

## REPORT

OF THE

## COUNCIL

OF THE

# ZOOLOGICAL SOCIETY

OF LONDON,

READ AT THE ANNUAL GENERAL MEETING,

APRIL 30TH, 1866.

### LONDON:

### PRINTED BY TAYLOR AND FRANCIS,

RED LION COURT, FLEET STREET.

1866.

### REPORT OF THE COUNCIL.

#### April 30, 1866.

IN accordance with the provisions of the Society's Charter, the Council have now the pleasure of submitting to the approbation of the Fellows assembled in their thirty-seventh Anniversary Meeting the customary Report upon the progress of the Society during the past year.

This, in conformity with former Reports, they have divided into three heads, the first of which relates to the general state 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 present time amounts to 2218. Of these there are—

Compounders, who have paid £20		170
Ditto ditto £30		
Paying annual contributions of £2		201
Ditto ditto £3		1195
Dormant		41
Admission-fees unpaid		81

### Ditto remitted $\dots$ 14 Annual Subscribers, paying £3 $\dots$ 39

2218

The number of Fellows elected since the last Anniversary has been 318, of Annual Subscribers 17; and 6 Fellows have been readmitted by the Council under the provisions of the By-laws, thus making a total addition of A 2 341 Ordinary Members to the roll of the Society since the 29th of April, 1865.

During the same period the decrease of Members by death, resignation, and removal has only amounted to 78, so that an increase of no less than 263 Members has taken place during the past year. The present number of candidates for admission is 96, making a total of 192 additions to the list of Fellows since the 1st of January of the present year; and, looking to the large number of applications for admission brought before the Council at every Meeting, there seems every probability that this augmentation of the Society's roll is likely to continue.

The following Table, which gives a comparative statement of the election, deaths, resignations, and removals during the past ten years, will show at a glance the very satisfactory present state of the list of Members, which, during that period, has been increased from 1773 to 2143 in number.

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

	or ted.			Died.			I	tesigne	d.	1	Remove	d.	be.	of Ial
Years.	ted o lmitt	Con	mpour	nders.	Subscribers.		Subscribers.		sion s id.	Subscribers.		sion s id.	d to lows	Fellows Annual Subscribers
	Elected or Re-admitted.	£20.	£30	Hono- rary.	£2.	£3.	£2.	£3.	Admission Fees Unpaid.	£2.	£3,	Admission Fees Unpaid.	Ceased to b Fellows.	Number Fellows and Ann Subscrib
1856.	86	9	4		18	14	3	17					65	1773
1857.	61	12	2		17	18	7	16		3	23		98	1736
1858.	59	12	5		24	18	1	19					79	1716
1859.	83	13	4		17	16	8	20					78	1721
1860.	98	11	4		20	22	3	19	2	6	16		103	1716
1861.	98	11	7	1	19	21	5	23	2				89	1725
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

As regards one class of Members, namely, that of "Annual Subscribers," it may be observed that the number elected since the last Anniversary has been very small, and that a change of the By-laws has been made upon this subject. Much inconvenience having been occasioned by the existence of two classes of Members having different privileges of admission to the Gardens, it was resolved by the Council at the commencement of the present year to

discontinue the election of "Annual Subscribers." At the same time it was resolved to invite the existing Annual Subscribers, amounting to 66 in number, to become Fellows of the Society. A circular letter was accordingly addressed to each of them, pointing out the additional privileges they would thus obtain, and informing them that the Council would be willing specially to recommend to the Society their election as Fellows, if they were pleased to adopt that course. In reply to this circular the Council have the pleasure of stating that no less than 27 out of the 66 Annual Subscribers at once acceded to the invitation and have become Fellows of the Society. The number of Annual Subscribers upon the books is therefore now materially reduced, and the necessary changes in the By-laws having been effected, this class of Members will become gradually extinct.

### b. Foreign and Corresponding Members.

A vacancy having occurred in the list of Foreign Members through the lamented death of Prof. Valenciennes, of Paris, the Council selected the name of Prof. Filippo de Filippi, Director of the Royal Zoological Museum of Turin, to fill it; and this selection was duly confirmed by the General Meeting on the 20th of July, 1865.

The following seventeen gentlemen have been elected Corresponding Members of the Society since the last Anniversary :---

#### May 18, 1865.

Mr. Gerard Krefft, Curator and Secretary of the Australian Museum, Sydney, N.S.W.

Mr. Charles A. Wright, Malta. Prof. William Nation, Lima, Peru. Mr. James Caldwell, Mauritius.

#### June 22.

Dr. Philip P. Carpenter, Montreal. Mr. J. J. Monteiro, Benguela, West Africa. Dr. Charles F. Meller, H.B.M. Vice-Consul, Madagascar. November 16.

Dr. A. Palin, of the Royal West Indian Mail Company's Service.

December 31. Dr. Rodolph A. Philippi, Santiago, Chili.

- Dr. Edward Grube, Professor of Zoology in the University of Breslau.
- Mr. Otto A. L. Mörch, of Copenhagen.
- Dr. James C. Cox, Secretary of the Entomological Society of New South Wales, Sydney, N.S.W.
- Mr. C. Spence Bate, F.R.S., Mulgrave Place, Plymouth.

### February 22, 1866.

- Dr. James Hector, Director of the Geological Survey of New Zealand, Otago, New Zealand.
- Dr. Ludwig Pfeiffer, Cassel, Germany.
- Mr. Frederick Waterhouse, Curator of the Museum, Adelaide, South Australia.
- Dr. J. Anderson, Curator of the Imperial Museum, Calcutta.

The Council take this opportunity of calling attention to some important alterations which have been made in the By-laws relating to Corresponding Members of the Society since the last Anniversary. In the first place, it has been considered expedient to enact that the total number of this class of Members shall not in future exceed 200. At the same time, in consequence of the many names in the list of Correspondents concerning whom no information had been received for many years, so that it could not be ascertained whether they were alive or dead, the following additional regulation has been made.

"Corresponding Members of the Society are required to "keep the Secretary informed of their addresses, or that of some "Agent in London, through whom communications may reach "them. The name of any Corresponding Member whose address, "or that of his Agent, shall not be known for the space of two "years shall be removed from the List, but may be restored again "on his application to the Council, on the occasion of the first "vacancy that occurs."

### 2. ALTERATION OF THE PRIVILEGES OF FELLOWS.

Frequent complaints having been made to the Council of the overcrowding of the Society's Gardens on Sundays during the past summer, and it having been ascertained that a large proportion of the visitors on such occasions were not Fellows, nor persons directly introduced by Fellows, but had obtained admission by Tickets, which were sold to Fellows in packets of twenty each, under an order of the Council made in 1856, it was resolved by the Council in July last to rescind this order at the close of the year.

After the 31st of December, 1865, therefore, the sale of such Tickets was discontinued, but twenty of them are issued, as heretofore, to each Fellow upon payment of his Annual Subscription, if applied for.

The Fellows are requested to take notice that these Tickets are only available for the year of issue, but that after the year is expired, they may be exchanged for others available for the next succeeding year, on application at the Society's Office.

The Council have reason to believe that the change thus made in their privileges has met with very general approval among the Fellows of the Society.

### 3. STATE OF THE FINANCES.

#### a. Income.

The Council have again the pleasure of calling the Society's attention to the very favourable state of the Income during the past year. Upon comparing the amount received under different heads in 1865 with the corresponding amounts received during the year 1864, it will be seen by the subjoined Table that in all the more important items a very material increase is perceptible.

		In	con	ne of			Increase.	Decr	Decrease.				
	1864. 1			186	5.		Increase.						
ti second to second	£	8.	<i>d</i> .	£	8.	<i>d</i> .	£ s. d.	£	8.	d.			
Admission Fees	and the second	0	0	1,460	5	0	390 5 0			•••			
Annual Subscriptions	and the second se	1	0	4,313	12	0	664 11 0			• • •			
Compositions		0	0	2,430	0	0	1,080 0 (	)		•••			
lvory Tickets		14	0	109	7	0	22 13 (						
Admissions to Gardens		7	6	12,889	0	0	185 12 (			•••			
Garden Sales	1,163		8	703	5	9		. 460	4	11			
Rent of Refreshment							No. of Street						
Room	720	0	0	720	0								
Publications	578	8	11	537	6				2				
Dividends	335	11	3	293	15	0			16				
Miscellaneous	57	0	6	0	11	0		. 56	9				
	21.713	13	10	23,457	1	9	2,343 1	6 599	13				
Deduct Decrease							599 13	7					
Total Increase							1,743 7 1	1					

Comparison of Income in 1864 and 1865.

The increase of Income of the year 1865 over the year 1864 was  $\pounds 1743$  7s. 11d.; so that the total Income for the year 1865 amounted to  $\pounds 23,457$  1s. 9d., being the largest sum ever received by the Society in any one year, except the two Exhibition years, as the following Table will show:—

£	£
1862 27,397	1838 14,090
1851 26,453	1855 14,089
1865 23,457	1858 14,034
1864 21,713	1829 14,030
1863 20,284	1837 13,954
1836 19,118	1839 13,427
1831 17,559	1852 12,803
1853 17,508	1840 12,732
1854 16,901	1841 11,612
1860 16,864	1828 11,512
1834 16,829	1842 10,088
1861 16,072	1843 9,137
1835 16,030	1845 8,831
1830 15,955	1849 8,771
1832 15,489	1844 8,659
1856 15,280	1846 8,305
1859 15,195	1848 8,165
1850 14,957	1847 7,765
1833 14,839	1827 4,078
1857 14,822	1825-6 1,829

Income of the Zoological Society of London.

The head under which the largest increase of Income is perceptible is that of "Compositions." During the year 1865 no less than 81 Fellows paid the Composition-fee of £30, being the amount of ten years' Subscriptions, and thus became permanent Life-Members of the Society. The receipts for admission to the Society's Gardens were again in excess of the preceding years, and form the largest total ever taken in this way by the Society since the opening of the Gardens to the public, except in the two "Exhibition years."

The balance brought forward for the year 1864 was  $\pounds 1544 \ 9s. \ 6d.$ , which added to the Income received during the year gave a total of  $\pounds 25,001 \ 11s. \ 3d.$  available for the expenditure of the year 1865.

