

REPORT
OF THE
COUNCIL
OF THE
ZOOLOGICAL SOCIETY
OF LONDON,

READ AT THE ANNUAL GENERAL MEETING,

APRIL 29TH, 1863.

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1863.

REPORT OF THE COUNCIL.

April 29, 1863.

IN accordance with the provisions of the Charter, the Council have now the pleasure of submitting to the Society their Thirty-fourth Annual Report, which, in conformity with former precedents, they divide into three heads, the first relating to the general affairs of the Society, the second to the operations carried on at the Office in Hanover Square, and the last to the state of the Gardens and Menagerie 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 1744. Of these there are—

Compounders, paying £20	195
Ditto ditto £30	330
Paying annual contributions of £2	250
Ditto ditto £3	742
Dormant	140
Admission-fees unpaid	30
Ditto remitted	12
Annual Subscribers, paying £3	45
	<hr/>
	1744

The number of Fellows elected since the last Anniversary has been 94; of Annual Subscribers 9; and five Fellows have been re-admitted under the provisions of the By-Laws, Chap. 1, Sect. 9.

The number of Deaths during the same period has been 37; the number of Resignations has been 27.

The number of Candidates for admission is 18.

2. FOREIGN AND CORRESPONDING MEMBERS.

Two Foreign Members have been elected since the last Anniversary, namely, Professor Albert Kölliker, of Würzburg, and Senhor J. V. Barbosa du Bocage, Director of the Zoological Section of the National Museum of Lisbon.

The list of Corresponding Members has been increased during the same period by the names of the following ten gentlemen, all of whom take great interest in the Society, and are capable of affording material assistance to its progress.

His Excellency Philip Edmond Wodehouse, C.B., Governor of the Cape Colony.

Arthur Grote, Esq., President of the Royal Asiatic Society, Calcutta.

Major Henley T. Bartlett, Bengal Staff Corps.

Col. Arthur P. Phayre, Commissioner of Pegu.

William Harper Pease, Esq., of the Sandwich Islands.

Dr. David Walker, of the 'Fox' Arctic exploring-vessel.

Edward Greey, Esq., of the Royal West Indian Mail Company's Service.

Robert Swift, Esq., of St. Thomas, West Indies.

Edward William Goodlake, Esq., of the Falkland Islands.

Dr. A. E. Brehm, Director of the Zoological Gardens, Hamburg.

3. INCOME.

As regards the finances of the Society, the Council have great satisfaction in stating that the anticipation they expressed at the close of their last Report, of being able to announce a very favourable state of affairs on the present occasion, has been more than verified by the results of the past year. The total Income of the Society for 1862 reached the sum of £27,397 5s. 6d., being the largest amount ever yet received by the Society during any one of the thirty-six years of its existence. In the year of the Great Exhibition, 1851, the total Income was £26,453. The year of the International Exhibition has, therefore,

resulted more advantageously to the Society's finances than that of the Great Exhibition, by the sum of £944. The annual Income of the Society during the three previous years, 1859, 1860, 1861, has averaged rather more than £16,000, so that the Income of 1862 has exceeded the average of the three previous years by upwards of £11,000.

As might have been expected, the principal head under which this large addition to the Society's ordinary Income has been received is that of Garden Receipts.

The sum realized by the admission of the public to the Gardens of the Society during the year 1862 was £20,707 16s., being nearly £11,000 more than in the previous year. It may be observed that this falls short of the amount received in the same way in 1851, when the corresponding sum was £22,248. But the number of visitors to the Gardens in 1862 was greater than in 1851, though the money taken at the gates was less, the reason of this being (as will be seen by the following tables, which give the results of the comparison of these two years), mainly, the decrease in 1862 of the number of visitors paying 1s., and the increase in the number of privileged persons and of visitors paying 6d., together with the addition of charity-children in 1862—the practice of recording the number of school-children admitted gratis to the Gardens not having commenced in 1851.

Comparative Table of the numbers of Visitors to the Gardens in 1851 and 1862.

	1851.	1862.	Comparison with 1851.	
			Increase.	Decrease.
Fellows and Friends	79,022	84,049	5,027	.....
Paying—Ordinary days at 1s.	301,706	242,730	.....	58,976
" Mondays, &c. at 6d.	245,801	306,197	60,396	.....
" Children at 6d.	40,714	36,655	.....	4,059
Charity-children .....	.....	12,574	12,574	.....
	667,243	682,205	77,997	63,035
			63,035	.....
Increase in favour of 1862			14,962	

Comparative Table of Receipts from Admissions to the Gardens in 1851 and 1862.

	1851.		1862.		Increase.		Decrease.	
	£	s. d.	£	s. d.	£	s. d.	£	s. d.
Ordinary days at 1s.	15,085	6 0	12,136	10 0	.....		2,948	16 0
Mondays, &c. at 6d.	6,145	0 6	7,654	18 6	1,509	18 0	.....
Children at 6d. ...	1,017	17 0	916	7 6	.....		101	9 6
	22,248	3 6	20,707	16 0	1,509	18 0	3,050	5 6
	20,707	16 0					1,509	18 0
Increase in favour of 1851.....	1,540	7 6	.....		.....		1,540	7 6

While the greater part of the Society's increased receipts during the past year is thus to be attributed to the extraordinary circumstances caused by the International Exhibition, it is satisfactory, on comparison of the receipts in 1861 and 1862, to observe an augmentation of several other heads of income. Amongst these may be particularly noticed the large sum of £900, received from Fellows who have paid the composition-fee in lieu of annual subscriptions, and thus testified that the interest they take in the Society is likely to be continuous. The amount received in 1861 under the same head was £450.

The cash-surplus carried forward to the Society's credit from the year 1861 was £846 5s. This sum added to the amount of Income received during the year gave the total sum of £28,243 10s. 6d. available for the expenditure of the year 1862.

4. EXPENDITURE.

This sum of £28,243 10s. 6d. was disposed of in the following way. The sum of £18,713 10s. 3d. was required to meet the ordinary and extraordinary charges paid during the year, including the sum of £1737 6s. 7d., which was the amount of the arrears of 1861 unpaid on the 1st of January, 1862. The sum of £7410 was invested in the purchase of £8000 3 per cent. Reduced Stock, thus raising the total of the Society's reserve-fund at the close of the year 1862 to the amount of £14,000 Reduced 3 per cents. There was therefore left to the credit of the Society, on the termination of the year, a cash-balance of £2120 0s. 3d., in their banker's hands. It will be observed that the receipts exceeded the expenditure of the year 1862 to the amount of £8683.

The ordinary expenditure of the year 1862 amounted to £14,699 8s. 7*d.*, every item necessary to keep the Society's establishment in a perfect state of efficiency having been placed under this head. The corresponding amount for 1861 was £13,197 15s. 2*d.* The increase on the ordinary expenditure of the year, though large, is mainly attributable to the considerable augmentation that has taken place in the Society's Menagerie, and in particular to the greater number of larger animals (such as Elands, Giraffes, Oxen of different species, and of the large Carnivora) exhibited in the Gardens, which not only increase the general cost of maintenance, but require a corresponding addition to other expenses connected with the Menagerie.

