

REPORT  
OF THE  
COUNCIL  
OF THE  
ZOOLOGICAL SOCIETY  
OF LONDON,

READ AT THE ANNUAL GENERAL MEETING,

APRIL 29<sup>TH</sup>, 1861.

---

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

1861.



announce that a still greater augmentation in the total amount of Receipts has taken place.

The gross income of the Society during the past year from every quarter amounted to £16,863 18s. 11d., which, added to the sum of £1784 4s. 9d. (the balance carried over to the Society's credit from the year 1859), made a total amount to be placed under the head of Income for 1860 of no less than £18,648 3s. 8d. On few previous occasions since the foundation of the Society in 1825 has the income received during the twelvemonth amounted to so large a sum. Indeed, if the two exceptional years of the Great Exhibition and of the first arrival of the Giraffes in this country be placed aside, it will be seen by the subjoined Table that there are only three out of the thirty-three remaining years that present a more favourable aspect as regards Income.

*Income of the Zoological Society of London.*

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

Another subject of congratulation is that this large increase in the amount of receipts is due not to any sudden and unexpected addition made to one head of income, but to the steady augmentation of every branch of it. On examining the twelve different heads under which the

\* Year of the Great Exhibition.

† First exhibition of the Giraffes.



receipts of the Society are usually arranged, it will be found that nine out of the twelve have produced a larger sum than the corresponding amount for the previous year, and that the total decrease that has occurred upon the three remaining and comparatively unimportant heads has amounted altogether to the sum of £50 only.

The total sum received for entrances into the Gardens in 1860 was £10,054, being, with the exception of the year 1851, the fifth largest amount ever received in this manner, and showing an increase of £665 over the favourable year 1859. When the stormy and unseasonable weather which prevailed throughout the past year—such indeed as has hardly been experienced before since the Gardens were opened to the public—is considered, the flourishing state of their affairs, as thus evidenced, must, it is believed, prove to be as gratifying, as it must have been unexpected, to the Society. The number of Visitors to the Gardens in 1860 under the different categories into which they are divided, was (as given in the subjoined Table) of—

*Visitors to the Gardens.*

	1859.	1860.	Comparison.	
Fellows and Friends .....	60,362	62,798	Incr. 2,436	
Paying {	On ordinary days at 1s. each	87,528	85,284	Decr. 2,244
	On Mondays and other days at 6d. each..... }	179,973	212,406	Incr. 32,433
	Children under 12 years at 6d. each..... }	20,543	19,218	Decr. 1,325
Charity Children and others having free admission..... }	15,950	15,200	Decr. 750	
	<u>364,356</u>	<u>394,906</u>	Incr. 30,550	

It will be noticed that the total number of Visitors thus reached to nearly 400,000 in the year, an increase of more than 32,000 having taken place in the numbers of the admittances on Mondays and holidays at 6d. per head, while the other classes have presented little material variation in their aggregate numbers.

On Whit Monday in 1860, notwithstanding that the weather was far from propitious, no less than 21,024 persons paid for admission into the Society's Gardens, and



the sum received amounted to £525 12s., being the fourth best receipt that has ever taken place on that day. On Easter Monday, which from its earlier occurrence is naturally not so well adapted for out-door amusements as Whit Monday, the number of admissions was 17,644, and the amount received was £441 2s., being the largest sum ever taken on any Easter Monday since the opening of the Gardens to the public in 1828.

Besides the receipts from admittances to the Gardens, the most noticeable items of increase of the past year over 1859 consist of—

	£	s.	d.
Compositions . . . . .	150	0	0
Garden Sales . . . . .	168	8	5
Publication Sales . . . . .	216	13	3

The increase of the amount received for composition fees, which realized £150 more than in the year 1859, and £412 beyond the average receipts during the previous five years, is very satisfactory, as showing great confidence in the permanent prosperity of the Society. The increase of the receipts from the sales of duplicate stock and of the Society's publications will be both alluded to in a subsequent part of the Report.

#### *b. Expenditure.*

The sum of £18,648 3s. 8d., already alluded to as being the gross total formed by the income of the year 1860, when added to the balance carried over from 1859, was disposed of in the following manner:—The ordinary Expenditure of the Society required the sum of £12,950 10s.; the sum of £2999 5s. 11d. was devoted to extraordinary expenditure in the shape of buildings and other works tending to the permanent improvement of the Society's establishment, and the sum of £950 was added to the reserve fund, which by the addition of £1000 stock purchased with this sum in the month of February 1860, now stands at the amount of £6000 Reduced Three per Cents. The balance of £1748 7s. 9d., left after deducting these sums, was carried over to the credit of the present year.

The somewhat increased expenditure incurred in 1860 on the ordinary maintenance of the Society's establishment, has not taken place without the careful supervision of the Council, and they are enabled to give such reasons



for it, as they have little doubt will prove satisfactory to the Society. In the first place, the additions made to the number of animals in the Menagerie, together with the high prices of provisions of all sorts, and particularly of hay, straw, and other principal articles of consumption in the Society's establishment, which prevailed during the year 1860, caused an increase of expenditure of upwards of £300 beyond the amount estimated at the beginning of the year. The large sum of £1117 was devoted to purchase of animals for the Menagerie. But as the Council were thereby enabled to add some very remarkable, and indeed unique specimens to the collection, and as, moreover, the sum produced by the sale of duplicate specimens reached £1287 (being £170 more than the whole amount devoted to purchases), the Council feel that they were fully justified in this expenditure. For the present year the Council have adopted a revised and slightly augmented estimate for ordinary expenditure, and, though the prices of provisions do not seem likely to be diminished, they have every reason to believe that it will be found practicable to keep within it.

*c. Assets and Liabilities.*

The Cash Assets of the Society on the 31st of December 1860 amounted to—

	£	s.	d.
Cash at the Banker's . . . . .	1748	7	9
Cost of £6000 Red. 3 per Cents . . . . .	5513	19	10
	<u>7262</u>	<u>7</u>	<u>7</u>

The Liabilities at the same period were estimated at . . . . . 1380 7 3

Leaving a Cash Balance in favour of the Society of . . . . . 5882 0 4

Presenting an increase of £1056 4s. 3d. as compared with the same day in the preceding year.

The Council deeply regret to have to communicate to the Members that the sum of about £480, which has been ascertained to be due from the Estate of the late Secretary, Mr. Mitchell, to the Society, has not been yet recovered; but the Council have taken, and will continue to take, all steps in their power for this purpose.



## II. PUBLICATIONS.

The "Proceedings" of the Society have been regularly issued in three parts, both with and without illustrations, since the last Anniversary, according to the new arrangements then announced to the Society. At the commencement of the present year, in accordance with recommendations made by the Committee of publication, the Council determined on commencing a new series of the "Proceedings," with the slightly altered title of "Proceedings of the Scientific Meetings of the Zoological Society of London." By this means they have been enabled to effect several very desirable improvements in the form of printing, and in the numbering of the plates, and other minor particulars. No change is contemplated in the mode of issue, except that it is proposed to supply the "Proceedings" with Illustrations to Fellows of the Society, and to others having the privilege of purchasing the Society's publications at a reduced price, at a uniform subscription-price of 10s. per part (of which there will be three in each year), making the total subscription 30s., or bound *in cloth*, £1 12s. for the whole volume.

The volume of Illustrated Proceedings for the past year is now on the table, and the first part of the New Series, which embraces the communications made to the Scientific Meetings during the three first months of the present year will be ready in a few days. An Index volume to the series of Illustrated Proceedings, from 1848 to 1860, is likewise in preparation.

