

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

READ AT THE ANNUAL GENERAL MEETING,

APRIL 29TH, 1856.

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

1856.

REPORT

OF THE

ZOOLOGICAL SOCIETY

OF LONDON

FOR THE YEAR 1871

AND

PRINTED BY TAYLOR AND FRANCIS

AND

REPORT OF THE COUNCIL.

IN accordance with the provisions of the Charter, the Council have now the pleasure of presenting to the Society their Twenty-seventh Annual Report.

I. GENERAL ESTABLISHMENT.

1. FELLOWS AND ANNUAL SUBSCRIBERS.

The number of Fellows, Fellows Elect, and Annual Subscribers at the present time amounts to 1756. Of these there are

Compounders, paying £20	268
Ditto ditto £30	218
Paying annual contributions of £2	402
Ditto ditto £3	649
Dormant	142
Admission Fees unpaid	21
Ditto remitted	5
Annual Subscribers, paying £3	51
	<hr/>
	1756

Of these, 88 have been elected since the last Anniversary.

The number of deaths during the same period has been 45.

The number of resignations has been 23.

The number of Candidates is 14.

The total number of Fellows has been increased by 20.

2. FINANCES.

a. Income.

The INCOME of 1855, although considerably below that of the preceding year, exceeded £14,000, and must therefore be regarded a very favourable increase upon the ave-

rage of the last 18 years (excluding 1851); particularly if due allowance is made for the adverse circumstances of the weather during the earlier months, and the comparative paucity of visitors to London throughout the whole season.

The actual decrease, as compared with 1854, was £2812 17s., of which £2345 3s. 6d. is to be accounted for by the diminution of the receipts for public admission to the Gardens.

That this reduction is not however of a permanent character, nor the result either of declining interest on the part of the Public, or of deterioration in the attractions of the Establishment,—is satisfactorily shown by the fact that, during the last five months, the decrease was only £426 17s. 6d., so that four-fifths of the whole loss occurred in the first half of the year, and is mainly attributable to the state of the weather at the Easter and Whitsuntide Holidays.

That other Institutions have suffered, at least in an equal degree, is demonstrated by the recent returns laid before Parliament of the number of visitors to the British Museum, where it must be borne in mind that the whole of the admissions are without payment.

	British Museum.	Zoological Gardens.
1854.	459,262	407,676
1855.	334,089	315,002
Decrease...	125,173	92,674

The total amount received under the head of Garden Admissions was £8453 16s., and has only been exceeded in eight years out of the twenty-eight which have elapsed since the foundation of the Menagerie.

The *Subscriptions* present an increase upon the average of the last eight years, and the existing number of Fellows, together with the Candidates already proposed for admission, guarantee a maintenance of this improvement.

The *Admissions* and *Compositions* present a decrease as compared with 1854, in which year an unusual number of Fellows were added to the Society; but the receipt of £310 for Admission Fees, and £430 for Compositions,

exceed the average of the last 14 years by upwards of 50 per cent.

The *Garden Sales*, of duplicate animals principally bred in the Establishment, have fully maintained the importance attributed to them in the Report of 1851, having amounted to £1036 5s. 4d.; and there is no doubt that during the current year a scarcely less profitable result will be obtained from the accumulating riches of the Collection, which it is absolutely necessary to restrain by this means, within certain limits, prescribed by the extent of the Society's accommodation on the one hand, and by the amount of its expenditure on the other.

b. Expenditure.

The EXPENDITURE incurred, and belonging to the year 1855, was £14,248 10s. 5d., a result as nearly balanced by the Income as possible,—the apparent excess being only £159 15s. 8d.

The Council having foreseen at an early period of the year that the Income of 1855 would be deficient, determined on a scale of expenditure which has been adhered to as closely as the very high price of provisions and other contingencies would permit. And they have the pleasure of reporting, that by the course they thus adopted, involving the temporary discontinuance of New Buildings,—which will not be proceeded with until the funded property has been increased to £5000,—they have succeeded in effecting a reduction of £4306 16s. 6d. in the gross outlay for the year, as compared with that which immediately preceded it.

As the Income was undoubtedly diminished by causes which have now, it is hoped, passed entirely away, and as the expenditure of 1855 has proved sufficient for the maintenance and preservation of the Society's property in a most effective state, there seems every reason to believe that at the expiration of the current year a much more favourable comparison will be presented.

The EXTRAORDINARY EXPENDITURE paid in 1855, which represents, however, rather an investment than expenditure properly so called, scarcely exceeded £600, and was entirely restricted to the works and improvements executed in 1854.

The ORDINARY EXPENDITURE may be divided into six principal heads:—

1. The EXPENDITURE for the PURCHASE AND CARRIAGE OF ANIMALS amounted only to £686 17s. 1d., a sum which would have been inadequate to the reparation of the ordinary losses by death had not the Menagerie been unusually free from disease, and the animals generally in very first-rate condition, resulting from the improved accommodation which has been gradually added in the last seven years.

While limiting the expenditure to this low amount, the Council have omitted no opportunity of adding such objects of new interest as were offered to them; and in the List of Animals exhibited for the first time some very remarkable types will be enumerated.

2. The PROVISIONS amounted to £3858 11s. 11d., reduction in this division having been found to be impracticable during the continuance of the unprecedentedly high prices which have existed throughout the year.

3. The INCIDENTAL MENAGERIE EXPENSES amounted to £1424 13s. 2d., any reduction in this division having been precluded by the great extent of the Collection, and the advanced price of Coal, Straw, and other necessaries.

4. The REPAIRS, PAINTING AND OTHER EXPENSES of conservation amounted to £1607 19s. 7d., previous expenditure on this account having brought the Society's property into a sufficiently good state to admit of a saving of upwards of £1700 on this head, as was anticipated in the last Report of the Council.