The extraordinary expenditure of the Society incurred during the year 1862 amounted to £3644 8s. 4*d.*, and may be divided into six heads, namely—

	£	s.	d.
1. Publications	121	9	5
2. Library	109	4	6
3. Buildings in the Gardens .	2172	1	3
4. Menagerie	962	19	2
5. Advertisements	15	14	0
6. Gratuities	263	0	0
	<hr/>		
	3644	8	4

The extraordinary expenses connected with the Publications, the Library, the Buildings in the Gardens, and the Menagerie will all be explained in the several portions of the Report connected with these subjects respectively. It may suffice to say generally, that the extraordinary circumstances of the year seemed to justify extra expenditure under each of these heads, as well as the slight increase of the sum devoted to advertisements. With regard to the final item of the extraordinary expenditure (that of gratuities), it appeared to the Council that, looking to the additional labour cast upon the Society's establishment by the extraordinary number of visitors to the Gardens, and to the precedent established in 1851 (when the same course was pursued), there seemed every reason to justify the employment of a portion of the large additional receipts in recompensing the Society's servants for the extra duties they were called upon to perform. In accordance with these views, therefore, the sum of £263 was distributed

amongst the members of the Society's establishment at the office and in the Gardens at the close of the past year, in amounts varying from £2 to £20; each individual's case having been separately considered, both as regards the length of his service in the Society's establishment and the amount of additional work cast upon him during the year.

As regards the present year, the Council may briefly state that, since the 1st of January, the additional sum of £1000 3 per cent. Reduced has been added to the Investment-fund, which now amounts altogether to the sum of £15,000 Stock. They anticipate, however, that at least half this sum will be required to meet contracts which they have entered into with Messrs. Lucas for the building of three new Entrance-lodges, a new Monkey-house, and a new Aviary,—it having appeared to the Council that, though many deficiencies existed in the Society's Garden-establishment, these were the buildings which most urgently needed renewal.

5. ASSETS AND LIABILITIES.

The Cash Assets of the Society on the 31st of December 1862 amounted, as has been already stated, to—

	£	s.	d.
Cash at the Banker's	2,120	0	3
Cost of £14,000 Reduced 3 per Cents.	12,923	19	10
	<u>15,044</u>	<u>0</u>	<u>1</u>

The sums due to the Society for arrears on the 31st of December 1862 were estimated as follows:—

	£	s.	d.
Annual Subscriptions	346	0	0
Ivory Tickets	14	14	0
Transactions	67	12	6
Proceedings	277	1	1
Garden Sales	273	16	1
	<u>979</u>	<u>3</u>	<u>8</u>

Making a Total Balance in favour of the

Society of £16,023 3 9
without taking into account the value of the Society's collection of living animals, which cannot be estimated at less than £20,000.

The Liabilities at the same period were esti-

mated at 1,345 15 0

Leaving a Balance in favour of the Society of 14,677 8 9

II. OFFICE, 11 HANOVER SQUARE.

I. PUBLICATIONS.

The Proceedings of the Scientific Meetings of the Society, both with and without Illustrations, have been regularly issued since the last Anniversary. The three parts for 1862 united together form a volume of nearly 400 pages, illustrated by forty-six Plates, chiefly of new and interesting animals described for the first time at the Scientific Meetings of the Society held during the year.

The first part of the Proceedings of the Scientific Meetings of the Society for the present year, containing the communications made to the meetings held during the months of January, February, and March, is likewise published.

Of the "Transactions" three parts have been issued since the last Anniversary.

The second section of Part VII. of Volume IV. contains papers by Dr. Sclater on the Struthious Birds living in the Society's Menagerie, and by Mr. Gurney on *Aquila desmursii*, both illustrated by Mr. Wolf, together with the Index and Title-page for Volume IV. The first part of Volume V. contains the seventh of Professor Owen's series of essays on the Osteology of the Anthropoid Apes, treating especially of the general characters of the skeleton of the Gorilla. The second part of the same volume contains Professor Owen's Monograph on the Aye-aye. Both these important Memoirs are illustrated by elaborate Plates prepared, under the author's superintendence, by Mr. Erxleben. The expenses of the two latter parts of "Transactions," which amount, so far as they have been met within the year 1862, to £60 10s., being beyond the ordinary expenditure of the year, have been charged to extraordinary expenses, and form part of the sum of £121 9s. 5d. previously alluded to.

In accordance with the recommendation of the Committee of Publication, the Council have recently determined upon supplying to the Fellows and Foreign and Corresponding Members the whole of the publications (both "Proceedings" and "Transactions") issued for each year, at a subscription price of £1 1s. per annum, provided such subscription be paid before the Anniversary Meeting of the year. At the same time they have thought it advisable, looking to the somewhat increased expense that the

Society may be put to under this new regulation, to recommend the abrogation of the By-Law which entitles Fellows of the Society to claim copies of the letter-press of the "Proceedings" without payment.

The classified List of Animals living in the Society's Gardens, mentioned in the last Report as being in preparation, was issued shortly after the last Anniversary. It has been found of very great use, as establishing a convenient book of reference for naming the animals in the Society's Menagerie, and likewise as a guide to the Society's numerous correspondents who are desirous of supplying desiderata to the collection.

The cost of preparing this list amounted to £50 19s. 5d., which has been likewise charged to the extraordinary expenses of the past year. A second edition of this list, giving the exact state of the Society's Menagerie at the present time, is now in preparation, and will shortly be ready for issue. To this it is intended to add an appendix, containing a complete list of all the Mammals and Birds which have been exhibited alive in the Society's Gardens since their institution in 1825.

The issue of the Index to the "Proceedings" from 1848 to 1860 has been delayed by the slow progress of the volume through the press; but arrangements have now been made for its completion within a few weeks. It will be noticed that the sum of £10 on account of this Index has been charged under the head of extraordinary expenses incurred in 1862.

2. LIBRARY.

The greater part of the foreign periodicals in the Society's Library having been bound up, and the sets completed, as announced in the last Report, the Council thought it would be desirable to purchase certain standard books on zoology which had long been wanted for reference, and without which it is impossible that the many scarce and interesting animals which are continually added to the Society's Menagerie can be correctly determined. The total sum expended in this way was £145, of which £109 4s. 6d., being the amount of excess over the ordinary expenditure under this head, forms part of the extraordinary expenses for the year 1862.

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 Royal Society of Literature.
- 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 Imperial Academy of Sciences of Vienna.
- The Royal Academy of Arts of Berlin.
- The Museum of Natural History, Paris.
- The Hungarian Academy of Sciences, Pesth.
- The Royal Academy of Sciences, Amsterdam.
- The Royal Museum, Leyden.
- The Imperial Academy of Arts and Sciences, Munich.
- The University of Basle.
- The Imperial German Academy of Naturalists, Jena.
- The Society of Arts and Sciences of Batavia.
- The Royal Academy of Sciences of Göttingen.
- The Royal Academy of Sciences of Stockholm.
- The Zoological Society, Amsterdam.

Memoirs, 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 Royal United Service Institution.
- 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 Zoological Gardens, Frankfort.
 The Royal Academy of Sciences, Madrid.
 The Acclimatization Society of Sicily.
 The Royal Asiatic Society, Bombay Branch.
 The Royal Society of Edinburgh.
 The Acclimatization Society of Victoria.
 The Royal Horticultural Society.
 The Society of Natural Sciences, Lausanne.
 The University of New York.
 The Society of Natural Sciences, Strasbourg.
 The Royal College of Surgeons.
 The Literary and Philosophical Society of Manchester.
 The Entomological Society of Russia.
 The Natural History Society of Bonn.
 The Imperial Society of Emulation, Abbeville.
 The Royal Academy of Belgium.
 The Natural History Society of Neuchatel.
 The Academy of Sciences, Turin.
 The Natural History Society of Hamburg.
 The Plymouth Institution and Devon and Cornwall
 Natural History Society.
 The Berwickshire Naturalists' Club.
 The Imperial Academy of Arts and Sciences, Königsberg.
 Dutch Society of Sciences, Haarlem.
 The State of Arkansas, U.S.A.
 The Natural History Society of Frankfort-on-Main.
 The Royal Society of Arts and Sciences, Mauritius.
 The American Journal of Science and Art (New Haven,
 Conn.).
 The Imperial Society of Acclimatation, Paris.
 The Society of Naturalists, Bogota.
 The Cooper Union, New York.
 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, U.S.A.
 The Franklin Institute.

