

REPORT
OF THE
COUNCIL
OF THE
ZOOLOGICAL SOCIETY
OF LONDON,

READ AT THE ANNUAL GENERAL MEETING,

APRIL 29TH, 1865.

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1865.

REPORT OF THE COUNCIL.

April 29, 1865.

IN accordance with the provisions of the Royal Charter granted to the Society in the year 1829, the Council have now the pleasure of submitting to the approbation of the Fellows assembled in their thirty-sixth Anniversary Meeting the customary Report upon the progress of the Society during the past year.

This, in conformity with former precedents, 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 ESTABLISHMENT.

1. ORDINARY MEMBERS, FELLOWS, AND ANNUAL SUBSCRIBERS.

The number of Fellows, Fellows Elect, and Annual Subscribers at the present time amounts to 1955. Of these there are—

Compounders, who have paid £20	181
Ditto ditto £30	406
Paying annual contributions of £2	217
Ditto ditto £3	984
Dormant	43
Admission-fees unpaid	51
Ditto remitted	14
Annual Subscribers, paying £3	59

1955

The number of Fellows elected since the last Anniversary has been 256 ; of Annual Subscribers 12 ; and eight

Fellows have been re-admitted under the provisions of the By-laws, making a total addition of 276 Members since the Anniversary in 1864.

The present state of the roll of the Society being compared with that of last year, the following results are obtained.

	April 29th, 1864.	April 29th, 1865.	Increase.
Number of Fellows	1673	1845	172
„ Fellows Elect	27	51	24
„ Annual Subscribers	54	59	5
	1754	1955	201

If upon the last Anniversary the increase in the number of Members was a subject of congratulation to the Society, much more so must this be the case on the present occasion, when, as will be seen by the comparative Table just given, such a marked addition has been made to the list. During the year 1864 no less than 264 new Fellows and Annual Subscribers were elected—a greater number than have joined the Society in any single year for the last twenty-eight years.

The number of Deaths since the last Anniversary has been 42; the number of Resignations has been 13; and 20 Members have been removed from the roll under the By-Laws for non-payment of their debts due to the Society.

The present number of candidates for admission is 40, making a total of 117 additions to the list of Fellows since the 1st of January of the present year.

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

Dr. John Squire, 16th Native Infantry, Dinapore.

Charles Franks, Esq., Colonial Treasurer, British Columbia.

George Ure Skinner, Esq., Newland, Great Malvern.

Dr. John Kirk, 45 George's Square, Edinburgh.

Reginald Russell, Esq., H.M. Diplomatic Service.

Capt. George E. Bulger, Cape Colony.

The Baron de Castello de Paiva, Oporto.

Rev. Henry Baker, Cottayam, Madras.

Lieut. R. C. Beavan, Bengal Rev. Survey Department.
 Dr. Gustav Jaeger, Director of the Zoological Gardens,
 Vienna.

Professor George J. Allman, University of Edinburgh.
 Robert B. N. Walker, Esq., H.B.M. Consul in Liberia.
 Charles Ruck Keene, Esq., Swyncombe, Marlborough,
 New Zealand.

Dr. H. Dohrn, Stettin.

M. Adolphe Boucard, Paris.

George S. Brady, Bishopswearmouth.

Dr. E. Carl von Martens, Berlin.

2. FOREIGN AND CORRESPONDING MEMBERS.

Two vacancies having occurred in the list of Foreign Members since the last Anniversary, the Council selected and recommended to the Society the names of the distinguished Foreign Naturalists Professor W. Lilljeborg of the University of Upsala, and Professor P. J. Van Beneden of the University of Louvain, to make up the full number of this class of Members authorized by the By-Laws of the Society. The selection of the Council was confirmed, and these gentlemen were duly elected Foreign Members of the Society at the General Meeting in January last.

3. INCOME.

The Council have again the pleasure of reporting a considerable increase in the Income of the Society. The Income of the year 1863, as was stated at the last Anniversary, amounted to £20,284 12s. 11*d.*, a sum unexampled, except in the two Exhibition years; but the income of the past year has exceeded that sum by £1429, the total receipts for 1864 having amounted to £21,713 13s. 10*d.* As will be seen by the subjoined Table, this increase is due to the augmentation of nearly all the principal sources of receipt, amongst which that of admissions to the Gardens and Annual Subscriptions (resulting from the increased number of Members) are the most noticeable.

	Income of						Increase.	Decrease.	
	1863.			1864.					
	£	s.	d.	£	s.	d.	£	s.	d.
Admission Fees									
Past	85	0	0	100	0	0	15	0	0
Present	620	0	0	970	0	0	350	0	0
Annual Subscriptions:—									
Past	159	0	0	128	0	0		31	0
Present	3,021	12	0	3,491	1	0	469	9	0
Future	41	0	0	30	0	0		11	0
Compositions	1,200	0	0	1,350	0	0	150	0	0
Ivory Tickets	54	2	0	86	14	0	32	12	0
Admissions to Gardens	11,781	0	6	12,703	7	6	922	7	0
Garden Sales	1,423	11	6	1,163	10	8		260	0
Rent for Refreshment									
Room	732	13	4	720	0	0		12	13
Publications	712	11	1	578	8	11		134	2
Dividends	420	11	3	335	11	3		85	0
Legacy				35	0	0	35	0	0
Miscellaneous	33	11	3	22	0	6		11	10
	20,284	12	11	21,713	13	10	1,974	8	0
Increase ...	1,429	0	11				545	7	1
	21,713	13	10	21,713	13	10	1,429	0	11
									Ded. Decr.

The average Income of the three ordinary years preceding the Exhibition year of 1862 was rather more than £16,000; so that, if the present state of the Society's prosperity shall continue, of which, judging from the progress of affairs up to this date, there seems every prospect, it may be stated in broad terms, that an amelioration of the Society's income to the extent of at least £5000 a year has taken place during the last three years.

It is also gratifying to the Council to have to record the yearly increasing popularity of the Society's Gardens amongst that class of visitors who resort to them on the national holidays. On the 16th of May last year, being Whit Monday, the number of entrances to the Gardens between 9 o'clock A.M. and the closing of the gates at sunset was no less than 31,136. Of these 31,011 paid sixpence apiece for admission, producing a receipt of £775 5s. 6d., being the largest sum ever taken at the gates in one day since the opening of the Gardens to the public.

But the inspection of the subjoined Table will show that

it is not only this class of visitors that has resorted in increased numbers to the Society's Gardens during the year 1864. There has, in fact, been an augmentation of numbers under every head into which the returns of admission to the Gardens are divided. Altogether the increase of entrances has amounted to 38,469 over the preceding year, raising the grand total of visitors to 507,169, and placing the year 1864 as exhibiting a more favourable aspect in this point of view than any of the preceding years except the two Exhibition years.

Visitors to the Gardens.

	1863.	1864.	Increase.	
Fellows and Friends	84,466	96,066	11,600	
Paying {	On ordinary days at 1s. each	100,327	112,783	12,456
	On Mondays and other days at 6d. each	244,464	255,281	10,817
	Children under 12 years at 6d. each	26,123	27,288	1,165
Charity Children and others having free admission	13,320	15,751	2,431	
	468,700	507,169	38,469	

The total income of the Society received in the year 1864 was, as has been already stated, £21,713 13s. 10d. To this must be added the sum of £2043 10s. 6d., being the balance carried forward from the previous year, and the sum of £2677 10s., being the proceeds arising from the sale of £3000 Reduced 3 per Cents, making the total sum of £26,434 14s. 4d. available for the expenditure of the year 1864.

4. EXPENDITURE.

The ordinary Expenditure of the Society paid during the year 1864, under which head is placed every item necessary to keep the Society's establishment in a perfect state of efficiency, was £17,207 10s. 7d. The Extraordinary Expenditure paid during the same period amounted to £7681 12s. 9d., making a total Expenditure of £24,889 3s. 4d., and leaving a balance in the banker's hands at the end of the year of £1544 9s. 6d.

But these sums include the arrears of the year 1863, and

exclude the liabilities of the Society left unpaid on the 31st of December, 1864. When the sum of £4621 16s. 2d., being the first of these amounts, is deducted, and that of £3434 13s. 7d. (being the amount of liabilities at the close of the year) is added, it will be found that the Society's total expenditure for the year 1864 was only £23,702 0s. 9d. Of this the sum of £17,097 14s. 10d. was required to meet the ordinary expenses of the year, and the remaining sum of £6604 5s. 11d. belongs strictly to the extraordinary expenditure, and is divisible into four heads, as shown in the subjoined Table.