5. The EXPENDITURE in the GARDENER'S DEPARTMENT amounted to £565 10s., presenting a reduction of £295 11s. 11d. on the previous year, which was effected by a diminution of the sums paid for labour and for the purchase of plants.

6. The PUBLICATIONS of the Society have created an unusual amount of Expenditure, in consequence of their having been brought up to the latest possible date. The sum of £936 7s. 1d. has effected this object, in accordance with the desire of the Fellows expressed at the last Anniversary. This extraordinary demand on the Finances of the Society will not of course recur, and the expenditure of the present year under this head will return to its ordinary limit.

c. Assets and Liabilities.

The CASH ASSETS of the Society on the 31st of December 1855 amounted to—

Money at Bankers	£314	7	3
Cost of £3000 Red. 3 per Cents	£2635	2	4
Subscriptions, 1855	£187	0	0
" previous years	£262	0	0
Ivory Tickets	£10	10	0
Transactions, sold	£20	4	6
Proceedings	£116	14	0
Garden Sales	£12	5	0
Museum Sales	£500	0	0
	<hr/>		
	£4058	3	1
The Liabilities amounted at the same period to	£2993	13	5
	<hr/>		

Leaving in favour of the Society a balance of £1064 9 8 exclusive of their valuable Stock, Buildings and General Equipment of the Establishment in the Regent's Park.

II. PUBLICATIONS.

During the last twelvemonths Four Volumes of the Illustrated Proceedings have been issued, and that for 1855 is in preparation for delivery at an early date.

III. LIBRARY.

The usual exchanges with Foreign and other Scientific Societies have continued the serial works already in the Library, and similar communications have been opened with several Societies on the continent not hitherto in correspondence.

The series of Drawings from subjects in the Vivarium has been continued by Mr. Wolf, and the following subjects have been added:—

1. *Hippopotamus amphibius.*
2. *Cervus humilis.*
3. *Falco islandicus.*
4. *Galloperdiæ lunulosa.*
5. *Cerastes, n. s.*

The principal DONATIONS to the Library since the last Anniversary consist of *Transactions* and *Proceedings* from

- The Royal Society.
- The Linnean Society of London.
- The Entomological Society of London.
- The Horticultural Society of London.
- The Literary and Philosophical Society of Liverpool.
- The Royal Society of Edinburgh.
- The Royal Irish Academy of Dublin.
- The American Academy of Arts and Sciences of Boston.
- The Academy of Sciences of New Orleans.
- The American Philosophical Society of Philadelphia.
- The Academy of Natural Sciences of Philadelphia.
- The Natural History Society of Boston.
- The Royal Society of Van Diemen's Land.
- The Royal Academy of Sciences of Paris.
- The Imperial Academy of Sciences of Vienna.
- The Royal Academy of Sciences of Berlin.
- The University of Basle.
- The Society of Arts and Sciences of Batavia.
- The Imperial Academy of Naturalists of Breslau.
- The Royal Academy of Sciences of Amsterdam.
- The Royal Academy of Sciences of Madrid.
- The Royal Society of Sciences of Göttingen.
- The Royal Academy of Sciences of Stockholm.
- The Physical and Medical Society of Wurtzburg.

Mémoires, Journals, 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 Royal Asiatic Society of Great Britain and Ireland.
- The Society of Arts.
- The Royal Institution of Great Britain.
- The Photographic Society.
- The Art-Union of London.
- The Statistical Society of London.
- The Geological Society of Dublin.
- The Asiatic Society of Bengal.
- The Franklin Institute.
- The University of the State of New York.

The Smithsonian Institution of Washington.
 The Museum of Natural History of Paris.
 The Imperial Society of Natural Sciences of Cherbourg.
 The Royal Academy of Sciences of Turin.
 The Society of Natural Sciences of the Canton of Vaud.
 The Royal Academy of Sciences of Belgium.
 The Imperial Society of Naturalists of Moscow.
 The Imperial Academy of Copenhagen.

Donations have also been received from His Royal Highness the Prince Albert, K.G. ; H. I. H. the Prince Charles Lucien Bonaparte, For. Mem. ; M. Guérin-Méneville, Corr. Mem. ; Dr. L. I. Fitzinger ; Dr. P. Bleeker ; Sig. I. I. Bianconi ; M. Hollard ; M. F. J. Pictet ; Professor L. Agassiz, For. Mem. ; Prof. Budge of Bonn ; Dr. Ludwig K. Schmarda ; Isaac Lea, LL.D., Corr. Mem. ; Colonel Sir Proby T. Cautley, K.C.B., F.Z.S. ; Rowland Hill, Esq., Secretary to the Post Office, F.Z.S. ; L. L. Dillwyn, Esq., M.P., F.Z.S. ; Dr. Crisp, F.Z.S. ; Philip Kiernan, Esq., F.Z.S. ; Arthur Russell, Esq., F.Z.S. ; R. J. Shuttleworth, Esq., F.Z.S. ; Samuel Dickson, M.D. ; the Editor of the Athenæum Journal ; the Editor of the Literary Gazette ; the Editor of the Zoologist ; the Editor of the Pharmaceutical Journal ; the Editor of the Agricultural Magazine.

IV. MUSEUM.

Having been long impressed with the conviction that the remarkable development of the Natural History Department in the British Museum has for some years past entirely superseded the necessity of maintaining a second Zoological Museum in London, the Council has latterly reduced the expenditure on the Society's Museum to its conservation only, without any addition being made to the imperfect series of species contained in it.

Taking these circumstances into consideration, together with the entire inadequacy of the Building at the Gardens for a general collection, as well as the entire inexpediency of incurring any further expenditure for an object which is so effectually carried out in the National Collection, the Council determined during the year which has past to dispose of a portion of the contents of the Museum as favourable opportunities occur of obtaining a fair value for the specimens.

