

REPORT
OF THE
COUNCIL
OF THE
ZOOLOGICAL SOCIETY
OF LONDON,
FOR THE YEAR 1886.

READ AT THE ANNUAL GENERAL MEETING,

APRIL 29TH, 1887.

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

1887.

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REPORT OF THE COUNCIL.

April 29, 1887.

THE Council have the pleasure of submitting to the Fellows their fifty-eighth Annual Report upon the progress of the Society.

This, in accordance with previous Reports, is divided into three heads, the first of which relates to the General Condition of the Society and its Finances, the second to the business transacted at the Office in Hanover Square, and the last to the state of the Gardens in the Regent's Park.

I. GENERAL CONDITION OF THE SOCIETY.

1. STATE OF THE ROLL OF MEMBERS.

a. Fellows.

The number of Fellows and Fellows Elect on the 1st of January, 1887, was 3146, classified as follows:—

Compounders who have paid £20	29
Ditto ditto £30	893
Compositions remitted	18
Paying annual contributions of £2	27
Ditto ditto £3	2022
Dormant	136
Admission-fees unpaid	21

3146

The number of Fellows at the corresponding date in 1886 was 3193, showing a decrease of 47 during the year 1886.

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

Years.	Elected or Readmitted.	Died.			Resigned.			Removed.			Ceased to be Fellows.	Number of Fellows, December 31.		
		Compounders.		Subscribers.	Subscribers.		Admission Fees Unpaid.	Subscribers.		Admission Fees Unpaid.				
		£20.	£30.	Fee-re-mitted	£2.	£3.		£2.	£3.				£2.	£3.
1877.	225	3	23	...	9	63	...	20	...	...	58	6	182	3354
1878.	176	6	12	...	5	52	1	40	1	...	...	1	118	3412
1879.	144	9	17	...	7	52	...	54	...	...	50	6	195	3361
1880.	153	4	18	1	4	65	...	74	...	...	38	4	208	3306
1881.	138	24	31	...	5	75	...	65	3	1	27	...	231	3213
1882.	164	3	23	1	4	61	...	48	...	...	11	13	164	3213
1883.	159	4	25	...	3	55	...	38	...	...	33	4	162	3210
1884.	183	1	28	...	5	53	...	37	...	1	7	6	138	3255
1885.	111	2	17	...	5	69	2	55	...	1	20	2	173	3193
1886.	123	4	22	...	4	64	...	59	...	...	12	5	170	3146

b. Corresponding Members.

Three Corresponding Members were elected in 1886, to fill vacancies in the List, namely:—

Dr. F. A. Jentink, Director of the Royal Museum of the Netherlands, Leyden.

Dr. R. W. Shufeldt, of the U.S. Medical Service.

Herr August von Pelzeln, of the Imperial and Royal Museum of Natural History, Vienna.

2. STATE OF THE FINANCES.

a. Income.

Although the Garden-receipts of 1886 were larger by the sum of £82 17s. 6d. than those of the previous year, and a greater amount was also realized by Garden Sales, slight fallings-off in other branches of Income took place, which more than counterbalanced these additions, and left the Society's total receipts for 1886 less by the sum of £22 9s. 9d. than those of 1885.

Thus the total Income of the Society for the past year was £25,787 0s. 4d. against £25,809 10s. 1d., the corresponding amount for the previous year, as is shown in the subjoined Table:—

	Income of		Increase.	Decrease.
	1886.	1885.		
	£ s. d.	£ s. d.	£ s. d.	£ s. d.
Admissions to Gardens	14,974 4 0	14,891 6 6	82 17 6	.....
Elephant and Camel-riding receipts	454 7 1	449 8 5	4 18 8	.....
Garden Sales.....	733 11 6	580 17 11	152 13 7	.....
Rent for Refreshment-rooms ...	1,026 13 4	1,101 6 8	.....	74 13 4
Rent for Freehold Premises ...	255 0 0	253 15 0	1 5 0	.....
Admission Fees:—				
Past	45 0 0	70 0 0	.....	25 0 0
Present	445 0 0	425 0 0	20 0 0	.....
Annual Subscriptions:—				
Past	18 0 0	27 0 0	.....	9 0 0
Present	6,080 0 0	6,244 0 0	.....	164 0 0
Future	180 0 0	150 0 0	30 0 0	.....
Compositions	630 0 0	630 0 0	.....	.....
Ivory Tickets	47 6 0	19 19 0	27 7 0	.....
Publications	739 8 5	791 3 4	.....	51 14 11
Dividends on Davis Bequest ...	73 9 4	73 17 3	.....	0 7 11
Miscellaneous	85 0 8	101 16 0	.....	16 15 4
	25,787 0 4	25,809 10 1	319 1 9	341 11 6
Decrease .....	.....	22 9 9	Ded. Incr.	319 1 9
	25,787 0 4	25,787 0 4	.....	22 9 9

b. Expenditure.