1. *New Buildings and Works.*

New Monkey House, New Lodges, and New Aviary, and Works connected therewith (Balance)	£	s.	d.	
	3,578	0	0	
Additions to Refreshment Rooms	67	11	2	
New Pheasant Sheds, and Works connected therewith	124	2	10	
New Platform at Lion's Den, and New Paving adjoining the same	509	8	6	
New Giraffe Yard Fence	160	3	9	
New Basin, and Walks, Ponds and Fences adjoining thereto	460	8	1	
New Stall in Wapiti House	41	0	0	
New Tank in Fish House	8	6	0	
New Breeding Aviary for Turkeys	10	0	0	
New Cages in Small Mammal House	4	7	6	
New Boiler in Engine House	119	2	1	
New Urinal	28	6	2	
Cleaning out Three-Island Pond	37	10	0	
Salary to Clerk of the Works	108	3	6	
Furniture and Fittings in Ladies' Room	22	7	6	
	<hr/>			5,278 17 1

2. *Menagerie.*

Cost of Expedition to India	744	15	4	
List of Indian Pheasants	12	0	0	
	<hr/>			756 15 4

3. *Office.*

New Drain at No. 11 Hanover Square ..	27	2	4	
Premium and Expenses for New Lease ..	521	19	2	
New Bookcase in Library	19	12	0	
	<hr/>			568 13 6
	<hr/>			£6,604 5 11

5. RESERVE FUND.

On the 31st of December, 1863, the Society's Reserve Fund invested in 3 per Cents Reduced, amounted, as was stated in the last Annual Report, to £13,000. During the year 1864 £3000, part of this sum, was sold out to assist in meeting the extraordinary expenditure of the year, thus leaving the sum of £10,000 3 per Cents as the amount of the Society's invested fund. While the Council have no intention of diminishing this Reserve fund, they do not think it necessary or even desirable to increase it beyond its present amount. A few years ago it was considered desirable that the Society's Reserve fund should be raised to the sum of £5000. The unexampled prosperity of the few last years has enabled the Council to lay by double this sum, without at the same time deviating from their principle of making every year some new and important additions to the permanent buildings in the Society's Gardens.

There can be no doubt that the money thus spent, while it has largely added to the completeness and efficiency of the Society's establishment in the Regent's Park, has likewise borne good fruit in materially influencing the remarkable increase in the Garden receipts that has taken place.

6. ASSETS AND LIABILITIES.

The Cash Assets of the Society on the 31st of December 1864 amounted, as has been already stated, to—

	£	s.	d.
Cash at the Banker's	1,544	9	6
Cost of £10,000 Reduced 3 per Cents	9,356	2	10
	<u>10,900</u>	12	4

The sums due to the Society for arrears on the 31st of December 1864 were estimated as follows:—

	£	s.	d.
Annual Subscriptions	344	0	0
Ivory Tickets	22	1	0
Publications	176	8	0
Garden Sales	863	8	9
	<u>1405</u>	17	9

Making a Total Balance in favour of the Society of £12,306 10 1

without taking into account the value of the Society's collection of living animals, which cannot be estimated at less than £26,000.

The Liabilities at the same period were esti-

mated at 3,434 13 7

Leaving a Balance in favour of the Society of £8,871 16 6

II. OFFICE, 11 HANOVER SQUARE.

1. PUBLICATIONS.

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 1864 has been somewhat delayed by the unusual length to which several of the papers communicated during the autumn session of last year extended. It is now, however, ready for delivery, and renders the volume for that year complete.

The fourth part of the fifth volume of the Society's Transactions, which has likewise been recently issued, contains the following papers:—

“Contributions to the Natural History of the Anthropoid Apes. No. VIII. On the External Characters of the Gorilla (*Troglodytes gorilla*, Sav.)” By Professor Owen, F.R.S., F.Z.S., &c.

“On the Placental Structures of the Tenrec (*Centetes ecaudatus*), and those of certain other Mammalia; with Remarks on the Value of the Placental System of Classification.” By Professor Rolleston, F.R.S., F.Z.S., &c.

“Description of the Skeleton of the Great Auk, or Gare Fowl (*Alca impennis*, L.)” By Professor Owen, F.R.S., F.Z.S., &c.

With the fifth part of this volume, which is now in the press, the Council, in conformity with the recommendation of the Committee of Publication, propose to complete the fifth volume of the Society's Transactions, proposing to introduce several slight alterations and modifications in the form of the type in a new volume, without in any way interrupting the continuity of the series.

2. LIBRARY.

The sum of £403 8s., devoted to expenses connected with the Society's Library during the past year, was

chiefly incurred in adding new and important Zoological works to the series, in binding, in new book-cases, and in printing a Supplement to the Catalogue, which, together with the Catalogue itself, is now ready for delivery to any Fellow who may wish to possess a copy.

The sum of £104 6s. was spent in increasing the beautiful series of water-colour drawings by Mr. Wolf, of the finest and rarest specimens in the Society's Menagerie. This series, which was commenced in 1851, now amounts to upwards of 100 in number. Feeling that their interest, both as works of art, and as giving accurate outlines of the living form of many rare animals, renders it desirable that they should be more easily accessible than they are as at present placed in portfolios in the Society's Library, the Council have resolved on fitting up the upper portion of the Old Museum Building as a gallery for their exhibition during the summer months of the present year. They have little doubt that the merits of these 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.

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 Tyneside Naturalists' Field-club.
- 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 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 Plymouth Institution and Devon and Cornwall
 Natural History Society.

IRELAND.

- The Royal Dublin Society.
 The Geological Society of Dublin.
 The Royal Irish Academy.

EAST INDIES.

- The Royal Asiatic Society of Bengal.
 The Royal Union of Natural History of the Netherland
 Indies, Batavia.

AUSTRALIA.

- The Acclimatization Society of Victoria.
 The Royal Society of Tasmania.
 The Entomological Society of New South Wales.

AMERICA.

- The American Philosophical Society, Philadelphia.
 The Franklin Institute, Philadelphia.
 The Smithsonian Institution, Washington.
 The American Academy of Arts and Sciences.
 The Lyceum of Natural History, New York.
 The Natural History Society of Boston.
 The Academy of Natural Sciences, Philadelphia.
 The Museum of Comparative Zoology, Boston.
 The Boston Society of Natural History.
 The Academy of Science of St. Louis.

FRANCE.

- The Imperial Zoological Society of Acclimatation, Paris.
 The Linnean Society of Normandy.

RUSSIA.

- The Imperial Academy of Sciences of St. Petersburg.
 The Imperial Society of Naturalists of Moscow.

SCANDINAVIA.

- The Royal Swedish Academy of Sciences of Stockholm.
 The Royal Danish Society of Sciences, Copenhagen.
 The Royal Norwegian University, Christiania.

SWITZERLAND.

- The Physical and Natural History Society of Geneva.
 The Natural History Society of Basel.
 The Natural History Society of Zurich.
 The Society of Natural Sciences, Neuchâtel.

BELGIUM.

- The Academy Royal of Belgium.
 The Royal Society of Sciences, Liège.

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 Zoological Society of Frankfort-on-the-Main.
 The Imperial Academy of Sciences, Vienna.
 The Imperial Geological Institution of Vienna.
 The Zoological and 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 Dr. F. H. Troschel; The Editor of the Pharmaceutical Journal; M. Crosse; James D. Dana, Esq.; Dr. John Dean; M. F. J. Pictet; M. Eugène Eudes-Deslongchamps; M. J. W. Weidemeyer; B. H. Hodgson, Esq.; G. B. Sowerby, Esq.; M. Ad. Quetelet; John Hogg, Esq.; The Editor of the Geological Magazine; F. Day, Esq.; G. B. Halford, Esq.; M. Friedrich Brauer; B. Quaritch, Esq., F.Z.S.; Dr. J. C. Cox; Messrs. McLean and Haes; P. Martin Duncan, Esq.; Dr. Moriz Hörnes; M. Alphonse Milne-Edwards and the Editors of The Intellectual Observer and The Athenæum.