The National Collection having the strongest claim, in every respect, to the assistance which the Society's collection was capable of affording towards its completion, the Council felt that the first step to be taken was to transfer to the Trustees of the British Museum the whole of the types of species described in the Society's publications, in order that they may be there preserved during the longest possible period for the purpose of reference and identification.

The Trustees having accepted the collection of types on this understanding, the Council trust that they have carried out in the most effective manner the intentions of the Collectors and Donors of these interesting and important objects.

Having thus provided for the safety of these historic types, the Council entered into a negotiation with the Trustees of the British Museum for the transfer of such other portions of the collection by sale as were desirable for the purpose of filling up desiderata in the National Museum. The series so selected by the Keeper of the Zoological Department was accepted by the Trustees at an agreed price of £500.

The Council have effected similar sales to the Boards of Direction in Her Majesty's Colleges at Galway and Cork to the extent of £700, in addition to the sum received from the Trustees of the British Museum; besides smaller sales to several Provincial and other Museums, by which they consider the study of Zoological science will be beneficially extended.

In thus disposing of the Society's Collection, the Council have not lost sight of its scientific utility; and they believe that in the plan which they have adopted, the objects of which it is composed will be made much more generally available for the advancement of science, than if they had been retained in the Society's establishment.

V. GARDEN ESTABLISHMENT.

a. WORKS AND REPAIRS.

The Works and Repairs have been limited during the past year to those only which were absolutely necessary to prevent the dilapidation of the Society's property, or injury to the health of the animals.

They include a most useful addition to the north side of the Carnivora Terrace, which has effectually protected the animals confined there from the inclemency of the weather, insomuch that not a single instance of death has occurred among that section of the Menagerie. This has been accomplished at a cost of less than £100.

b. MENAGERIE.

The general health of the Menagerie has been most satisfactory, and, with the exception of the death of the large female Elephant, the losses have been unprecedentedly small.

It should be remarked that the death of the Elephant, from the influence of a thunder-storm, was the result of a cause against which no precaution could have been exerted on the part of the Establishment, and must be regarded as one of those unforeseen contingencies which no skill can avert in so extensive a property as that of the Society, which at the present time includes no less than

175	<i>species</i>	of Mammalia.
372	„	Birds.
41	„	Reptiles.
27	„	Fish.

In all 615 species of vertebrate animals, represented by 1248 individual specimens, exclusive of a very large collection of Zoophytes, Annelides, and other of the Invertebrate Types, of which it is almost impossible to present an accurate return.

The Council have to record, as in former years, a long list of Donations, remarkable not only as objects of intrinsic worth, but as evidence of the continued interest taken by the Donors in the advancement and welfare of the Society.

Among these valued gifts are particularly to be noticed a fine pair of Nylghau Antilopes from India, and a very prolific earless variety of the Domestic Sheep from Shanghai, presented by His Royal Highness Prince Albert; and a collection of animals, chiefly Carnivora, presented by His Majesty the King of Portugal.

Among the animals bred in the Menagerie, the ELANDS, as anticipated in the last Report, take the most conspicuous place; and the Council have great satisfaction in stating that they have recently disposed of the first draft of the

young stock, consisting of a male calved in 1853 and two females, to the Viscount Hill, whose intention it is to continue under the most favourable circumstances in his Park at Hawkstone the experimental acclimatation of this noble Antelope, which has hitherto made so rapid a progress in the Society's Establishment.

Although the past year has presented unusually few opportunities of obtaining additions to the Menagerie, several interesting species have been replaced in it, among which a male Thylacine, recently purchased, is the most remarkable; this animal being the third only which has ever reached Europe in a living state; while the rapid diminution of its numbers in Tasmania renders its future acquisition every year less and less probable.

Among the forms absolutely new to the Collection, the most interesting in a scientific point of view, as well as the most recent addition, is the large Frugivorous Bat of India, *Pteropus edulis*, of which three specimens have been brought home for the Society by the assiduity and perseverance of Capt. Nesbit.

The arrival of the Goojerat Lions in 1854, for which the Society was indebted to the influence of Sir Erskine Perry and Col. Jacob with His Highness the Rajah of Janaghar, furnished for the first time a type of the Asiatic variety or species concerning the distinctness of which some doubts had up to that time existed.

In the present year the Society has acquired, through the munificence of Mr. Alderman Finnis, a pair of Lions from Mesopotamia, which are extremely interesting as a further illustration of the modifications produced by the geographic range of this animal; and their progress to maturity will not fail to attract the attention it deserves.

The present state and extent of the COLLECTION OF CARNIVORA the Council believe to be unprecedented in excellence, recruited as it has been by this unique importation from a country whence previous accessions have been so limited.

The AQUARIUM has continued to afford the greatest gratification to Visitors; and extended experience in its management will soon, it is hoped, obviate some of the difficulties which have hitherto interfered with the perfect exhibition of the animals which inhabit sea-water.

Many new species have been added to the series, and

many of those which were placed in the Aquarium at an earlier period have reproduced, and thus afford an opportunity of studying these beautiful forms in every stage of their existence.

The vast number of new species of Vertebrata which have been added to the Menagerie within the last seven years, renders future additions of this kind more and more difficult; and, on the present occasion, the Council have therefore reason to be satisfied with the following

LIST OF VERTEBRATE ANIMALS EXHIBITED FOR THE FIRST TIME BETWEEN APRIL 29, 1855, AND APRIL 29, 1856.

MAMMALIA.

Genet. <i>Genetta</i> — ?	Africa.
Genet. <i>Genetta</i> — ?	Africa.
Flying Fox. <i>Pteropus edulis</i> .	India.
Assyrian Wild Ass. <i>Equus hemippus</i> .	Syria.
True Gazelle. <i>Gazella vera</i> .	W. Africa.
Mountain Hare. <i>Lepus variabilis</i> .	Scotland.
Rat-like Capromys. <i>Plagiodonta ædium</i> .	Jamaica.

