitford, J., Esq.
One Great Grey Shrike.
- Mitford, R., Esq.
One Great Grey Shrike.
- Monteiro, J. J., Esq., C.M.Z.S.
One Chimpanzee, one Bell's Cinixys, two Domestic Sheep.
- Moore, C., Esq., C.M.Z.S.
One Gray's Jerboa Kangaroo.
- Mosse, C. B., Esq.
One River-Jack.
- Munt, R., Esq.
One Short-eared Owl.

- Murdoch, D. L., Esq.
One New-Zealand Ground-Parrot.
- Newton, E., Esq., C.M.Z.S.
Two Aldabran Doves.
- Newton, J. F., Esq.
One Ogilby's Jerboa Kangaroo.
- Nind, Rev. H. G.
One Gold Pheasant.
- Nutsford, Capt. D.
Two Moor Monkeys.
- Obicini, G. W., Esq., F.Z.S.
One Common Kestrel.
- O'Connor, C. D., Esq.
One Two-spotted Paradoxure.
- Ouchtulony, Miss.
One Ring-necked Parrakeet.
- Page, U. S., Esq.
One Vervet Monkey.
- Palin, Dr. J. A., C.M.Z.S.
One Teguxin Lizard, one Weasel-headed Armadillo,
one Common Boa, one Brazilian Caracara, four Maxi-
milian's Terrapins, one Turnstone.
- Parfitt, W., Esq.
One Weeper Capuchin Monkey.
- Parish, Capt. R. N.
One Great-headed Maleo, one Vieillot's Pheasant,
one Javan Peafowl.
- Pearce, Mr.
One Common Lobster.
- Pearson, F., Esq.
One Blaubok.
- Penny, W., Esq.
Six Fifteen-spined Sticklebacks, three Long-spined
Cottus.
- Peters, Miss.
One Alligator.
- Phillips, E. C., Esq.
One Common Buzzard.
- Phillips, G., Esq.
One Wild Boar.
- Phillips, Major-Gen. Sir B. T., F.Z.S.
One Greater White-crested Cockatoo.
- Phipps, E. C. H., Esq.
One Downy Owl.

- Pottier, Mr. G.
One Barred Dove.
- Pritchard, Mr. J.
One Wedge-tailed Eagle.
- Pusey, S. E. B., Esq., F.Z.S.
One Hybrid Cat.
- Radcliffe, Lieut.-Col. Delme.
One Painted Partridge.
- Raymond, W. G., Esq.
One Chameleon.
- Reed, C. A., Esq.
One Greater Black-backed Gull.
- Richards, Madame.
One Green Monkey and one Macaque Monkey.
- Richardson, George B., Esq.
One Grey Ichneumon.
- Rigby, Edward, Esq.
One Hyrax.
- Rivière, The Baron de.
Two Peruvian Thicknees.
- Rose, Capt. J.
One Alligator.
- Ross, Mrs. W. A.
One Grey-winged Blackbird.
- Rowe, J. B., Esq.
One Black Iguana.
- Royds, E. E. M., Esq.
One Laughing Kingfisher.
- Sachtleben, A., Esq.
Four Horned Lizards.
- Salmon, C. S., Esq.
One West-African River-Hog.
- Sandwith, T. B., Esq.
One Cretan Ibex.
- Sandys, Commander H. Stair.
One Upland Goose.
- Scrutton, Mr. W. H., F.Z.S.
One Spotted Ichneumon.
- Sharples, Major.
One Ring-necked Parrakeet.
- Smith, B. L., Esq., F.Z.S.
One Polar Bear.
- Smith, F. H., Esq.
Three Dwarf Chameleons.