### b. Expenditure.

The ordinary Expenditure of the Society paid during the year 1865, under which head is placed every item necessary to keep the Society's large and increasing establishment in a perfect state of efficiency, was £18,721 12s. 3d. The extraordinary Expenditure paid during the same period amounted to £4850 7s. 6d., making a total Expenditure of £23,571 19s. 9d., and leaving a balance in the banker's hands at the end of the year of £1429 11s. 6d.

The subjoined table gives a comparison of the total expenditure of the year 1865 with that of the preceding year.

		Ex	pene	liture of				Deserves
	180	i4.		186	5.		Increase.	Decrease.
	£	8.	d.	£	s.	d.	£ s. d.	£ s. d.
Arrears of previous years	4,621			3,715				906 3 2
Rent, Rates, and Taxes	1,215			704				511 7 4
Salaries, Wages, and Pen-	-1							
sions	3,754	4	10	4,027	2	0	272 17 2	
Cost and Carriage of Animals	1,612		4	2,197			585 6 4	
Provisions	3,716		1	3,956		4	240 1 3	
Menagerie Expenses	1,503		10	1,594		0	91 2 2	
Keepers' Dresses	111		6	110		6		0 17 0
New Buildings and Works				1				
connected	965	18	8	1,075	1	3	109 2 7	
Other Works, and Repairs	3,849	1	7	2,752		6		1,095 9 1
Garden Expenses	514	14	7	655		5	141 0 10	
Band Expenses	175	8	6	177	11	3	2 2 9	
Advertisements	124	14	6	151	8	6	26 14 0	
House and Office Expenses	309	15	7	379	3	2	69 7 7	
Stationery	41	17	5	43	13	2		1 4 3
Printing (Miscellancous)	134	8	10	225	8	7	90 19 9	
Scientific Publications	1,125	8	4	1,475	5		349 17 7	
Library Expenses	355	6	0	320	6	7		34 19 5
Returned Subscriptions	10	3	0	9	3	Ó		1 0 0
Cost of Expedition to India	744	15	4					744 15 4
	24,889		4	23,571	19	9	1,978 12 0	3,295 15 7
Decrease	••••••	•••		1,317	3	7	Ded. Incr.	1,978 12 0
	24,889	3	4	24,889	3	4		1,317 3 7
Ordinary Expenditure	17,207	10	7	18,721	12	3	1,514 1 8	
Extraordinary ditto	7,681			4,850				2,831 5 3
•							Ded. Incr.	1,514 1 8
	24,889	3	4	23,571	19	9		1,317 3 7

The increase under the head of "salaries, wages, and pensions" has been caused partly by a small addition to the Society's staff of officers (particularly that of a "Prosector," under circumstances which will be detailed below), and partly by the necessity of slightly augmenting the salaries of the keepers and other persons in the Society's employment, on account of the generally increased expenses of living in the metropolis. A larger sum than usual has also been spent upon additions to the Society's Menagerie, by which, however, some very valuable animals have been secured. The augmentation of the Society's collection; and the high price of many articles of general consumption, also caused an extra expenditure for "provisions" during the year 1865, which, it will be observed, amounted altogether to £240. The augmentation of these three items, together with the additional sum expended on publications under circumstances which will be stated in a succeeding portion of this Report, will, as the Council believe, sufficiently explain the increase of ordinary expenditure in 1865 over that of the preceding year.

The extraordinary Expenditure during the year 1865 consists of the following items :---

#### Particulars of Extraordinary Expenditure paid in 1865.

Arrears of 1864 .....

£ s. d. 2,220 16 7

#### 1. New Buildings and Works.

New Deer Sheds, internal fittings, and						
Fences	635	4	2			
New Beaver's Pond	47	15	8			
New Eagle Aviary	- 99	11	0			
New Fences for Antelope and Eland yards	240	8	9			
New Dissecting House and fittings, &c	253	8	1			
Additions to the Wapiti House	40	17	0			
New Entrance Gates	165	0	0			
New Road near Pheasantry	48	18	1			
New Lobby and Additional Cages in						
Monkey House	64	10	0			
Removal of the Old Monkey House	43	10	10			
Cleaning out and repuddling the Three-						
Island Pond	52	12	0			
Carrying Water-main across Canal	35	5	0			
New Hurdles for Borders	80	6	1			
Preparing Gallery for Pictures	13	0	9			
				1,820	7	5
				/		

#### 2. Menagerie.

500 0 Cost of African Elephant ..... 0 Cost of other special additions.....  $290 \ 13$ 6 790 13 6

3. Publications.

Preparing Index to Proceedings 1830 to 1847-18 10 0

£4,850 7 6

The arrears of extraordinary Expenditure of 1864 paid during the year 1865 consisted mainly of the balance due to Messrs. Lucas upon their contract for the erection of the new Monkey House and to works connected therewith.

The sum of £1820 7s. 5d. was devoted to new buildings and works during the year 1865, that of £790 13s. 6d. to some extraordinary acquisitions for the Society's Menagerie, and that of £18 10s. to the preparation of an Index-volume to the first series of the Society's 'Proceedings.' Further observations concerning these three amounts will be given in a future part of the Report.

#### c. Reserve Fund.

The Society's Reserve Fund consists of a sum of  $\pounds 10,000$ 3 per Cents. Reduced, in which no change has been made since the last Anniversary.

#### d. Assets and Liabilities.

The Cash Assets of the Society on the 31st of December 1865 amounted to—

3 per Cents . . . . 9,356 2 10

- 10,785 14 4

The sums due to the Society for arrears on the 31st of December 1865 were estimated as follows :—

Annual Subsci	rip	otio	ns		195	0	0	
Ivory Tickets					12	12	0	
Publications					253	9	4	
Garden Sales .					911	10	6	
								1 9/

- 1,372 11 10

12,158 6 2

The Liabilities at the same period were esti-

II. OFFICE, 11 HANOVER SQUARE.
 1. SCIENTIFIC MEETINGS AND PUBLICATIONS.
 The General Meetings of the Society for scientific business have been regularly held in the Society's House

during the year 1865, and a large number of important communications have been made to them. It has, however, long been felt that it would be of advantage to the best interests of zoological science, and at the same time of great convenience to the habitual attendants at the Society's Scientific Meetings, if these Meetings could be held in more immediate connexion with those of the other scientific societies of the metropolis, particularly with those of the Linnean Society, which is devoted to the cultivation of similar branches of science. The subject having been duly considered by the Councils of both Societies, the result has been that a most courteous invitation has been given by the Linnean Society to this Society to hold its Scientific Meetings during the next Session (1866-7) in the room of the former Society at Burlington House on alternate Thursdays with the Meetings of the Linnean Society. The Council have gladly accepted this liberal offer, and have every reason to believe that the experiment thus inaugurated will lead to successful results as regards the best interests of the two Societies, and may also, perhaps, tend to the establishment of a better system of cooperation among all the various Scientific Societies of London.

The Proceedings of the Scientific Meetings of the Society, both with and without Illustrations, have been regularly issued since the last Anniversary. The publication of the last part for 1865 has been somewhat delayed by the unusual size of the volume, which contains no less than 872 pages, and is illustrated by 47 plates. The first part of 'Proceedings' for the present year is also ready for issue.

An Index to the first series of the Society's ' Proceedings' (from 1830 to 1847) has been prepared and printed. The price of it to Fellows is 4s. 6d., to the Public 6s. But a copy may be obtained gratis by any subscriber to the publications who possesses the series referred to, on application at the Society's Office.

The issue of the fifth and last part of the fifth volume of the Society's 'Transactions' has likewise been very much delayed on account of the failure of one of the artists employed upon the plates to complete his engagement. It is now, however, upon the table, and contains the following important papers :--

IX. "On Dinornis (Part IX.): containing a description of the Skull, Atlas, and Scapulo-coracoid Bone of the Dinornis robustus, Owen." By Professor Owen, F.R.S., F.Z.S., &c.

X. "On New or Imperfectly known Species of Marine Ostracoda." By George Stewardson Brady.

XI. "On Dinornis (Part X.): containing a description of part of the Skeleton of a flightless Bird, indicative of a New Genus and Species (*Cnemiornis calcitrans*, Ow.)." By Prof. Owen, F.R.S., F.Z.S., &c.

The first part of Volume VI. of the 'Transactions' is in a very forward state, and will be ready for delivery in a few days.

It will be observed that the preparation of these several publications has necessitated the expenditure during the past year of a larger sum of money than has been usually devoted to the Society's scientific publications. But the Council believe that when the large augmentation of the Society's Income that has recently taken place is considered, and the value of these publications in a scientific point of view, containing as they do a series of important contributions from most of the leading zoologists of the day, the Society will allow that the Council have been amply justified in this extra expenditure, especially when it is recollected that, in the words of their Charter, the Society was specially formed for the "advancement of the sciences of Zoology and Animal Physiology."

The Council again wish to call the particular attention of the Fellows to the advantages offered to subscribers to the Society's Publications. The Subscription price of the Publications in the case of Fellows and Corresponding Members of the Society is now reduced to the sum of  $\pounds 1$  1s. per annum, provided such Subscription be paid in advance, before the Anniversary Meeting of the Society, held on the 29th of April in each year.

The Publications of the year consist of three parts of 'Proceedings,' in 8vo, illustrated by upwards of 40 Plates, mostly coloured; and of one or more parts of 'Transactions,' in 4to, with from 10 to 15 Plates. The ordinary prices at which these volumes are sold to the public amounts generally to upwards of Three Pounds in each year.

The publications cannot be sent out by post, but are delivered to Subscribers free of expense at any address within the metropolitan districts.

### 2. LIBRARY.

The sum of £320 6s. 7d. was expended on the improvement of the Society's Library during the year 1865. This sum was mainly incurred in the purchase of new zoological works, and in binding periodicals and other volumes.

A new Library Catalogue is in course of preparation.

Besides the purchased additions, the Society's Library has received, since the last Anniversary, Transactions and Proceedings from the following Institutions:—

#### ENGLAND.

The Royal Society, London.

The Linnean Society, London.

The Royal Geographical Society, London.

The Geological Society, London.

The Royal Institution of Great Britain.

The Royal Horticultural Society, London.

The Photographic Society, London.

The Society of Arts, London.