Donations have also been received from The Secretary at
 War, Washington, U.S.A.; The Commissioner of Patents,
 Washington, U.S.; Dr. F. H. Troschel, For. Mem.; Pro-
 fessor Duméril, For. Mem.; A. Russell, Esq., M.P., F.Z.S.;

Signor J. J. Bianconi; Art-Union of London; New York State Library; C. D. Tanqueray Williaume, Esq.; W. Thompson, Esq.; Mr. R. Ridgley; Dr. Babington; Isaac Lea, LL.D.; Rev. L. Jenyns; Dr. Anton Fritsch; Mons. F. J. Pictet; Professor Owen; Thomas Bland, Esq.; A. Newton, Esq.; Dr. Holford; G. W. Francis, Esq.; John Hogg, Esq.; Professor J. C. Schiodte; Dr. James Hunt, F.R.S.; the Editor of the 'Canadian Naturalist and Geologist,' Montreal; the Editor of the 'Athenæum'; the Editor of the 'Parthenon'; the Editor of the 'London Review'; and the Editor of the 'Pharmaceutical Journal.'

III. GARDENS, REGENT'S PARK.

1. BUILDINGS AND WORKS.

The numerous buildings in the Society's Gardens have been kept in an efficient state of repair, since the last Anniversary, at a cost of £1029 8s. 11*d.*, being a reduction of £119 19s. 8*d.* on the amount spent in a similar way during the previous year. This includes the payment of the Society's ordinary staff of labourers, and the cost of all the materials employed by them upon repairs. The following new works and buildings were also executed, partly under contract, and partly by extra workmen added for that purpose to the Society's staff, to the amount of £2172 1s. 3*d.*

	£	s.	d.
Refreshment Room and fittings thereto . . .	382	0	3
Refreshment Stall in North Garden and Paths adjoining	226	16	1
New Pheasantry and Path adjoining	273	15	6
New Tell-tale Gate and House	57	10	0
Warming apparatus in Antelope House and Carnivora Dens	293	0	6
Iron fence for yards of the Antelope House .	105	10	1
New Sheep Sheds and Fences	262	7	7
New Kangaroo Sheds and Wall adjoining . .	64	16	11
New Deer and Antelope Sheds	41	18	10
New Building for hardy Mammals	272	6	10
New Stove in the Small Mammals' House	£7	10	0
New Wire-work at Beaver's Pond	11	5	7
New Pond in Crane Paddock	10	19	1
New Platform at Hippopotamus Pond	16	10	5

New rat-proof fence at Duck Ponds	36	8	5	
New Drain near Wapiti House	7	14	10	
New Canvas for Fish House	5	16	2	
New Garden Pit	1	19	8	
				98 4 2
Gravel for restoring Paths throughout the Gardens				93 14 6
				£2172 1 3

With regard to the two first of these items, the Council have explained in their last Report the circumstances under which it appeared that an increase of the accommodation for the supply of refreshments to visitors to the Gardens was requisite. The completion of the new refreshment-room, placed at the back of the former building, together with the cellars and kitchen adjoining, and the necessary fittings thereto, required the sum of £382 0s. 3d. The erection of a new refreshment-stall in the vacant space opposite the Parrot House in the North Gardens, and the consequent alterations of the adjoining paths and banks, were effected for the sum of £226 16s. 1d.

The construction of a new Pheasantry at the west corner of the paddock in the South Gardens, and of the new broad walk between it and the Three-island Pond, were carried out by the Society's workmen at a total cost of £273 16s. It may be stated that the new Pheasantry has proved very successful in the object for which it was designed—that of enabling the young Himalayan Pheasants to be reared on fresh ground, and in the consequent decrease of mortality amongst the young birds.

The large increase in the number of visitors using the entrance to the Gardens from the Broad walk rendered it necessary to open an additional entrance-gate on this side, and to construct a second money-taker's lodge. These works were carried out for the Society by Messrs. Bramah and Messrs. Lucas at a cost of £57 10s.

The warming apparatus for the new Antelope House and the Carnivora-dens (which was constructed by Messrs. Weeks in the autumn of 1861), having been found to answer very satisfactorily after several months' usage, was paid for out of the income of 1862, to the amount of £293 0s. 6d., while the sum of £105 10s. 1d. was spent on the iron fence of the yards on the south side of the new Antelope House,

which by a small additional expenditure during the past winter have now been rendered quite complete.

The want of proper accommodation for the fine specimens of different species of Wild Sheep possessed by the Society has long been felt. Some of these animals have been until recently kept in small pens in a very confined situation opposite the Old Museum. In the spring of last year the Council determined upon removing them to a vacant space next to the new walk in the South paddock, where good substantial sheds and yards, surrounded by a strong oak fence, have been erected for their accommodation, at a cost of £262 7s. 7d. The old sheds occupied by the Wild Sheep have since been removed, and a substantial brick-built building erected in its place, where the Society's series of the interesting Australian family of Kangaroos and other Marsupials may be arranged with greatly increased accommodation. The amount expended on the new Kangaroo-sheds and the adjoining wall during the past year was £64 16s. 11d., whilst the whole of the remaining cost of this great improvement to be charged against the expenditure of the present year is estimated not to be likely to exceed £140.

The cost of completing the rebuilding in brick of the front row of the Antelope Sheds near the Hippopotamus House amounted to £41 18s. 10d.

In the autumn of the past year a new building for hardy Mammals, to replace the unsightly boxes in which many of these animals had been formerly kept, was erected for the Society under contract with Messrs. Lucas for the sum of £257; and the further amount of £15 6s. 10d. was expended in the necessary alterations of the paths, and in a wall erected at the back of the new building.

Various other additions to the buildings and smaller works in the Society's Garden, the particulars of which have been given in the general summary just read, amounted in the whole to £98 4s. 2d., and together with the item of £93 14s. 6d., being the expenditure incurred in regravelling the walks after the extra usage to which they were subjected during the summer, make up the sum of £2172 1s. 3d., which is, as has been already stated, the total amount of extraordinary expenditure incurred in the Society's Garden Establishment during the year 1862.

2. MENAGERIE.

The Society's Menagerie has received many important additions since the last Anniversary Meeting of the Society, and the number of animals of every description, particularly that of the larger mammals, has been considerably augmented. The usual census taken at the end of the year 1862 showed a total increase of 334 in the number of specimens of Mammals, Birds, and Reptiles exhibited, as compared with the corresponding number on the 31st of December 1861, as the following Table will show:—

	December 31,		Increase.
	1861.	1862.	
Quadrupeds	450	485	35
Birds	843	1,114	271
Reptiles	121	149	28
	1,414	1,748	334

The following species of animals added to the Society's collection between April 1st, 1862, and April 1st, 1863, were new to the Menagerie.

LIST OF SPECIES EXHIBITED FOR THE FIRST TIME IN THE SOCIETY'S GARDENS BETWEEN APRIL 1ST, 1862, AND APRIL 1ST, 1863.

MAMMALS.

1. Indian Ratel (*Ratelus indicus*).
2. Swinhoe's Deer (*Cervus swinhoii*).
3. Demidoff's Galago (*Galago demidoffi*).
4. Aye-aye (*Chiromys madagascariensis*).
5. Dorsal Squirrel (*Sciurus dorsalis*).
6. Formosan Monkey (*Macacus cyclopis*).
7. Java Squirrel (*Sciurus plantani*).
8. Saki Monkey (*Pithecia monachus*).
9. Hairy-nosed Wombat (*Phascolomys lasiorhinus*).
10. Cretan Goat (*Capra beden*).
11. Syrian Wild Cat (*Felis maniculata*).
12. Andaman Wild Boar (*Sus andamensis*).
13. Fat Dormouse (*Myoxus glis*).
14. Australian Hapalote (*Hapalotis mitchellii*).