BIRDS.

Senegal Owl. <i>Surnia choucou</i> .	W. Africa.
Lanner Falcon. <i>Falco lanarius</i> .	Syria.
Bulbul. <i>Pycnonotus leucotis</i> .	W. India ?
Glossy Thrush. <i>Juida</i> — ?	W. Africa.
Siberian Jay. <i>Garrulus infaustus</i> .	Russia.
Red-masked Conurus. <i>Conurus rubrilarvatus</i> .	Chili.
Swainson's Thinocorus. <i>Thinocorus Swainsoni</i> .	Chili.
Black and white Swan-Goose. <i>Anseranas melanoleuca</i> .	Australia.

REPTILES.

Painted Emys. <i>Emys picta</i> .	N. America.
Australian Chelodina. <i>Chelodina oblonga</i> .	Australia.
Cerastes. <i>C.</i> — ? n. s.	West Africa.
Snake. <i>Coluber</i> — ?	Unknown.

LIST OF ANIMALS BRED IN THE GARDENS OF THE ZOOLOGICAL SOCIETY OF LONDON, FROM THE 29TH OF APRIL 1855 TO THE 29TH OF APRIL 1856.

MAMMALIA.

No. of Animals Born.	Name of Animal.
1 . . .	Giraffe.
5 . . .	Elands.
2 . . .	Leucoryx.
1 . . .	Philantomba Antelope.
2 . . .	Sambur Deer.
1 . . .	Wapiti Deer.
2 . . .	Rusa Deer.
1 . . .	Axis Deer.
1 . . .	Alpaca.
1 . . .	Llama.
12 . . .	Shanghai, or Earless, Sheep.
8 . . .	Wolves.
3 . . .	Barbary Mice.
4 . . .	Galago Maholi.
2 . . .	Rhesus Monkeys.

BIRDS.

2 . . .	Cereopsis Geese.
4 . . .	Sandwich Island Geese.
1 . . .	Hybrid, between Mountain Goose and Ruddy Shieldrake.
42 . . .	Call Ducks.
9 . . .	Summer Ducks.
5 . . .	Dusky Ducks.
3 . . .	Shovellers.
4 . . .	Gadwalls.
3 . . .	Bahama Ducks.
3 . . .	Common Teal.
33 . . .	Cross-bred Tufted Ducks.
36 . . .	Ring-necked Pheasants.
45 . . .	Red-legged Partridges.
1 . . .	Crowned Pigeon.
4 . . .	Crested Pigeons.

- 7 . . . Zenaida Doves.
 2 . . . Hybrids, between the Stock Dove and
 the Naked-eyed Dove.
 12 . . . Turquoise Parrakeets.

REPTILES.

- 17 . . . Yellow Snakes.

LIST OF DONORS TO THE MENAGERIE.

11 HIS ROYAL HIGHNESS THE PRINCE ALBERT, K.G., President.

*A Pair of Nylghaus, Six
 Shanghai Sheep.*

11 HIS MAJESTY THE KING OF PORTUGAL, F.Z.S.

*An Ocelot, an African Civet,
 Two Capuchin Monkeys, a
 Sooty Monkey, a Boa Con-
 strictor.*

The Viscount Ranelagh.

Thirty-six Young Salmon.

Rear-Admiral Eaden.

One Hawkbill Turtle.

Lady Sarah Spencer.

One Yellow-winged Parrakeet.

Sir Roderick Murchison, F.R.S., F.Z.S.

One Ring-necked Parrakeet.

12 Mr. Alderman Finnis.

A Pair of Young Lions.

Frederic Somes, Esq.

One Leopard.

Burckhardt Barker, Esq.

A Wild Ass, a Falcon.

W. Smith, Esq.

*Two Black Bears, Three Silver
 Foxes, Two Red Foxes, Three
 Virginian Eagle Owls, One
 American Robin, Two Golden
 Eagles.*

Henry Brown, Esq.

One Philantomba Antelope.

— Bosch, Esq., of Java.

*One Young Leopard, One Bin-
 turong.*

Mrs. J. H. Vivian.

One Guanaco.

W. Thompson, Esq.

One Great Kangaroo, young.

Lieutenant Abbott, 75th Regt.

One Cashmere Goat, male.

Mrs. Samuel Rawson.

One Binturong.

B. Bolton Barton, Esq.

One Tiger, young.

Charles Brownell, Esq.

One Guanaco.

T. Allingham, Jun., Esq.

One cross-bred Cashmere Goat.

John Wolley, Jun., Esq., F.Z.S. *Five Scotch Hares, One Willow Grouse, Four Siberian Jays.*

Benjamin Lancaster, Esq., F.Z.S.

One Persian Cat.

J. B. Heath, Esq., F.Z.S.

One Esquimaux Dog.

Mrs. Pett.

Three Barbary Mice.

Philip Roberts, Esq.

One Common Hare.

Professor Wilson.

One Raccoon.

Captain R. Scott.

One Malabar Squirrel.

G. Nightingale, Esq.

One Lime Mastiff Puppy.

Captain Woolcott.

One Brown Coati-Mondi.

Mr. Bishop.

One Raccoon.

G. Lowdell, Esq.

One Brown Coati-Mondi.

Mrs. Lodge.

One Ichneumon.

Vernon Abbott, Esq., F.Z.S.

One Grey Ichneumon.

R. Stennett, Esq.

One Martin Cat.

Miss Francis.

One Macaque Monkey.

Mr. Harry Daws.

One Rhesus Monkey.

Mr. Larkins.

One Macaque Monkey.

Mrs. Farrell.

One Vervet Monkey.

Mr. Gibbs.

One Lunulated Monkey.

Mr. Hemsley.