The seventh and last part of the fourth volume of the Society's Transactions is now being printed, and is expected to be ready for delivery in the course of the summer. It will contain articles by Mr. W. K. Parker on the Osteology of *Balæniceps rex*, by Professor Owen on the Gorilla (being the complement of his former important papers on the Anthropoid Apes), and by the Secretary on the new Struthious Birds living in the Society's Menagerie, the illustrations for which have been prepared from Mr. Wolf's drawings. It will likewise contain the index and title-page to the fourth volume of Transactions, of which the Council do not contemplate the continuance in their present form.

With regard to the increased expenditure incurred on the scientific publications of the Society, the Council beg leave to call attention to the fact that this has been more



than met by the increase of the amount realized by their sale. The excess of expenditure on the Proceedings and Transactions of the past year over that of the previous year was only £126, while the total amount received for copies disposed of reached £478, being an increase over the corresponding amount of the year 1859 of £216. When the large number of copies of the Society's publications distributed amongst the Fellows of the Society and given away to other Institutions in exchange is considered, it cannot be expected that the amount realized by sales can ever actually repay the expenses of their production; but the Council cannot but believe that out of an income which for the last ten years has averaged more than £15,200 per annum, the sum of £200 or £300 required for this purpose may be well devoted to the production of these works, which are noted throughout the scientific world for the value and interest of their contents.

A list of Publications (copies of which are now on the table) is now attached to every copy of the Society's publications. It gives every information as to the nature and contents of the Society's Transactions and Proceedings, and has, it is believed, materially assisted in extending their sale.

### III. LIBRARY.

The expenditure incurred on the Library during the past year has been principally devoted towards the completion of the Society's set of foreign Journals and Transactions, in many of which there were found to be volumes and portions of series missing. The sum of £39 has been spent in binding, and £33 in erecting additional shelves in the Library and Council Room for the better accommodation of the volumes. In this way very much has been already effected towards the reorganization of this important branch of the Society's establishment, and no pains will now be spared to bring it into a complete state of efficiency. Until a further sum has been spent upon the purchase of volumes still deficient to some of the series, and in binding pamphlets and tracts, of which the number is considerable, it has been considered useless to issue the Catalogue of the Society's Library, which was printed some time ago, or to prepare a supplement to it.

The following additions have been made to the series of



original water-colour drawings by Mr. Wolf, since the last Anniversary :—

83. The Balæniceps (*Balæniceps rex*).
84. The Persian Deer (*Cervus wallichii*).
85. The Japanese Deer (*Cervus sika*).
86. The young Ostrich (*Struthio camelus*).
87. The Ashy-black Ape (*Macacus ocreatus*).

The whole of these beautiful drawings are now, by the Council's permission, being exhibited to the public by Messrs. Henry Graves and Co., of 6 Pall Mall, who have published a selection of them under the title of "Zoological Sketches." The first volume of this work, which was planned and commenced some time ago, with the Council's sanction, by the late Secretary, has been recently completed by the present Secretary, and it is hoped will serve as well to call public attention to the many rare and noble animals exhibited from time to time in the Society's Menagerie, as to preserve such a faithful record of their living characters as may be useful for scientific purposes.

The principal Donations to the Library since the last Anniversary consist of Transactions and Proceedings from the following Institutions :—

- The Royal Society of London.
- The Linnean Society of London.
- The Royal Geographical Society of London.
- The Royal Horticultural Society of London.
- The University College, London.
- The Entomological Society of London.
- The Royal Society of Literature.
- The Literary and Philosophical Society of Liverpool.
- The Tyneside Naturalists' Field Club.
- The Dublin University Zoological and Botanical Association.
- The Royal Irish Academy, Dublin.
- The Academy of Natural Sciences of Philadelphia.
- The Boston Society of Natural History.
- The American Academy of Arts and Sciences, Boston.
- The Academy of Science, St. Louis.
- The American Philosophical Society, Philadelphia.
- The Imperial Academy of Sciences of Vienna.
- The Royal Academy of Arts of Berlin.



The University of Basle.  
 The Society of Arts and Sciences of Batavia.  
 The Royal Academy of Sciences of Göttingen.  
 The Royal Academy of Sciences of Stockholm.  
 The Royal Academy of Sciences of Munich.  
 The Senckenbergian Society.  
 The Zoological Society, Amsterdam.  
 The Natural History Society of Bonn.  
 The Royal Society of Tasmania.

Mémoires, Journals, Bulletins, Annals, and Reports  
 have also been received from

The British Association for the Advancement of Science.  
 The Linnean Society of London.  
 The Royal Geographical Society of London.  
 The Royal Agricultural Society of England.  
 The Geological Society of London.  
 The Society of Arts.  
 The Royal College of Physicians.  
 The Royal Asiatic Society of Great Britain.  
 The Royal Institution of Great Britain.  
 The Photographic Society of London.  
 The Art-Union of London.  
 The Statistical Society of London.  
 The United Service Institution.  
 The Royal Institution of Cornwall.  
 The Leeds Philosophical and Literary Society.  
 The Royal Dublin Society.  
 The Geological Society of Dublin.  
 The Imperial Academy of Sciences of St. Petersburg.  
 The Imperial Society of Naturalists of Moscow.  
 The Society of Natural Sciences of the Canton of Vaud.  
 The Physical and Natural History Society of Geneva.  
 The Royal Society of Sciences of Neufchatel.  
 The Royal Society of Sciences of Liège.  
 The Royal Academy of Sciences of Belgium.  
 The Imperial Society of Agriculture and Natural  
 History of Lyons.  
 The Society of Natural Sciences of Strasburg.  
 The Netherlands Entomological Society.  
 The Zoological Gardens, Frankfort.  
 The Dutch Natural Society, Carlsruhe.  
 The Imperial Academy of Sciences and Arts of Lyons.  
 The Royal University of Christiania, Norway.



The Royal Asiatic Society of Bengal, Calcutta.  
 The Smithsonian Institution, Washington.  
 The Lyceum of Natural History of New York.  
 The Boston Society of Natural History, U.S.A.  
 The Academy of Natural Sciences, Philadelphia.  
 The Franklin Institute.

Donations have also been received from the Council of the City of Manchester; The Secretary at War, Washington, U.S.A.; The Surgeon-General, U.S. Army; The Commissioner of Patents, Washington, U.S.; Professor Felipe Poey; Dr. F. H. Troschel, For. Mem.; Professor J. Van der Hoeven, For. Mem.; Professor Duméril, For. Mem.; Professor F. S. Holmes; Isaac Lea, Esq., LL.D., Corr. Mem.; Joseph Leidy, Esq., M.D., Corr. Mem.; A. Newton, Esq., F.Z.S.; A. Russell, Esq., M.P., F.Z.S.; Professor Baird; Professor F. S. Holmes; Dr. Shortt, F.Z.S.; H. Freke, Esq.; Madame J. Power; J. Lubbock, jun., Esq., F.R.S.; J. Carson Brevoort; M. Pucheran; Signor J. J. Bianconi; Dr. J. Aitken Meigs; Dr. F. Müller; The Secretary of State for India; Dr. Anton Fritsch; C. Collingwood, Esq.; the Editor of the 'Athenæum'; the Editor of the 'Natural History Review,' Dublin; the Editor of the 'Literary Gazette'; the Editors of the 'Atlantis'; the Editor of the 'London Review'; and the Editor of the 'Pharmaceutical Journal.'