On the other hand, a considerable saving was effected in the Expenditure of 1886 without, as the Council believe, in any way prejudicially affecting the Society's establishments here or at the Gardens. These economies, as will be seen by the subjoined table, resulted in a diminution of expenditure of £154 13s. 11d. in Ordinary, and £361 5s. 6d. in Extraordinary Expenditure, which in 1886 consisted of the following two items only: £100 granted in aid of the establishment of the new Laboratory of the Marine Biological Association at Plymouth, which the Council believe will be of great importance to the future advance of marine zoology, and £29 15s. expended on the foundations of the New Dog-kennels, which are spoken of in a subsequent part of the Report.

	Expenditure of		Increase.	Decrease.				
	1886.	1885.						
	£	s. d.	£	s. d.	£	s. d.	£	s. d.
Arrears of previous years	2,059	18 5	1,954	4 9	105	13 8		
Rent, Rates, Taxes, and Insurance ...	1,256	4 9	1,112	15 11	143	8 10		
Salaries, Wages, and Pensions.....	5,937	4 9	5,864	17 4	72	7 5		
Provisions	3,704	16 4	3,966	12 1			261	15 9
Cost and Carriage of Animals	745	14 6	1,164	8 6			418	14 0
Menagerie Expenses	3,230	3 11	3,119	4 3	110	19 8		
Keepers' Dresses	152	6 6	146	16 0	5	10 6		
Works, Materials, &c.	2,390	10 6	2,527	16 10			137	6 4
Garden Expenses.....	789	14 9	772	3 2	17	11 7		
Advertisements.....	190	14 11	198	17 5			8	2 6
Band Expenses	225	12 0	234	6 0			8	14 0
House and Office Expenses	717	4 5	676	8 8	40	15 9		
Stationery and Account Books.....	46	18 10	56	1 5			9	2 7
Printing (Miscellaneous)	287	19 9	268	17 3	19	2 6		
Publications	1,720	3 1	1,976	10 4			256	7 3
Library Expenses.....	511	14 2	530	11 10			18	17 8
Returned Subscriptions	53	5 0	26	15 9	26	9 3		
Zoological Lectures (Davis Bequest)	80	19 6	79	8 0	1	11 6		
Interest on Mortgage Debt	367	6 8	407	16 8			40	10 0
Grant in aid of Science	100	0 0			100	0 0		
	24,568	12 9	25,084	12 2	643	10 8	1,159	10 1
Decrease			515	19 5	Ded. Incr.		643	10 8
	24,568	12 9	24,568	12 9			515	19 5
Ordinary Payments.....	24,438	17 9	24,593	11 8			154	13 11
Extraordinary ditto.....	129	15 0	491	0 6			361	5 6
	24,568	12 9	25,084	12 2			515	19 5

Thus the total Expenditure of the Society in 1886 was £24,568 12s. 9d., instead of £25,084 12s. 2d. as in 1885. Besides this the sum of £1000 was devoted to the reduction by that amount of the Mortgage-debt on this House and Premises. After these payments were effected, a sum of £1190 15s. 8d. (as shown by the subjoined Abstract of the Balance-sheet) remained to be carried over for the benefit of the present year.

Receipts, 1886.		Payments, 1886.	
	£ s. d.		£ s. d.
To Balance brought from December 31, 1885	972 8 1	By Expenditure paid in the year...	24,568 12 9
To Income received in 1886	25,787 0 4	By Repayment of Mortgage-debt	1,000 0 0
		By Balance at the Bankers', December 31, 1886	1,190 15 8
	26,759 8 5		26,759 8 5

Thus, it will be observed, the Income of 1886 was more than sufficient to meet the whole Expenditure of the year, and to devote a sum of £1000 to what is virtually a

Reserve-fund. This, it is submitted, is not an unsatisfactory financial state of affairs, although it does not rival the success of some former years, before the present period of "depression" set in.

c. Assets and Liabilities.