III. GARDENS, REGENT'S PARK.

1. BUILDINGS AND WORKS.

The New Entrance Lodges, Aviary, and Monkey House, concerning which full details and explanations were offered to the Society in the last Annual Report, were all completed and brought into perfect order during the course of last year. It will be seen by reference to the items of extraordinary expenditure, that the sum of £3578 was altogether required to meet the balance of the expenditure incurred on these buildings, and on the several works connected with them, during the year 1864. As regards the two former of these, the new Lodges and the new Aviary, which were fully completed at the time of the last Anniversary, the Council have no further remarks to add to those already addressed to the Society on this subject, except that they have every reason to be satisfied with each of them. But as regards the new Monkey House, which was only brought into full working order during the latter part of last summer, the Council cannot refrain from congratulating the Society upon the very important amelioration that has been thus effected in what was heretofore one of the most defective parts of

their Garden establishment. The Council believe that the public voice, as well as that of the Members of the Society, has been nearly unanimous in favour of the present building, which, judging from the number of visitors that have resorted to it all through the winter, seems to be now one of the most attractive in the Gardens. As regards the health and welfare of the animals to the use of which it is devoted, there can be no question that it has likewise proved an entire success. In striking contrast to the constant mortality that prevailed in the old Monkey House, the deaths among the *Quadrumana* during the late long and severe winter have been very few, and the greater number of them have remained in an excellent state of health. Specimens of the Orang and Chimpanzee, which, in spite of numerous trials, it has hitherto been found impossible to preserve alive for more than a few months, have been kept in good health and condition in the new House in spite of the trying weather, besides several of the more delicate species of American *Quadrumana*, which the Society has heretofore never succeeded in keeping long in captivity. The total cost of the erection of the new Monkey House, as contracted for by Messrs. Lucas, was £3131. The extras amounted to £251 18s. 3d., raising the total sum payable to Messrs. Lucas for the building to the amount of £3382 18s. 3d.

The internal fittings of the new Monkey House, the warming-apparatus, the drain, the new paths and fencing, and the alteration of the whole level of the ground, together with the entire rearrangement of the adjacent walks and enclosures rendered necessary by the erection of the new building in order to bring it into harmony with the adjoining buildings, required the further sum of £1459 7s. 3d. This sum has, however, as the Council believe, been well expended in converting the western corner of the South Gardens into one of the best-arranged and most attractive portions of the Society's Grounds.

The only other important items upon which extraordinary expenditure was incurred, as regards the Society's establishment in the Regent's Park, during the past year, were the large new basin opposite the Antelope House, which, together with the new paths it necessitated, and the consequent alterations in the surrounding enclosures, cost a total sum of £460 8s. 1d.; and the new platform

opposite the Carnivora Dens, which, together with the paving of the space between it and the front of the dens, and other minor works connected with it, cost a total sum of £509 8s. 6d. As regards the former of these works, although the efforts of the Council to add a member of the class Cetacea to the Society's collection have not yet proved successful, there seems no reason to disbelieve that this desirable object may be hereafter accomplished. A specimen of the White Whale of the St. Lawrence, in the Aquarial Gardens at Boston, U. S. A., lived for a period of two years in excellent health in a water-tank in that establishment. A Porpoise, which was acquired for the Society on the 29th of December of last year, lived twenty-seven days in the Gardens, feeding well, and was only lost through the accident of a severe frost coming on somewhat unexpectedly. The Council have therefore little fear but they will be ultimately able to surmount the difficulties that have hitherto been encountered in accomplishing this object, and they intend to continue their efforts for this purpose. They may also remark that these attempts have already been productive of some benefit to science, as having afforded means for the more accurate examination of the structure of these little-known animals, and as having supplied the National Collection with a specimen of a hitherto unknown Cetacean, one of the specimens obtained for the Society's collection having been determined by Dr. Gray as belonging to a new species of the genus *Phocæna*—the more interesting from its having been obtained in the British seas.

The restoration of the platform opposite the Carnivora Dens was rendered necessary by the bad state of repair of the previous structure, and its inadequacy to accommodate the great crowds that now seek to witness the feeding of the Lions and Tigers. At the same time, looking to the extraordinary amount of traffic along the narrow space between the platform and the front of the dens, it was thought desirable to pave this with the best paving-flags in a solid and durable manner, so that the necessity of constant repairs to the gravel-path, which formerly occupied the space, might be avoided.

Although these were the principal works to which the Council's attention was directed during the past year, various other minor improvements were at the same time

carried out in the Society's establishment—such as the removal of the old wooden fence opposite the Giraffe Yard, and the replacement of it by an iron fence, the erection of a new set of pheasant-sheds, and the replacing of the boiler in the engine-house by a new one of greater dimensions, and capable of generating a larger amount of steam. These minor improvements, which, together with the expenses attendant upon them, are all particularized in the list of items of extraordinary expenditure incurred during the past year, cost altogether the sum of £731 0s.6d., and make up the total sum of £5278 17s. 1d., devoted to the permanent improvement of the Society's Garden Establishment during the year.

2. MENAGERIE.

The most important event connected with the Society's Menagerie that has occurred since the last Anniversary has been the successful result of Mr. Thompson's mission to India. The circumstances which induced the Council to undertake this expedition have already been detailed in the last Report, but it may be convenient to recall them to the recollection of the Meeting.

Several of the Society's Corresponding Members in India—amongst whom may be particularly mentioned Mr. A. Grote, the Babu Rajendra Mullick of Calcutta, and Mr. W. Dunn of Akyab—having announced that they had collections waiting for transmission to the Society, amongst which were a pair of young Rhinoceroses, and other valuable animals, the Council determined on sending out to Calcutta, to receive and bring back those proffered donations, Mr. James Thompson, the Society's Head Keeper, who had previously made the same journey with such signal success on the occasion of the introduction of the Himalayan Pheasants in 1858. They also gladly embraced the opportunity of sending out to the Babu Rajendra Mullick a selection of living animals likely to be acceptable to that gentleman, as some return for the many valuable donations that he has from time to time made to the Society's Menagerie. At the last Anniversary, the Council had the pleasure of announcing that Mr. Thompson, who had left England in the 'Hydaspes,' on the 28th of November, 1863, had reached Calcutta with the loss of only one individual of the collection under his charge,

and had safely delivered the others at their destination. Mr. Thompson left Calcutta on his return voyage in the 'Hydaspes' on the 5th of April, and arrived in the Thames on the 28th of July, bringing with him the following fine series of animals, which had been brought together for the Society at Calcutta by the exertions of their Corresponding Members, the Babu Rajendra Mullick of Calcutta, Mr. A. Grote of Alipore, Dr. John Squire, and Mr. Wm. Dunn of Akyab:—

- 2 Rhinoceroses (*Rhinoceros indicus*).
- 2 Black Cuckoos (*Eudynamys orientalis*).
- 2 Rose-coloured Pastors (*Pastor roseus*).
- 1 Rhinoceros Hornbill (*Buceros rhinoceros*).
- 2 Concave Hornbills (*Buceros cavatus*).
- 3 Green-necked Peafowl (*Pavo spicifer*).
- 3 Lineated Pheasants (*Euplocamus lineatus*).
- 2 Rufous-tailed Pheasants (*Euplocamus erythrophthalmus*).
- 1 Peacock Pheasant (*Polyplectron chinquis*).
- 2 Indian Tantali (*Tantalus leucocephalus*).
- 2 Indian Jabirus (*Mycteria australis*).
- 2 Saras Cranes (*Grus antigone*).
- 2 Land Tortoises (*Testudo indica*).

Very few losses were experienced by Mr. Thompson during his voyage, the only noticeable occurrence under this head having been the Polyplectrons, which appear to have been in a diseased state when shipped, and mostly died before the vessel reached Madras. The total cost of Mr. Thompson's expedition amounted to £808 18s. 6d., whilst the lowest estimate that can be put upon the value of the collection thus acquired amounts to £1516. Under these circumstances, the Council thought it only due to this deserving officer of the Society to award him a gratuity of £50 for his services, together with their special thanks for his conduct during the expedition.

It may be remarked that some of the additions thus made to the Society's collection, such as the Hornbills and the Lineated Pheasants (for the latter of which the Society is indebted to their Corresponding Member, Dr. J. Squire), were not only novelties to the collection, but such specimens as the Council could have hardly hoped to acquire in any other way.

The following Table exhibits a comparison of the number of the specimens of the three first classes of vertebrated animals exhibited in the Society's collection on the 31st of December last, as compared with the corresponding numbers exhibited on the 31st of December of the present year, by which it appears that the total number has been considerably increased.

	December 31.		Comparison.
	1863.	1864.	
Quadrupeds	567	498	Decr. 69
Birds	1063	1255	Incr. 192
Reptiles	100	105	Incr. 5
	1730	1858	Incr. 128

The List of Animals exhibited for the first time during the year 1864 is as follows:—

MAMMALS.

1. The Thick-tailed Galago (*Galago crassicaudata*).
2. The Grizzled Spider-Monkey (*Ateles* —? —).
3. The Chilian Skunk (*Mephitis chilensis*).
4. The Patagonian Cavy (*Dolichotis patachonica*).
5. The Orange-quilled Porcupine (*Hystrix malabarica*).
6. The Saiga Antelope (*Saiga tatarica*).
7. The Abyssinian Wild Ass (*Equus tæniopus*).
8. The Kuhl's Deer (*Cervus kuhlii*).

BIRDS.