#### IV. GARDEN ESTABLISHMENT.

##### a. WORKS.

The principal work undertaken by the Council since the last Anniversary has been the completion of the NEW ANTELOPE HOUSE, which now forms one of the most important buildings in the Society's Gardens, and, as is generally acknowledged, is one of the most useful as well as one of the most ornamental additions that has been made to the Society's grounds for many years. With the object which the Council had in view in erecting this building, the Society are already familiar from the previous Annual Reports. The first section of the New Antelope House was completed and opened to the public in the summer of 1859. In the autumn of last year the Council thought that the state of the Society's income was such as would fully justify them in proceeding with the



second section. It appearing, however, upon consultation with the architect, Mr. A. Salvin, jun., and from the terms of the tenders sent in by the builders, that a considerable reduction of expense would result from the whole of the remaining portions being erected at once, the Council agreed upon the expediency of adopting this course, charging the expense of the third and last section of the building upon the revenue of the present year. The whole amount of the contract with Messrs. Lucas for the completion of the New Antelope House was £2543, of which £1000 was charged to extraordinary expenditure for the year 1860, and the residue will be paid out of the sum of £2500, which it is proposed to appropriate to new works and buildings in the Gardens out of the income of the present year.

When the courts of the new building, which are now in rapid progress of completion by the Society's workmen, are finished, it is in contemplation to remove the Elands and other Antelopes, now located near the Elephant House, to this side of the Gardens, and to arrange the whole series of the members of this family of animals in order in the new building, as nearly as practicable according to their natural affinities.

The improvement of the Refreshment Department in the Gardens is another subject that has been constantly forced upon the Council's attention; the present building being notoriously inadequate for the proper supply of refreshments to the large and increasing crowds which now visit the Gardens on Mondays and holidays. With this object the Council have entered into contracts for the immediate erection of a Glass House (40 feet by 20) at the back of the present building, with convenient cellarage underneath. As the present contractor for the supply of refreshments agrees to pay interest at the rate of £5 per cent. upon the money thus expended, the amount of these contracts must be considered rather in the light of an advantageous investment, than as any burden on the Society's finances.

The principal works executed by the Society's staff of workmen during the period which has elapsed since the last Anniversary, have been the following alterations, improvements, and repairs:—



I. The thorough repair of the Parrot House, the walls having been plastered, and a new solid floor laid down, so as effectually to exclude the rats and mice.

This was effected during the past summer at a cost of about £180, the birds having been meanwhile temporarily removed to the upper story of the Museum building.

II. The flooring of the upper portion of the Old Museum Building, the making of a solid concrete bottom to the ground story, and its conversion into a Storehouse.

The space allotted for hay, straw, and other stores, was very limited until these alterations (which have cost about £85) were effected. The extra accommodation thus provided will enable other improvements to be made,—in particular that of the addition of a portion of the former hay and straw sheds to the carpenter's shop, which was much needed. It is proposed to fit up the upper portion of the old Museum as a room for small Mammals of the Orders Rodentia and Marsupialia. The very desirable alterations will thus be made of keeping these classes of animals separate from the small Carnivora, with which they are now associated in one confined and crowded house, and of allowing them much greater space, besides that of giving to the public greater facilities for examining these interesting animals.

III. The erection of a Shed for cattle, horses, and sheep at the back of the old Museum, and the paving of the adjoining yard with small granite blocks.

The first of these works was executed entirely with the materials taken out of the old Museum, at a small cost for extra labour. The paving (in a solid manner) of the adjoining court, where so much traffic is always passing, has long been urgently required, and was effected by the Society's workmen at a cost of about £30 for materials.

IV. The thorough repair and extension of the Waterfowl Ponds situated at the south end of the Gardens, and the making of a solid road behind them, for the use of the public and for carts coming into the Gardens.



The heavy traffic during the past winter occasioned by the building of the New Antelope House rendered the road at the back of the line of ponds next to the Park quite impassable. This has now been thoroughly repaired and converted into a firm and substantial way, which will be very shortly opened to the public. The shrubs have been partially removed, so as to throw open the ponds on the southern side, and the whole of the enclosures put into repair, their areas having been considerably extended by the additional space thus obtained. It is proposed gradually to surround these ponds with a new and improved rat-proof fence, made by the Society's workmen, a portion of which has been already erected.

Besides the more considerable works just enumerated, numerous other improvements and alterations of greater or less importance have been effected, amongst which may be particularized the labelling of the various buildings in the Gardens with the names given to them in the Garden-guide; and it may be safely stated that the Society's Garden-establishment was never in a better state of repair and efficiency than at the present moment.

#### b. MENAGERIE.

The following Table gives the numbers of Quadrupeds, Birds, and Reptiles in the Menagerie on December 31st of the year 1860, and the corresponding numbers on the previous 31st of December, by which it will be seen that a considerable increase has taken place.

#### *Animals in the Menagerie.*

	December 31,		Comparison.
	1859.	1860.	
Quadrupeds .....	364	467	Incr. 103
Birds .....	819	931	Incr. 112
Reptiles .....	137	192	Incr. 55
	1320	1590	Incr. 270

The list of animals, of which specimens have been exhibited for the first time since the last Anniversary, shows that, though it becomes more difficult every year to add novelties to the collection, no less than 36 species have



been received during the past twelve months, which had not been previously obtained in a living state for the Society's Gardens.

#### MAMMALS.

1. The Rufous-backed Monkey (*Cercopithecus rufo-viridis*).
2. The Moor Macaque (*Macacus maurus*).
3. The Small Indian Ichneumon (*Herpestes nepalensis*).
4. Ælian's Wart-Hog (*Phacochoerus æliani*).
5. The Tibetan Yak (*Bos grunniens*).
6. The Yellow-footed Kangaroo (*Petrogale xanthopus*).
7. The Thick-tailed Opossum (*Didelphis crassicaudata*).

#### BIRDS.

8. The one-streaked Hawk (*Astur monogrammicus*).
9. Black Crested-Eagle (*Spizaëtus occipitalis*).
10. Indian Starling (*Acridotheres ginginianus*).
11. Summer Tanager (*Pyrranga æstiva*).
12. Chinese Blue Jay (*Urocissa sinensis*).
13. Chestnut-breasted Finch (*Donacola castaneothorax*).
14. Red-tailed Grass Finch (*Estrela ruficauda*).
15. Glaucous Macaw (*Ara glauca*).
16. Triton Cockatoo (*Cacatua triton*).
17. Pallas' Sand-grouse (*Syrrhaptes paradoxus*).
18. Australian Quail (*Synæcus australis*).
19. Barred Emeu (*Dromæus irroratus*).
20. The Saddle-billed Stork (*Mycteria senegalensis*).
21. White-crested Tiger-Bittern (*Tigrisoma leucolophum*).
22. Ruddy-headed Goose (*Chloëphaga rubidiceps*).
23. Australian Wild Duck (*Anas superciliosa*).

#### REPTILES.

24. The Long-necked Chelodine (*Chelodina longicollis*).
25. White-throated Regenia (*Regenia albogularis*).
26. Ocellated Regenia (*Regenia ocellata*).
27. Gould's Monitor (*Monitor gouldi*).
28. Brazilian Lizard (*Sceloporus chlorolepidotis*).
29. American Chameleon (*Sphærops anomalus*).
30. The Xenodon (*Xenodon rhabdocephalus*).



31. Brazilian Rat-Snake (*Spilotes variabilis*).
32. The Natal Snake (*Causus rhombeatus*).
33. Australian Viper (*Pseudechis porphyriaca*).
34. Australian Yellow Snake (*Hoplocephalus superbis*).

#### FISHES.

35. The Thunder-Eel (*Cobitis fossilis*).
36. Murray-river Cod (*Galaxias scribea*).

Among the Mammals, the most noticeable species exhibited for the first time since the last Anniversary is, perhaps, the *ÆLIAN'S WART-HOG*. A female of this Wart-Hog was presented to the Society by Her Majesty the Queen in January last, and forms a valuable addition to the already full series of *Suidæ* in the Society's possession, of which special mention was made in the last year's Report. The *Ælian's Wart-Hog* is readily distinguishable on comparison from the Southern species—the *Phachochærus æthiopicus*—of which the Society have possessed an example for several years. This may be seen very advantageously, as the two animals are now placed side by side in the Gardens. Another very acceptable addition to the series of living *Suidæ* was effected in November last by the receipt of a fine young male *BABIRUSA* (*Babirusa alfurus*) obtained by exchange from the Zoological Gardens of Rotterdam. This animal is living in good health in the Menagerie, though, unfortunately, its more delicate nature and the amount of protection required renders it impossible to place it at present in the Swine-house among the others of the family to which it belongs.