BIRDS.

1. American Crow (*Corvus americanus*).
2. American Raven (*Corvus carnivorus*).
3. Modest Finch (*Amadina modesta*).
4. Indian Pastor (*Pastor malabaricus*).
5. Pied Grallina (*Grallina australis*).
6. Crowned Eagle (*Harpyhaliaëtus coronatus*).
7. Spotted-breasted Crested Eagle (*Spizaëtus zonurus*).
8. Blue-eyed Cockatoo (*Cacatua ducorpsii*).
9. Masked Parrot (*Pyrrhulopsis personata*).
10. Samoan Fruit-Pigeon (*Carpophaga microcera*).
11. Banded Fruit-Pigeon (*Ptilopus fasciatus*).
12. Horned Tragopan (*Cerionis satyra*).
13. Pucras Pheasant (*Pucrasia macrolopha*).
14. Kagu (*Rhinochetus jubatus*).
15. Australian Shieldrake (*Casarca tadornoides*).
16. Australian Gallinule (*Gallinula tenebrosa*).

REPTILES.

1. Bennett's Water-Tortoise (*Emys bennettii*).
2. Ocellated Skink (*Tropidolepisma majus*).
3. Smooth Snake (*Coronella lævis*).
4. Æsculapian Snake (*Coluber æsculapii*).
5. Four-rayed Snake (*Coluber quaterradiatus*).
6. Dark-green Snake (*Zamenis atrovirens*).

FISHES.

1. Ceylonese Dace (*Leuciscus*, sp.?).
2. American Cat-fish (*Pimelodus catus*).
3. Ceylonese Osphronemus (*Osphronemus trichopterus*).

The total expenditure in the purchase of new animals, and on their freight and carriage, during the year 1862 was £2181 1s. 6d., being more than double the sum usually spent in this manner; but many valuable additions were thereby secured to the Society's Menagerie. The sum of £962 19s. 2d. represents the extraordinary expenditure incurred under the present head during the past year, and consists of the following items. The sum of £381 12s. 6d. was devoted to the purchase of the Paradise birds and to the alterations effected in the gallery of the

old Museum building in order to render it suitable for their accommodation. The costs incurred by the Society's collector in South Africa, his salary, and the freight of the animals brought home by him, amounted together to £563 15s. 1d.; and the sum of £17 11s. 7d. has been devoted to the purchase of some young Red Deer intended for shipment to New Zealand for His Excellency Sir George Grey, who is endeavouring to introduce these and other useful animals into that colony. With regard to the Paradise-birds, the Council have great satisfaction in stating that these attractive birds remain in perfect health. In the past summer it was thought advisable to remove them from the room originally fitted up for them in the Old Museum building, and to place them in a more airy though very sheltered situation in the New Aviary. Here they have done well throughout the winter, and are now throwing off their ornamental plumes and replacing them by new feathers. The room originally fitted up for their accommodation has not, however, been suffered to remain empty, but, having been devoted to the reception of Spider-monkeys and others of the more delicate Quadrumana, has proved a great source of attraction to the public.

The most remarkable mammal added to the Society's collection since the last Anniversary is certainly the Aye-aye of Madagascar (*Chiromys madagascariensis*). The Aye-aye was, until very recently, only known to naturalists from two specimens in the Paris collection. The first perfect example reached the British Museum in spirits about two years ago, and formed the basis for the Monograph of this animal by Professor Owen recently published in the Society's "Transactions." On the 12th of August last a fine living female of the Aye-aye reached the Society's Gardens in safety, having been most liberally presented to the Menagerie by Edward Mellish, Esq., of the Mauritius, and still remains in good health in our Gardens.

Amongst other interesting novelties in the list of animals exhibited for the first time, particular attention should be called to the Japanese Bears, the Horned Tragopan Pheasants, and the Kagu. For the last-named bird, an inhabitant of New Caledonia, so little known as to have only just received a scientific appellation, the Society are indebted to one of their own body, Dr. George Bennett, of Sydney, to whom, in recognition of his many valuable

donations to the Society's Menagerie, the Council have presented the Society's Silver Medal.

The Himalayan Pheasants imported by the Society in 1857 all bred again in the Gardens during the past summer, and their produce was disposed of among the Members and Correspondents of the Society. The following Table shows the number of birds raised in each successive year since their introduction:—

	1858.	1859.	1860.	1861.	1862.
Black-backed Kaleege	61	16	14	11	36
White-crested Kaleege	5	9	12	18	15
Purple Kaleege	17	7	8	15	14
Cheer	25	15	7	3	2
Impeyan	8	3	4	7	2
	116	50	45	54	69

The space in the Society's grounds being so limited, the Council have resolved to dispose of the eggs of the three species of Kaleege laid during the present season, and to breed upon the premises only the Cheer and the Impeyans, with which they have not hitherto succeeded so well, together with the Japanese Pheasant and the Tragopan, of both of which species pairs have lately been obtained for the first time.

The general state of good health of the animals in the Society's Gardens cannot be better evidenced than by the following list of 26 species of Mammals, 29 of Birds, and 1 Reptile, which have been bred in them during the past year.

LIST OF SPECIES WHICH HAVE BRED IN THE GARDENS OF THE ZOÓLOGICAL SOCIETY BETWEEN THE 1ST OF APRIL 1862 AND THE 1ST OF APRIL 1863.

MAMMALS.

1. Arabian Baboon (*Cynocephalus hamadryas*).
2. Wolf (*Canis lupus*).
3. Silver Fox (*Canis argentatus*).
4. African Civet Cat (*Viverra civetta*).
5. Lion (*Felis leo*).
6. Tiger (*Felis tigris*).
7. Leopard (*Felis leopardus*).

8. Puma (*Felis concolor*).
9. Polar Bear (*Thalassarctos maritimus*).
10. Wapiti Deer (*Cervus canadensis*).
11. Persian Deer (*Cervus wallichii*).
12. Japanese Deer (*Cervus sika*).
13. Sambur Deer (*Cervus aristotelis*).
14. Rusa Deer (*Cervus rusa*).
15. Hog Deer (*Cervus porcinus*).
16. Alpaca (*Auchenia pacos*).
17. Punjab Wild Sheep (*Ovis cycloceros*).
18. Aoudad (*Ovis tragelaphus*).
19. Eland (*Oreas canna*).
20. Yak (*Bos grunniens*).
21. Zebu (*Bos indicus*).
22. Collared Peccary (*Dicotyles tajacu*).
23. Hyrax (*Hyrax capensis*).
24. Golden Agouti (*Dasyprocta aguti*).
25. Australian Hapalote (*Hapalotis mitchellii*).
26. Vulpine Opossum (*Phalangista vulpina*).

BIRDS.