1. The Rufous-necked Falcon (*Hypotriorchis rufigularis*).
2. The Golden-winged Woodpecker (*Colaptes auratus*).
3. The Guira Cuckoo (*Guira piririgua*).
4. The Rhinoceros Hornbill (*Buceros rhinoceros*).
5. The Blue Creeper (*Cæreba cyanea*).
6. The Blue-bearded Jay (*Cynocorax cyanopogon*).
7. The Yellow-rumped Icterus (*Icterus persicus*).
8. The Algerian Chaffinch (*Fringilla spodiogenia*).
9. The Double-crested Fruit-Pigeon (*Lopholæmus antarcticus*).
10. The Didunculus (*Didunculus strigirostris*).

11. The Indian Sand-Grouse (*Pterocles arenarius*).
12. The Double-banded Sand-Grouse (*Pterocles bincinctus*).
13. The Sœmmering's Pheasant (*Phasianus sœmmeringii*).
14. The Lineated Pheasant (*Euplocamus lineatus*).
15. Temminck's Tragopan (*Cerionis temminckii*).
16. The Wood-Francolin (*Francolinus gularis*).
17. The Rufous Francolin (*Galloperdix spadicea*).
18. The Madagascar Francolin (*Francolinus madagascariensis*).
19. The Cocoli Heron (*Ardea cocoi*).
20. The Indian Tantalus (*Tantalus leucocephalus*).
21. The Maned Goose (*Bernicla jubata*).
22. The South American Teal (*Anas ipecutiri*).
23. The Australian Pelican (*Pelecanus conspicillatus*).

REPTILES.

1. Cunningham's Skink (*Egernia cunninghami*).
2. The Axolotl (*Siredon mexicanus*).

FISHES.

1. The Burbot (*Lota vulgaris*).
2. The Sly Silurus (*Silurus glanis*).

Amongst these, particular notice should be directed to the following remarkable animals:—

The Orange-quilled Porcupine (*Hystrix malabarica*) is a new and very interesting addition to this group of animals, as, before the arrival of the specimens in the Society's Menagerie (for which the Society are indebted to their Corresponding Member, H. E. Sir William Denison, Governor of Madras), the species was unknown in Europe, and not even represented in the British Museum.

The *Didunculus strigirostris*, or Tooth-billed Pigeon of the Samoan Islands, in the Pacific, is perhaps the rarest specimen ever exhibited alive in the Society's Menagerie, having been supposed, until recently, to be quite extinct. For this very curious bird, which is of such great interest as being supposed to be the nearest living ally of the Dodo, the Society are indebted to their indefatigable correspondent Dr. George Bennett, of Sydney, who has made so

many valuable donations to the Menagerie. Unfortunately the *Didunculus* did not live many months in the Society's Gardens, but, having passed since its death into the collection of the British Museum, has served to fill an important vacuum in the National Collection of Zoology.

The following is a

LIST OF SPECIES WHICH HAVE BRED IN THE GARDENS OF THE ZOOLOGICAL SOCIETY BETWEEN THE 1ST OF JANUARY 1864 AND THE 1ST OF JANUARY 1865.

MAMMALS.

1. Rhesus Monkey (*Macacus rhesus*).
2. Common Jackals (*Canis aureus*).
3. Lions (*Felis leo*).
4. Tigers (*Felis tigris*).
5. Jaguar (*Felis onça*).
6. Wapiti Deer (*Cervus canadensis*).
7. Japanese Deer (*Cervus sika*).
8. Barasinga Deer (*Cervus duvaucelli*).
9. Molucca Deer (*Cervus moluccensis*).
10. Axis Deer (*Cervus axis*).
11. Mexican Deer (*Cervus mexicanus*).
12. Hybrids between the Markhoor (*Capra megaceros*) and the Common Goat.
13. Chamoix (*Rupicapra tragus*).
14. Nylghai (*Portax picta*).
15. Leucoryx (*Orax leucoryx*).
16. Eland (*Oreas canna*).
17. Yak (*Bos grunniens*).
18. Collared Peccary (*Dicotyles tajaçu*).
19. Burchell's Zebra (*Asinus Burchelli*).
20. Golden Agouti (*Dasyprocta aguti*).
21. Beaver (*Castor canadensis*).
22. Gray's Kangaroo Rat (*Bettongia grayi*).

BIRDS.

1. Black Kite (*Milvus niger*).
2. Pied Wagtail (*Motacilla yarrellii*).
3. Rufous-necked Weaver-bird (*Hyphantornis textor*).
4. Indian Turtledove (*Turtur risorius*).
5. Dwarf Turtledove (*Turtur humilis*).

6. Cambayan Turtledove (*Turtur senegalensis*).
7. Red Ground-Dove (*Geotrygon montana*).
8. Bartlett's Pigeon (*Phlogœnas bartlettii*).
9. Horned Pheasant (*Ceriornis satyra*).
10. Impeyan Pheasant (*Lophophorus impeyanus*).
11. Mooruk (*Casuaricus bennettii*).
12. Black Swan (*Cygnus atratus*).
13. Upland Goose (*Chloëphaga magellanica*).
14. Ashy-headed Goose (*Chloëphaga poliocephala*).
15. Ruddy-headed Goose (*Chloëphaga rubidiceps*).
16. Ruddy Sheldrake (*Casarca rutila*).
17. Summer Duck (*Aix sponsa*).
18. Bahama Duck (*Pœcilonetta bahamensis*).
19. Dusky Duck (*Anas obscura*).
20. Herring-Gull (*Larus argentatus*).

REPTILES.

1. Water-Viper (*Cenchris piscivorus*).

FISHES.

1. Salmon (*Salmo salar*).
2. River Trout (*Salmo fario*).
3. Great Lake Trout (*Salmo ferox*).

The following is an alphabetically arranged List of Donors and of their several Donations to the Menagerie during the year 1864.

Abbott, Capt.

One Globose Curassow (*Crax globicera*), three Yellow Snakes (*Chilobothrus inornatus*), two Antillean Snakes (*Dromicus antillensis*), one Dorsal Lizard (*Ameiva dorsalis*).

Acclimatization Society of Melbourne.

Two Weka Rails (*Ocydromus australis*), three Lizards.

Acclimatization Society of Queensland.

One Boobook Owl (*Athene boobook*).

Acclimatization Society of Victoria.

Two Australian Cranes (*Grus australasiana*), two Australian Pelicans (*Pelecanus conspicillatus*), two Emus (*Dromæus novæ-hollandiæ*), one Diamond-Snake (*Morelia spilotes*), two Great Cyclodus Lizards (*Cyclodus gigas*).

- Acclimatization Society of Sydney.
 One Double-crested Pigeon (*Lopholæmus antarcticus*).
- Addison, Col. One Sooty Monkey (*Cercopithecus fuliginosus*).
- Aldersey, T., Esq. One Common Genet (*Genetta vulgaris*).
- Arcedeckne, A., Esq. F.Z.S.
 Twelve Common Oysters (*Ostrea edulis*), two Lobsters (*Homarus vulgaris*), two Smelts (*Osmerus eperlanus*).
- Asham, Comm. C. A., R.N.
 One Negro Tamarind Monkey (*Hapale ursulus*).
- Ashley, E. E., Esq.
 One Vulpine Phalanger (*Phalangista vulpina*).
- Ashurst, H. G., Esq. Two Emus (*Dromæus novæ-hollandiæ*).
- Austin, G. N. L., Esq.
 One Common Mole (*Talpa europæa*), one Common Kestrel (*Tinnunculus alaudarius*).
- Baker, Mrs. Two Green Lizards (*Lacerta viridis*).
- Baynes, Lord. One Pine-Marten (*Mustela martes*).
- Beddome, Mrs. R. B.
 One Macaque Monkey (*Macacus cynomolgus*).
- Bennett, Geo., M.D., F.Z.S.
 One Toothbilled Pigeon (*Didunculus strigirostris*).
- Blake, E., Esq. One Common Jackal (*Canis aureus*).
- Boare, W. H., Esq.
 One American Thrush (*Turdus migratorius*).
- Branzeler, A., Esq. One Common Cuckoo (*Cuculus canorus*).
- Brayley, Capt. Lewis.
 One Pair of Péron's Deer (*Cervus peronii*).
- Brenner, A., Esq. Two Young Rheas (*Rhea americana*).
- Broadwood, J. J., Esq. One Gannet (*Sula bassana*).
- Brodie, A. Oswald, Esq.
 One Indian Porcupine (*Hystrix leucura*).
- Buckland, F. T., Esq.
 One Common Adder (*Pelias berus*), one Salmon (*Salmo salar*).
- Bushe, —, Esq. One Vervet Monkey (*Cercopithecus lalandii*).
- Callander, Mrs. Randal.
 One Fallow Deer (*Cervus dama*) from the Island of Rhodes.
- Candall, Lieut. C. S., R.N.
 One Capuchin Monkey (*Cebus apella*), one Squirrel Monkey (*Callithrix sciureus*).
- Chapman, Spencer, Esq.
 One Banded Ichneumon (*Herpestes fasciatus*).