Amongst the Birds also particular attention must be called to the acquisition of living examples of the Barred Emeu of Western Australia, which seems to form a distinct species or local variety of the well-known *Dromæus* of New South Wales and the south-eastern portion of the Continent. A *Rhea*, which was purchased quite young three years ago, seems, now that it has obtained adult plumage, to have valid claims to be considered as different from the two previously known species—the American and the Darwin's *Rhea*—both of which are also represented in the Society's Menagerie. Amongst the Struthious birds also, a young Cassowary, acquired by exchange in the



past autumn, presents such variations in the form of the throat-wattles as seem to necessitate its specific separation from the common species. These additions to the *Struthiones* have rendered the collection of this group of birds without doubt the finest that has ever been brought together, and will, the Council have reason to believe, be still more appreciated, when certain alterations which they hope to make on the completion in its entirety of the New Antelope House, enable them to arrange the whole of these birds together side by side in the northern portion of the Gardens.

Though the breeding-season of the past year was very unfavourable, particularly for birds, the list of species that have reproduced in the Menagerie since the last Anniversary is not less numerous than those of the previous years.

LIST OF SPECIES WHICH HAVE BRED IN THE GARDENS OF  
THE ZOOLOGICAL SOCIETY, BETWEEN THE 29TH OF APRIL,  
1860, AND THE 29TH OF APRIL, 1861.

MAMMALS.

1. Rhesus Monkey (*Macacus rhesus*).
2. Puma (*Felis concolor*).
3. Silver Fox (*Canis argentatus*).
4. Collared Peccary (*Dicotyles torquatus*).
5. Nylghau (*Portax pictus*).
6. Eland (*Oreas canna*).
7. Leucoryx (*Oryx leucoryx*).
8. Punjab Sheep (*Ovis cycloceros*).
9. Wapiti Deer (*Cervus canadensis*).
10. Persian Deer (*C. wallichii*).
11. Barbary Deer (*C. barbarus*).
12. Sambur Deer (*C. hippelaphus*).
13. Rusa Deer (*C. rusa*).
14. Axis Deer (*C. axis*).
15. Hog Deer (*C. porcinus*).
16. Mazame Deer (*C. campestris*).
17. Llama (*Auchenia lama*).
18. Alpaca (*A. pacos*).
19. Common Agouti (*Dasyprocta aguti*).
20. Barbary Mouse (*Mus barbarus*).
21. Sciurine Opossum (*Belideus sciureus*).



22. Bennett's Kangaroo (*Macropus bennettii*).  
 23. Virginian Opossum (*Didelphis virginiana*).

## BIRDS.

24. Senegal Dove (*Turtur senegalensis*).  
 25. Chinese Dove (*Turtur risorius*).  
 26. Crested Ground Dove (*Ocyphaps lophotes*).  
 27. Impeyan Pheasant (*Lophophorus impeyanus*).  
 28. Cheer Pheasant (*Catreus wallichii*).  
 29. Purple Kaleege (*Gallophasis melanotus*).  
 30. White-crested Kaleege (*Gallophasis albocristatus*).  
 31. Black-backed Kaleege (*Gallophasis melanotus*).  
 32. Cape Francolin (*Francolinus capensis*).  
 33. Californian Quail (*Callipepla californica*).  
 34. Brush-turkey (*Talegalla novæ hollandiæ*).  
 35. Javan Pea-fowl (*Pavo muticus*).  
 36. Black-winged Pea-fowl (*Pavo nigripennis*).  
 37. American Rhea (*Rhea americana*).  
 38. Emeu (*Dromæus novæ hollandiæ*).  
 39. Black Swan (*Cygnus atratus*).  
 40. Cereopsis (*Cereopsis novæ hollandiæ*).  
 41. Ruddy Shell Duck (*Casarca rutila*).  
 42. Shoveller (*Rhynchaspis clypeata*).  
 43. Pintail (*Dafila acuta*).  
 44. Dusky Duck (*Anas obscura*).  
 45. Yellow-billed Duck (*Anas xanthorhyncha*).  
 46. Bahama Duck (*Pæcilonetta bahamensis*).  
 47. Red-billed Duck (*P. erythrorhyncha*).  
 48. Summer Duck (*Aix sponsa*).  
 49. Common Teal (*Querquedula crecca*).  
 50. Hybrid Castaneous Ducks (*Fuligula nyroca*. and *F. cristata*).

## REPTILES.

51. Water Viper (*Cenchrus piscivorus*).  
 52. The Painted Emys (*Emys picta*).

With regard to the Himalayan Pheasants, concerning which so much interest is now felt, the Council have to report as follows:—

At the commencement of the past year, the breeding



stock consisted of three pairs of the Black-backed, two pairs of the White-crested, and one pair of the Purple Kaleege, one pair of Cheers, and three of Impeyans. These ten females produced altogether 141 eggs, being 27 less than the same number produced in the year 1859. The number of young birds hatched, however, was greater, being 82 instead of 62. But the number reared, owing to the bad weather, was slightly less—being only 45 instead of 50. The whole of the young birds were disposed of without difficulty among the members and correspondents of the Society, except the four young Impeyan Pheasants; for which, however, there are numerous applicants as soon as the sex of the birds shall be ascertainable.

The following lists give the results of the breeding-seasons of 1858, 1859, and 1860, compared together in a tabular form:—

Date.		No. of Hens.	Eggs laid.	Young hatched.	Reared.	Died.
1858.	Black-backed Kaleege .....	5	} 184	63	61	2
"	White-crested Kaleege .....	1		6	5	1
"	Purple Kaleege .....	1		19	17	2
"	Cheer Pheasant .....	2		26	25	1
"	Impeyan Pheasant .....	2		12	8	4
		11	184	126	116	10
1859.	Black-backed Kaleege .....	3	59	18	16	2
"	White-crested Kaleege .....	2	33	12	9	3
"	Purple Kaleege .....	1	22	8	7	1
"	Cheer Pheasant .....	2	44	19	15	4
"	Impeyan Pheasant .....	2	10	5	3	2
		10	168	62	50	12
1860.	Black-backed Kaleege .....	3	47	27	14	13
"	White-crested Kaleege.....	2	24	20	12	8
"	Purple Kaleege .....	1	17	11	8	3
"	Cheer Pheasant.....	1	20	13	7	6
"	Impeyan Pheasant .....	3	33	11	4	7
		10	141	82	45	37

Since the last Anniversary the interest taken in the Collection by many of the Society's former Patrons has continued unabated, and many new correspondents in various parts of the world have given proofs of their readi-



ness to support the Society, as is evidenced by the following—

LIST OF DONORS AND DONATIONS TO THE MENAGERIE.