1. Undulated Grass Parrakeet (*Melopsittacus undulatus*).
2. Turquoise Parrakeet (*Euphema pulchella*).
3. Rufous-necked Weaver Bird (*Hyphantornis textor*).
4. Naked-eyed Pigeon (*Columba gymnophthalma*).
5. Cambayan Turtle Dove (*Turtur senegalensis*).
6. Red Ground-Dove (*Geotrygon montana*).
7. Bronze-winged Pigeon (*Phaps chalcoptera*).
8. Cheer Pheasant (*Catreus wallichii*).
9. Ring-necked Pheasant (*Phasianus torquatus*).
10. Silver Pheasant (*Nycthemerus argentatus*).
11. White-crested Kaleege (*Gallophasis albocristatus*).
12. Black-backed Kaleege (*Gallophasis melanotus*).
13. Purple Kaleege (*Gallophasis horsfieldii*).
14. Sonnerat's Jungle-fowl (*Gallus sonneratii*).
15. Impeyan Pheasant (*Lophophorus impeyanus*).
16. Cape Francolin (*Francolinus capensis*).
17. Mooruk (*Casuarius bennettii*).
18. American Rhea (*Rhea americana*).
19. Mantchourian Crane (*Grus montignesia*).
20. Upland Goose (*Chloëphaga magellanica*).
21. Ashy-headed Goose (*Chloëphaga poliocephala*).
22. Ruddy-headed Goose (*Chloëphaga rubidiceps*).

23. Black-necked Swan (*Cygnus nigricollis*).
24. Black Swan (*Cygnus atratus*).
25. Ruddy Sheldrake (*Casarca rutila*).
26. Summer Duck (*Aix sponsa*).
27. Pintail Duck (*Dafila acuta*).
28. Bahama Duck (*Pæcilonetta bahamensis*).
29. Herring-Gull (*Larus argentatus*).

REPTILE.

1. American Water-viper (*Cenchris piscivorus*).

The following is a List of Donors and their several Donations to the Menagerie from the last Anniversary up to the 1st of the present month.

- HER MAJESTY THE QUEEN. *A Pair of Brahmin Cattle.*
An Aoudad (female).
- HIS ROYAL HIGHNESS THE PRINCE OF WALES.
A Cheetah.
Four Syrian Wild Cats.
- HIS MAJESTY THE KING OF PORTUGAL.
A Leopard.
- HIS MAJESTY THE KING OF ITALY.
Two Pairs of Italian Cattle.
Two Chamois.
Two Ibex.
- Viscount Powerscourt, F.Z.S. *A Cinereous Eagle.*
Earl of Kilmorey, F.Z.S. *A Vulpine Opossum.*
The Marquis of Salisbury, F.Z.S. *A Cinereous Eagle.*
Duke of Richmond. *A Badger.*
An old Female and two young Badgers.
A White-eyebrowed Guan.
- Lord Wharnccliffe, F.Z.S. *A Hybrid between Common Pheasant and Common Fowl.*
- Sir T. F. Buxton, Bart., F.Z.S. *A Ruff-legged Buzzard.*
Sir H. Stracey, Bart., F.Z.S. *Two Cormorants.*
Sir John Lees, Bart. *A Flying Fox.*
His Excellency R. W. Keate, Governor of Trinidad, F.Z.S.
Two Crested Curassows.
Two Globose Curassows.
Two Capuchin Monkeys.
One Spotted Cavy.

- His Excellency R. W. Keate, Governor of Trinidad, F.Z.S.
One Prehensile-tailed Porcupine.
One Blue-and-Yellow Maccau.
- Lady Cust.
Two Common Quails.
Six Sea-Slugs (Dendronotus arborescens).
- Lady Gilbert.
 Colonel Tapp, C.B.
 Capt. Gideon.
 Capt. Fitzgerald.
Two West Indian Parrakeets.
A Goat.
Eleven Indian Fishes.
Two Arctic Foxes.
One Common Wolf.
- Capt. Kelsall, R.E.
Two Entellus Monkeys.
Three Toque Monkeys.
One Alligator.
A Ceylon Monkey.
- Capt. Anderson.
 Dr. Müller, Melbourne, Corr. Memb.
Two American King Crabs.
Two Pied Grallinas.
Eleven Australian Porphyrios.
Two Australian Gallinules.
Two Bronze-winged Pigeons.
Two Australian Rails.
Four Australian Quails.
Three Laughing Kingfishers.
Two Black-and-White Geese.
Two Australian Thickknees.
Four Laughing Kingfishres.
Two Piping Crows.
- Dr. G. Bennett, F.Z.S.
 Dr. J. Salter, F.Z.S.
A Kagu (Rhinocetus jubatus).
Several Collections of Marine Fishes and Marine Animals.
Two Japanese Bantams.
- Dr. Clark.
 W. Dutchess, Esq.
A Rhesus Monkey.
Several Collections of Water-Beetles.
- A. Grote, Esq., Corr. Memb.
Two Indian Ratels.
Two Indian Porcupines.
Four Geckos.
- Dr. Kelaart.
 Dr. Slack.
 Dr. Rogers.
 W. Russell, Esq., F.Z.S.
A Crested Curassow.
Three American Barn-Owls.
A Macaque Monkey.
Two Brazilian Canaries.
One Chaffinch.
One Diamond Sparrow.

- W. Russell, Esq., F.Z.S. *One Mule Bullfinch.*
 One Crossbill.
 One Rufous-necked Weaver
 Bird.
 One Jackdaw.
 One Magpie.
 Two Elegant Parrakeets.
 One White-fronted Parrakeet.
 One Red-Breast.
 One White-Throat.
 One Black-Cap.
 Two Blackbirds.
 One Missel Thrush.
 One Redbreasted Thrush.
 Two Black-headed Buntings.
 Two Woodlarks.
 One Titlark.
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 A Bonnet Monkey.
 A Golden Agouti.
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 Two Green Lizards.
 Two Golden Lizards.
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 Mrs. Turner. *A Tawny Owl.*
 Capt. Abbott. *Three Iguanas, with Eggs.*
 Mr. Bartlett. *A Collection of Marine Animals.*
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Two Touracoos.
An Indian Mynah.
Two Indian Doves.
A Ring-tailed Lemur.
Two Eagle Owls (from Norway).
Two Flying Phalangers.
A Collection of Actiniæ.
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Four Australian Shieldrakes.
A Rose-crested Cockatoo.
A Stump-tailed Lizard.
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Eight young Trout.
A Pair of Wild Boars.
A Prehensile-tailed Porcupine.
Three White-masked Whistling Ducks.
Two Lobsters.
A Badger.
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Two Ceylon Porcupines.
An Indian Rock-Snake.
A Tengmalm's Owl.
A South American Monkey.
A Coatimondi.
A Bonnet Monkey.
A Young Tigress.
A Bonnet Monkey.
A Rose-crested Cockatoo.
A Cockateel.
A Rhesus Monkey.
A Young Sea-Eagle.
A Marmoset.
Three Chinese Sand-Grouse.
Six Common Adders.
A Malabar Squirrel.
A Common Quail.
Two Common Ravens.
A Rose-crested Cockatoo.
Two Albino Rats.
A Capuchin Monkey.
A Ceylon Purple Heron.
A Jerboa.
A West-African Spizaëtus.
Two Yellow-rumped Seed-Finches.
A Common Buzzard.
A Sky-Lark.
A Green Finch.
A Tree-Sparrow.
A Gold Finch.
A Common Redpole.
A Mealy Redpole.
A Stock Dove.
A Rock Pigeon.

Capt. Salvin
Hudson's Bay Company.

A Peregrine Falcon.
A Beaver.
A Raven.
A Buzzard.

Conclusion.

In concluding their Report, the Council have to express their acknowledgments to the Fellows who have served on the Committee of Publication, the Committee of Auditors, and the Committee of Finance, during the past year, from whose services, respectively, they have derived much assistance in conducting the business of the Society. And finally they cannot refrain from congratulating the Society on the marked increase of the prosperity of its affairs which has taken place within the last few years, and which seems likely to be continuous. With regard to the present year, it cannot be expected that anything like rivalry with the extraordinary circumstances of the year of the International Exhibition can be maintained. But the increase in the number of Candidates for the Fellowship, and the large number of visitors to the Gardens, during the present season, shows that the interest taken by the public in the Society is undiminished, and gives promise of a very favourable state of the Society's affairs at the close of the year.