- Clark, Mrs. One Green Lizard (*Lacerta viridis*).
- Cooper, Augustus, Esq.
One Pinche Monkey (*Hapale ædipus*).
- Cressy, Theodore Grant, Esq.
One Porpoise (*Phocæna communis*).
- Creswell, Frank, Esq. Fifteen Dunlins (*Tringa variabilis*),
three Knots (*Calidris canutus*), one Golden Plover
(*Charadrius pluvialis*).
- Curry, M., Esq. One Horned Viper (Algiers).
- D'Arcy, Capt., R.N.
One ♂ Ocellated Turkey (*Meleagris ocellata*), one
Crested Guan (*Penelope cristata*), one Black Bear
(*Ursus americanus*).
- Day, —, Esq. Two ♀ Ring-Ousels (*Turdus torquatus*).
- De Mosquese, A., Esq. One Pinche Monkey (*Hapale ædipus*).
- Denison, H. E. Col. Sir W. T., K.C.B, Governor of Madras.
Four Orange-quilled Porcupines (*Hystrix malabarica*).
- Dixon, Arthur, Esq. Three Barred Doves (*Geopelia striata*).
- Doughty, Lieut. Chester.
One Vervet Monkey (*Cercopithecus lalandii*).
- Douglas, Johnstone, Miss. One Wild Cat (*Felis catus*).
- Dove, A. G., Esq. One Malabar Squirrel (*Sciurus purpureus*).
- Du Chaillu, M. P. B.
One ♂ West African River-Hog (*Potamochoærus
penicillatus*).
- Duguid, John, Esq.
Patagonian Cavies (*Dolichotis patachonica*).
- Dunn, Wm., Esq., C.M.Z.S.
One ♂ Javan Peafowl (*Pavo muticus*), one ♀ Concave-
casqued Hornbill.
- Dyke, Charles, Esq.
One Undulated Grass Parrakeet (*Melopsittacus undu-
latus*).
- Elder, H. H., Esq. Two Brown Bears (*Ursus arctos*).
- Ellis, —, Esq. One Macaque Monkey (*Macacus cynomolgus*).
- Ellis, Hon. Aug. A. C., F.Z.S.
Six Blackheaded Gulls (*Larus ridibundus*), eight
Naked-footed Owls (*Athene noctua*).
- Fairrei, Mrs. One Rose-crested Cockatoo (*Cacatua rosacea*).
- Fleming, John, Esq.
One Javan Cat (*Felis javanensis*), one Ruffed Lemur
(*Lemur varius*).
- Francis, Francis, Esq. Four Burbot (*Lota vulgaris*).

- Freeman, W., Esq. One Bonnet-Monkey (*Macacus radiatus*).
 Forster, H. Ramsay, Esq.
 One Common Macaque (*Macacus cynomolgus*).
 Gideon, Capt. One Malabar Squirrel (*Sciurus purpureus*).
 Goin, T., Esq.
 One pair of Passerine Doves (*Chamæpelia passerina*).
 Gordon, Hon. A.
 Two Quebec Marmots (*Arctomys empetra*), one Snowy Owl (*Nyctea nivea*).
 Gordon, Miss.
 One Entellus Monkey (*Semnopithecus entellus*).
 Grote, A., Esq., C.M.Z.S.
 One pair of Rhinoceroses (*Rhinoceros unicornis*), one pair of Eastern Jabirus (*Mycteria australis*), one White-headed Tantalus.
 Gurney, J. H., Esq., M.P., F.Z.S.
 Four Common Otters (*Lutra vulgaris*), one Marsh Harrier (*Circus æruginosus*).
 Gurney, Samuel, Esq., M.P., F.Z.S.
 Two thousand Trout Ova and two pairs of Common Trout (*Salmo fario*).
 Hall, Henry, Esq. One Little Grebe (*Podiceps minor*).
 Hall, Miss. One-Bonnet Monkey (*Macacus radiatus*).
 Hands, — Esq. One Common Chameleon (*Chamæleo vulgaris*).
 Harvey, H. O., Esq. Two Raccoons (*Procyon lotor*).
 Havers, T., Esq., F.Z.S.
 One Common Kestrel (*Tinnunculus alaudarius*).
 Heaton, J. A., Esq.
 Three bimaculated Ducks, supposed hybrids between *Mareca penelope* and *Querquedula crecca*.
 Hebler, H. A., Esq., 6th Regiment of Foot.
 One Himalayan Bear.
 Heley, —, Esq. Two Common Goats (*Capra hircus*).
 Herd, Captain, C.M.Z.S.
 Two Golden Eagles (*Aquila chrysaëtos*).
 Holmes, A., Esq.
 Two Undulated Grass-Parrakeets (*Melopsittacus undulatus*).
 Hooker, Mrs. One Herring-Gull (*Larus argentatus*).
 Hopkins, H. G., Esq. Two Jerboas (*Dipus ægyptius*).
 Houlder, William, Esq.
 One Rhesus Monkey (*Macacus erythræus*), two Herring-Gulls (*Larus argentatus*).

- Jones, H., Esq., R.N. Two Young Turtles.
- Joynson, T., Esq. One Mynah.
- Keene, Major. One Kiwi (*Apteryx mantelli*).
- Kelk, John, Esq., F.Z.S.
One Bar-tailed Pheasant (*Phasianus reevesii*).
- Keppell, Lieut. L. C., R.N.
One pair of Guinea-fowl (white variety) (*Numida meleagris*).
- King, Mrs.
One Lesser Sulphur-crested Cockatoo (*Cacatua sulphurea*).
- Layard, A. H., Esq., M.P.
One Greek Partridge (*Caccabis saxatilis*).
- Layard, E. L., F.Z.S.
Two Black-backed Jackals (*Canis mesomelas*).
- Leard, Dr. One Common Boa (*Boa constrictor*).
- Le Breton, F., Esq., F.Z.S.
One Black-fronted Lemur (*Lemur nigrifrons*).
- Le Marchant, H. E. Sir J. Gaspard, K.C.B., Governor of Malta. One pair of Barbary Deer (*Cervus barbarus*).
- Lloyd, William, Esq.
One Capuchin Monkey (*Cebus capucinus*).
- Luck, F., Esq. One Common Cuckoo (*Cuculus canorus*).
- M'Ewen, D., Esq. Two Emus (*Dromæus novæ-hollandiæ*).
- M'Kay and Co, T.C.W.
One Hawk's-billed Turtle (*Caretta imbricata*).
- Mackinnon, L., Esq.
Four Laughing Kingfishers (*Dacelo gigantea*).
- Maitland, Captain, R.N.
One Common Macaque Monkey (*Macacus cynomolgus*).
- Martin, K., Esq. Two Azara's Foxes (*Canis azaræ*).
- Maul, Miss. One Common Quail (*Coturnix communis*).
- Meynell, Mrs. Gerrard.
One Red-bellied Waxbill (*Estrelida rubriventris*).
- Mitchell, G., and Sluce, W., Esqrs.
One Jerboa Kangaroo (*Bettongia* — ?).
- Mivart, Mrs. One Common Squirrel (*Sciurus vulgaris*).
- Moger, Frederick, Esq.
One Vulpine Opossum (*Phalangista vulpina*).
- Moore, T. J., Esq., C.M.Z.S.
Three King-Crabs (*Limulus polyphemus*).
- Morgan, Octavius, Esq.
Two young Common Kestrels (*Tinnunculus alaudarius*).

Müller, Dr., C.M.Z.S.

Two Dingos (*Canis dingo*), one White Goshawk (*Astur novæ-hollandiæ*), Two Slender-billed Cockatoos (*Licmetis tenuirostris*), two Lizards.

Mullick, The Babu Rajendra, C.M.Z.S.