- HER MAJESTY THE QUEEN. *An Ælian's Wart-Hog.*  
 HIS MAJESTY THE KING OF PORTUGAL, F.Z.S.  
*A Bonelli's Eagle.*  
*Two Imperial Eagles.*  
*A Common Kite.*
- HIS ROYAL HIGHNESS PRINCE ALFRED.  
*Two Porcupines.*
- HIS ROYAL HIGHNESS THE DUKE DE OPORTO.  
*A Leopard.*
- The Marquis of Bath, F.Z.S. *Two Common Otters.*  
 The Viscount Powerscourt, F.Z.S.  
*Two Philantomba Antelopes.*  
*A Toco Toucan.*
- The Earl of Southesk, F.Z.S. *A Beaver.*  
 The Right Hon. the Speaker of the House of Commons, F.Z.S.  
*Two White Guinea Fowls.*
- Sir Thomas Dyke Acland, Bart., F.Z.S.  
*Two Exmoor Ponies.*
- His Excellency Sir George Grey, K.C.B., F.Z.S.  
*Four Cape Hyrax.*  
*A Broad-tailed Sheep.*
- His Excellency W. D. Christie, F.Z.S.  
*An Opossum.*
- Edward Gabriel, Esq., H.B.M. Commissioner at Loando.  
*A Spotted Hyæna.*  
*An African Civet Cat.*  
*An African Goat.*  
*A Marabou.*  
*A Philantomba Antelope.*  
*A Duyker Bok.*  
*A Crested Eagle.*
- Lieut.-General Sir J. Gaspard Le Marchant, G.C.M.G., Governor of Malta.  
*An Oudad.*  
*An Addax.*  
*Three Dorcas Gazelles.*
- C. M. Robinson, Esq. *A Pair of Yaks.*  
 The Baron Jackman. *A Pair of Zebus.*  
 The Baron Joseph James de Forrester, Corr. Mem.  
*A Bonelli's Eagle.*



Hon. J. F. Stuart Wortley.	34 Chinese Sand Grouse.
R. Nunn, Esq.	A Vulpine Opossum.
J. A. Olding, Esq.	Two Egyptian Foxes.
E. D. Hewkes, Esq.	A Common Weazel.
Donor unknown.	An Ocelot.
J. Wilks, Esq.	A Formosa Deer.
John Salmon, Esq.	A Brush-tailed Wallaby.
Mons. H. Pierre Pichot.	Six Barbary Mice.
D. A. C. Festing, Esq.	An Ocelot.
Percy Dodgson, Esq., 14th Light Dragoons.	An Ichneumon.
Lieut. T. H. Archer, 63rd Regt.	A Musk Rat.
E. Lowry, Esq.	An Indian Paradoxure.
Charles Darwin, Esq., F.Z.S.	Two Moscow Rabbits.
Samuel G. Rawlins, Esq.	A Paradoxure.
R. Colyar, Esq.	A Gazelle.
C. Pringle, Esq.	Two Portuguese Foxes.
A. F. Hurt, Esq.	A Cat from Carthagen.
J. T. Sharp, Esq.	A Common Badger.
E. Percy Thompson, Esq.	A Jackal.
R. J. Montgomery, Esq.	An Irish Hare.
J. T. Hamilton, Esq.	A young Brown Bear.
A. Arcedeckne, Esq., F.Z.S.	A Peccary.
J. Wingfield Malcolm, Esq.	An American Black Bear.
Charles Martin, Esq.	Two Java Paradoxures.
John Bayliss, Esq.	An Agouti.
— Hampton, Esq.	An Agouti.
Lieut. C. J. Burgess, 46th Regt.	An Ichneumon.
Hon. Charles Ellis.	Two Beavers.
	An Alligator.
	Two Lizards.
Major Boyd.	Two Canadian Porcupines.
— Young, Esq.	An Ocelot.
Bryan McCarthy, Esq.	A Java Deer.
Colonel Charles Ford, R.E.	A Spider Monkey.
S. Pretor, Esq.	A Wanderoo Monkey.
S. Silva, Esq.	A South American Monkey.
Joseph Chapman, Esq.	A Bonnet Monkey.
A. P. French, Esq.	Two Mona Monkeys.
J. Pittman, Esq.	A Wanderoo Monkey.
G. Billing, Esq.	A Monkey.
J. Mann, Esq.	A Diana Monkey.
Gordon Sandiman, Esq.	Two Baboons.
Archibald Weir, Esq.	A Capuchin Monkey.



- Morris, Esq. *A Rhesus Monkey.*  
 George Gray, Esq. *An Entellus Monkey.*  
 Bosville Durrant, Esq. *A White-nosed Monkey.*  
 Capt. Reader. *A Wanderoo Monkey.*  
 E. Kessor, Esq. *A Capuchin Monkey.*  
 Walter Blackmore, Esq. *A Bonneted Monkey.*  
 Mrs. Gaskell. *A Rhesus Monkey.*  
 Kennet Harris, Esq. *A Macaque Monkey.*  
 Mr. Richmond. *A Bonnet Monkey.*  
 H. Alexander, Esq. *A Capuchin Monkey.*  
 P. Thompson, Esq. *A Macaque Monkey.*  
 — Shepherd, Esq. *A Rhesus Monkey.*  
 — Tyler, Esq. *A Vervet Monkey.*  
 Lieut. Gilmour, H.M. 1st Royals. *A Vervet Monkey.*
- George Clive, Esq. *A Snowy Owl.*  
 Capt. Taylor. *A Stanley Crane.*  
 Edward Blyth, Esq., Curator of the Royal Asiatic Society,  
 Calcutta, Corr. Mem. Z.S. *Two Geckos.*  
 Robert Scott, Esq. *An Alexandrine Parrakeet.*  
 Edgar Leopold Layard, Esq., F.Z.S. *A Tawny Eagle.*
- A Lady from Mozambique. *An African Buzzard.*  
*Thirty-six Chrysalides.*  
*Two Whydah Birds.*  
*Two Waxbills.*
- Major Magenis. *Two Peregrine Falcons.*  
 Capt. Spencer. *An American Falcon.*  
 G. Hough, Esq. *A Common Stork.*  
 A. Downs, Esq. *Twenty-two American Quails.*  
 W. F. C. Bartlett, Esq., R.N. *Two Muscovy Ducks.*  
 Robert Marshall, Esq., F.Z.S. *A Red-winged Parrakeet.*  
 John Blount, Esq. *Two Tinamous.*  
 — Strutt, Esq. *A Ringed Parrakeet.*  
 J. Gurney Barclay, Esq., F.Z.S. *A Buzzard.*  
*A Long-eared Owl.*
- George Johnson, Esq., F.Z.S. *Three Indigo Birds.*  
 Miss Robinson. *Two Green Parrots.*  
 Dr. F. Mueller, Botanical Gardens, Melbourne, Corr. Mem.  
 Z.S. *Two Black Swans.*  
*Two Wedge-tailed Eagles.*  
*Nine Australian Quails.*
- C. Clifton, Esq., F.Z.S. *Two Honey Buzzards.*  
*A Wood Pigeon.*



- T. O'Connor Morris, Esq. *A Bald-headed Pigeon.*  
 Sir Charles C. Smith, Bart. *Three Passerine Ground Doves.*  
 Capt. David Herd, Corr. Mem. Z.S. *An American Eagle.*  
*Two Fisher Martins.*  
 Mrs. Christie. *A Red Tinamou.*  
 Mrs. Belgrave. *Two Buzzards.*  
 M. T. Boswell, Esq. *A Cockatoo Parrakeet.*  
 Mr. Chief Justice Temple. *A Guan.*  
 Mrs. Low. *A Pair of Doves.*  
 A. Denison, Esq., F.Z.S. *Four Chestnut-breasted Finches.*  
 J. H. Hunt, Esq. *A Gannet.*  
 P. Frazer, Esq., Corr. Mem. Z.S. *An Australian Goshawk.*  
*A Kangaroo Rat.*  
 Lady Hill. *A Gull.*  
 E. Lukyn, Esq. *Six Kingfishers.*  
 Donor unknown. *Two Common Herons.*  
 Richard Tress, Esq., F.Z.S. *A Ringed Parrakeet.*  
*A Great Sulphur-crested Cocka-  
 too.*  
 F. Bernal, Esq., H.B.M. Consul at Carthagen. *Two Hangnests.*  
 Capt. Rees, of the Ship 'Sir F. T. Williams.' *Two Chinese Pheasants.*  
 Dr. H. B. Holbeck. *Two Turkey Buzzards.*  
 H. Footner, Esq. *Two Peregrine Falcons.*  
 R. W. Archibald, Esq., 58th Regt. *Two Nightjars.*  
*Two Sparrow Hawks.*  
 Arthur Russell, Esq., M.P., F.Z.S. *Two Carolina Water Tortoises.*  
 Edward Wilson, Esq. *A Yellow-bellied Snake.*  
*Nine Australian Serpents.*  
*Two Laughing Kingfishers.*  
*An Australian Wild Duck.*  
*An Australian Water-hen.*  
 H. E. Dresser, Esq. *A Madagascar Tortoise.*  
 Mr. Jamrach. *A South American Lizard.*  
 James Murton, Esq. *A Common Adder.*  
 Donor unknown. *A Boa Constrictor.*  
 Sparks Moline, Esq. *A West Indian Turtle.*  
 J. Fforde, Esq. *A South American Boa.*  
 Mrs. Robinson. *A Common Tortoise.*  
 A. Kelly, Esq. *Three Tortoises.*