One Patas Monkey.

Charles Adamson, Esq.

One Green Monkey.

N. B. Herbert, Esq., R.N.

One Barbary Ape.

William Clark, Esq.

One Bonneted Monkey.

Mrs. Wallace.

Two Macaque Monkeys.

Mr. Tappins.

One Mona Monkey.

Mr. J. Devnal.

One Bonneted Monkey.

Captain Dowden.

One Vervet Monkey.

Miss Ogden.

One Mona Monkey.

Mrs. Jackson.

One Macaque Monkey.

John Mitchell, Esq.

One Barbary Ape.

Edmund Pace, Esq.

One Macaque Monkey.

Mrs. Young.

One Capuchin Monkey.

James Sedgar, Esq.

One Jelerang Squirrel.

Colonel Harding, Commandant at Balaklava.

One Griffon Vulture, captured on the coast near St. George's Monastery, in the Crimea.

John Lee, Esq.

One Ring-necked Parrakeet.

Mrs. Bates.

One Great Sulphur - crested Cockatoo.

Richard Tress, Esq., F.Z.S.

One Alexandrian Parrakeet, One Pike.

Robert Sutton, Esq., F.Z.S.	<i>One Lesser Sulphur-crested Cockatoo.</i>
Mr. O'Connor.	<i>One Grey Parrot.</i>
Miss Julia Fox.	<i>One Citron-crested Cockatoo.</i>
Mrs. Foakes.	<i>Four Clapperton Francolins.</i>
Richard Emery, Esq.	<i>Two Ortolan Buntings.</i>
Mrs. S. C. Hall.	<i>One Bulbul.</i>
Mrs. Jones.	<i>One Common Quail.</i>
F. Bond, Esq., F.Z.S.	<i>Two Long-eared Owls (young), Two Collared Turtle Doves.</i>
Hon. T. L. Powys, F.Z.S.	<i>Two Common Buzzards, Two Common Herons, Two Long- eared Owls.</i>
John C. Kent, Esq.	<i>One Cuckoo.</i>
Mr. Davis.	<i>One Raven.</i>
W. Wood, Esq.	<i>One Vulpine Phalanger.</i>
Mrs. Abbott.	<i>Two Dominican Cardinals.</i>
St. John T. Gore, Esq.	<i>Three Australian Barred Doves.</i>
R. N. Newcomb, Esq.	<i>Two Stone Curlews.</i>
William Russell, Esq., F.Z.S.	<i>One Goshawk.</i>
William Bridger, Esq., F.Z.S.	<i>Two Little Owls.</i>
Dr. Spencer.	<i>One Barn Owl.</i>
Mrs. Statham.	<i>One Whimbrel.</i>
John Taylor, Esq.	<i>One Vulpine Phalanger.</i>
J. Whitehead, Esq.	<i>Two Little Bitterns, One Cross Bill, One Twite.</i>
Captain Benson.	<i>One Great-eared Eagle Owl.</i>
Albert Smith, Esq., F.Z.S.	<i>One Young Herring Gull, Five Common Carp.</i>
Henry Moul, Esq., F.Z.S.	<i>One Herring Gull.</i>
Auguste Vera, Esq.	<i>One Pied Blackbird.</i>
W. Ayshford Sandford, Esq.	<i>One Golden Paradoxure, One Australian Water Tortoise.</i>
— Newcombe, Esq.	<i>Two Common Herons.</i>
Miss Allen.	<i>One Land Tortoise.</i>
J. Shorto, Esq.	<i>Ten Land Tortoises.</i>
C. H. Strutt, Esq., Stipendiary Magistrate at Berbice.	<i>Eight Land Tortoises, One Anaconda Boa.</i>
Thomas Devereux, Esq.	<i>One Hawkbill Turtle.</i>
Charles Darwin, Esq., F.Z.S.	<i>One Land Tortoise.</i>
W. H. Smith, Esq.	<i>One Radiated Tortoise.</i>
G. B. Mickleird, Esq.	<i>One Hawkbill Turtle.</i>

- L. H. Cumberbatch, Esq. *An Otter.*
 F. Green, Esq. *One Rock Snake.*
 J. M. Macey, Esq. *One Horned Cerastes.*
 Dr. Bowerbank, of Jamaica. *Five Yellow Snakes (old), Thirteen do. do. (young), Three Capromys.*
- C. D. Tweedy, Esq. *Three Endormenes Snakes.*
 Captain Rolt. *Two Alligators.*
 J. P. Gassiot, Jun., Esq. *Three Ocellated Lizards.*
 H. B. Bingham, Esq. *Six Ocellated Lizards.*
 Mrs. Edmonds. *One Water Tortoise.*
 Mr. Briggs. *One Smelt.*
 Robert M'Andrew, Esq., F.Z.S. *Two Gulls, Ten Holothurias, Three Pes Pelicani, Two Alcyoniums.*
- Dr. Gray, F.R.S., F.Z.S. *Seven Snails.*
 F. Buckland, Esq. *Forty-six Water Lizards.*
 Mrs. Olive. *Two Starfish, Three Actinias.*
 — Forster, Esq. *Three Medusæ.*
 Mr. Jennings. *A Collection of Marine Animals.*
 Mrs. John Buller. *Two Slow Worms.*
 Dr. Budd. *One Holothuria.*
 Lieut. Townshend (2nd Life Guards). *Two Hair Worms (Gordius aquaticus).*
- John Goddard, Esq. *Ten Antheas, Four Hermit Crabs, and other Marine Animals.*
- F. Bond, Esq., F.Z.S. *Seven Snails.*
 J. S. Bowerbank, Esq., F.Z.S. *Freshwater Plants.*
 E. W. H. Holdsworth, Esq., F.Z.S. *Three Actinia crassicornis, Six Actinias, One Anthus cereus, One Eolis papillosa, Four Madreporas, Nine Water Lizards, Four Cross Bills.*
- Mr. Rich. *Actinias and Shell Fish.*
 Professor Owen, V.P.Z.S. *One Common Carp.*
 P. H. Gosse, Esq. *Ten Madreporas, Four Actinias.*
 Miss M. Jones. *Thirty-six Actinias.*
 J. S. Gaskoin, Esq., F.Z.S. *One Medusa.*
 Mr. J. Ward. *One Crab, and Ten Oysters attached.*
 George Bowles, Jun., Esq. *Three Actinias.*
 Dr. Frere, F.Z.S. *Freshwater Snails.*
 W. C. Atkinson, Esq., Ann. Sub. Z.S. *Nine Freshwater Mussels.*

Mr. Lloyd.