Nine Bankiva Jungle-fowls (*Gallus bankiva*), one Lineated pheasant (*Euplocamus lineatus*), three Hybrid Pheasants, two Cabul Chukar Partridges (*Caccabis chukar*), one Wood-Francolin (*Francolinus gularis*), two Double-banded Pigeons (*Treron bicincta*), one Purple-shouldered Pigeon (*Treron phænicoptera*), one Black Cuckoo (*Eudynamys orientalis*), one Slow Loris (*Nycticebus tardigradus*), four Rufous-tailed Pheasants (*Euplocamus erythrophthalmus*), twenty-one Green-winged Doves (*Chalcophaps indica*), six Nicobar Pigeons (*Calænas nicobarica*), five Barred Doves (*Geopelia striata*), six Dwarf Turtledoves (*Turtur humilis*), one Eastern Turtledove (*Turtur orientalis*), two Common Crowned Pigeons (*Goura coronata*), four Porphyrios (*Pophyrrio indicus*), five Black Francolins (*Francolinus vulgaris*), five Wood-Francolins (*Francolinus gularis*), one Grey Francolin (*Francolinus ponticerianus*), six Fan-tailed Pigeons (*Columba domestica*), eleven Shawl-Goats (*Capra hircus*), one Concave-casqued Hornbill (*Buceros bicornis*), one Rhinoceros Hornbill (*Buceros rhinoceros*), one pair of Common Cassowaries (*Casuarius galeatus*), two ♀ Javan Peafowl (*Pavo muticus*), two ♀ Rufous-tailed Pheasants (*Euplocamus erythrophthalmus*), one ♀ Peacock-Pheasant (*Polyplectron chinquis*), one pair of Black Cuckoos (*Eudynamys orientalis*), nine Rose-coloured Pastors (*Pastor roseus*), two Large Indian Tortoises (*Testudo indica*), two Saras Cranes (*Grus antigone*), one White-headed Tantalus (*Tantalus leucocephalus*).

Newall, R. S., Esq.

One pair of Globose Curassows (*Crax globicera*).

Norton, G., Esq.

One Great Sulphur-crested Cockatoo (*Cacatua galerita*).

O'Brien, H. Stafford, Esq., F.Z.S.

Two Cinereous Sea-Eagles (*Haliaëtus albicilla*).

Paton, Mrs. One Rhesus Monkey (*Macacus erythræus*).

Peele, Miss. One Rose-hill Parrakeet (*Platycercus eximius*).

Peirce, R. A., Esq. One Malabar Squirrel (*Sciurus purpureus*).

- Phillimore, Lady.
One Crested Ground-Parrakeet (*Calopsitta novæ-hollandiæ*).
- Phillips, Mrs. One pair of Ring-Doves.
- Plumb, Francis L., Esq.
One Vervet Monkey (*Cercopithecus lalandii*).
- Pugh, Edward, Esq. A Collection of Marine Animals.
- Pures, John, Esq. One Smooth Snake (*Coronella lævis*).
- Ranelagh, Viscount. One Brown Bear (*Ursus arctos*).
- Reay, William, Esq.
One Azara's Opossum and three young ones (*Didelphys azaræ*).
- Reid, Mrs. William. One Red Fox (*Vulpes fulvus*).
- Ridgers, Captain. One Piping Crow (*Gymnorhina leuconota*).
- Rigg, W. T., Esq. One Brown Coati (*Nasua fusca*).
- Richards, Charles, Esq.
One Mona Monkey (*Cercopithecus mona*).
- Ridgway, A. F., Esq.
One Mangaby Monkey (*Cercocebus æthiops*).
- Riley, Esq. Two Common Partridges (*Perdix cinerea*).
- Robinson, Sir John. One Persian Cat (*Felis domestica*).
- Rogers, E. J., Esq., H.B.M. Consul, Damascus.
One young Syrian Bear, ♂ (*Ursus syriacus*).
- Rolleston, Professor.
One Common Buzzard (*Buteo vulgaris*).
- Royal Dublin Zoological Society.
Two Australian Thicknees (*Ædicnemus grallarius*).
- Rubie, Frederick G., Esq.
One Bonnet-Monkey (*Macacus radiatus*).
- Russell, A. J. E., Esq., M.P., F.Z.S.
Eight Gold Carp (*Cyprinus auratus*), three Gold Fish (*Cyprinus auratus*).
- Russell, R., Esq.
Two male Sœmmering's Pheasants (*Phasianus sœmmeringii*).
- Rutherford, Lieut. John J., 21st Fusileers.
Two Barbary Turtledoves (*Turtur risorius*), one St. Lucia Dove.
- Ryan, Miss Bessie.
One Ring-necked Parrakeet (*Palæornis torquata*).
- St. Hill, Henry, Esq.
Two Black-backed Porphyrios from New Zealand (*Porphyrio melanotus*).

- Salter, Dr., F.Z.S.
A Collection of Marine Fishes, a Collection of Fishes.
- Salvin, Captain.
One Spotted Ichneumon (*Herpestes auropunctatus*).
- Savage, Anthony, Esq.
Two female Goosanders (*Mergus merganser*).
- Sawyer, Captain.
One Tuberculated Iguana (*Iguana tuberculata*), thirty
Crested Lizards (*Anolis cristatellus*).
- Seafield, the Earl of, F.Z.S. Four Wild Cats (*Felis catus*).
- Seaton, J., Esq. One Bonnet-Monkey (*Macacus radiatus*).
- Sedger, Mr. One Rhesus Monkey (*Macacus erythræus*).
- Seymour, Captain W. Beauchamp, R.N.
One Japanese Brown Bear (*Ursus arctos*).
- Sidgreaves, Charles, Esq.
Five Java Sparrows (*Padda oryzivora*), one Indian
Turtledove, one Common Macaque (*Macacus cyno-
molgus*).
- Sparke, J. B., Esq.
One Alexandrine Parrakeet (*Palæornis alexandri*).
- Stracker, H., Esq. One Gazelle (*Gazella dorcas*).
- Swinhoe, R., Esq., F.Z.S.
One Dampier-Strait Wild Hog (*Sus* ?), one Mantchu-
rian Deer (*Cervus mantchuricus*).
- Symonds, P. W., Esq. One Razorbill (*Alca torda*).
- Synd, Mrs.
One Alexandrine Parrakeet (*Palæornis alexandri*).
- Tampling, R. W., Esq.
One pair of Common Peafowl (*Pavo cristatus*).
- Terrero, Maximo, Esq. Two Armadillos (*Dasypus peba*).
- Thacker, Miss.
One Ring-necked Parrakeet (*Palæornis torquata*).
- Thompson, J. C., Esq.
One Vervet Monkey (*Cercopithecus lalandii*).
- Thompson, W., Esq.
A Collection of Marine Fishes, a Collection of Marine
Animals.
- Tidcombe, George, Esq.
One Two-Spotted Paradoxure (*Nandinia binotata*).
- Trevelyan, Sir W. C., Bart., F.Z.S.
A Collection of Barnacles.
- Vane, William, Esq. Two African Genets (*Genetta* — — ?).
- Waite, Thomas, Esq. One Common Jackal (*Canis aureus*).

- Walker, Lady.
Two Mitred Guinea-fowls (*Numida mitrata*), one
Common Guinea-fowl (*Numida meleagris*).
- Walker, R. B. W., Esq., C.M.Z.S.
Five Vinaceous Turtledoves (*Turtur vinaceus*).
- Ward, Esq. A Golden Eel.
- Warren, Laird, Mrs.
One Azara's Fox (*Canis azaræ*), one Red Coati (*Nasua
rufa*).
- Watson, Mrs. Alex.
One Great Kangaroo (*Macropus giganteus*).
- Webb, E. B., Esq.
One American Night-Heron (*Nycticorax pileatus*).
- Weld, Walter, Esq. One Porpoise (*Phocæna communis*).
- Werner and Co., Messrs.
One male Viscacha (*Lagostomus trichodactylus*).
- White, C. H., Esq.
One Green Monkey (*Cercopithecus callitrichus*).
- Wigram, Charles Hampden, Esq.
One Black Rat (*Mus rattus*).
- Williams, J., Esq. One Herring-Gull (*Larus argentatus*).
- Williams, Miss. One Deer from Honduras.
- Wodehouse, H.E. Sir Edmund, K.C.B., Governor of the Cape
Colony. One young Common Zebra (*Asinus zebra*).
- Wolley, C., Esq. One Hawfinch (*Coccothraustes vulgaris*).
- Wood, J. T. Hutton, Esq.
One Macaque Monkey (*Macacus cynomolgus*).
- Wucherer, Dr. D., C.M.Z.S.
One Tayra (*Galera barbara*), one Kinkajou (*Cercoleptes
caudivolvulus*), One Two-lined Palm-Snake.
- Yates, A., Esq.
One White-throated Sapajou (*Cebus hypoleucus*), one
Peewit (*Vanellus cristatus*), six Kingfishers (*Alcedo
ispida*).

Conclusion.

In concluding their Report, the Council feel that they are entitled to offer to the Members of the Society at large their warmest congratulations upon the present state of every branch of the Society's affairs. It may be safely stated, from the experience of the past two years, and the prosperous commencement of the present, that the yearly Income of the Society may be now reckoned, under

ordinary circumstances, to be likely to reach the amount of £20,000. Allowing £17,000 for the ordinary expenses of the present large establishment, a surplus of £3000 still remains, which may be devoted to extraordinary works, without intrenching on the Society's reserve fund. At the same time the roll of the Members of the Society seems likely to attain a considerable increase, proving that the objects of the Society and the state of its affairs are generally approved of; while the numerous visitors to the Gardens, particularly on Mondays and Holidays, show the interest taken in the Society's collection by the public at large.