The Royal United Service Institution, London.

The Royal Asiatic Society of Great Britain.

The Royal Agricultural Society of England.

The Royal College of Surgeons, London.

The Pharmaceutical Society.

The Entomological Society, London.

The Royal Society of Literature.

The British Association for the Advancement of Science.

The Royal Institution of Cornwall.

The Literary and Philosophical Society of Leeds.

The Manchester Free Library.

The Literary and Philosophical Society of Liverpool.

The Geological and Polytechnic Institution of the West Riding of Yorkshire.

The Literary and Philosophical Society of Hull.

The Natural History Society of Northumberland, Durham, and Newcastle-upon-Tyne. The Plymouth Institution and Devon and Cornwall Natural History Society.

SCOTLAND.

The Royal Society of Edinburgh.

#### IRELAND.

The Royal Geological Society of Ireland. The Royal Irish Academy. The Natural History Society of Dublin.

The Royal Dublin Society.

#### EAST INDIES.

The Royal Asiatic Society of Bengal.

- The Royal Asiatic Society of Bengal-North China Branch, Shanghai.
- The Royal Union of Natural History of the Netherland-Indies, Batavia.
- The Society of Arts and Sciences, Batavia.

#### AUSTRALIA.

The Royal Society of Victoria, Melbourne. The Entomological Society of New South Wales. The Australian Society of Victoria, Melbourne.

#### AMERICA.

The American Philosophical Society, Philadelphia.

The Franklin Institute, Philadelphia.

The Smithsonian Institution, Washington.

The American Academy of Arts and Sciences, Boston.

The Lyceum of Natural History, New York.

The Boston Society of Natural History.

The Society of Natural History, Portland.

The Nova Scotia Institute of Natural Science, Halifax.

#### FRANCE.

The Imperial Academy of Sciences, Paris.

The Imperial Zoological Society of Acclimatation, Paris.

The Linnean Society of Normandy.

The Imperial Academy of Sciences, Fine Arts, and Belle Lettres, Lyons.

The Imperial Society of Agriculture, Natural History, and Useful Arts, Lyons.
The Entomological Society of France.
The Imperial Society of Emulation, Abbeville.

#### RUSSIA.

The Imperial Academy of Sciences of St. Petersburg. The Imperial Society of Naturalists of Moscow. The Society of Natural Sciences, Helsingfors.

#### SCANDINAVIA.

The Royal Danish Society of Sciences, Copenhagen. The Royal Norwegian University, Christiania.

#### SWITZERLAND.

The Physical and Natural History Society of Geneva. The Society of Natural Sciences, Neuchâtel. The Swiss Society of Natural Sciences, Lausanne.

#### BELGIUM.

The Royal Academy of Belgium. The Royal Society of Sciences, Liége.

#### ITALY.

The Royal Lombardian Institute of Science and Literature, Milan.

The Royal Academy of Sciences, Turin. The Italian Society of Natural Sciences, Milan.

#### HOLLAND.

The Royal Academy of Sciences, Amsterdam. The Dutch Society of Sciences, Haarlem.

#### SPAIN.

The Royal Academy of Sciences of Madrid.

#### GERMANY.

The Natural History Society of Halle.

The German Ornithologists' Society.

The Imperial Leopoldino-Carolinian Academy of Naturalists.

The Senckenbergian Society, Frankfort-on-the-Main.

The Royal Bavarian Academy of Sciences, Munich.

The Royal Academy of Sciences of Berlin.

The Society of the Friends of Natural History, Berlin.

The Zoological Society of Frankfort-on-the-Main. The Imperial Academy of Sciences, Vienna. The Imperial Geological Institute of Vienna. The Zoologico-Botanical Society of Vienna. The University and Royal Society of Sciences, Göttingen.

The Royal Physical and Economical Society of Königsberg. The Natural History Society of Würtemberg.

The Natural History Society of Rhenish Prussia and Westphalia.

Donations of Works, Memoirs, and Papers have also been received from Edward Newman, Esq., F.Z.S.; Prof. Tennant, F.Z.S.; Mrs. Gray; MM. Crosse and Fisher; George Sclater Booth, Esq., M.P., F.Z.S.; Dr. F. Troschel; Prof. Agassiz; Dr. Joseph Leidy; M. J. Boucher de C. de Perthes; Prof. J. J. Bianconi; Prof. E. Cornalia; John Hogg, Esq.; Prof. J. V. Barboza du Bocage; Dr. R. M'Donnell; Prof. R. Owen, F.R.S., F.Z.S.; the Editor of the Pharmaceutical Journal; the Trustees of the British Museum; Dr. J. E. Gray, F.R.S., F.Z.S.; Royal College of Surgeons; Frank Haes, Esq.; and the Editor of The Athenæum.

The heavy pressure of other more immediately important work in the Gardens has caused much delay in the fitting up of the upper part of the old Museum for the exhibition of the Series of Water-colour Drawings by Mr. Wolf, belonging to the Society's Library. But the room is now nearly completed, and the pictures hung, and the whole will be ready for the reception of visitors early in next month. It cannot be doubted that the merits of these valuable drawings, when thus displayed, will be more fully appreciated by the Fellows, as well as by the public at large, and that their exhibition will attract many additional visitors to the Society's Gardens.

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

### 1. BUILDINGS AND WORKS.

The large expenses incurred upon the erection of the new Lodges, new large Aviary, and new Monkey House, not having been fully paid off at the commencement of the year 1865, as already mentioned, the Council did not think it expedient to undertake any very important buildings during that year. But the Council were nevertheless enabled to devote the special sum of £1820 7s. 5d. to various minor undertakings in the Society's Garden establishment. Amongst these may be particularly noted (1.) A commodious range of sheds and yards for the smaller Deer (of which the Society possess a fine series), erected near the Superintendent's dwelling-house, at a total cost, inclusive of fittings, of £635 4s. 2d.

B

(2.) A new pond and inclosure for the Beavers next to the Deer sheds, at a cost of  $\pounds 47$  15s. 8d.

(3.) A new Aviary for Eagles, formed out of part of the cages removed from the old Monkey House, at a cost of  $\pounds 99\ 11s$ .

(4.) Solid new iron fences round the Antelope and Eland yards, at a cost of  $\pounds 240$  8s. 9d. It is believed that a material improvement has thus been effected in both these buildings, several accidents having recently occurred owing to the unsafe state of the former fences.

(5.) The sum of  $\pounds 253$  8s. 1d. has been spent in the erection of a dissecting-room and the necessary fittings thereto. This expenditure was necessitated by the appointment of the "Prosector" to the Society, under the circumstances hereafter mentioned.

(6.) Additional accommodation was provided in the Wapiti House, at a cost of  $\pounds 40 \ 17s$ .

(7.) A new iron railing and a pair of new entrance gates were erected at the main entrance to the Society's Gardens, to replace the wooden pailings which formerly stood there, at a cost of  $\pounds 165$ .

Various other minor improvements, the total cost of which amounted to  $\pounds 338\ 2s.\ 9d.$ , make up the total sum of  $\pounds 1820\ 7s.\ 5d.$ , which was devoted to the permanent improval of the Society's Garden Establishment in the year 1865.

#### 2. VISITORS.

The number of visitors to the Society's Gardens during the year 1865 again shows a very material increase when compared with the previous year, as will be seen by the subjoined table.

Visitors to the Gardens.

		1864.	1865.	Comparison.
Fellows	and Friends	96,066	111,225	Incr. 15,159
	( On ordinary days at 1s. each	112,783	116,469	Incr. 3,686
Paying -	On Mondays and other days at 6d. each	255,281	253,171	Decr. 2,110
	Children under 12 years at 6d. each	27,288	29,451	Incr. 2,163
Charity free a	Children and others having }	15,751	14,860	Decr. 891
		507,169	525,176	Incr. 18,007

The year 1865 will now therefore rank next to the two Exhibition years in the number of visitors to the Society's Gardens, as will be seen by the following table, in which the total number of entrances in each year since the Gardens were first opened to the public is given.

Statement of the Number of Visitors to the Society's Gardens during each Year, from the Year 1828 to the Year 1865.

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

### 3. MENAGERIE.

The number of animals belonging to the three first classes of Vertebrata living in the Society's Menagerie at the close of last year was 1956. The corresponding number on the 31st of December 1864 was 1858, showing an increase of 98 upon the year.

The more noticeable additions to the Menagerie during the year 1864 were the following :---

1. A Prong-horned Antelope (Antilocapra americana), purchased in January 1865, being the first and only example of this singular animal ever received alive in Europe.

2. A Three-banded Armadillo (Tolypeutes conurus, Is. Geoff.), received from the Acclimatation Society of \* Years of the two Exhibitions. в 2

Paris. This little animal (which differs from the ordinary form of the species in the entire absence of the rudimentary first digit, having but three front toes) is very remarkable for its curious manner of progression. In walking, only the pointed tips of the elongated nails of the second and third digits of the front feet touch the ground, and the body is often supported merely on the tip of the third digit only.

3. A male Siamese Pheasant (*Euplocamus prælatus*), received in exchange from the Acclimatation Society of Paris, being the first example of this rare and splendid bird imported into this country.

4. A pair of the rare Fruit-Pigeons of the Seychelles Islands (*Erythrænas pulcherrima*, Scop.), remarkable for the curious naked wattles at the base of the bill and for other peculiarities. This pair of birds (believed to be the only individuals of the species ever received alive in this country) were presented to the Society by Lady Barkly, the wife of His Excellency Sir Henry Barkly, K.G., Governor of Mauritius.

5. A King Penguin (Apterodytes pennantii) of the Falkland Islands. This bird, which was believed to be the only Penguin ever brought alive to Europe, was obtained at the Falklands and skilfully conveyed to this country by Commander Fenwick, of H.M.S. 'Harrier,' by whom it was liberally presented to the Society. During its short life in the Society's Gardens last summer this strange-looking bird attracted universal attention.

6. An example of a rare West-Indian Parrot (Chrysotis augusta), presented to the Society by Mr. C. N. Bernard. 7. A young male African Elephant, received from the Jardin des Plantes, Paris, in exchange for a female Rhinoceros, and believed to be the first example of this animal ever exhibited in this country. To this was added shortly afterwards by purchase, as a special acquisition, for the sum of £500, a young female African Elephant, making a pair of these animals, both of which are now living in good health in the Society's Menagerie.