*Five Prussian Carp, Three Pike,
Three Dace, Two Bream, One
Perch, Two Sea Mice, Three
Ascidians.*

George Nevile, Esq., F.Z.S. *Eleven Burbots.*

Conclusion.

In concluding their Report, the Council desire to express their cordial thanks to the COMMITTEES OF AUDIT, FINANCE, AND PUBLICATION, for the valuable cooperation they have given in the several branches of the business of the Society to which their labours have been applied.

In reviewing the events of the past year, and the probable prospects of the present, the Council have to congratulate the Society on the numerous additions which have already been made to the number of Fellows, the increase of Visitors to the Gardens, and the extremely effective state of the Garden Establishment, in which there certainly was never at any time a more varied, more valuable, or more beautiful collection exhibited than in the current year.

PUBLICATIONS OF THE ZOOLOGICAL
SOCIETY OF LONDON.

TRANSACTIONS.

	£	s.	d.
Vol. I., containing 59 Plates	4	18	0
Vol. II., „ 71 „	5	6	6
Vol. III., „ 63 „	4	11	0
Vol. IV., Part 1, 8 „	0	12	6
Part 2, 17 „	1	5	0
Part 3, 5 „	0	8	0

PROCEEDINGS, FROM 1830 TO 1855.

26 Vols., 8vo. cloth boards Price 7 16 0

Each Volume, separately, price Six Shillings.

PROCEEDINGS, WITH ILLUSTRATIONS.

1849, containing 28 Plates	1	7	6
1850, „ 49 „	1	18	0
1851, „ 22 „	1	1	0
1852, „ 21 „	1	1	0
1853, „ 24 „	1	4	0
1854, „ 29 „	1	6	0

SOLD BY

LONGMAN, BROWN, GREEN, LONGMANS AND ROBERTS,

PATERNOSTER ROW;

AND AT THE SOCIETY'S HOUSE,

11 HANOVER SQUARE.

REPORT
OF THE
AUDITORS OF THE ACCOUNTS,

Appointed January 3, 1856.

THE Committee of Auditors having carefully examined the Accounts of the Society for the year ending December 31, 1855, and having inspected all the Books and seen Vouchers for all the Payments, as ordered by the Council, now beg to lay before the Society the following Abstract of such Accounts, together with a Statement of the Assets and Liabilities of the Society, and a Report thereon.

RECEIPTS.

						£. s. d.	
Balance of Cash brought from Dec. 31, 1854.....						362 15 5	
INCOME.							
Belonging to years		£. s. d.		£. s. d.			
1850	{ Subscriptions	14	0	0			
to	{ Proceedings	4	10	0			
1852	{ Transactions		18	6			
						19 8 6	
1853	{ Admission Fees	5	0	0			
	{ Annual Subscriptions	23	0	0			
	{ Transactions		18	0			
						28 18 0	
1854	{ Admission Fees	40	0	0			
	{ Annual Subscriptions	78	0	0			
	{ Ivory Tickets	1	1	0			
	{ Proceedings.....	32	19	3			
						152 0 3	
1855	{ Admissions to Gardens	8453	16	0			
	{ Garden Sales	1036	5	4			
	{ Rent for Refreshment Room	400	0	0			
	{ Admission Fees	265	0	0			
	{ Compositions	430	0	0			
	{ Annual Subscriptions	2698	12	0			
	{ Ivory Tickets	100	17	0			
	{ Transactions	21	0	5			
	{ Proceedings	139	14	9			
	{ Dividends	84	7	6			
	{ Museum Sales.....	220	0	0			
	{ Miscellaneous	13	15	0			
						13,863 8 0	
1856	— Annual Subscriptions (anticipated)						19 0 0
1857	— ditto (ditto).....						3 0 0
1858	— ditto (ditto).....						3 0 0
						£14,088 14 9	
INCOME IN 1855.....						14,088 14 9	
Temporary Loan from the Bankers						600 0 0	
						£15,051 10 2	

PAYMENTS.

EXPENDITURE.		Gardens.			Museum.			General Estabt.			Total.		
		£.	s.	d.	£.	s.	d.	£.	s.	d.	£.	s.	d.
Belonging to years													
1854	{ Rent, Rates, Taxes, &c.	363	12	9	.....			10	3	7	373	16	4
	{ Bills.....	2110	11	9	20	2	8	283	11	10	2414	6	3
Paid on account of previous year		2474	4	6	20	2	8	293	15	5	2788	2	7
1855	{ Rent, Rates, Taxes, &c.	378	6	1	.....			26	14	11			
	{ Salaries, Wages, Gratuities, &c.....	2203	5	8	.....			901	9	4			
	{ Cost of Animals	498	18	6									
	{ Carriage of Animals and Keepers' Expenses	90	13	7									
	{ Keepers' Dresses.....	90	14	0									
	{ Provisions	3347	2	2									
	{ Menagerie Expenses	1199	8	1									
	{ Works, Repairs, &c.	1346	5	10									
	{ Garden Expenses	559	1	6									
	{ Band Expenses	260	6	6									
	{ Advertisements	189	8	0									
	{ House and Office Expenses.....	47	8	8	.....			126	13	10			
	{ Museum Expenses				20	12	0						
	{ Library Expenses				85	18	2						
	{ Stationery, &c.							21	3	1			
	{ Printing (Miscellaneous).....							53	19	6			
{ Transactions							23	16	0				
{ Proceedings							474	14	11				
{ Returned Subscription							3	0	0				
Paid on account of the current year		10210	18	7	106	10	2	1631	11	7	11,949	0	4
EXPENDITURE IN 1855		12685	3	1	126	12	10	1925	7	0	14,737	2	11
Cash at the Banker's, December 31, 1855. {													
General Account		276	8	9									
Petty Cash Account		37	18	6									
											314	7	3
											£15,051	10	2

ASSETS.