- Soutter, S. M., Esq.
One Javan Chevrotain.
- Spanforth, J., Esq.
One Macaque Monkey, one Rhesus Monkey.
- Stanton, Mr. J.
One Crested Curassow.
- Stone, H., Esq.
One Peregrine Falcon.
- Sturgis, Henry, Esq.
One Kinkajou.
- Swanzy, A., Esq.
One Spotted-eared Owl, one Potto.
- Syme, Henry, Esq.
One Proteus.
- Tax, T., Esq.
One Sparrow-Hawk.
- Thomas, Llewelyn, Esq.
Two Spotted Owlets.
- Thompson, G. E., Esq.
One Gaimard's Rat Kangaroo.
- Thompson, J. H., Esq., C.M.Z.S.
Eight Bull Frogs.
- Thompson, Miss J. B.
One Tasmanian Jerboa Kangaroo.
- Thornton, G., Esq.
One Lesser Sulphur-crested Cockatoo.
- Turner, C., Esq.
One Ducorps's Cockatoo.
- Turner, F., Esq.
One Bonnet-Monkey.
- Ussher, H.E. Governor, C.M.Z.S., and Dr. Mosse, C.M.Z.S.
Four Nose-horned Vipers, two River Jack Vipers,
three Home's Cinixys.
- Van Hare, G., Esq.
One Rhesus Monkey.
- Vaughan, Mrs.
One Grivet Monkey.
- Vaughan, W., Esq.
One Macaque Monkey.
- Veitch, Harry J., Esq.
Two Red-breasted Pigeons.
- Villebois, Mr.
One Loggerhead Turtle.

- Wadlee, J. W., Esq.
Two Tambourine Pigeons.
- Wale, Miss C.
One Swainson's Lorikeet, two Scaly-breasted Parakeets.
- Walker, T., Esq.
One Boobook Owl.
- Walker, Mrs.
One Weeper Capuchin Monkey.
- Warburton, P. E., Esq., R.N.
One Musanga Paradoxure.
- Warmington, A., Esq.
Three Daubenton's Curassows, two Green Conures.
- Warre, Edmund, Esq.
One Black-billed Parrakeet.
- Watkins, T., Esq.
One Nonpareil Finch.
- Waylan, R., Esq.
Two Chukar Partridges.
- Wedge, C., Esq.
One Pole-Cat.
- Wellington, His Grace the Duke of, K.G., F.Z.S.
One Chinese Pucras, one Temminck's Tragopan, two Llamas.
- West, Arthur Nugent, Esq.
One Gentle Cat.
- Wilks, George, Esq., C.M.Z.S.
One Ocelot, one Geoffroy's Terrapin.
- Wingfield, G., Esq.
One Macaque Monkey.
- Wolf, Joseph, Esq., F.Z.S.
One Merlin.
- Wood, Dr.
Three Rufous Tinamous.
- Wooler, J. W., Esq.
Two Vinaceous Turtledoves.
- Wright, C. A., Esq., C.M.Z.S.
One Maltese Snake.
- Wright, J., Esq.
One Blue-and-Yellow Maccaw.
- Wright, Thomas, Esq.
One Axis Deer and Fawn.
- Young, J., Esq.
One Wood-Wren, one Willow Warbler.

Conclusion.

Before concluding their Report the Council have to offer their best thanks to those Fellows of the Society who have so materially assisted them by serving on the Committees of Finance and Publication since the last Anniversary, and by auditing the Accounts for the past year.

The Council believe they may fairly congratulate the Society upon its present condition, both in its popular and in its scientific aspect.

As regards the former view, the fact of the Society's Gardens having been the resort of nearly 600,000 visitors in the past year is sufficient proof that their unrivalled collection of living animals is fully appreciated as a source of instruction and recreation, and that the arrangements under which it is opened to public inspection are such as to render it an agreeable resort.

At the same time the Council believe that the more strictly scientific branches of the Society's affairs have by no means suffered from this popularity, but have, in fact, gained much by the increase of income thus produced. The Society's publications are the medium whereby most of our leading naturalists seek to make the results of their labours known to science, and the Library has become the resort of many of the working zoologists of the metropolis.