8. An Abyssinian Hornbill (Bucorax abyssinicus), purchased along with the African Elephant.

9. A Tree-Kangaroo (Dendrolagus inustus, Müll.) from New Guinea, received in exchange from the Zoological Gardens, Rotterdam.

An important event connected with the Society's Mena-

gerie, which took place during the past year, was the appointment of a new officer called a "Prosector," whose duty it is to make a careful anatomical examination of every animal that dies in the Society's Menagerie. It has long appeared to the Council that great advantages would arise from the institution of such an Office in the Society's Menagerie,—in the first place, as likely to lead to a better knowledge of the diseases of animals, a subject of which we are at the present time lamentably ignorant, and by the knowledge thus acquired to induce a better treatment of them when alive; and in the second place, in the interests of zoological science, in order that a more perfect and systematic record may be kept of the internal structure of the many rare and valuable animals that from time to time die in the Society's Menagerie. It was not however, until the past year that the Council felt the financial position of the Society to be such as would warrant them in adding to the staff a new official, the nature of whose duties renders it necessary that he should be a member of a liberal profession, and should receive adequate remuneration for his services.

By the appointment of Dr. James Murie, late of the University of Glasgow, who was selected for the new post of "Prosector" out of a large number of candidates for the office, the Council believe that they have secured the services of a gentleman in every way qualified for this arduous situation, and likely at once to advance the best interests of the Society and those of zoological science.

LIST OF ANIMALS WHICH HAVE BEEN BRED IN THE GARDENS OF THE ZOOLOGICAL SOCIETY BETWEEN THE 1ST OF JANUARY 1865 AND THE 1ST OF JANUARY 1866.

### MAMMALS.

1. Hybrid between the Black-fronted Lemur (Lemur nigrifrons, Geoff.) and the Yellow-cheeked Lemur

- (Lemur xanthomystax, Gray).
- 2. Dingo (Canis dingo, Blumenb.).
- 3. Lion (Felis leo, Linn.).
- 4. Tiger (Felis tigris, Linn.).
- 5. African Leopard (Felis varia, Gray).
- 6. Polar Bear (Thalassarctos maritimus, Linn.).
- 7. Orange-quilled Porcupine (Hystrix malabarica, Sclater).

- 8. Golden Agouti (Dasyprocta aguti).
- 9. Wapiti Deer (Cervus canadensis, Briss.).
- 10. Persian Deer (Cervus wallichii, Cuv.).
- 11. Japanese Deer (Cervus sika, Temm.).
- 12. Sambur Deer (Cervus aristotelis, Cuv.).
- 13. Molucca Deer (Cervus moluccensis, Müll.).
- 14. Axis Deer (Cervus axis, Erxl.).
- 15. American Deer (Cervus ------).
- 16. Hybrid between American Deer (Cervus —) and the Mexican Deer (Cervus mexicanus, H. Smith).
- 17. Giraffe (Camelopardalis giraffa, Gm.).
- 18. Aoudad (Ovis tragelaphus, Desm.).
- 19. African Sheep (Ovis aries, Linn., var.).
- 20. Hybrid Cretan Goat (Capra beden, Forsk.).
- 21. Cashmere-Shawl Goat (Capra hircus, Linn., var.).
- 22. Alpine Chamois (Rupicapra tragus, Gray).
- 23. Eland (Oreas canna, Pall.).
- 24. Brahmin Cattle (Bos indicus, Linn., var.).
- 25. Burchell's Zebra (Equus burchellii, Gray).
- 26. Vulpine Phalanger (Phalangista vulpina, Shaw).
- 27. Short-headed Phalanger (Belideus breviceps, Waterhouse).
- 28. Yellow-footed Rock-Kangaroo (Petrogale xanthopus, Gray).
- 29. Bennett's Wallaby (Halmaturus bennettii, Waterh.).
- 30. Derbian Wallaby (Halmaturus derbianus, Gray).

#### BIRDS.

- 1. Turquoisine Parrakeet (Euphema pulchella, Shaw).
- 2. Spotted-sided Finch (Amadina lathami, Vig. et Horsf.).
- 3. Cambayan Turtledove (Turtur senegalensis, Linn.).
- 4. Vinaceous Turtledove (Turtur vinaceus, Gm.).
- 5. Barred Dove (Geopelia striata, Linn.).
- 6. Red Ground-Dove (Starnænas montana, Linn.).

Crested Pigeon (Ocyphaps lophotes, Temm.).
 Bronze-winged Pigeon (Phaps chalcoptera, Lath.).
 Bartlett's Pigeon (Phlogænas crinigera, Puch.).
 Nicobar Pigeon (Calænas nicobarica, Linn.).
 Pintailed Sand-Grouse (Pterocles alchata, Linn.).
 Impeyan Pheasant (Lophophorus impeyanus, Lath.).
 Japanese Pheasant (Phasianus versicolor, Vieill.).

- 14. Sæmmering's Pheasant (Phasianus sæmmeringii, Temm.).
- 15. Cheer Pheasant (Phasianus wallichii, Hardw.).
- 16. White-crested Kaleege (Euplocamus albo-cristatus, Vig.).
- 17. Black-backed Kaleege (Euplocamns melanotus, Blyth).
- 18. Purple Kaleege (Euplocamus horsfieldii, Gray).
- 19. Lineated Pheasant (Euplocamus lineatus, Lath. MS.).
- 20. Hybrid between the Lineated Pheasant (Euplocamus lineatus, Lath. MS.) and the Siamese Pheasant (Euplocamus prælatus, Bonap.).
- 21. Sonnerat's Jungle-fowl (Gallus sonneratii, Temm.).
- 22. Bankiva Jungle-fowl (Gallus bankiva, Temm.).
- 23. Horned Tragopan (Ceriornis satyra, Linn.).
- 24. Hybrid between the Common Turkey (Meleagris mexicana, Gould, var. domestica) and the Ocellated Turkey (Meleagris ocellata, Temm.).
- 25. Emu (Dromæus novæ-hollandiæ, Vieill.).
- 26. Sun-Bittern (Eurypyga helias, Pall.).
- 27. Upland Goose (Chloëphaga magellanica, Gm.).
- 28. Ashy-headed Goose (Chloëphaga poliocephala, Gray).
- 29. Ruddy-headed Goose (Chloëphaga rubidiceps, Sclater).
- 30. Black-necked Swan (Cygnus nigricollis, Gm.).
- 31. Variegated Sheldrake (Tadorna variegata, Gm.
- 32. Summer Duck (Aix sponsa, Linn.).
- 33. Mandarin Duck (Aix galericulata, Linn.).
- 34. Bahama Duck (Pacilonetta bahamensis, Linn.).
- 35. Dusky Duck (Anas obscura, Gm.).
- 36. Common Teal (Querquedula crecca, Linn.).

The List of Animals exhibited for the first time during the year 1865 is as follows :—

#### MAMMALS.

- 1. Spider Monkey (Ateles -----).
- 2. Tytler's Paradoxure (Paradoxurus tytleri, Blyth).
- 3. Skunk (Mephitis americana, Shaw).
- 4. Sand-Badger (Meles ankuma, Temm.).
- 5. Texan Squirrel (Sciurus -----).
- 6. European Souslik (Spermophilus citillus, F. Cuv. et Geoff.).

- 7. Spiny Rat (Echimys spinosus, Desm.).
- 8. Short-tailed Utia (Capromys brachyura, Hill).
- 9. African Elephant (Elephas africanus, (Blumenb.).
- 10. Tibetan Deer (Cervus affinis, Hodgs.).
- 11. Péron's Deer (Cervus peronii).
- 12. Mantchurian Deer (Cervus mantchuricus, Swinhoe).
- 13. Pronghorn Antelope (Antilocapra americana, Ord).
- 14. Dama Antelope (Gazella dama, Pall.).
- 15. West-Indian Ox (Bos taurus, Linn., var.).
- 16. White-whiskered Pig (Sus leucomystax, Temm.).
- 17. Little Armadillo (Dasypus minutus, Desm.).
- 18. Three-banded Armadillo (Tolypeutes conurus, Is. Geoff.).
- 19. Phalanger (Phalangista canina, Ogilby).
- 20. Lunulated Kangaroo (Onychogalea lunulata, Gould).
- 21. Rufous Jerboa Kangaroo (Bettongia rufescens, Gray).

#### BIRDS.

- 1. Occipital Vulture (Vultur chincou, Daud.).
- 2. Rüppell's Vulture (Gyps rueppellii, Bonap.).
- 3. Pileated Vulture (Neophron pileatus, Burch.).
- 4. Letter-winged Kite (Elanus scriptus, Gould).
- 5. Lord Elgin's Hawk (Hæmatornis elginii, Tytler).
- 6. Jugger Falcon (Falco jugger, Gray).
- 7. Savigny's Eagle Owl (Bubo ascalaphus, Sav.).
- 8. Grey Eagle Owl (Bubo cinerascens, Guèrin).
- 9. White-eared Owl (Otus leucotis, Temm.).
- 10. Pagoda Owl (Syrnium selo-puto, Horsf.).
- 11. Downy Owl (Athene torquata, Daud.).
- 12. Cape Barn Owl (Strix capensis, A. Smith).
- 13. Green Ground-Parrakeet (Pezoporus formosus, Lath.).
- 14. Golden-headed Parrakeet (Platycercus auriceps, Kuhl).
- 15. Sclater's Hanging Parrakeet (Loriculus sclaterii, Wallace).
- 16. Red-billed Hornbill (Toccus erythrorhynchus, Temminck).
- 17. Yellow-vented Bulbul (Pycnonotus crocorrhous, Strickl.).
- 18. Superb Tanager (Calliste fastuosa, Less.).
- 19. Green-headed Tanager (Calliste tricolor, Gm.).
- 20. Red-headed Bunting (Euspiza luteola, Sparrm.).