	Arrears of		Capital.	Cash.	Total.
	Previous Years.	Current Year.			
	£. s. d.	£. s. d.			
Cash at Banker's.....				314 7 3	314 7 3
Paid for £3000 Reduced 3 per Cents.			2635 2 4		2635 2 4
Annual Subscrip- tions.....	262 0 0	187 0 0			449 0 0
Transactions	17 5 0	2 19 6			20 4 6
Proceedings.....	26 3 0	90 11 0			116 14 0
Ivory Tickets	1 1 0	9 9 0			10 10 0
Garden Sales	3 0 0	9 5 0			12 5 0
Museum Sales.....		500 0 0			500 0 0
	309 9 0	799 4 6	2635 2 4	314 7 3	4058 3 1

LIABILITIES.

	Debts.	
	£. s. d.	£. s. d.
Bills, &c. estimated at—		
For the Gardens, say	1101 15 8	
Museum	73 7 6	
General Establishment	551 19 4	
		1727 2 6
Rent, Rates, &c. unpaid—		
For the Gardens	376 1 6	
General Establishment	290 9 5	
		666 10 11
Loan from Bankers		600 0 0
		£2993 13 5

Details of Payments in 1855.

	Belonging to		Total.
	Previous Year.	Current Year.	
Rent, Rates, Taxes, &c. :—			
Gardens	£. s. d. 363 12 9	£. s. d. 378 6 1	} 778 17 4
General Establishment	10 3 7	26 14 11	
Salaries, Wages, Gratuities, &c. :—			
Gardens		2,203 5 8	} 3,104 15 0
General Establishment		901 9 4	
Cost of Animals	244 17 0	498 18 6	743 15 6
Carriage of Animals and Keepers' Expenses :—			
Carriage and Keep of Animals, Keepers' Expenses, Gratuities, & Miscellaneous	9 12 0	84 18 1	} 101 14 7
Freight and Dock Charges	1 9 0	5 15 6	
Provisions	336 0 9	3,347 2 2	3,683 2 11
Menagerie Expenses :—			
Straw, £37 10s. ; Sea-water and Carriage, £17 2s. 6d. ; Coke and Charcoal, £39 19s.	94 11 6		}
Medicine for Animals £12 2s. 6d. ; Miscellaneous £11 6s. 5d.	23 8 11		
Straw, £350 5s. ; Sea-Water and Carriage, £107 6s. 6d. ; Coke and Charcoal, £101 9s.		559 0 6	}
Coals, £95 10s. 6d. ; Police, £77 11s. ; Labourers' Wages, £329 11s. 1d. ; Shoeing, £9 11s. 6d.		512 4 4	
Ropes, Mops, Brooms, Brushes, £30 10s. 10d. ; Saw-dust, £15 1s. ; Bird Sand, £15 2s.		60 13 10	} 1,317 8 6
Ironmongery and Smiths' Work, £10 11s. 7d. ; Saddlery, £8 4s. 1d.		18 15 8	
Miscellaneous, including Baskets, Carting, Candles, Pans, Soap, Thermometers, Tolls, Tubs, &c., £48 14s.		48 14 0	}
Keepers' Dresses		90 14 0	
New Buildings and Works connected	595 18 9		595 18 9
Other Works, Repairs, Alterations, &c. :—			
Gardens	702 11 11	1,346 5 10	} 2,076 18 7
General Establishment	28 0 10		
Garden Expenses :—			
Plants, £61 11s. 7d. ; Silver Sand, £5 16s.	67 7 7		}
Plants and Carriage, £84 18s. ; Brooms, £4 10s. ; Light Boxes, £7 4s. ; Pots, £3 12s. 3d.		100 4 3	
Peat, Turf and Loam, £16 19s. 3d. ; Ash Rods, £4 17s. 6d. ; Silver Sand, £2 4s. ; Labourers' Wages £425 17s. 6d. ; Miscellaneous, £8 19s.		24 0 9	} 626 9 1
Band Expenses :—		434 16 6	
Music, £239 8s. ; Programmes £20 18s. 6d.		260 6 6	260 6 6
Advertisements :—			
Omnibuses, £26 12s. ; Newspapers, £4 4s.	30 16 0		} 220 4 0
Omnibuses, £20 4s. ; Newspapers, £169 4s.		189 8 0	
House and Office Expenses :—			
Soap, Candles and Oil, £8 17s. 8d. ; Miscellaneous, £4 18s. 4d.	13 16 0		}
Keepers' Washing, £5 13s. 10d. ; Gas, £5 18s. 1d. ; Oil, Soap and Candles, £14 15s. 6d.		26 7 5	
Tea, Coffee, &c., for Meetings, £11 0s. 3d. ; Coals and Wood, £21 18s. ; Brooms and Mops, £1 12s.		34 10 3	} 187 18 6
Medical attendance on Keepers, £22 5s. ; Postages, £54 5s. 8d. ; Miscellaneous, £36 14s. 2d.		113 4 10	
Library Expenses :—			
Framing and Mounting Drawings, £7 15s. 6d. ; Books, £4 10s. 6d.	12 6 0		}
Books, £56 10s. 8d. ; Duty and Carriage, £4 4s. ; Binding, £4 10s. 6d.		65 5 2	
Water-colour Drawings, £20 13s.		20 13 0	} 98 4 2
Museum Expenses	7 16 8	20 12 0	
Stationery	27 14 0	21 3 1	48 17 1
Printing (Miscellaneous)	68 10 6	53 19 6	122 10 0
Transactions		23 16 0	23 16 0
Proceedings	147 3 10	474 14 11	621 18 9
Law Expenses	2 5 0		2 5 0
Returned Subscription		3 0 0	3 0 0
	2,788 2 7	11,949 0 4	14,737 2 11
Ordinary Payments	2,176 4 0	11,949 0 4	14,125 4 4
Extraordinary Payments	611 18 7		611 18 7
	2,788 2 7	11,949 0 4	14,737 2 11