The acquisition of so many rare and singular animals as have been lately received not only serves to keep the public interest in the Society's living collection alive, but is also highly beneficial to science, as ultimately furnishing specimens for the principal Museums of Zoology and Comparative Anatomy, and providing the materials from which many of the most valuable memoirs published in the Society's 'Proceedings' and 'Transactions' are elaborated.

Signed (for the Council),

P. L. SCLATER,

Secretary.

11 Hanover Square, April 29th, 1872.

REPORT

AUDITORS OF THE ACCOUNTS

ZOOLOGICAL SOCIETY OF LONDON

1911-12

The Auditors have examined the accounts of the Zoological Society of London for the year ending 31st December 1911, and find that they are correct and in accordance with the facts.

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REPORT
OF THE
AUDITORS OF THE ACCOUNTS
OF THE
ZOOLOGICAL SOCIETY OF LONDON,
Appointed January 18, 1872.

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, 1871, respectfully submit to the Society an Abstract of such Accounts, together with a Statement of the Assets and Liabilities at the close of the year, and a Report thereon.

RECEIPTS.

					£	s.	d.
Balance brought from Dec. 31, 1870					968	6	1
INCOME.							
Belonging to years		£	s.	d.	£	s.	d.
1866	Annual Subscriptions				3	0	0
1867	Annual Subscriptions				12	0	0
1868	Annual Subscriptions	15	0	0	45	0	0
	Garden Sales	30	0	0			
1869	Annual Subscriptions	27	0	0	59	6	6
	Ivory Tickets	1	1	0			
	Proceedings	2	10	0			
	Garden Sales	28	15	6			
1870	Admission Fees	75	0	0	835	14	6
	Annual Subscriptions	81	0	0			
	Ivory Tickets	2	2	0			
	Transactions	82	13	0			
	Proceedings	49	3	0			
	Rent for Refreshment Room	246	0	0			
Garden Sales	299	16	6				
1871	Admissions to Gardens	13,813	4	0	23,597	5	5
	Rent for Refreshment Room	820	0	0			
	Garden Sales	483	6	3			
	Admission Fees	715	0	0			
	Compositions	990	0	0			
	Annual Subscriptions	5,843	9	0			
	Ivory Tickets	56	15	0			
	Transactions	81	16	6			
	Proceedings	103	12	8			
	Publications	425	5	0			
	Dividends on Reduced 3 per Cents ...	205	12	6			
Ditto on Consols 3 per Cents (Davis Bequest)	58	11	10				
Miscellaneous	0	12	8				
1872	Annual Subscriptions	63	0	0	68	5	0
	Publications	5	5	0			
INCOME RECEIVED IN 1871					24,620	11	5
					25,588 17 6		

PAYMENTS.

EXPENDITURE.	Belonging to		Total.
	1870.	1871.	
	£ s. d.	£ s. d.	£ s. d.
Rent, Rates, Taxes, &c. ....Gardens	195 0 8	647 17 1	842 17 9
Ditto ditto Gen. Estab.	60 18 0	158 7 6	219 5 6
Salaries, Wages, and Pensions .....Gardens		2,510 15 7	2,510 15 7
Ditto ditto Gen. Estab.		1,847 14 0	1,847 14 0
Cost and Carriage of Animals, and Keepers' Expenses	48 13 6	2,112 18 0	2,161 11 6
Provisions	455 18 11	4,086 4 11	4,542 3 10
Menagerie Expenses	320 7 8	2,096 6 1	2,416 13 9
Keepers' Dresses		125 9 6	125 9 6
Works, Repairs, and Materials	71 19 4	2,712 11 3	2,784 10 7
Garden Expenses	14 17 0	693 2 11	707 19 11
Band Expenses		165 14 6	165 14 6
Advertisements		139 12 6	139 12 6
House and Office Expenses .....Gardens	19 1 5	137 0 11	156 2 4
Ditto ditto ... Gen. Estab.	19 10 1	390 4 7	409 14 8
Stationery	7 5 7	79 0 10	86 6 5
Printing (Miscellaneous).....	18 12 0	270 5 4	288 17 4
Library Expenses	84 12 10	209 1 1	293 13 11
Transactions (including Printing)	133 0 10	430 19 7	564 0 5
Proceedings do. do.	284 11 1	1,397 0 8	1,681 11 9
Law Expenses	1 1 0		1 1 0
Returned Subscriptions		33 1 0	33 1 0
Davis Bequest.....		58 11 10	58 11 10
EXPENDITURE PAID IN 1871	1,735 9 11	20,301 19 8	22,037 9 7
Repayment of Loan of £1500, had Dec. 22, 1870, with Interest to Jan. 23, 1871			1,506 5 0
Paid for £1000 Reduced 3 per Cents.....			916 5 0
Cash at the Banker's, December 31, 1871, viz. {	General Account	£586 15 9	
{ Petty Cash Account	542 2 2		
			1,128 17 11
			25,588 17 6