Capt. Abbott.	<i>An Iguana from Antigua.</i>
Dr. Holbeck.	<i>5 Water and 4 Land Tortoises.</i>
A. Crosbie, Esq.	<i>A Chamæleon.</i>
H. Longman, jun., Esq.	<i>Four Chamæleons.</i>
Capt. Selby.	<i>A Tree Boa.</i>
Mrs. Luihminant.	<i>A Water Tortoise.</i>
Dr. Otto Wücherer, of Bahia,	Corr. Mem. Z.S.
	<i>A South American Rat Snake.</i>
	<i>A Green Snake.</i>
	<i>A Snake.</i>
	<i>A Lizard.</i>
Capt. Sawyer.	<i>Ten American Lizards.</i>
J. Warner, Esq.	<i>A Chamæleon.</i>
F. T. Streeton, Esq.	<i>A Chamæleon.</i>
P. Joske, Esq.	<i>An Australian Water Tortoise.</i>
G. Bond, Esq.	<i>Two Harlequin Beetles.</i>
R. T. Smith, Esq.	<i>Two examples of Actinia dianthus.</i>
	<i>A Shell with Serpulæ.</i>
A. Arcedeckne, Esq., F.Z.S.	<i>Three Lobsters.</i>
— Louis, Esq.	<i>Twenty specimens of Actinia dianthus.</i>
R. H. Holman, Esq.	<i>Three Slow Worms.</i>
A. Todd, Esq.	<i>Examples of Actinia crassicornis.</i>
J. N. Tomkins, Esq., F.Z.S.	<i>Specimens of Actinia crassicornis.</i>
	<i>Eight Sabellæ.</i>
	<i>A Medusa.</i>
	<i>An Ascidian.</i>
Dr. A. Günther, For. Mem. Z.S.	<i>A Collection of Hydra fusca.</i>
W. Hindley, Esq.	<i>Fifteen examples of Anthea cereus.</i>
	<i>Twelve Trochi.</i>
A. Arcedeckne, Esq., F.Z.S.	<i>130 Mussels covered with Balanus.</i>
Miss M. McLean.	<i>A Physalia arethusa.</i>
Alfred Smee, Esq.	<i>Seven young Salmon.</i>
Dr. James Salter, F.Z.S.	<i>Collections of Marine Fishes.</i>

#### Conclusion.

In concluding their Report, the Council desire to express their cordial thanks to those Fellows who have served



during the past year on the Committees of Audit, Finance, and Publication, for the valuable assistance they have rendered, in the respective branches of business which have been referred to them.

They would also wish to record the Society's best thanks for the many liberal Donations which the Library and Menagerie has received since the past Anniversary, as evidenced by the long List of Donors to these establishments respectively which have been already read to the Meeting.



PUBLICATIONS  
OF THE  
ZOOLOGICAL SOCIETY OF LONDON.

---

UP to the close of the year 1860, the scientific publications of the Zoological Society were of two kinds—"Proceedings," published in an octavo form, and "Transactions," in quarto. In accordance with a recent change in the By-laws, these two publications were united, at the commencement of the year 1861, under the title "Proceedings of the Scientific Meetings of the Zoological Society of London."

According to the present arrangements, the "Proceedings" contain not only notices of all business transacted at the scientific meetings, but also all the papers read at such meetings and recommended to be published by the Committee of Publication. From thirty to forty coloured plates and engravings are attached to each annual volume of the "Proceedings," to illustrate the new or otherwise remarkable species of animals described in them. Amongst such illustrations, figures of the new or rare species acquired in a living state for the Society's Gardens are often given.

The "Proceedings" for each year are issued in three parts, in the months of May, August, and February, the part published in February completing the volume for the preceding year. They may be obtained with or without the illustrations.

The "Proceedings" without illustrations are delivered to the Fellows of the Society *gratis* on demand. The Fellows are likewise entitled to purchase all the other publications of the Society at a reduction of one-fourth from the price at which they are published, and to receive the Illustrated Proceedings of the Society at a fixed subscription price of 10s. per part, or £1 : 12s. for the annual volume, bound in cloth.

The "Transactions," of which the last part of Vol. IV., completing the series, is now nearly ready for publication, contain such of the more important communications formerly made to the scientific meetings of the Society as, on account of the nature of the plates required to illustrate them, were better adapted for publication in the quarto form. The numerous and elaborate papers of Professor Owen on the Anthropoid Apes, and on the various species of *Dinornis*, all form part of this series.

The following is a complete list of the publications of the Society already issued. They may be obtained at the Society's Office (11, Hanover Square, W.), at Messrs. Longmans' the Society's publishers, or through any bookseller.



Proceedings of the Committee of Science and Correspondence  
of the Zoological Society of London. 8vo. 2 vols.

			To Fellows.	To the Public.
Part I.	1830-31.	1 vol. 8vo.....	Price 4s. 6d.	... 6s.
"	II.	1832. " .....	" 4s. 6d.	... 6s.

Proceedings of the Zoological Society of London. 8vo. 28 vols.

Part			Price to Fellows.	Price to the Public.	Part			Price to Fellows.	Price to the Public.		
I.	1833.	1 vol. 8vo.	4s. 6d.	... 6s.	XVI.	1848.	1 vol. 8vo.	4s. 6d.	... 6s.		
"	II.	1834.	"	4s. 6d.	... 6s.	"	XVII.	1849.	"	4s. 6d.	... 6s.
"	III.	1835.	"	4s. 6d.	... 6s.	"	XVIII.	1850.	"	4s. 6d.	... 6s.
"	IV.	1836.	"	4s. 6d.	... 6s.	"	XIX.	1851.	"	4s. 6d.	... 6s.
"	V.	1837.	"	4s. 6d.	... 6s.	"	XX.	1852.	"	4s. 6d.	... 6s.
"	VI.	1838.	"	4s. 6d.	... 6s.	"	XXI.	1853.	"	4s. 6d.	... 6s.
"	VII.	1839.	"	4s. 6d.	... 6s.	"	XXII.	1854.	"	4s. 6d.	... 6s.
"	VIII.	1840.	"	4s. 6d.	... 6s.	"	XXIII.	1855.	"	4s. 6d.	... 6s.
"	IX.	1841.	"	4s. 6d.	... 6s.	"	XXIV.	1856.	"	4s. 6d.	... 6s.
"	X.	1842.	"	4s. 6d.	... 6s.	"	XXV.	1857.	"	4s. 6d.	... 6s.
"	XI.	1843.	"	4s. 6d.	... 6s.	"	XXVI.	1858.	"	4s. 6d.	... 6s.
"	XII.	1844.	"	4s. 6d.	... 6s.	"	XXVII.	1859.	"	4s. 6d.	... 6s.
"	XIII.	1845.	"	4s. 6d.	... 6s.	"	XXVIII.	1860.	"	4s. 6d.	... 6s.
"	XIV.	1846.	"	4s. 6d.	... 6s.						
"	XV.	1847.	"	4s. 6d.	... 6s.						