- 21. Crimson-billed Weaver-bird (Quelea occidentalis, Hartl.).
- 22. Ox-Bird (Textor alecto, Temm.).
- 23. Erythrine Finch (Carpodacus erythrinus, Pall.).
- 24. Dusky Finch (Phonipara ----).
- 25. Black and Yellow Cacique (Cassiculus melanicterus, Bonap.).
- 26. De Filippi's Starling (Sturnella defilippii, Bp.).
- 27. Long-tailed Glossy Thrushes (Lamprocolius æneus, Linn.).
- 28. Rufous-vented Glossy Thrushes (Lamprocolius rufiventris, Rüpp.).
- 29. Chinese Jay Thrush (Garrulax chinensis, Scop.).
- 30. Piapec (Ptilostomus senegalensis, Briss.).
- 31. Grey Crow (Strepera anaphonensis, Temm.).
- 32. Hill-Crow (Strepera arguta, Gould).
- 33. White-backed Crow (Corvus curvirostris, Gould).
- 34. Red-crowned Pigeon (Erythrænas pulcherrima, Scop.).
- 35. Indian Fruit-eating Pigeon (Carpophaya sylvatica, Tick.).
- 36. Superb Fruit-eating Pigeon (Ptilonopus superbus).
- 37. Lesser Pintailed Sand-Grouse (Pterocles exustus, Temm.
- 38. Lichtenstein's Sand-Grouse (Pterocles lichtensteinii, Temm.).
- 39. Himalayan Snow-Partridge (Tetraogallus himalayensis, Gray).
- 40. Hey's Partridge (Caccabis heyi, Temm.).
- 41. Golden Pheasant (Thaumalea picta, Linn.), new variety.
- 42. Siamese Pheasant (Euplocamus prælatus, Bonap.).
- 43. Swinhoe's Pheasant (Euplocamus swinhoii, Gould).
- 44. Common Sandpiper (Totanus hypoleucos, Linn.).
- 45. Great Egret (Egretta alba, Linn.).
- 46. Chestnut-breasted Duck (Anas punctata, Cuv.).

47. Goosander (Mergus merganser, Linn.).

48. Noddy Tern (Anous stolida, Linn.).

49. African Cormorant (Phalacrocorax ----).

50. Pennant's Penguin (Apterodytes pennantii, Gray).

### REPTILES.

Teguexin Lizard (Teuis teguexin, Linn.).
 Black Viper (Vipera prester, var. nigra).

4. Pale-headed Snake (Epicrates angulifer, Bibr.).

### CRUSTACEANS.

1. Land-Crab (Cardiosoma guanhumi, Marcgr.).

2. Hermit Crab (Canobita rugosa, Edw.).

The following is a List of Donors and of their several Donations to the Menagerie during the year 1865.

### HER MAJESTY THE QUEEN.

Three Sambur Deer (Cervus aristotelis, Cuv.).

Acclimatization Society of New South Wales.

One Double-crested Pigeon (Lopholaimus antarcticus, Shaw).

Acclimatization Society of Victoria.

Three Vulpine Phalangers (Phalangista vulpina, Shaw), one Short-headed Phalanger (Belideus breviceps, Waterh.), one Cereopsis Goose (Cereopsis novæ-hollandiæ, Lath.), four Maned Geese (Bernicla jubata, Lath.), three Australian Sheldrakes (Casarca tadornoides, Jard. and Selb.), two Cuvier's Podargus (Podargus cuvieri, Vig. et Horsf.), three Harlequin Bronze-winged Pigeons (Phaps histrionica, Gould), five Weka Rails (Ocydromus australis, Sparrm.).

Aird, J., Esq.

One Red and Yellow Maccaw (Ara chloroptera, Gray). Allen, Dr. R. Austen.

Two Waxbills from St. Helena (*Estrelda*----). Angas, Miss Ada.

One Male Bronze-winged Pigeon (Phaps chalcoptera, Lath.).

Ansell, Mrs. A. OneBonnet-Monkey (Macacus radiatus, Shaw). Arcedeckne, Andrew, Esq., F.Z.S.

Thirty Crayfish, two Common Tench (Tinca vulgaris, Cuv.), a collection of Marine Animals.

Ashburner, L., Esq. Two Tigers (Felis tigris, Linn.). Atkins, George, Esq.

One River-Jack (Clotho nasicornis, Shaw). Austin, N. L., Esq.

One Common Dormouse (Myoxus muscardinus, Linn.). Baragett, J. M., Esq.

One Peregrine Falcon (Falco peregrinus, Linn.). Barkly, Lady.

Two Red-crowned Pigeons (Erythrænas pulcherrima, Scop.).

Barling, Thomas, Esq.

Two Common Adders (Pelias berus, Merr.).

Baynes, W. F., Esq.

One Bonnet-Monkey (Macacus radiatus, Shaw). Bellamy, H. B., Esq.

One Stock-Dove (Columba ænas, Linn.).

Bernard, P. N., Esq.

One Vigors's Parrot (Crysotis angusta, Vig.). Bicknell, —, Esq.

One Ortolan Bunting (*Emberiza hortulana*, Linn.). Bird, G. E., Esq. One Iguana (*Iguana* —). Bird, W. C., Esq.

Five Cape Barn-Owls (Strix capensis, A. Smith). Booker, A. M., Esq.

One Black-and-yellow Cacique (Icterus -----). Booker, Josiah, Esq.

Two King Vultures (Gyparchus papa, Linn.). Boyle, Miss.

One Undulated Grass-Parrakeet (Melopsittacus undulatus, Shaw).

Bramley, J., Esq.

One Common Chameleon (Chamæleon vulgaris, Daud.). Broadwood, J. J., Esq.

One Formosan Deer (Cervus taevanus, Blyth). Brooks, Mrs.

Three Barbary Partridges (Caccabis rufa, Linn.). Buckland, Frank T., Esq, F.Z.S.

Five hundred Salmon- and Trout-ova (Salmo salar, Linn., and Salmo fario, Linn.).

Buckland, Mrs. Frank T.

One Common Quail (Coturnix dactylisonans, Meyer). Buckley, H., Esq., F.Z.S.

Two Common Sea-Eagles (Haliaetus albicilla, Linn.). Bushby, Miss.

One Ring-necked Parrakeet (Palæornistorquata, Linn.). Butler, Charles, Esq., F.Z.S.

One Red-and-yellow Maccaw (Ara chloroptera, Gray).

Calvert, Henry C., Esq.

Seven Hey's Partridges (Caccabis heyi, Temm.), six Lichtenstein's Sand-Grouse (Pterocles lichtensteinii, Temm.), six Cape-Doves (Œna capensis, Linn.), from Djeddah, Arabia.

Campbell, F., Esq. One Hoopoe (Upupa epops, Linn.). Campbell, Mrs. One African Leopard (Felis varia, Gray). Chalmers, Francis, Esq.

One Garnett's Galago (Galago garnettii, Ogilby). Cheetham, W., Esq.

One Green Monkey (Cercopithecus callitrichus, Is. Geoff.) Coleman, F., Esq. A collection of Small Reptiles. Collie, Alexander, Esq.

Five Black-eared Marmosets (Hapale penicillata, Geoff.). Cooper, W. S. C., Esq.

One Maugé's Dasyure (Dasyurus maugæi, Geoff.). Cope, Thomas, Esq.

One Bonnet-Monkey (Macacus radiatus, Shaw). Crystal Palace Company, Sydenham.

One Anubis Baboon (Cynocephalus anubis, F. Cuv.). Cubitt, William, Esq.

One White-tailed Gnu (Catoblepas gnu, Gmel.), one Lioness (Felis leo, Linn.).

Da Costa, John, Esq.

Two Grey Ichneumons (Herpestes griseus, Geoff.), one Brown Coati (Nasua fusca, Desm.).

D'Almeida, W. Barrington, Esq.

One Common Cuckoo (Cuculus canorus, Linn.). Daly, Col. One pair of Tigers (Felis tigris, Linn.). Darley, C. E., Esq.

One Grey Ichneumon (Herpestes griseus, Geoff.). De Pass, M. M.

One Black-backed Jackal (Canis mesomelas, Schreb.). D'Eu, The Comte and Comtesse.

One Spotted Cavy (Cælogenys paca, Linn.), one Whitecrested Guan (Penelope leucolopha, Mey.), one Rufous Tinamou (Rhynchotis rufescens, Temm.)

Donnithorne, Arthur, Esq.

One Macaque Monkey (Macacus cynomolgus, Linn.). Draper, F. W., Esq.

Two Laughing Kingfishers (Dacelo gigantea, Lath.). Du Carn, Miss M. D.

One Senegal Parrot (Pæocephalus senegalensis, Linn.). Duleep Singh, Prince, K.S.I., F.Z.S. One Jugger Falcon (Falco jugger, Gray). Fenwick, Commander, R.N.

One Pennant's Penguin (Apterodytes pennantii, Gray). Forbes, Capt. H. T., Roy. Art.

One Entellus Monkey (Semnopithecus entellus, Linn.). Furby, A. M. Esq.

One Bonnet-Monkey (Macacus radiatus, Linn.).

Gardiner, W. A., Esq. One West-African Python (Python sebæ, Gmel.). Gardner, Capt. Alan, R.N. One Cuvier's Gazelle (Gazella cuvieri, Ogilby). Garvagh, Lord, F.Z.S. One Common Badger (Meles taxus, Schreb.). Glover, Messrs., & Co. One White-whiskered Pig (Sus leucomystax, Temm.). Goring, C. A., Esq. One Marsh-Harrier (Circus æruginosus, Linn.). Gould, John, Esq., F.Z.S. One Wood-Owl (Syrnium aluco, Linn.). Greatorex, the Rev. Dan. One Brown Capuchin Monkey (Cebus apella, Briss.). Green, A. F., Esq. Two Vervet Monkeys. (Cercopithecus lalandii, Is. Geoff.). Greey, Edward, Esq., F.Z.S. One Antillean Snake (Dromicus antillensis, Schleg.). Grote, A., Esq., C.M.Z.S. One Tytler's Paradoxure (Paradoxurus tytleri, Blyth), one Zibet (Viverra zibetha, Linn.), two Lord Elgin's Hawks (Hæmatornis elginii, Tytler). Günther, Dr. A., F.Z.S. One Common Heron (Ardea cinerea, Linn.). Gurney, J. H., Esq., F.Z.S. Two Sheep from Lagos (Ovis aries, Linn., var.). Hadow, R. T., Esq. Two Spotted Cavies (Cælogenys paca, Linn.). Hammack, Capt. One Yellow Snake (Chilobothrus inornatus, Desm.). Harraden, Masters E. and H. One Bonnet-Monkey (Macacus radiatus, Shaw.). Hartlaub, Dr. G., F.M.Z.S. Four Hamsters (Cricetus vulgaris, Desm.). Hawkins, -, Esq. One Bonnet-Monkey (Macacus radiatus, Shaw). Hayes, T., Esq. One Macaque Monkey (Macacus cynomolgus, Linn.). Hayward, F. Moreau, Esq. Two Pairs of Common Quails (Coturnix dactylisonans, Meyer). Hellendaal, -, Esq. One Wandaroo Monkey (Macacus silenus, Linn.).