Comparison of Receipts in 1870 and 1871.

<i>Receipts.</i>				
	Income of		Increase.	Decrease.
	1870.	1871.		
	<i>£ s. d.</i>	<i>£ s. d.</i>	<i>£ s. d.</i>	<i>£ s. d.</i>
Admission Fees:—				
Past.....	45 0 0	75 0 0	30 0 0	
Present.....	660 0 0	715 0 0	55 0 0	
Annual Subscriptions:—				
Past.....	48 0 0	138 0 0	90 0 0	
Present.....	5,854 7 0	5,843 9 0		10 18 0
Future.....	93 0 0	63 0 0		30 0 0
Compositions.....	630 0 0	990 0 0	360 0 0	
Ivory Tickets.....	77 15 0	59 18 0		17 17 0
Admissions to Gardens..	13,204 18 6	13,813 4 0	608 5 6	
Garden Sales.....	892 9 11	841 18 3		50 11 8
Rent for Refreshment				
Rooms.....	738 0 0	1,066 0 0	328 0 0	
Publications.....	774 9 6	750 5 2		24 4 4
Dividends.....	206 1 3	264 4 4	58 3 1	
Miscellaneous.....	33 12 7	0 12 8		32 19 11
	23,257 13 9	24,620 11 5	1,529 8 7	166 10 11
Increase.....	1,362 17 8		166 10 11	Ded. Decr.
	24,620 11 5	24,620 11 5	1,362 17 8	
Total Receipts in 1871.....			£24,620 11 5	
Total Payments in 1871.....			22,037 9 7	
Receipts over Payments.....			2,583 1 10	
<i>Dr. Cash</i>				
			<i>£ s. d.</i>	
To Balance brought from December 31, 1870.....			968 6 1	
To Income received in the Year.....			24,620 11 5	
			25,588 17 6	

Comparison of Payments in 1870 and 1871.