Proceedings of the Zoological Society of London, with Illustrations. 8vo. 13 vols.

				To Fellows.	To the Public.
				£ s. d.	£ s. d.
1848,	containing	23 Plates	... ..	Price 1 1 0	... 1 7 6
1849,	"	28 "	... ..	" 1 1 0	... 1 7 6
1850,	"	49 "	... ..	" 1 7 6	... 1 18 0
1851,	"	22 "	... ..	" 0 16 0	... 1 1 0
1852,	"	21 "	... ..	" 0 16 0	... 1 1 0
1853,	"	24 "	... ..	" 0 18 0	... 1 4 0
1854,	"	29 "	... ..	" 1 0 0	... 1 6 0
1855,	"	45 "	... ..	" 1 7 6	... 1 18 0
1856,	"	33 "	... ..	" 1 1 0	... 1 7 6
1857,	"	30 "	... ..	" 1 1 0	... 1 7 6
1858,	"	45 "	... ..	" 1 12 0	... 2 2 0
1859,	"	48 "	... ..	" 1 12 0	... 2 2 0
1860,	"	45 "	... ..	" 1 12 0	... 2 2 0

Transactions of the Zoological Society of London. 4to.  
3 vols. and 6 parts.

				To Fellows.	To the Public.
				£ s. d.	£ s. d.
Vol. I.,	containing	59 Plates	... ..	Price 3 13 6	... 4 18 0
Vol. II.,	"	71 "	... ..	" 4 0 0	... 5 6 6
Vol. III.,	"	63 "	... ..	" 3 8 6	... 4 11 0
Vol. IV.,	Part 1,	8 "	... ..	" 0 9 6	... 0 12 6
	" 2,	17 "	... ..	" 0 18 6	... 1 5 0
	" 3,	5 "	... ..	" 0 6 0	... 0 8 0
	" 4,	12 "	... ..	" 0 18 0	... 1 4 0
	" 5,	11 "	... ..	" 0 18 0	... 1 4 0
	" 6,	10 "	... ..	" 0 18 0	... 1 4 0



REPORT  
OF THE  
AUDITORS OF THE ACCOUNTS  
OF THE  
ZOOLOGICAL SOCIETY OF LONDON,  
*Appointed January 3, 1861.*

---

THE Committee of Auditors have carefully examined the Accounts of the Society for the year ending December 31, 1860, and having inspected the Books and seen Vouchers for all the Payments ordered by the Council during the year, now lay before the Society an Abstract of such Accounts, together with a Statement of the Assets and Liabilities, and their Report thereon.



## RECEIPTS.

				£ s. d.	
Balance of Cash brought from Dec. 31, 1859.....				1,784 4 9	
INCOME.					
Belonging to years		£ s. d.		£ s. d.	
1853	{ Admission Fees .....	5 0 0			
	{ Subscriptions .....	3 0 0			
				8 0 0	
1854	Subscriptions .....			3 0 0	
1855	{ Subscriptions .....	3 0 0			
	{ Admission Fees .....	5 0 0			
	{ Proceedings .....	3 4 0			
				11 4 0	
1856	{ Admission Fees .....	5 0 0			
	{ Subscriptions .....	9 0 0			
	{ Proceedings .....	5 14 0			
				19 14 0	
1857	{ Subscriptions .....	9 0 0			
	{ Proceedings .....	17 7 6			
	{ Transactions .....	0 18 0			
	{ Museum Sales .....	5 15 0			
				33 0 6	
1858	{ Admission Fees .....	10 0 0			
	{ Subscriptions .....	28 0 0			
	{ Proceedings .....	14 14 0			
	{ Transactions .....	1 16 0			
	{ Garden Sales .....	54 9 6			
	{ Museum Sales .....	0 12 0			
				109 11 6	
1859	{ Admission Fees .....	65 0 0			
	{ Subscriptions .....	93 0 0			
	{ Ivory Tickets .....	2 2 0			
	{ Proceedings .....	159 14 11			
	{ Transactions .....	70 12 3			
	{ Garden Sales .....	182 9 6			
	{ Museum Sales .....	60 0 0			
				632 18 8	
1860	{ Admissions to Gardens .....	10,054 16 0			
	{ Rent for Refreshment Room .....	600 0 0			
	{ Garden Sales .....	1050 4 6			
	{ Admission Fees .....	355 0 0			
	{ Compositions .....	840 0 0			
	{ Subscriptions .....	2646 18 0			
	{ Ivory Tickets .....	69 6 0			
	{ Proceedings .....	167 4 0			
	{ Transactions .....	37 9 3			
	{ Museum Sales .....	37 5 0			
{ Dividends .....	174 7 6				
				16,032 10 3	
1861	Subscriptions (anticipated) .....			14 0 0	
INCOME RECEIVED IN 1860 .....				£16,863 18 11	16,863 18 11
					£18,648 3 8



## PAYMENTS.

EXPENDITURE.		Gardens.			Museum.			General Estabt.			Total.		
		£	s.	d.	£	s.	d.	£	s.	d.	£	s.	d.
Belonging to years	1859	Rent, Rates, Taxes, &c. ....	214	16	1	.....	51	14	5	266	10	6	
		Bills.....	1067	15	1	35	13	6	235	4	5	1338	13
Paid on account of the previous year.....		1282	11	2	35	13	6	286	18	10	1605	3	6
1860	}	Rent, Rates, Taxes, &c. ....	604	14	0	.....	170	7	3				
		Salaries, Wages, and Pensions .....	2535	12	3	.....	990	4	4				
		Cost of Animals .....	1100	5	8								
		Carriage of Animals and Keepers' Expenses .....	166	17	4								
		Keepers' Dresses.....	99	8	6								
		Menagerie Expenses .....	1231	2	9								
		Provisions .....	2642	18	5								
		New Buildings and Works connected	1767	17	5								
		Other Works, Repairs, and Materials .....	821	9	1	.....	117	1	0				
		Garden Expenses .....	423	13	6								
		Band Expenses .....	115	16	0								
		Advertisements .....	160	7	0								
		Cost of Medals, &c. ....	8	18	0								
		House and Office Expenses.....	56	15	8	.....	153	13	7				
		Library Expenses .....				170	16	2					
		Stationery and Account Books .....							43	8	8		
		Printing (Miscellaneous).....							96	9	2		
Proceedings, including Printing .....							767	16	11				
Transactions, do. do. ....							84	19	9				
Returned Subscriptions .....							14	0	0				
Paid on account of the current year .....		11,735	15	7	170	16	2	2438	0	8	14,344	12	5
EXPENDITURE PAID IN 1860 .....		13,018	6	9	206	9	8	2724	19	6	15,949	15	11
Paid for £1000 Reduced 3 per Cents, at $94\frac{7}{8}$ .....											950	0	0
Cash at the Banker's, December 31, 1860. {		General Account .....		£1612		0		10					
		Petty Cash Account .....		136		6		11					
										1,748 7 9			
										£ 18,648 3 8			







Particulars of Payments in 1860.