The Assets and Liabilities of the Society on December 31, 1886, were estimated as follows:—

ASSETS.

	£	s.	d.
Animals in the Menagerie in the Regent's Park	26,000	0	0
Books in the Library at Hanover Square	13,350	0	0
Unsold Publications	3,000	0	0
Freehold Premises	25,000	0	0
Cost of £1,900 London and South-Western Railway New 4 per cent. Preference Stock (Davis Trust Fund).....	1,938	9	6
Cash at the Bankers' (Messrs. Drummond)	1,190	15	8
Arrears considered good:—	£	s.	d.
Annual Subscriptions	78	0	0
Ivory Tickets.....	2	2	0
Publication Sales	171	3	11
Garden Sales	142	1	4
Rent for Refreshment Rooms.....	47	6	8
Rent for Freehold Premises.....	63	15	0
		504	8 11
		£70,983	14 1

LIABILITIES.

	£	s.	d.	£	s.	d.
Rent and Taxes unpaid:—						
For the Gardens, say	211	17	2			
„ Office, say.....	48	15	0			
				260	12	2
Bills, &c., estimated at:—						
For the Gardens, say	1,054	15	7			
„ Office, say.....	459	11	11			
				1,514	7	6
Messrs. Drummond, Mortgage Debt.....				9,000	0	0
				£10,774	19	8

II. OFFICE, 3 HANOVER SQUARE.

1. SCIENTIFIC MEETINGS.

To the fourteen meetings for the despatch of scientific business held in the Society's Rooms in Hanover Square in 1886, 117 communications were made. Of these, 88 were from Fellows, 1 from a Foreign Member, and 12 from Corresponding Members of the Society. The remaining 16 papers were from individuals not belonging to the Society, and were communicated to it by the Secretary or by other Members. The corresponding number of communications in the year 1885 was 122.

These communications were submitted to the Committee of Publication, by whom the following orders were made respecting them: 1 was ordered to be printed entire in the 'Transactions' of the Society, and 79 in the 'Proceedings,' such illustrations being in each case allowed as the Committee considered necessary for the purpose. Of the remaining communications, abstracts or extracts were considered to be sufficient for publication.

2. SCIENTIFIC PUBLICATIONS.

The volume of 'Proceedings' for 1886 is on the table. It contains 716 pages illustrated by 60 plates. In the following table are given the number of pages and plates of the volumes of 'Proceedings' for the past ten years:—

	plates.	pages.
1877	85	893
1878	62	1056
1879	64	868
1880	64	743
1881	72	1056
1882	61	827
1883	61	704
1884	58	645
1885	62	991
1886	60	716

At the date of the Anniversary last year the publication of the Society's 'Transactions' had fallen somewhat into arrear, owing to difficulties connected with the final revise of one of the memoirs in the eleventh volume.

These difficulties having been overcome the issue of the publication of the remaining Memoirs was rapidly proceeded with, and the first five parts of the twelfth volume were published in 1886, namely:—

VOL. XII. PART I. (February, 1886).

On *Dinornis* (Part XXV.): containing a Description of the Sternum of *Dinornis elephantopus*. By Sir Richard Owen, K.C.B., F.R.S., F.Z.S., &c. (with one plate).

Studies in New-Zealand Ichthyology. I. On the Skeleton of *Regalecus argenteus*. By T. Jeffery Parker, B.Sc. Lond., Professor of Biology in the University of Otago, New Zealand (with five plates).

VOL. XII. PART II. (April, 1886).

On the Reptiles and Batrachians of the Solomon Islands. By G. A. Boulenger, F.Z.S. (with seven plates).

VOL. XII. PART III. (August, 1886).

On the Anatomy and Systematic Position of a Gigantic Earthworm (*Microchaeta rappi*) from the Cape Colony. By Frank E. Beddard, M.A., F.R.S.E., F.Z.S., Prosector to the Society (with two plates).

VOL. XII. PART IV. (October, 1886).

On the Crustacea Isopoda of the 'Lightning,' 'Porcupine,' and 'Valorous' Expeditions. By the Rev. A. M. Norman, M.A., D.C.L., F.L.S., and the Rev. T. R. R. Stebbing, M.A. (with twelve plates).

VOL. XII. PART V. (December, 1886).

On the Remains of a Gigantic Species of Bird (*Gastornis klaassenii*, n. sp.) from the Lower Eocene Beds near Croydon. By E. T. Newton, F.G.S. (with two plates).