Hewitson, W. C., Esq., F.Z.S.

Two Egyptian Geese (Chenalopex ægyptiaca, Briss.), two Bernicle Geese (Bernicla leucopsis, Bechst.). Hill, G. V., Esq.

One Common Squirrel (Sciurus vulgaris, Linn.). Hincks, S. C., Esq.

Two Greater SpottedWoodpeckers (Picus major, Linn.). Hindle, H., Esq.

One Rhesus Monkey (Macacus erythraus, Schreb.). Hire, Capt. H. W., R.N., of H.M.S. 'Orontes.'

One Meminna Deer (Meminna indica, Gray). Horn, H. H., Esq.

One Bonnet-Monkey (Macacus radiatus, Shaw). Horsfall, W. C., Esq.

One Red-necked Grebe (Podiceps griseigena, Bodd.). Howard, the Hon. Mrs. Greville.

One Emu (Dromæus novæ-hollandiæ, Vieill.).

Huggins, Dr. William, C.M.Z.S.

One Capybara (Hydrochærus capybara, Erxl.).

Hume, Wm. Burnley, Esq.

One Common Otter (Lutra vulgaris, Linn.), one Spotted Cavy (Cælogenys paca, Linn.), two Crested Agoutis (Dasyprocta cristata, Desm.).

Huntingfield, Lord, F.Z.S.

One Common Otter (Lutra vulgaris, Linn.). Jardin des Plantes, Paris.

Two Spiny Rats (Echimys spinosus, Desm.). Jarvis, J. S., Esq.

One Rhesus Monkey (Macacus erythraus, Schreb.). Jones, Miss. One Capuchin Monkey (Cebus capucinus). Joinville, Prince de.

Two Squirrel Monkeys (Callithrix sciureus, Linn.). Joyce, Charles, Esq.

One Flamingo (Phænicopterus antiquorum, Linn.). Jubber, Henry, Esq., F.Z.S.

One Macaque Monkey (Macacus cynomolgus, Linn.).

King, Cecil T., Esq.

One Common Macaque (Macacus cynomolgus, Linn.). Lambert, S., Esq.

One Common Boa (Boa constrictor, Linn.). Lane, J., Esq.

One Common Heron (Ardea cinerea, Linn.). Larkin, John Wingfield, Esq., F.Z.S. One Peregrine Falcon (Falco peregrinus, Linn.). Latimer, G., Esq.

One West-Indian Ox (Bos taurus, Linn., var.). Layard, E. L., Esq., F.Z.S.

Two Black-backed Jackals (*Canis mesomelas*, Schreb.). Le Couteur, Col., F.Z.S. A collection of Marine Animals. Lees, J. D., Esq.

One Rhesus Monkey (Macacus erythræus, Schreb.). Lloyd, Capt. M. H. S., H.M. 80th Regiment.

One Male Tibetan Deer (Cervus affinis, Hodgs.). Macdonald, A., Esq.

Three Indian Turtledoves (Turtur -----). M'Luade, James, Esq.

One Poë Honey-eater (Prosthemadera novæ-seelandiæ, Gmel.).

Magniac, Charles, Esq.

One Great Kangaroo (Macropus giganteus, Shaw). Malcolm, John Wingfield, Esq.

Two male Black Grouse (Tetrao tetrix, Linn.).

Mason, C. J., Esq.

One Grey Ichneumon (Herpestes griseus, Geoff.). Mayo, Miss Mary J.

One Australian Crow (Corvus australis, Sclater), two Grey Crows (Strepera anaphonensis, Temm.), one Hill-Crow (Strepera arguta, Gould).

Mellersh, Capt. A., R.N.

One De Filippi's Starling (Sturnella defilippii, Bonap.). Miller, O. Esq.

Two Common Turkeys (Meleagris mexicana, Gould, var. domestica).

Mitford B., Esq.

One Common Sandpiper (Totanus hypoleucos, Linn.). Moore, Mrs. R. W.

One Black-and-white Goose (Anseranas melanoleuca, Less.).

Mueller, Dr., C.M.Z.S.

Three Emus (Dromæus novæ-hollandiæ, Vieill.), one

Australian Monitor (Monitor gouldii, Schleg.), six Australian Waxbills (Estrelda temporalis, Lath.), one Dingo Dog and four Puppies (Canis dingo, Blum.), two Black-and-white Geese (Anseranas melanoleuca, Less.), two Leadbeater's Cockatoos (Cacatua leadbeateri, Vig.), one Wedge-tailed Eagle (Aquila audax, Lath.). Mullick, The Babu Rajendra, C.M.Z.S.

One male Gayal (Bos frontalis, Lambert), six Indian Buntings (Euspiza ----).

Napier, Mrs. James M.

One Leadbeater's Cockatoo (Cacatua leadbeateri, Vig.).

Newman, George, Esq.

One Macaque Monkey (Macacus cynomolgus, Linn.). Newton, E., Esq., C.M.Z.S.

Three Madagascar Francolins (Francolinus madagascariensis, Scop.).

Notley, Capt. Henry W.

One Brown Coati (Nasua fusca, Desm.).

Oferberg, Charles, Esq.

One Macaque Monkey (Macacus cynomolgus, Linn.). Oppenheim, J., Esq.

One Alligator (Alligator mississippiensis, Daud.). Pardoe, R. Acton, Esq.

One Macaque Monkey (Macacus cynomolgus, Linn.). Parish, Capt. R.N.

Four Viscachas (Lagostomus trichodactylus, Brookes). Parr, J. C., Esq.

One Sonnerat's Jungle-hen (Gallus sonneratii, Temm.). Perry, Capt. L. L., R.N., of H.M.S. 'Griffon.'

One Philantomba Antelope (Cephalophus maxwellii, H. Smith).

Petherick, John, Esq., C.M.Z.S.

Two African Fowls (Gallus domesticus, Linn., var.). Pike, Capt. One Brown Coati (Nasua fusca, Desm.). Plumridge, Lieut. J., 3rd W.-I. Reg.

One Serval (Felis serval, Schreb.).

Poinard, W., Esq.

One Macaque Monkey (Macacus cynomolgus, Linn.). Presland, R. M., Esq.

One Thick-knee (*Edicnemus crepitans*, Temm.). Rivington, H. Hansard, Esq.

One female King Parrakeet (Aprosmictus scapulatus Bechst.). Ronald, Miss Maria Laura. One Toque Monkey (Macacus pileatus, Shaw). Russell, Arthur J. E., Esq., M.P., F.Z.S. Two Silver and one Gold Carp (Cyprinus auratus, Linn.). Russell, Harrington, Esq., M.P.

OneChinese Sand-Grouse(Syrrhaptes paradoxus, Pall.). St. Jean, E. de, Esq.

One Letter-winged Kite (Elanus scriptus, Gould). Salter, Dr. Samuel James A., F.Z.S.

A Collection of Marine Fishes.

Saxe-Weimar, H.S.H. Prince Edward of, F.Z.S.

One Greater Spotted Woodpecker (Picus major, Linn.). Saxon, Capt.

One Vervet Monkey (Cercopithecus lalandii, Is. Geoff.). Schröder, Carl A., Esq.

Two Golden-crowned Conures (Conurus aureus, Gmel.). Sharpe, P. W., Esq.

One Collared Peccary (Dicotyles tajacu, Linn.). Shuter, Miss.

One Vervet Monkey (Cercopithecus lalandii, Is. Geoff.). Sidgreaves, Charles, Esq.

One young Brown Bear (Ursus arctos, Linn.). Sidney, Mrs.

Three Common Turtledoves (Turtur auritus, Ray). Slade, Henry, Esq. One Kiwi (Apteryx mantellii, Bartl.). Smith, A. G., Esq.

One Chacma Baboon (Cynomolgus porcarius, Bodd.). Sotheby, Mrs.

One Blue-fronted Amazonian (Chrysotis amazonica, Gmel.).

Sothern, C. A., Esq., F.Z.S.

One Esquimaux Dog (Canis familiaris, Linn., var.).

South, R. S. A., Esq.

One Booted Eagle (Aquila pennata, Gmel.).

Soutter, R. H., Esq. .

One Common Boa (Boa constrictor, Linn.).

Spencer, Mrs.

One Pallas's Paradoxure (Paradoxurus pallasii, Gray). Stillwell, T., Esq., F.Z.S.

One Common Chameleon (Chamæleon vulgaris, Daud.).

Swinhoe, R., Esq., F.Z.S., H.B.M.Vice-Consul at Formosa. One Chinese Jay Thrush (Garrulax chinensis, Scop.). one male Swinhoe's Pheasant (Euplocamus swinhoii, Gould).

Swinson, —, Esq. One Macaque Monkey (Macacus cynomolgus, Linn.). Tait, R., Esq. Two Natterjack Toads (Bufo calamita, Laur.), One Herring, Gull (Larus argentatus, Brünn.).

C

Taunton, W. R., Esq. Two Ravens (Corvus corax, Linn.). Taylor, Capt.

One Macaque Monkey (Macacus cynomolgus, Linn.). Thomas, —, Esq. A collection of Marine Animals. Thompson, —, Esq.

> One Greater Sulphur-crested Cockatoo (Cacatua galerita, Lath.).

Thompson, -, Esq., of Weymouth.

A collection of Marine Animals.

Thompson, Col.

Two Indian Porcupines (Hystrix leucura, Sykes). Thompson, Wm., Esq.

One Common Kingfisher (Alcedo ispida, Linn.). Tomkins, J. N., Esq., F.Z.S.