In conducting the Society's affairs to their present state of prosperity, the Council have to acknowledge the assistance they have received from those Fellows of the Society who have served on the Committees of Publication, Audit, and Finance during the past year.

Signed for the Council,

P. L. SCLATER,

Secretary.

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

Appointed January 19, 1865.

HAVING fully examined the Accounts of the Society, inspected the Books, and seen Vouchers for all the Payments ordered by the Council for the year ending December the 31st, 1864, the Committee of Auditors beg respectfully to submit to the Society an Abstract of such Accounts, with a Statement of the Assets and Liabilities, and a Report thereon.

RECEIPTS.

				£	s.	d.	
Balance brought from Dec. 31, 1863				2,043	10	6	
INCOME.							
Belonging		£	s.	d.	£	s.	d.
to years							
1859	Annual Subscriptions				6	0	0
1860	{ Annual Subscriptions	9	0	0	10	1	0
	{ Ivory Tickets	1	1	0			
1861	{ Annual Subscriptions	9	0	0	12	16	0
	{ Ivory Tickets	1	1	0			
	{ Transactions	0	16	0			
	{ Proceedings.....	1	19	0			
1862	{ Annual Subscriptions	20	0	0	44	13	8
	{ Ivory Tickets	3	3	0			
	{ Transactions	19	18	8			
	{ Proceedings.....	1	12	0			
1863	{ Admission Fees	100	0	0	735	13	3
	{ Annual Subscriptions	84	0	0			
	{ Ivory Tickets	5	5	0			
	{ Transactions	53	10	5			
	{ Proceedings.....	105	15	4			
	{ Garden Sales	387	2	6			
1864	{ Admissions to Gardens	12,703	7	6	20,870	5	11
	{ Garden Sales	776	8	2			
	{ Rent for Refreshment Room	720	0	0			
	{ Admission Fees	970	0	0			
	{ Annual Subscriptions	3,491	1	0			
	{ Compositions	1,350	0	0			
	{ Ivory Tickets	75	3	0			
	{ Publications.....	248	17	0			
	{ Proceedings.....	121	0	3			
	{ Transactions	21	17	3			
	{ Dividends	335	11	3			
	{ Miscellaneous	22	0	6			
	{ Legacy, per Executors of the late } Beriah Botfield, Esq., F.Z.S..... }	35	0	0			
1865	{ Annual Subscriptions (anticipated) ...	30	0	0	34	4	0
	{ Publications (ditto)	3	3	0			
	{ Ivory Tickets (ditto)	1	1	0			
INCOME RECEIVED IN 1864				21,713	13	10	
Proceeds of Sale of £3000 Reduced 3 per Cents.							
				26,434	14	4	

PAYMENTS.

EXPENDITURE.		Gardens.			General Estabt.			Total.			
		£	s.	d.	£	s.	d.	£	s.	d.	
Belonging to years	1863	Rent, Rates, Taxes, &c.	195	4	2	60	11	7	255	15	9
		Bills.....	3,886	1	3	479	19	2	4,366	0	5
Paid on account of the previous year.....		4,081	5	5	540	10	9	4,621	16	2	
1864	{	Rent, Rates, Taxes, &c.	526	18	10	688	15	5			
		Salaries, Wages, and Pensions	2,557	12	4	1,196	12	6			
		Cost of Animals	1,449	11	11						
		Carriage of Animals and Keepers' Expenses	162	15	5						
		Cost of Expedition to India	744	15	4						
		Keepers' Dresses.....	111	0	6						
		Menagerie Expenses	1,503	13	10						
		Provisions	3,716	14	1						
		New Buildings and Works connected	965	18	8						
		Other Works, Repairs, and Materials	3,820	19	3	27	2	4			
		Garden Expenses	514	14	7						
		Band Expenses	175	8	6						
		Advertisements	124	14	6						
		House and Office Expenses.....	101	11	3	208	4	4			
		Stationery and Account Books	44	17	5						
		Printing (Miscellaneous).....	134	8	10						
		Library Expenses	355	6	0						
Proceedings (including Printing) ...	796	0	7								
Transactions, do. do. ...	329	7	9								
Returned Subscriptions	10	3	0								
Paid on account of the current year		18,146	12	7	2,120	14	7	20,267	7	2	
EXPENDITURE PAID IN 1864.....		22,227	18	0	2,661	5	4	24,889	3	4	
Paid for a Power of Attorney for Sale of £3000 Reduced 3 per Cents ...								1	1	6	
Cash at the Banker's, December 31, 1864, viz.	{	General Account	£1,248	6	7						
		Petty Cash Account ...	296	2	11						
								1,544	9	6	
								26,434	14	4	

The Assets and Liabilities on the 31st of December 1864
were as follow:—

ASSETS.						
	Arrears of		Capital Funded.	Cash.	Total.	
	Previous Years.	Current Year.				
	£	s. d.	£	s. d.	£	s. d.
Cash at Banker's...				1544	9	6
Paid for £10,000 Reduced 3 per Cents			9,356	2	10	
Annual Sub- scriptions } ...	200	0 0	144	0	0	
Ivory Tickets	11	11 0	10	10	0	
Publications	86	14 6	89	13	6	
Garden Sales	156	16 10	706	11	11	
	455	2 4	950	15	5	
			9,356	2	10	
				1544	9	6
						12,306 10 1

LIABILITIES.				
	Debts.			
	£	s. d.	£	s. d.
Bills, &c., estimated at—				
For the Gardens, say	906	10 9		
General Establishment	219	7 0		
			1,125	17 9
Rent and Taxes unpaid—				
For the Gardens, say.....	202	9 6		
General Establishment	54	4 9		
			256	14 3
Balance of Contracts and Architect's Com- mission thereupon.....			2,052	1 7
			3,434	13 7

Particulars of Payments in 1864.