On *Megalapteryx hectori*, a new Gigantic Species of Apterygian Bird. By Julius von Haast, C.M.G., Ph.D., F.R.S., C.M.Z.S. (with one plate).

On *Dinornis oweni*, a new Species of the Dinornithidæ, with some Remarks on *D. curtus*. By Julius von Haast, C.M.G., Ph.D., F.R.S., C.M.Z.S. (with two plates).

The only remaining memoir ordered by the Committee of Publication to be printed in the 'Transactions' up December 31, 1886, has been published this year.

3. ZOOLOGICAL RECORD.

The Council take this opportunity of informing the Fellows that they have undertaken on behalf of the Society to publish the 'Zoological Record,' commencing with the volume for the past year (1886).

The 'Zoological Record,' which consists of an Annual Volume containing a summary of the work done by British and Foreign Naturalists in the various branches of Zoology in each year, is most useful—indeed it may be almost said indispensable—to working Zoologists. For the past 16 years it has been carried on by the "Zoological Record Association" with the assistance of grants from the Government Fund of the Royal Society, from the British Association, and for some years (1871–1881) from this Society. The Zoological Record Association having been unsuccessful in obtaining the continuance of some of these grants, and being unwilling to carry on the publication of the Zoological Record any longer, have agreed to transfer the whole of their stock of the issued volumes of the Record to this Society upon terms which the Council believe will not ultimately cause this Society any loss, and upon the understanding that the Society will undertake the future publication of the Record. This condition the Council, looking to the advancement of Zoology, which their Charter specifies as the leading object of the Society, thought they would be fully justified in undertaking. Beginning with the year 1886, therefore, the 'Zoological Record' will be prepared and published by this Society under the superintendence of a Committee of the Council specially selected for that purpose, and will be edited by Mr. F. E. Beddard, M.A., the Society's Prosector and Davis-lecturer.

The terms on which the annual volume of the 'Zoological Record' may be obtained by Fellows of the Society and others, as also those on which sets of the

previous volumes may be purchased, have already been communicated to every Fellow of the Society in a circular sent out along with the balloting papers.

4. LIBRARY.

The Library, under the superintendence of Mr. Waterhouse, has been kept in good order during the past year, and has been in constant use by working zoologists.

The new edition of the Library Catalogue, the preparation of which was mentioned in the last Report, is now ready for issue. It contains the titles of about 6560 publications.

During the year 1886 many important additions were made to the Library, among which attention may be called to the following donations:—

- Balfour. The Works of Francis Maitland Balfour. By M. Foster and Adam Sedgwick. Memorial Edition. 4 vols. 1885. Presented by the Executors.
- Broun. Manual of New-Zealand Coleoptera. Parts iii., iv. 1886. Presented by the Colonial Museum, Wellington.
- Burmeister. Atlas de la description physique de la République Argentine. Mammifères. Livr. 2. Presented by the Author.
- Butler. Illustrations of Typical Specimens of Lepidoptera Heterocera in the British Museum. 1886. Presented by the Trustees of the British Museum.
- Delahaye. Iconographie des Lépidoptères papillons de France. 1852. Presented by W. C. Dale.
- Etheridge and Carpenter. Catalogue of Blastoidea in the British Museum. 1886. Presented by the Trustees of the British Museum.
- Gegenbaur. Lehrbuch der Anatomie des Menschen. Zweite, verbesserte Auflage. 1885. Presented by the Author.
- Giglioli. Avifauna Italica. 1886. Presented by the Author.
- and Cavanna. Manuali Hoepli. lxi., lxii. Zoologia, ii., iii. 1886. Presented by the Authors.
- Godwin-Austen. Land and Freshwater Mollusca of India. Part v. 1886. Presented by the Author.
- Journal of Comparative Medicine and Surgery. Vol. vii. Presented by the Editors.
- Lilljeborg. Sveriges och Norges Fiskar. Haftet iv. 1886. Presented by the Author.
- Lydekker. Catalogue of the Fossil Mammalia in the British Museum. Parts ii., iii. 1885-86. Presented by the Trustees of the British Museum.
- Maitland. The History of Howietoun. 1887. Presented by the Author.
- Miall and Denny. The Structure and Life-History of the Cockroach. 1886. Presented by the Authors.