	Belonging to		Total.
	Previous Year.	Current Year.	
Rent, Rates, Taxes, &c. :—	£ s. d.	£ s. d.	£ s. d.
Gardens .....	214 16 1	604 14 0	} 1,041 11 9
General Establishment .....	51 14 5	170 7 3	
Salaries, Wages, Pensions, &c. :—			
Gardens .....		2,535 12 3	} 3,525 16 7
General Establishment .....		990 4 4	
Cost of Animals .....		1,100 5 8	1,100 5 8
Carriage of Animals and Keepers' Expenses :—			
Freight, Dock Charges, and Gratuities, £15 10s. 5d.; Carriage and Keepers' expenses, £151 6s. 11d. ....		166 17 4	166 17 4
Provisions .....	185 1 3	2,642 18 5	2,827 19 8
Menagerie Expenses :—			
Straw, £35; Coals and Coke, £63 7s.; Drugs, £6 8s. 10d.; Police, £50 1s. 6d.; Water Supply, £42 7s. 11d.; Miscellaneous, £9 8s. ....	206 13 3		} 1,437 16 0
Straw, £423 9s. 6d.; Wages, £339 17s. 2d.; Coals and Coke, £116 16s.; Coals for Engine, £92 2s.; Water Supply, £25; Mops and Brooms, £21 7s.; Bird Sand, £14 8s.; Shoeing, £11 11s. ....		1,044 10 8	
Sawdust, £15 15s.; Labels, £12 19s. 5d.; Gas Supply, £5 15s.; Police, £4 13s.; Oil, Soap, and Candles, £13 2s. 7d.; Weighing Machine, £7 4s.; New Cover to Houdah, £10; Spring-cart, £17; Miscellaneous, £100 3s. 1d. ....		186 12 1	} 99 8 6
Keepers' Dresses .....		99 8 6	
Works, Materials, Repairs, &c. :—			
Gardens.—Materials, &c. ....	56 6 2		} 994 16 3
Materials, &c., £504 15s.; Wages, £316 14s. 1d. ....		821 9 1	
Hanover Square.—Painting, &c. inside of the House .....		117 1 0	} 2,381 5 0
New Buildings and Works connected .....	613 7 7	1,767 17 5	
Garden Expenses :—			
Wages, £375 4s. 6d.; Peat and Loam, £16 16s.; Plants, £6 16s. 6d.; Brooms, £3 12s.; Tablets, £4 16s.; Miscellaneous, £16 8s. 6d. ....		423 13 6	423 13 6
House and Office Expenses :—			
Gardens.—Gas supply .....	1 19 6		} 224 19 0
Gas, £9 12s. 3d.; Soap and Candles, £5 13s. 6d.; Keepers' Washing, £6 0s. 6d.; Medical attendance on Keepers, £20; Subscription to North London Hospital, £5 5s.; Miscellaneous, £10 4s. 5d. ....		56 15 8	
Hanover Square.—Gas, £3 8s. 7d.; Miscellaneous, £9 1s. 8d. ....	12 10 3		} 47 11 2
Gas and Fittings, £9 19s. 3d.; Coals and Wood, £20 1s.; Brooms and Mats, £2 5s. 9d.; Tea, Coffee, &c., at Evening Meetings, £9 13s. 10d.; Oil Cloth for Kitchen, £5 11s. 4d. ....		47 11 2	
Newspapers, £6 6s. 9d.; Posting Reports and Balloting Papers, £11 10s. 7d.; other Postages and Stamps, £36 18s. 3d.; Miscellaneous, £51 6s. 10d. ....		106 2 5	} 115 16 0
Band Expenses :—		115 16 0	
Music, £105; Programmes, £10 16s. ....		160 7 0	160 7 0
Advertisements .....			
Library Expenses :—			
New Books, £27 11s.; Binding, £6 11s. ....	34 2 6		} 204 18 8
New Books, £65 1s. 3d.; Binding, £39 7s. 8d.; Water-Colour Drawings and Mounting, £26 9s.; Stand for Drawings, £5 5s.; Portfolio, £1 11s.; New Book-shelves and Alterations, £33 2s. 3d. ....		170 16 2	
Stationery and Account Books .....	7 9 6	43 8 8	50 18 2
Printing (Miscellaneous) .....	50 10 8	96 9 2	146 19 10
Transactions :—			
Letterpress and Paper, £38 5s. 6d.; Printing Plates and Paper, £13 10s. ....	51 15 6		} 136 15 3
Drawings, £39; Colouring, £44 5s. 3d.; Binding, £1 14s. 6d. ....		84 19 9	
Proceedings :—			
Letterpress, £93 17s. 6d.; Printing Plates, £6 8s.; Drawings, £9 13s.; Colouring, £3 .....	112 18 6		} 880 15 5
Letterpress and Paper, £263 19s.; Plates and Paper, £81 2s. 5d.; Drawings, £140 11s.; Colouring, £221 14s. 5d.; Binding, £53 10s. 1d.; Preparing Index, £7 .....		767 16 11	
Museum Expenses .....	1 11 0		1 11 0
Law Expenses .....	4 7 4		4 7 4
Returned Subscriptions .....		14 0 0	14 0 0
Cost of Medals .....		8 18 0	8 18 0
	1605 3 6	14,344 12 5	15,949 15 11
Ordinary Payments .....	968 10 5	11,981 19 7	12,950 10 6
Extraordinary Payments .....	636 13 1	2,362 12 10	2,999 5 11
	1605 3 6	14,344 12 5	15,949 15 11







*Comparison of Payments in 1859 and 1860.*

PAYMENTS.										
	Expenditure of						Increase.	Decrease.		
	1859.			1860.						
	£	s.	d.	£	s.	d.	£	s.	d.	
Arrears of previous year .....	846	10	2	1,605	3	6	758	13	4	
Rent, Rates, Taxes, &c.....	693	3	0	775	1	3	81	18	3	
Salaries, Wages, Pensions, &c.	3,944	10	9	3,525	16	7	.....	418	14	2
Cost of Animals.....	617	11	9	1,100	5	8	482	13	11	
Carriage of ditto and Keepers' Expenses .....	349	9	11	166	17	4	.....	182	12	7
Provisions .....	2,501	2	7	2,642	18	5	141	15	10	
Menagerie Expenses .....	1,159	0	6	1,231	2	9	72	2	3	
Keepers' Dresses .....	101	16	5	99	8	6	.....	2	7	11
New Buildings and Works connected .....	1,166	9	4	1,767	17	5	601	8	1	
Other Works, Materials, &c....	867	7	5	938	10	1	71	2	8	
Garden Expenses .....	546	5	6	423	13	6	.....	122	12	0
Band Expenses .....	199	10	0	115	16	0	.....	83	14	0
Cost of Medals .....	36	1	0	8	18	0	.....	27	3	0
Advertisements .....	138	14	0	160	7	0	21	13	0	
House and Office Expenses ...	258	19	1	210	9	3	.....	48	9	10
Library Expenses .....	82	12	0	170	16	2	88	4	2	
Stationery and Account Books	27	19	8	43	8	8	15	9	0	
Printing (Miscellaneous) .....	78	12	4	96	9	2	17	16	10	
Proceedings, including Printing .....	601	4	5	767	16	11	166	12	6	
Transactions .....	125	14	4	84	19	9	.....	40	14	7
Returned Subscriptions .....	3	0	0	14	0	0	11	0	0	
	14,345	14	2	15,949	15	11	2,530	9	10	
Increase.....	1,604	1	9	.....	.....	.....	926	8	1	
	15,949	15	11	15,949	15	11	1,604	1	9	
Ordinary Expenditure .....	12,328	19	1	12,950	10	0	621	10	11	
Extraordinary ditto .....	2,016	15	1	2,999	5	11	982	10	10	
	14,345	14	2	15,949	15	11	1,604	1	9	



In concluding their Report, your Committee beg to express their satisfaction with the Accountant, Mr. Leigh, and to render their thanks to him for the admirably clear and accurate manner in which the accounts have been placed before them.

EDW. GREENAWAY.  
 SAMUEL OXENHAM.  
 WILLIAM MARTYN.  
 E. C. TAYLOR.  
 OSBERT SALVIN.  
 EDWARD JOHNSTONE.  
 RICHARD H. S. VYVYAN.

11 *Hanover Square,*  
*February 28, 1861.*