Signed for the Council,

P. L. SCLATER,

Secretary.

11 Hanover Square,

April 29th.

LIST OF THE PUBLICATIONS
OF THE
ZOOLOGICAL SOCIETY OF LONDON.

THE scientific publications of the Zoological Society are of two kinds — “Proceedings,” published in an octavo form, and “Transactions,” in quarto. At the commencement of the year 1861, a new series of the former work was commenced, 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 forty to fifty 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 “Transactions” contain such of the more important communications made to the scientific meetings of the Society as, on account of the nature of the plates required to illustrate them, are better adapted for publication in the quarto form. The numerous papers of Professor Owen on the Anthropoid Apes, and on the various species of *Dinornis*, all form part of this series.

By a recent regulation of the Council, the Fellows and Foreign and Corresponding Members of the Society are entitled to receive all the publications of the Society at a subscription price of £1 1s. per annum, provided such subscription be paid before the Anniversary Meeting in each year. They are likewise entitled to purchase all the publications of the Society at a reduction of one-fourth from the price at which they are published.

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 (Paternoster Row, E.C.), at M. J. Rothschild’s, the Society’s Agent at Paris (14 Rue de Bucy) and Leipzig (2 Querstrasse), or through any bookseller:—

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1858,	„	45	„	...	1 12 0	2 2 0
1859,	„	48	„	...	1 12 0	2 2 0
1860,	„	45	„	...	1 12 0	2 2 0

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order according to their natural affinities. The sex, native country, date of
arrival, and mode of acquisition of each individual specimen are likewise
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REPORT
OF THE
AUDITORS OF THE ACCOUNTS
OF THE
ZOOLOGICAL SOCIETY OF LONDON,

Appointed January 21, 1863.

THE Auditors having carefully examined the Accounts of the Society for the year ending December 31, 1862, inspected the Books, and seen Vouchers for all the Payments ordered by the Council, now respectfully submit to the Society an Abstract of such Accounts, together with a Statement of the Assets and Liabilities, and a Report thereon.

RECEIPTS.

				£	s	d.	
Balance of Cash brought from Dec. 31, 1861.....				846	5	0	
INCOME.							
Belonging to years		£	s.	d.	£	s.	d.
1857	Proceedings.....				1	7	6
1858	{ Proceedings.....	5	5	0			
	{ Transactions	0	18	0			
	{ Ivory Tickets	1	1	0			
					7	4	0
1859	{ Annual Subscriptions	11	0	0			
	{ Proceedings	15	15	0			
	{ Transactions		18	0			
	{ Ivory Tickets	3	3	0			
					30	16	0
1860	{ Annual Subscriptions	21	0	0			
	{ Admission Fees	5	0	0			
	{ Proceedings	11	11	0			
	{ Ivory Tickets	2	2	0			
	{ Garden Sales	8	0	0			
					47	13	0
1861	{ Admission Fees	45	0	0			
	{ Annual Subscriptions	113	0	0			
	{ Proceedings.....	98	14	2			
	{ Transactions	112	5	5			
	{ Ivory Tickets	3	3	0			
	{ Garden Sales	199	1	9			
					571	4	4
1862	{ Admissions to Gardens	20,707	16	0			
	{ Rent for Refreshment Room	853	6	8			
	{ Garden Sales	709	18	0			
	{ Admission Fees	350	0	0			
	{ Compositions	900	0	0			
	{ Annual Subscriptions	2,725	15	0			
	{ Ivory Tickets	95	13	0			
	{ Transactions	52	16	6			
	{ Proceedings.....	66	19	6			
	{ Dividends	259	17	6			
{ Miscellaneous	0	18	6				
					26,723	0	8
1863	Annual Subscriptions (anticipated)				16	0	0
INCOME RECEIVED IN 1862					27,397	5	6
					28,243	10	6

The Assets and Liabilities of the Society on the 31st of December 1862 follow:—

PAYMENTS.

EXPENDITURE.		Gardens.			General Estabt.			Total.		
		£	s.	d.	£	s.	d.	£	s.	d.
Belonging to years										
1861	{ Rent, Rates, Taxes, &c.	257	0	2	62	9	3	319	9	5
	{ Bills.....	1,163	3	9	254	13	5	1,417	17	2
Paid on account of the previous year.....		1,420	3	11	317	2	8	1,737	6	7
1862	{ Rent, Rates, Taxes, &c.	538	10	0	160	4	9			
	{ Salaries, Wages, Pensions, &c.	2,894	17	5	1,104	1	0			
	{ Cost of Animals	1,873	4	1						
	{ Carriage and Keep of Animals and Keepers' Expenses	307	17	5						
	{ Keepers' Dresses.....	106	6	6						
	{ Menagerie Expenses	1,643	10	11						
	{ Provisions	3,182	14	9						
	{ New Buildings and Works connected Other Works, Repairs, and Mate- rials	1,568	5	11						
	{ Garden Expenses	473	19	1						
	{ Band Expenses	255	17	0						
	{ Advertisements	197	1	9						
	{ Cost of Medal	3	14	0						
	{ House and Office Expenses.....	105	2	7	150	11	6			
	{ Stationery				35	0	10			
	{ Printing (Miscellaneous).....				106	4	2			
	{ Library Expenses				184	13	4			
	{ Proceedings, including Printing ..				808	3	0			
	{ Transactions, do. do.				227	17	7			
	{ Law Expenses.....				5	16	2			
	{ Returned Subscriptions				13	1	0			
Paid on account of the current year		14,180	10	4	2,795	13	4	16,976	3	8
EXPENDITURE PAID IN 1862		15,600	14	3	3,112	16	0	18,713	10	3
Paid for £8000 Reduced 3 per Cents								7,410	0	0
Cash at the Banker's, December 31, 1862. {					General Account			£1,995 9 7		
					Petty Cash Account ...			124 10 8		
								2,120 0 3		
								28,243 10 6		

The Assets and Liabilities of the Society on the 31st of
December 1862 were as follow:—

ASSETS.								
	Arrears of		Capital Funded.	Cash.	Total.			
	Previous Years.	Current Year.						
	£	s. d.	£	s. d.	£	s. d.	£	s. d.
Cash at Banker's.....					2,120	0 3	2,120	0 3
Paid for £14,000 Reduced 3 per Cents			12,923	19 10			12,923	19 10
Subscriptions	152	0 0	194	0 0			346	0 0
Transactions	44	2 6	23	10 0			67	12 6
Proceedings	191	2 0	85	19 1			277	1 1
Ivory Tickets	8	8 0	6	6 0			14	14 0
Garden Sales	38	11 7	235	4 6			273	16 1
	434	4 1	544	19 7	12,923	19 10	2,120	0 3
							16,023	3 9

LIABILITIES.				
	Debts.			
	£	s. d.	£	s. d.
Bills, &c., estimated at—				
For the Gardens, say	551	5 8		
General Establishment	304	9 4		
			855	15 0
Rent, Rates, &c. unpaid—				
For the Gardens, say.....	175	12 0		
General Establishment	57	8 0		
			233	0 0
Contract pending			257	0 0
			1,345	15 0

Particulars of Payments in 1862.