	Belonging to		Total.	
	Previous Year.	Current Year.		
Rent, Rates, Taxes, &c.:-	£ s. d.	£ s. d.	£ s. d.	
Gardens.....	195 4 2	325 18 10	} 1,471 10 0	
General Establishment.....	60 11 7	688 15 5		
Salaries and Pensions:-				
Gardens.....		2,557 12 4	} 3,754 4 10	
General Establishment.....		1,196 12 6		
Cost of Animals.....	78 17 0	1,449 11 11	1,528 8 11	
Carriage of Animals and Keepers' Expenses:-				
Carriage and Keepers' Expenses.....	6 1 4		} 168 16 9	
Carriage and Keepers' Expenses, £112 3s. 9d.; Gratuities, £17 3s.; Freight and Dock Charges, £33 8s. 8d.		162 15 6		
Cost of Expedition to India.....	6 0 0	744 15 4		750 15 4
Provisions.....	287 19 0	3,716 14 1	4,004 13 1	
Menagerie Expenses:-				
Straw, £51 1s.; Coals and Coke, £53 3s.; Water Supply, £117 15s.; New Shifting-cages, £48 10s.; Miscellaneous, £54 9s. 4d.	334 18 4		} 1,838 12 2	
Straw, £517 1s. 6d.; Wages, £146 4s. 2d.; Coals and Coke, £216 9s. 2d.; Coals for Engine, £107 16s.; Water Supply, £25; Sheetting and Flannel, £28 13s. 3d.; Labels, £58 9s. 8d.; Mops, Brooms, and Brushes, £37 2s.; Shoeing, £15 1s. 6d.; Moveable Dens, £29 13s. 9d.; Saddlery, £14 10s. 6d.		1,196 3 6		
Bird Sand, £14 8s.; Sawdust, £16 10s.; Telegraph Company, £20; Oil, Soap, and Candles, £8 11s. 2d.; Chimney-sweeping and Sweeping-machine, £8 4s.; Police, £7 15s. 6d.; Gas and Repairs, £7 6s.; New Chairs, £15; Repairing Carts, £21 3s. 6d.		118 18 2		
Other Repairs, £19 18s.; Medicine £3 2s.; Sea-water and Carriage, £4 8s.; Winding Dial, £2 2s.; Miscellaneous, £159 2s. 2d.		188 12 2		
Keepers' Dresses.....		111 0 6		111 0 6
New Buildings and Works connected.....	3,000 0 0	965 18 8		3,965 18 8
Other Works, Repairs, Materials, &c.:-				
Materials and Repairs.....	126 10 3			} 3,974 11 10
Wages, £1153 17s. 9d.		3,820 19 3		
Hanover Square.—New Drain.....		27 2 4		
Garden Expenses:-				
Mats and Poles.....	5 15 6		} 520 10 1	
Wages, £445 7s. 10d.; Plants and Shrubs, £44 15s.; Seeds, £6 7s. 9d.; Brooms, £2 14s.; Garden Pots, £5; Turf, £4 4s.; Sundries, £6 6s.		514 14 7		
Band Expenses:-				
Music, £157 10s.; Programmes, £17 18s. 6d.		175 8 6	175 8 6	
Advertisements.....	4 3 0	124 14 6	128 17 6	
House and Office Expenses:-				
Garden.—Gas Supply, £9 4s. 3d.; Miscellaneous, £11 7s. 11d.	20 12 2		} 228 14 0	
Subscription to North London Hospital, £5 5s.; Medical Attendance on Keepers, £20; Keepers' Washing, £4 13s. 4d.; Furniture and Fittings in Ladies' Room, £24 12s. 6d.		54 10 10		
Soap and Candles, £6 3s. 10d.; Gas and Fittings, £23 8s.; Postage Stamps, £4 8s. 8d.; Miscellaneous, £19 3s. 9d.		47 0 5		
Hanover Square.—House Repairs, £9 17s. 1d.; Gas, £3 11s. 4d.; Miscellaneous, £7 1s. 3d.	20 9 8			
Remaking and Polishing Mahogany Chairs, £15 4s.; Coals and Wood, £13 12s.; Gas, £5 16s. 6d.; New Balloting Boxes, £9 12s.; Towels, &c., £3 2s. 1d.; Coffee, &c., for Evening Meetings, £10 18s. 9d.; Posting Reports, £11 12s.; Newspapers, £5 4s. 6d.		75 1 10		
Cab and Omnibus Fares, £10 1s. 6d.; Subscription to Ray Society, £1 1s.; Office Printed Books, £1 8s. 3d.; Postages and Stamps, £73 1s.; Brooms and Brushes, £1 18s. 6d.; Miscellaneous, £44 12s. 3d.		133 2 6		
Library Expenses:-				
New Books, £23 16s. 6d.; Binding, £4 5s. 6d.; Preparing Catalogue, £20.	48 2 0			} 403 8 0
New Books, £159 15s. 6d.; Charges on Books, £3 0s. 11d.; Binding, £66 0s. 7d.; New Book Case, £19 12s.; Water Colour Drawings and Mounting, £104 6s.; Preparing Catalogue, £1 10s.		355 6 0		
Stationery and Account Books.....	6 11 3	44 17 5			51 8 8
Printing (Miscellaneous).....	61 5 0	134 8 10	195 13 10	
Transactions:-				
Binding, £6 4s. 1d.; Drawings, £11 10s.	17 14 1		} 347 1 10	
Printing Plates and Paper, £94 13s.; Letterpress, £56 3s. 6d.; Drawings, £65 11s. 6d.; Colouring Plates, £94 11s. 3d.; Binding, £18 8s. 6d.		329 7 9		
Proceedings:-				
Drawings, £52 3s. 6d.; Printing Plates, £28 13s.; Letterpress, £118 11s. 6d.; Printing Index (1848 to 1860), £122 14s. 6d.; Binding, 14s. 4d.	322 16 10		} 1,118 17 5	
Drawings, £187 6s. 6d.; Printing Plates, £62 17s.; Letterpress, £153 18s. 3d.; Demy, £51 5s.; Drawing Slips, £11 12s. 6d.; Colouring Plates, £256 3s. 7d.; Preparing Index, £15 5s. 6d.; Binding, £57 12s. 3d.		795 0 7		
Law Expenses.....	18 5 0			18 5 0
Returned Subscriptions.....		10 3 0		10 3 0
	4,621 16 2	20,267 7 2	24,889 3 4	
Ordinary Payments.....	1,409 11 9	15,797 18 10	17,207 10 7	
Extraordinary Payments.....	3,212 4 5	4,469 8 4	7,681 12 9	
	4,621 16 2	20,267 7 2	24,889 3 4	

Comparison of Receipts in 1863 and 1864.

<i>Receipts.</i>				
	Income of		Increase.	Decrease.
	1863.	1864.		
	<i>£ s. d.</i>	<i>£ s. d.</i>	<i>£ s. d.</i>	<i>£ s. d.</i>
Admission Fees:—				
Past.....	85 0 0	100 0 0	15 0 0	.....
Present.....	620 0 0	970 0 0	350 0 0	.....
Annual Subscriptions:—				
Past.....	159 0 0	128 0 0	.....	31 0 0
Present.....	3,021 12 0	3,491 1 0	469 9 0	.....
Future.....	41 0 0	30 0 0	.....	11 0 0
Compositions.....	1,200 0 0	1,350 0 0	150 0 0	.....
Ivory Tickets.....	54 2 0	86 14 0	32 12 0	.....
Admissions to Gardens..	11,781 0 6	12,703 7 6	922 7 0	.....
Garden Sales.....	1,423 11 6	1,163 10 8	.....	260 0 10
Rent for Refreshment				
Room.....	732 13 4	720 0 0	.....	12 13 4
Publications.....	712 11 1	578 8 11	.....	134 2 2
Dividends.....	420 11 3	335 11 3	.....	85 0 0
Legacy.....	.....	35 0 0	35 0 0	.....
Miscellaneous.....	33 11 3	22 0 6	.....	11 10 9
	20,284 12 11	21,713 13 10	1,974 8 0	545 7 1
Increase....	1,429 0 11	.....	545 7 1	Ded. Decr.
	21,713 13 10	21,713 13 10	1,429 0 11	
 <i>Dr. Cash</i>				
			<i>£ s. d.</i>	
To Balance brought from December 31, 1863			2,043 10 6	
To Income received in the Year			21,713 13 10	
To Proceeds of Sale of £3000 Reduced 3 per Cents			2,677 10 0	
			26,434 14 4	

Comparison of Payments in 1863 and 1864.

<i>Payments.</i>				
	Expenditure of		Increase.	Decrease.
	1863.	1864.		
	£ s. d.	£ s. d.	£ s. d.	£ s. d.
Arrears of previous year	1,626 12 5	4,621 16 2	2,995 3 9	.....
Rent, Rates, Taxes, &c.	715 15 11	1,215 14 3	499 18 4	.....
Salaries, Wages, and Pensions	3,894 7 1	3,754 4 10	.....	140 2 3
Cost of Animals	1,083 7 10	1,449 11 11	366 4 1	.....
Carriage of ditto and Keepers' Expenses	190 17 10	162 15 5	.....	28 2 5
Cost of Expedition to India..	209 1 0	744 15 4	535 14 4	.....
Provisions	3,443 12 11	3,716 14 1	273 1 2	.....
Menagerie Expenses	1,623 17 9	1,503 13 10	.....	120 3 11
Keepers' Dresses	98 2 6	111 0 6	12 18 0	.....
New Buildings and Works connected	3,804 10 10	965 18 8	.....	2,838 12 2
Other Works, Materials, and Wages	1,803 3 3	3,848 1 7	2,044 18 4	.....
Garden Expenses	523 4 8	514 14 7	.....	8 10 1
Band Expenses	183 10 9	175 8 6	.....	8 2 3
Advertisements	154 3 10	124 14 6	.....	29 9 4
House and Office Expenses..	343 17 4	309 15 7	.....	34 1 9
Stationery and Account Books	68 6 5	44 17 5	.....	23 9 0
Printing (Miscellaneous)	171 7 6	134 8 10	.....	36 18 8
Library Expenses	211 9 5	355 6 0	143 16 7	.....
Transactions, including Printing	144 9 10	329 7 9	184 17 11	.....
Proceedings, ditto ditto	943 11 1	796 0 7	.....	147 10 6
Returned Subscriptions	15 1 0	10 3 0	.....	4 18 0
	21,252 11 2	24,889 3 4	7,056 12 6	3,420 0 4
Increase	3,636 12 2	.....	3,420 0 4	Ded. Decr.
	24,889 3 4	24,889 3 4	3,636 12 2	
Ordinary Expenditure	16,024 16 0	17,207 10 7	1,182 14 7	
Extraordinary ditto	5,227 15 2	7,681 12 9	2,453 17 7	
	21,252 11 2	24,889 3 4	3,636 12 2	
<i>Contra</i>				<i>Cr.</i>
			£ s. d.	
By Expenditure paid in the year (including arrears of 1863)			24,889 3 4	
By Cost of Power of Attorney for Sale of £3000 Reduced 3 per Cents			1 1 6	
By Balance at Banker's, December 31, 1864			1,544 9 6	
			26,434 14 4	