Twenty Common Barnacles.

Toplis, -, Esq.

One Ring-necked Parrakeet (Palæornis torquata, Linn.). Travis, John, Esq.

One Pine-Marten (Mustela martes, Linn.). Trevelyan, Sir W. C., Bart., F.Z.S.

One Brown Coati (Nasua fusca, Desm.). Twentyman, L. R., Esq. Two young Turtles. Vawser, Miss.

Two Golden-crowned Conures (Conurus aureus, Gmel.). Wakeman, G., Esq.

One Pallas's Paradoxure (Paradoxurus pallasii, Gray). Wales, His Royal Highness the Prince of, F.Z.S.

One Grivet Monkey (Cercopithecus griseo-viridis, Desm.). Walker, Thomas, Esq., F.Z.S.

Two young Herring-Gulls (Larus argentatus, Brünn.). Warren, Mrs. Laird.

One Pileated Jay (Cyanocorax pileatus, Temm.). Wells, N. A., Esq.

Two Palm-Squirrels (Sciurus palmarum, Linn.). White, D., Esq.

One Rhesus Monkey (Macacus erythræus, Schreb.).

Widdowson, Robert, Esq.

One Long-eared Owl (Otis vulgaris, Linn.). Wiggins, W., Esq.

One Common Paradoxure (Paradoxurus typus, F. Cuv.). Wildash, F. J. C., Esq.

Ten Rain-Quails (Coturnix coromandelica, Gmel.). Wildash, Miss.

One Laughing Kingfisher (Dacelo gigantea, Lath.).

One Common Buzzard (Buteo vulgaris, Bechst.). Wyllie, W. M., Esq.

One Common Heron (Ardea cinerea, Linn.). Yeoman, E., Esq.

One Quebec Marmot (Arctomys empetra, Schreb.). Yeulett, H. B., Esq.

One Green Monkey (Cercopithecus callitrichus, Is. Geoff.).

Young, R. M., Esq.

One Black Kite(Milvus niger, Briss.).

#### Conclusion.

The Council cannot conclude their Report without recording their obligations to those Fellows of the Society who have so materially assisted them in the execution of their duties by acting on the several Committees of Audit, Finance, and Publication during the past year.

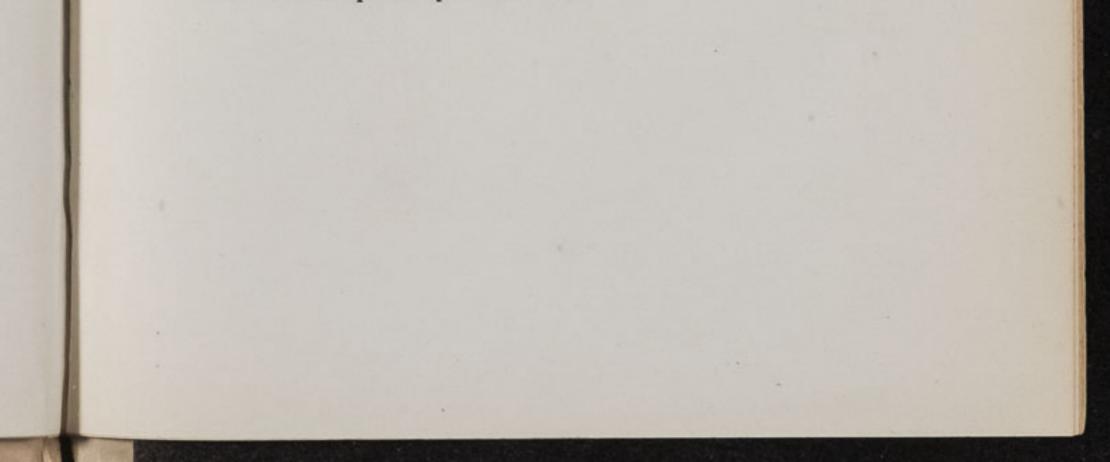
They believe that they may also safely congratulate the Fellows generally upon the present flourishing condition of every branch of the Society's operations.

The continued popularity of the Gardens as a place of public resort, the large yearly additions to the numbers of the Fellows, and the very favourable state of the Income enable them to do this with the utmost confidence as regards the year 1865; and, so far as the present year has advanced, there seems every probability that the Council will be able to report a no less prosperous state of affairs at the next Anniversary.

Signed for the Council,

P. L. SCLATER, Secretary.

11 Hanover Square, April 30th, 1866.



## REPORT

OF THE

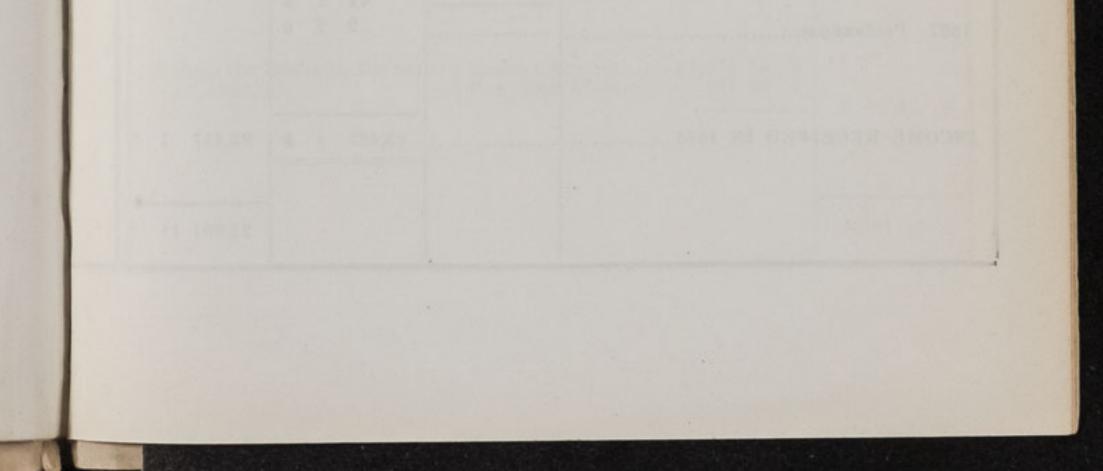
## AUDITORS OF THE ACCOUNTS

#### OF THE

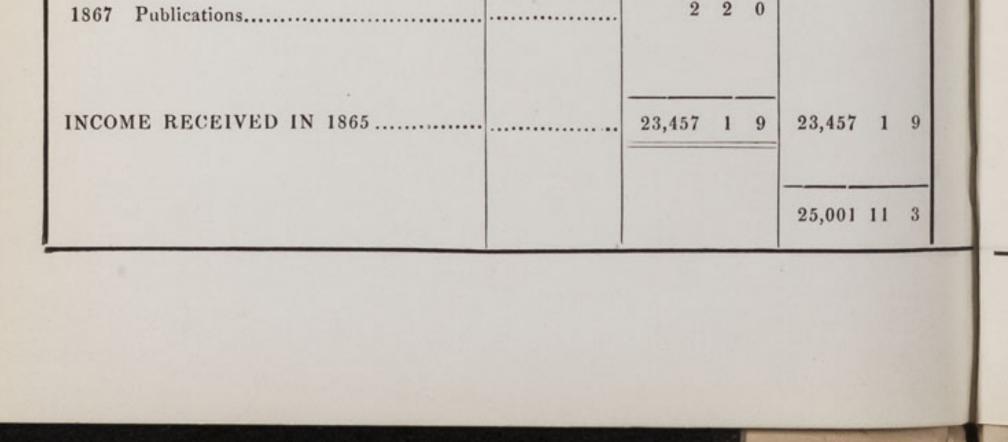
## ZOOLOGICAL SOCIETY OF LONDON,

Appointed January 18, 1866.

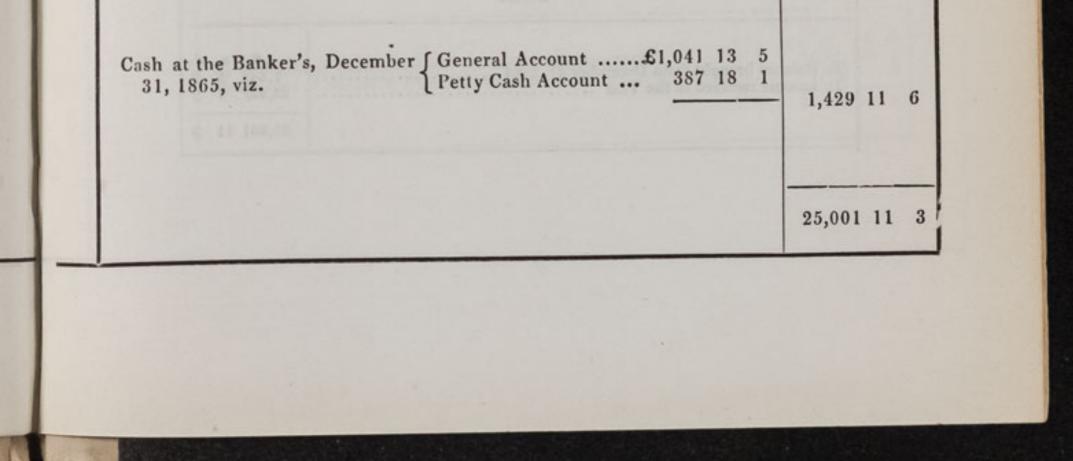
THE Auditors having fully examined the Accounts of the Society, inspected the Books, and seen Vouchers for all the various Payments ordered by the Council for the year ending December the 31st, 1865, respectfully submit to the Society an Abstract of such Accounts, together with a Statement of the Assets and Liabilities at the close of the year, and a Report thereon.