	Belonging to		Total.	
	Previous Year.	Current Year.		
Rent, Rates, Taxes, &c. :—	£ s. d.	£ s. d.	£ s. d.	
Gardens	257 0 2	538 10 0	} 1,018 4 2	
General Establishment	62 9 3	160 4 9		
Salaries, Pensions, Gratuities, &c. :—				
Gardens		2,894 17 5	} 3,998 18 5	
General Establishment		1,104 1 0		
Cost of Animals	23 15 0	1,873 4 1	1,896 19 1	
Carriage of Animals and Keepers' Expenses :—				
Freight and Dock Charges	6 3 3		} 314 0 8	
Carriage and Keepers' Expenses, £201 17s.; Freight, Dock Charges, and Gratuities, £106 0s. 5d.		307 17 5		
Provisions	238 4 7	3,182 14 9		3,420 19 4
Menagerie Expenses :—				
Straw, £62 2s.; Water Supply, £29 12s.; Coke, £30 12s.; Miscellaneous, £18 14s. 7d.	141 0 7		} 1,794 11 6	
Wages, £370 12s. 1d.; Straw, £541 16s.; Coals and Coke, £233 15s. 6d.; Coals for Engine, £101 4s.; Water Supply, £25; Mops, Brooms, Brushes, and Baskets, £28 11s.		1,300 18 7		
New Chairs, £30; Sea-water and Carriage, £7 1s. 7d.; Police, £3 8s.; Thermometers, £6; Shoeing, £11 6s.; Saddlery and New Wheels to Cart, £22 17s. 5d.; Sawdust, £14 5s.		94 18 0		
Bird Sand, £19 10s.; Chimney-sweeping, £7 13s. 9d.; Soap, Candles, and Oil, £8 13s. 4d.; Menagerie Inventory and Labels, £78 12s. 3d.; Telegraph Company, £20; Miscellaneous, £113 5s.		247 14 4		
Keepers' Dresses		106 6 6		106 6 6
New Buildings and Works connected	675 10 6	1,568 5 11		2,243 16 5
Other Works, Materials, and Repairs :—				
Materials	58 6 4			} 1,087 15 3
Works, Materials, and Repairs, £559 9s. 1d.; Wages, £469 19s. 10d.		1,029 8 11		
Garden Expenses :—				
Bulbs, £12; Brooms and Pots, £2 9s. 6d. Wages, £414 19s. 10d.; Plants and Seeds, £38 2s. 9d.; Brooms, £3 18s. 6d.; Garden Pots, £2 10s.; Sundries, £14 8s.	14 9 6		} 488 8 7	
		473 19 1		
Band Expenses :—				
Music, £233 2s.; Programmes, £22 15s.		255 17 0	255 17 0	
Advertisements		197 1 9	197 1 9	
House and Office Expenses :—				
Gardens.—Gas Supply	5 14 0		} 110 16 7	
Gas Supply and Repairs, £20 5s. 9d.; Medical Attendance on Keepers, £21 1s.; Subscription to North London Hospital, £5 5s.; Soap and Candles, £6 11s. 2d.; Keepers' Washing, £4 16s. 3d.; Kamptulicon and Mats, £8 4s.; Rifle, &c., £10 14s.; Miscellaneous, £28 5s. 5d.		105 2 7		
Hanover Square.—Gas Supply, £3 1s. 3d. Miscellaneous, £8 14s. 5d.	11 15 8			
Gas Supply, £6 13s. 7d.; Tea, Coffee, &c., at Evening Meetings, £11 6s. 10d.; Coals and Wood, £31 8s.; Brooms, Brushes, Soap, and Oil, £5 16s. 6d.; Newspapers, £5 4s.; Posting Reports and Balloting Papers, £9 7s. 10d.; Stamps and Postages, £40 8s.; Miscellaneous, £40 6s. 9d.		150 11 6		
Library Expenses :—				
Water Colour Drawings, £9; New Books, £9 2s. 7d.; Binding, £8 4s. 4d.; Catalogue, £21 7s.; New Shelves, £1 8s. 6d.	49 2 5			} 233 15 9
New Books, Duty, &c., £136 12s. 10d.; Binding, £44 1s. 6d.; Water Colour Drawings and Mounting, £3 19s.		184 13 4		
Stationery	11 9 9	35 0 10		46 10 7
Printing (Miscellaneous)	27 17 6	106 4 2		134 1 8
Transactions :—				
Letterpress, £35; Binding, £1 2s. 8d. Drawings, £142; Printing Plates and Paper, £51 15s. 3d.; Colouring, £9 19s. 2d.; Letterpress, £13 8s.; Binding, £7 14s. 5d.; Preparing Index, £3 0s. 9d.	36 2 8		} 264 0 3	
		227 17 7		
Proceedings :—				
Drawings, £30 14s.; Printing Plates, £16 13s.; Letterpress, £61 10s. 3d.; Binding, £1 3s. 4d.	110 0 7		} 918 3 7	
Drawings, £169 19s. 6d.; Letterpress, £88 17s.; Printing Plates, £54 1s.; Colouring, £309 11s. 2d.; Paper, £124 4s.; Binding, £43 7s. 1d.; Index and List of Contributors, £8 3s. 3d.; General Index, £10		808 3 0		
Cost of Medal		3 14 0		3 14 0
Law Expenses	8 4 10	5 16 2		14 1 0
Returned Subscriptions		13 1 0		13 1 0
	1,737 6 7	16,976 3 8	18,713 10 3	
*Ordinary Payments	1,040 6 0	13,659 2 7	14,699 8 7	
Extraordinary Payments	697 0 7	3,317 1 1	4,014 1 8	
	1,737 6 7	16,976 3 8	18,713 10 3	

Comparison of Receipts in 1861 and 1862.

<i>Receipts.</i>				
	Income of		Increase.	Decrease.
	1861.	1862.		
	£ s. d.	£ s. d.	£ s. d.	£ s. d.
Admission Fees:—				
Past.....	40 0 0	50 0 0	10 0 0	.....
Present	390 0 0	350 0 0	.....	40 0 0
Annual Subscriptions:—				
Past.....	118 0 0	145 0 0	27 0 0	.....
Present	2,644 15 0	2,725 15 0	81 0 0	.....
Future	17 0 0	16 0 0	.....	1 0 0
Compositions	450 0 0	900 0 0	450 0 0	.....
Ivory Tickets	92 9 0	105 2 0	12 13 0	.....
Admissions to Gardens..	9,757 13 0	20,707 16 0	10,950 3 0	.....
Garden Sales	1,247 19 0	916 19 9	.....	330 19 3
Rent for Refreshment				
Room	754 5 5	853 6 8	99 1 3	.....
Transactions	54 11 6	166 17 11	112 6 5	.....
Proceedings.....	256 18 7	199 12 2	.....	57 6 5
Dividends.....	172 17 6	259 17 6	87 0 0	.....
Miscellaneous.....	50 15 9	0 18 6	.....	49 17 3
Museum Sales	25 0 0	.....	.....	25 0 0
	16,072 4 9	27,397 5 6	11,829 3 8	504 2 11
Increase....	11,325 0 9	.....	504 2 11	Ded. Decr.
	27,397 5 6	27,397 5 6	11,325 0 9	
<p>Total Receipts in 1862 £27,397 5 6</p> <p>Total Payments in 1862..... 18,713 10 3</p> <hr/> <p>Receipts over Payments 8,683 15 3</p>				
<i>Dr. Cash</i>				
			£ s. d.	
To Balance brought from December 31, 1861			846 5 0	
To Income received in the Year			27,397 5 6	
			28,243 10 6	

Comparison of Payments in 1861 and 1862.