<i>Payments.</i>				
	Expenditure of		Increase.	Decrease.
	1870.	1871.		
	£ s. d.	£ s. d.	£ s. d.	£ s. d.
Arrears of previous years	3,545 17 1	1,735 9 11	1,810 7 2	
Rent, Rates, Taxes, &c.	745 14 4	806 4 7	60 10 3	
Salaries, Wages, and Pen- sions	4,411 1 1	4,358 9 7		52 11 6
Cost and Carriage of Animals	2,068 8 10	2,112 18 0	44 9 2	
Provisions	4,104 6 2	4,086 4 11		18 1 3
Menagerie Expenses	2,121 12 8	2,096 6 1		25 6 7
Keepers' Dresses	169 16 0	125 9 6		44 6 6
New Buildings and Works . .	1,297 16 8			1,297 16 8
Other Works, Materials, and Repairs	2,192 6 10	2,712 11 3	520 4 5	
Garden Expenses	769 8 7	693 2 11		76 5 8
Band Expenses	165 14 6	165 14 6		
Advertisements	124 8 5	139 12 6	15 4 1	
House and Office Expenses . .	555 7 0	527 5 6		28 1 6
Stationery	70 17 7	79 0 10	8 3 3	
Printing (Miscellaneous)	289 18 8	270 5 4		19 13 4
Proceedings (including Print- ing)	1,005 7 1	1,397 0 8	391 13 7	
Transactions, ditto ditto	509 12 11	430 19 7		78 13 4
Library Expenses	195 8 4	209 1 1	13 12 9	
Law Expenses	3 4 0			3 4 0
Returned Subscriptions	62 5 0	33 1 0		29 4 0
Interest of Davis Bequest		58 11 10	58 11 10	
	24,408 11 9	22,037 9 7	1,112 9 4	3,493 11 6
Decrease		2,371 2 2	Ded. Incr.	1,112 9 4
	24,408 11 9	24,408 11 9		2,371 2 2
Ordinary Expenditure	21,364 12 10	21,367 19 9	3 6 11	
Extraordinary ditto	3,043 18 11	669 9 10	Ded. Incr.	2,374 9 1
	24,408 11 9	22,037 9 7		3 6 11
				2,371 2 2

<i>Contra</i>	<i>Cr.</i>
	£ s. d.
By Expenditure paid in the year	22,037 9 7
By Repayment of Loan, with Interest	1,506 5 0
By Cost of £1000 Reduced 3 per Cents.	916 5 0
By Balance at Banker's, December 31, 1871	1,128 17 11
	25,588 17 6

The Assets and Liabilities of the Society on the 31st of December 1871 were as follow:—

ASSETS.						
	Arrears of		Capital Funded.	Cash.	Total.	
	Previous Years.	Current Year.				
	£	s. d.	£	s. d.	£	s. d.
Cash at the Banker's					1128	17 11
Cost of £8,000 Reduced 3 per Cents			7515	19 4		
*Cost of £1,994 9s. 2d. Consol. 3 per Cents			1800	0 0		
Annual Sub- scriptions	277	0 0	239	0 0		
Ivory Tickets				10 10 0		
Garden Sales	6	11 6	286	15 0		
Rent for Refresh- ment Rooms				164 0 0		
Publications	13	2 0	117	18 7		
	296	13 6	818	3 7	9315	19 4
					1128	17 11
					11,559	14 4

* Proceeds of the Davis bequest.

LIABILITIES.

	Debts.	
	£	s. d.
Bills, &c., estimated at—		
For the Gardens, say	1085	8 6
General Establishment	382	9 4
		1467 17 10
Rent and Taxes unpaid—		
For the Gardens, say	234	19 9
General Establishment	57	1 8
		292 1 5
		1759 19 3

The Auditors beg leave to call the attention of the Society to the improvement in the state of the Finances, even when compared with the last and many previous years of prosperity.

A considerable increase of Receipts and a very large decrease of Payments will be observed, while a comparison of the Assets and Liabilities is likewise satisfactory.

The Auditors remark with pleasure the additional interest felt by the public in the Society's objects, as proved by a considerable increase in the number of Visitors to the Gardens, while the amount received for Compositions in lieu of Annual payments gives proof of confidence in our stability and future prospects.

This confidence the Auditors consider to be fully justified by the wise and prudent measures of the Council in general, and more particularly by the important addition they have made to the Reserve Fund.

In conclusion the Auditors beg to express their thorough approval and satisfaction with the perfectly clear and accurate manner in which the accounts have been arranged and laid before them by the Society's accountant Mr. Leigh.

EDW. GREENAWAY.
EDWARD JOHNSTONE.
JAMES TENNANT.
HOWARD SAUNDERS.
H. E. DRESSER.
VICTOR BROOKE.
J. W. CLARK.

11 *Hanover Square,*

February 23, 1872.