Expenditure incurred in 1855.

	Paid in the Year.			Unpaid, Dec. 31.			Total.		
	£.	s.	d.	£.	s.	d.	£.	s.	d.
Rent, Rates, &c.	405	1	0	572	7	7	977	8	7
Salaries and Wages, including Gratuities and Pension to late Superintendent.....	3,104	15	0	.....			3,104	15	0
Cost of Animals	498	18	6	96	2	6	595	1	0
Carriage of ditto and Keep- ers' Expenses	90	13	7	1	2	6	91	16	1
Provisions.....	3,347	2	2	511	9	9	3,858	11	11
Menagerie Expenses	1,199	8	1	225	5	1	1,424	13	2
Keepers' Dresses	90	14	0	.....			90	14	0
Works, Repairs, &c.	1,346	5	10	261	13	9	1,607	19	7
Garden Expenses.....	559	1	6	6	8	6	565	10	0
Band Expenses	260	6	6	.....			260	6	6
Advertisements	189	8	0	.....			189	8	0
House and Office Expenses.....	174	2	6	18	2	1	192	4	7
Library Expenses	85	18	2	7	6	6	93	4	8
Museum Expenses	20	12	0	66	1	0	86	13	0
Stationery	21	3	1	13	5	2	34	8	3
Printing (Miscellaneous).....	53	19	6	57	17	6	111	17	0
Transactions.....	23	16	0	0	16	0	24	12	0
Proceedings	474	14	11	461	12	2	936	7	1
Returned Subscriptions	3	0	0	.....			3	0	0
	11,949	0	4	2,299	10	1	14,248	10	5

The Committee, in presenting their Report to the Society, have the gratification of observing, that notwithstanding the high price of provisions, a great decrease of Expenditure has been effected since the last Anniversary, amounting to no less than £4306 16s. 6d., as compared with the year 1854, and to about the same amount as compared with the average of the last four years.

Your Committee trust that the same system of economy may be successfully continued, without in any way impairing the usefulness and efficiency of the Institution, and thus enable the Council to bring the Expenditure once more within the compass of the Receipts, which, during the past financial year, has not, they regret to observe, been entirely the case; as the Expenditure incurred exceeded the Receipts by the sum of £159 15s. 8d.

The Income, as compared with the very favourable year 1854, exhibits a decrease of £2812 17s. 0d. The principal items being—

Admission Fees	£280
Compositions	£470
Admissions to Gardens	£2345 3s. 6d.

The Admission Fees and Compositions are, however, equal to the average of the last seven years; and the Admissions to the Gardens, even in this reduced state, are rather above than below it, if the extraordinary year of 1851 is excepted.

The first impression made by so large a decrease in the sum paid for Admission to the Gardens by the public, would have caused some anxiety for the future, had not the Committee satisfied themselves by tracing the source whence this loss has chiefly arisen. They found that nearly the whole of the deficiency occurred in the earlier months of the year, and must in a great degree, if not entirely, be attributed to the unfavourable state of the weather at the time of the holidays at Easter and Whitsuntide, the receipts during the summer and autumn months having nearly equalled those of 1854.

In reference to the large expense incurred in printing the Society's Proceedings (without which the general decrease of Expenditure would have been considerably more important), the Committee have to observe, that this expenditure, amounting to £936 7s. 1d., has been *necessarily incurred* in consequence of the desire expressed at the last Anniversary that the publications, which had been permitted to fall into arrear, should be effectively brought up to the current date. This has now been done, and the Committee congratulate the Fellows that there is every prospect of the publication of the

Proceedings of the Society being conducted with regularity, and at the usual annual expenditure.

Your Committee find that the Liabilities on the 31st of December present a trifling increase of £111 7s. 6d. There is an increase of Assets, as compared with the previous year, of £689 5s. 4d., arising principally from the proceeds of the Museum Sales, which can only, however, be considered as an extraordinary and accidental source.

The arrears of Annual Subscriptions amount to the sum of £449, notwithstanding the addition to the number of Elections, which have reached an annual average of no less than 103 in the last four years.

This steady increase in the number of Fellows, notwithstanding numerous deaths and some resignations during the year 1855, your Committee regard as a subject of much congratulation, as demonstrating in the most satisfactory manner that general interest in the operations of the Society continues to be unabated.

The Committee beg, in conclusion, to recommend to the attention of the Fellows the enlarged statement of the Accounts which accompanies this Report, affording extremely detailed information on the various items of Expenditure, and illustrating the exactness with which the books have been prepared and submitted to them by the Accountant, Mr. Leigh, to whom, as on former occasions, the Committee desire to record their acknowledgments.

CLEMENT GEORGE.
JOHN D. SALMON.
SAMUEL OXENHAM.
A. N. SHAW.
WILLIAM MARTYN.
GEORGE BUZZARD.
ROBERT LOW.

11 *Hanover Square*, March 5, 1856.