<i>Payments.</i>					
	Expenditure of		Increase.	Decrease.	
	1861.	1862.			
	£ s. d.	£ s. d.	£ s. d.	£ s. d.	
Arrears of previous year	1,380 4 10	1,737 6 7	357 1 9		
Rent, Rates, Taxes, &c.	634 8 10	698 14 9	64 5 11		
Salaries, Wages, Pensions, &c. . . .	3,694 3 4	3,998 18 5	304 15 1		
Cost of Animals	657 10 6	1,873 4 1	1,215 13 7		
Carriage of ditto and Keepers' Expenses	426 5 5	307 17 5		118 8 0	
Provisions	3,003 17 2	3,182 14 9	178 17 7		
Menagerie Expenses	1,572 17 11	1,643 10 11	70 13 0		
Keepers' Dresses	101 19 6	106 6 6	4 7 0		
New Buildings and Works connected	2,313 15 8	1,568 5 11		745 9 9	
Other Works, Repairs, and Materials, &c.	1,149 8 7	1,029 8 11		119 19 8	
Garden Expenses	434 16 11	473 19 1	39 2 2		
Band Expenses	178 7 7	255 17 0	77 9 5		
Advertisements	133 19 6	197 1 9	63 2 3		
Cost of Medal		3 14 0	3 14 0		
House and Office Expenses.	220 16 0	255 14 1	34 18 1		
Library Expenses	153 11 2	184 13 4	31 2 2		
Stationery and Account Books	35 0 0	35 0 10	0 0 10		
Printing (Miscellaneous). [ing	71 10 0	106 4 2	34 14 2		
Proceedings, including Print-Transactions, ditto ditto	633 19 8	808 3 0	174 3 4		
Law Expenses	6 12 10	5 16 2	64 15 6		0 16 8
Returned Subscriptions	8 0 0	13 1 0	5 1 0		
	16,974 7 6	18,713 10 3	2,723 16 10		984 14 1
Increase	1,739 2 9		984 14 1		Ded. Decr.
	18,713 10 3	18,713 10 3	1,739 2 9		
Ordinary Expenditure	13,197 15 2	14,699 8 7	1,501 13 5		
Extraordinary ditto	3,776 12 4	4,014 1 8	237 9 4		
	16,974 7 6	18,713 10 3	1,739 2 9		
<i>Contra</i>					<i>Cr.</i>
				£ s. d.	
By Expenditure paid in the year (including arrears of 1861)				18,713 10 3	
By Cost of £8000 Reduced 3 per Cents				7,410 0 0	
By Balance at Banker's, December 31, 1862				2,120 0 3	
				28,243 10 6	

Expenditure incurred in 1862.

	Paid in the Year.	Unpaid, Dec. 31.	Total.
	£ s. d.	£ s. d.	£ s. d.
Rent, Rates, Taxes, &c.	698 14 9	233 0 0	931 14 9
Salaries, Wages, Pensions, &c.	3,998 18 5	.....	3,998 18 5
Cost of Animals.....	1,873 4 1	28 14 0	1,901 18 1
Carriage of Animals and Keepers' Expenses ..	307 17 5	32 8 6	340 5 11
Provisions	3,182 14 9	276 6 9	3,459 1 6
Menagerie Expenses.....	1,643 10 11	167 19 2	1,811 10 1
Keepers' Dresses	106 6 6	.....	106 6 6
New Buildings and Works connected.....	1,568 5 11	282 0 0	1,850 5 11
Other Works, Repairs, and Materials.....	1,029 8 11	9 2 9	1,038 11 8
Garden Expenses	473 19 1	2 15 0	476 14 1
Band Expenses	255 17 0	.....	255 17 0
Advertisements	197 1 9	.....	197 1 9
Cost of Medal.....	3 14 0	.....	3 14 0
House and Office Expenses.....	255 14 1	50 1 1	305 15 2
Stationery	35 0 10	16 15 6	51 16 4
Printing (Miscellaneous).....	106 4 2	20 17 6	127 1 8
Proceedings, including Printing	808 3 0	134 4 9	942 7 9
Transactions, ditto ditto	227 17 7	15 18 3	243 15 10
Law Expenses	5 16 2	.....	5 16 2
Library Expenses	184 13 4	75 11 9	260 5 1
Returned Subscriptions	13 1 0	.....	13 1 0
	16,976 3 8	1,345 15 0	18,321 18 8
Ordinary Expenditure.....	13,659 2 7	1,018 7 9	14,677 10 4
*Extraordinary Expenditure	3,317 1 1	327 7 3	3,644 8 4
	16,976 3 8	1,345 15 0	18,321 18 8

* *Particulars of Extraordinary Expenditure incurred in 1862.*

Cost of Paradise Birds, and fitting up Room.....	391 12 6
Collection from the Cape, and Collector's Salary	563 15 1
Expenses incurred on Red Deer for Sir George Grey	17 11 7
Refreshment Room and Fittings thereto	382 0 3
Refreshment Stall in North Garden and Paths adjoining ..	226 16 1
New Pheasantry and Path adjoining	273 15 6
New Antelope Yards	105 10 1
Warming Apparatus in Antelope House and Carnivora Dens ..	293 0 6
New Sheep Sheds and Fences	262 7 7
New Deer Sheds	41 18 10
New Kangaroo Sheds and Wall adjoining	64 16 11
New Dens for small Animals.....	257 0 0
New Stove in the Old House.....	7 10 0
New Wall and Paths adjoining to New Building.....	15 6 10
New Wire-work at Beavers' Pond	11 5 7
New Pond in Crane Paddock	10 19 1
New Platform at Hippopotamus Pond	16 10 5
New Fence at Duck Ponds	36 8 5
New Drain near Wapiti House.....	7 14 10
New Canvas for Fish House	5 16 2
New Tell-tale Gate and House.....	57 10 0
New Garden Pit	1 19 8
Gravel for restoring Paths throughout the Gardens.....	93 14 6
New Books for the Library	109 4 6
New Catalogue of Vertebrated Animals.....	50 19 5
New General Index to Proceedings, 1848 to 1860	10 0 0
New Part of Transactions	60 10 0
Advertising in the Exhibition Building	15 14 0
Gratuities	263 0 0
	£3,644 8 4

The Auditors have extreme pleasure in congratulating the Society on the continued improvement of the finances, the Income being little short of £9000 more, and the Liabilities nearly £400 less, than they were at the end of the year 1861, and the total Receipts exceeding the total Payments by the sum of £8683 15s. 3d., while proof of increased interest in the Society's objects and belief in its stability is given by the fact, that the number of Compounders is double that of the preceding year. The total Receipts in the year 1862 were £27,397 5s. 6d., exceeding those of 1861 by £11,325 0s. 9d., no less a sum than £20,707 16s. having been derived from admissions to the Gardens.

It is not only when compared with the results of 1861 that the Society's present position appears favourable, but the same is the case when comparison is made with those of any preceding year, as in the hitherto most favourable season of 1851, when the Great Exhibition was much nearer, and the rival attractions at Sydenham, Battersea, and elsewhere did not exist, the number of Visitors to the Gardens was 667,243, and the Income of the Society £26,452 19s. 11d., whereas in 1862 the number of Visitors was 682,205, and the Income, as above stated, amounted to nearly £1000 more than in that favoured year.

In whatever light the condition of the Society is viewed, whether as to its present position, as to the interest taken by the Public in its objects, or as regards its future prospects, your Committee see cause for perfect satisfaction.

In concluding their Report, the Auditors beg to assure the Society of their entire concurrence with the opinion frequently expressed by their predecessors, as to the clear manner in which Mr. Leigh has arranged the accounts laid before them.

EDW. GREENAWAY.
EDWARD JOHNSTONE.
WILLIAM MARTYN.
ROBERT LOW.
JOHN ALGER.
JAMES TENNANT.
R^D HENRY S. VYVYAN.

11 *Hanover Square,*
February 24, 1863.

REPORT
OF THE
COUNCIL
OF THE
ZOOLOGICAL SOCIETY
OF LONDON,

READ AT THE ANNUAL GENERAL MEETING,

APRIL 29TH, 1864.

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

1864.