RECI	EIPTS	5.							
Balance brought from Dec. 31, 1864							£ 1,544	s. 9	<i>d</i> . 6
Belonging INCOME.									
to years		\$.	d.	£	8.	$\begin{pmatrix} d. \\ 0 \end{pmatrix}$			
1861 Annual Subscriptions			•••••	3	0	0			
1862 { Annual Subscriptions	3	0	0						
1862 Garden Sales	1		0						
			-	4	0	0			
Admission Fees	10	0	0						
Annual Subscriptions	12								
1863   Garden Sales	77	0 2	0	OTTO		1.1			
Transactions		14	0			100			
Proceedings		10	0						
				108	6	0			
Admission Fees	210	0	0						
Annual Subscriptions	and the second second		0				•		
Gardan Sales	213	1	3	11010		1.1			
1864 Ivory Tickets	2	2	0			100			
Transactions	12	1	6						
Proceedings	54	3	7						
				564	8	4			
Admissions to Gardens	12,889	0	0						
Garden Sales									
Rent for Refreshment Room	720		0						
Admission Fees			0						
Compositions			0	Read in			1. 2. 8		
Annual Subscriptions			0	a harden					
1865 Ivory Tickets Transactions	100 CO 100 S	6	9						
Proceedings		1000	2	10 61(0)					
Publications	10000	13	0	all's m					
Dividends		15	0						
Miscellaneous		11	0						
And the second second second second second				22,731	3	5			
1866 Annual Subscriptions	42	0	0						
1866 Publications	1000	2	0	1 3 3 C 1 1					
		- 12 - 12		44	2	0			
LOAR DIN	1			9	9	0			



PAYM	ENTS	3.							
. 50 1804 war 1805.	Garde	ens.			eral abt.		To	otal.	
EXPENDITURE.		-		£		1	£	S.	d.
elonging	£	s.	d.	£	8.	u.			
o years	212	3	8	55	17	9	268	1	5
1864 { Rent, Rates, and Taxes Bills	3,112			334		2	3,447	11	7
Paid on account of the previous year	3,324	17	1	390	15	11	3,715	13	0
	E 07	1.9	0	166	13	9	instancov.		
Rent, Rates, Taxes, &c.	537			1,249			Longon R.		
Salaries, Wages, and Pensions	1,738		9	1,240					
Cost of Animals Carriage of Animals and Keepers'									
Expenses	459	3	11				a separat		
Menagerie Expenses	1,594	16	0	1			A press.		
Keepers' Dresses	110		1 A A A A A A A A A A A A A A A A A A A	1.1.1.1.1.1.1.1			and sold and		
Provisions	3,956	15	4	a particular			T ALOTA		
New Buildings and Works con- nected	1,075	1	3						
Other Works, Repairs, and Mate- ]	2,752	12	6				all specific		
Garden Expenses	655	15	5						
Band Expenses	177	11	3						
Advertisements	151	8	0	1		31 3.4			
House and Office Expenses	99	1	5	28	0				
Stationery				4	3 13				
Printing (Miscellaneous)		•••••	••••	22	0				
Library Expenses			••••	2 200000	0 1	7 4			
Proceedings (including Printing)		•••••		0.5	5	8 7			
Transactions, do. do Returned Subscriptions					9	3 0			
Paid on account of the current year	16,085	17	2	3,770	9	7	19,856	6	
EXPENDITURE PAID IN 1865	19,410	14	3	4,161	5	6	23,571	19	



			Re	ceipts.						
		1	Inco	me of						
12,5 11 37 000	18	54.		180	65.		Increase.	Dec	reas	e.
Admission Fees :	£			£		d.	£ s. d.	£	8.	d.
Past Present Annual Subscriptions :	100 970	1		220 1,240	0 5	-	120 0 0 270 5 0			
Past Present	128 3,491			91 4,180	0 12	0	689 11 0	37	0	0
Future Compositions	30 1,350	0	0	42 2,430	0 0	0	$ \begin{array}{cccccccccccccccccccccccccccccccccccc$			•••
Admissions to Gardens.	86 12,703	14	0 6	109 12,889	70	0 0	$\begin{array}{cccccccccccccccccccccccccccccccccccc$			
Garden Sales Rent for Refreshment	1,163			703	5	9		460	4	11
Room Publications Dividends	720 578 335	0 8 11	0 11 3	720 537	0 6	000	••••••	41	2	11
Miscellaneous	22 35	000	6	293 0	15	0 0 		41 21 35	16 9 0	360
and the second				-						
					*.*			15.21		
	21,713			23,457	1	9	2,380 1 6	636		
Increase	1,743	-		23,457			636 13 7 1,743 7 11	Ded.	De	cr.
Total Pay	ments in	1 16	865				23.571 10 0	10 110		
Total Rec Payments						-	23,457 1 9 114 18 0			
Dr.			C	ash						-

Comparison of Receipts in 1864 and 1865.

To Balance brought from December 31, 1864 To Income received in the Year	£ 1,544 23,457		d. 6 9
	25,001	11	3

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		Pa	ym	ents.					
	Expenditure of			Income	Decrease.				
	1864.			1865,			Increase.	Decrease.	
Sealer States	£	8.	<i>d</i> .	£	8.	<i>d</i> .	£ s. d.	£ s. d.	
Arrears of previous years	4,621			3.715				906 3 3	
Rent, Rates, and Taxes	1,215			704				511 7	
Balaries, Wages, and Pen-	-,	-		and the second					
sions	3,754	4	10	4,027	2	0	272 17 2		
Cost of Animals	1,449			1,738		9	288 17 10		
Carriage of ditto and Keepers'									
Expenses	162	15	5	459	3	11			
rovisions	3,716	14	1	3,956					
Menagerie Expenses	1,503	13		1,594			91 2 2		
Keepers' Dresses	111	0	6	110	3	6		0 17	
New Buildings and Works								Law and the second	
connected	965	18	8	1,075	1	3	109 2 7		
Other Works, Materials, and			2			e	The Conservation of the second	1 005 0	
Repairs	3,848			2,752				1,095 9	
Garden Expenses	514			655			141 0 10		
Band Expenses	175			177			2 2 9 26 14 0		
Advertisements	124			151			69 7 7		
House and Office Expenses	309			379			09 / /	1 4	
Stationery	44			43			00 10 0		
Printing (Miscellaneous)	134	8	10	225	8	1	90 19 9		
Proceedings, including Print-	TOP		-	1 010	17		423 16 9		
ing	796			1,219			425 10 9		
Fransactions, ditto ditto	329			255					
Library Expenses	355								
Returned Subscriptions		3		9	3			744 15	
Cost of Expedition to India	744	10	4		• • • •			/11 10	
	24,889	3	4	23,571	19	9	2,052 11 2	3,369 14	
Decrease				1,317				2,052 11	
2 COLOMOTITI	24,889	3	4	24,889	-			1,317 3	
							1	1	
Ordinary Expenditure	17,207			18,721					
Extraordinary ditto	7,681	12	9	4,850	) 7	76	Ded. Incr.	2,831 5	
and the second second		-							
	24,889	) 3	3 4	23,571	19	9 9	And The Result Thread	1,317 3	

## Comparison of Payments in 1864 and 1865.

Contra

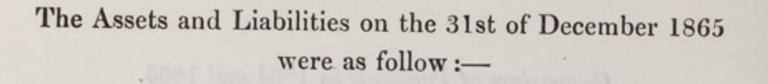
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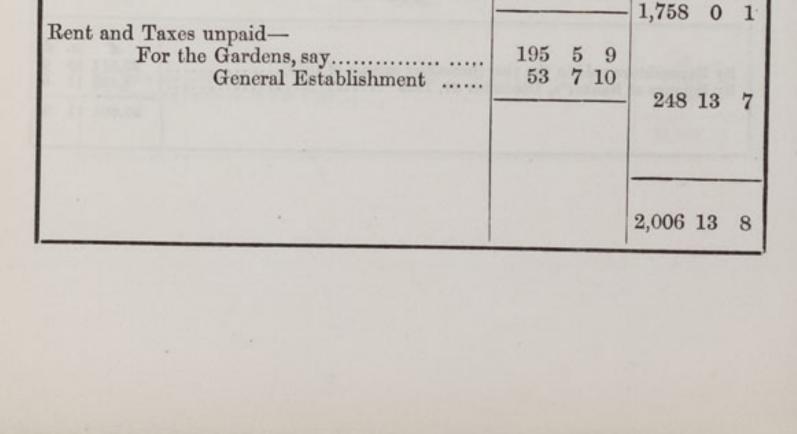
By Expenditure paid in the year (including arrears of 1864) By Balance at Banker's, December 31, 1865	23,571		d. 9 6
	25,001	11	3

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		ASSI	ETS.			
	Arre	ars of	Capital		Total.	
	Previous Years.	Current Year.	Funded.	Cash.		
Cash at Banker's Paid for £10,000 )	£ s. d.	£ s. d.	£ s.	d. £ s. d. 1429 11 6	£ s. d 1,429 11	
Reduced 3 per Cents			9356 2 1	0	9,356 2 1	
scriptions }		135 0 0			195 0 (	
Ivory Tickets Publications						
Garden Sales					$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	
	425 18 10	946 13 0	9356 2 1	0 1429 11 6	12,158 6 2	
	I	LIABIL	ITIES.	Anna Andreas Anna Anna Anna Anna Anna Anna Anna Anna		
		parte fe	2. m.a	Debt	·s.	
Bills, &c., estimated For the G			a contain	£ s. d.	£ s. d.	
	AND A DESCRIPTION OF A					



The Auditors beg leave to call attention to the greatly increased number of Compositions received in 1865, which may be deemed a fair test of public opinion as regards the stability and prospects of the Society. The only head under which any considerable decrease of Receipts is observable is that of Garden Sales, although there is likewise a trifling decrease in Past Subscriptions, Publications, Dividends, and Miscellaneous Receipts. On the other hand, Admission Fees, present and prospective Subscriptions and Compositions, together with the sums received for Ivory Tickets and admissions to the Gardens, are much larger than the corresponding amounts received in 1864; and the total receipts of 1865 exceed those of 1864 by £1743. A trifling decrease of Assets at the end of the year forms a strong contrast to the decrease of Liabilities at the same period, which amounted to £1708 19s. 4d. Under such circumstances, the Auditors congratulate the Fellows on the increased prosperity of the Society, even when compared with the very prosperous year which preceded it; and at the same time beg to express their perfect satisfaction and extreme gratification with the clear and accurate manner in which the accounts have been arranged and laid before them by Mr. Leigh.

> EDW. GREENAWAY. EDWARD JOHNSTONE. WILLIAM MARTYN. ROBER'T LOW. JAMES TENNANT. WILFRED H. SIMPSON. OSBERT SALVIN.

11 Hanover Square, February 27, 1866.