- Moore's Lepidoptera of Ceylon. Part xii. 1886. Presented by the Government of Ceylon.
- Norske Nordhavs-expedition, 1876-78. Parts xv., xvi. 1886. Presented by Prof. H. Mohn.
- Ramsay. Catalogue of the Echinodermata in the Australian Museum. Part i. Echini. 1885. Presented by the Trustees of the Australian Museum.
- Report of the International Polar Expedition to Point Barrow. 1885. Presented by the Chief Signal Officer, United States Army.
- Romita. Avifauna Pugliese. 1884. Presented by Dr. H. H. Giglioli.
- Slater. Catalogue of the Birds in the British Museum. Vol. xi. 1886. Presented by the Trustees of the British Museum.
- Studies from the Biological Laboratories of the Owens College. Vol. i. 1886. Presented by the Council of Owens College.
- Winans. Six drawings of Malformed Stag-Horns. Presented by Walter Winans, Esq.

The following is a list of the principal zoological works in course of publication of which parts were purchased in 1886:—

- André. Species des Hyménoptères. Fasc. 24-26.
- Berlese. Acari, Myriapodi e Scorpioni Italiani. Fasc. xxiii.-xxxi.
- Blasius und Hayek. Ornith. Jahrb. I. Heft 2-4; Jahrb. II. Heft 1-3.
- Booth. British Birds. Parts x.-xiii.
- Bronn's Thierreich. Band I. (*Protozoa*), Lief. 32-34; Band V. Abth. ii. (*Arthropoda*), Lief. 16, 17; Band VI. Abth. iii. (*Reptilien*), Lief. 48-53; Abth. iv. (*Vögel*), Lief. 11-15; Abth. v. (*Säugethiere*), Lief. 28.
- 'Challenger,' Voyage of H.M.S. Zoology, Vols. xiv.-xvi.
- Clessin. Malakozoologische Blätter. N. F. Band VIII. Bog. 4; IX. Bog. 1.
- Distant. Rhopalocera. Parts xi., xii. (completed).
- Dresser. Meropidæ. Part v. (completed).
- Encyclopædia Americana. Vol. iii.
- Encyclopædia Britannica. Vols. xx., xxi.
- Erichson. Naturgeschichte der Insecten Deutschlands. Band III. Abth. ii. Lief. 2, Bog. 14-24; VI. Abth. i. Lief. 4, Bog. 37-48.
- Fauna und Flora des Golfes von Neapel. Monogr. xiii.
- Fol. Recueil Zoologique Suisse. Tome iii.
- Fowler. Coleoptera of the British Isles. Parts 1, 2.
- Giglioli. Iconografia dell' Avifauna Italica. Fasc. xxviii.-xxxi.
- Godman and Salvin. Biologia Centrali-Americana. Zoology, Parts xlv.-liii.; Botany, Part xxi.
- Gould's Birds of New Guinea. Parts xxi., xxii.
- Grandidier. Histoire de Madagascar. Vol. xxviii. Tome ii.; Atlas 1.
- Helmerson und Schrenck. Beiträge zur Kenntniss des Russischen Reiches. Folge 2. Band VIII., IX.; Folge 3. Band I.
- Herman. Naturhistorische Hefte. Band IX. Heft 2-4; Band X. Heft 1-3.
- Keyserling. Die Spinnen Amerikas. Band II. Hälfte ii.

- Kobelt. Iconographie der schalentragender europäischen Meeresconchylien. Heft iv.
 —. Rossmässler's Iconographie der europäischen Land- und Süßwasser-Mollusken. N. F. Band II. Lief. iii.-vi.
 Koch. Arachniden Australiens. Lief. 33, 34.
 Lilford. British Birds. Parts ii., iii.
 Martini und Chemnitz. Conchylien-Cabinet. Lief. 335-341.
 Marshall and Nicéville. The Butterflies of India. Vol. ii.
 Meyer. Abbildungen von Vögel-Skeletten. Lief. x., xi.
 Olphe-Galliard. Contributions à la Faune Ornithologique de l'Europe Occidentale. Fasc. xxxvii.-xl.
 Pollen et Van Dam. Faune de Madagascar. Part v. Livr. 3. Mollusques. Par J. G. de Man.
 Russ. Fremdlandische Stubenvögel. Band IV. Lief. 7.
 —. Vögel der Heimat. Lief. 1-9.
 Schmiedeknecht. Apidæ Europææ. Fasc. i.-xii.
 Schneider. Tablettes Zoologiques. Tome i.
 Selenka. Studien über Entwicklungsgeschichte der Thiere. Heft iv. Hälfte 1.
 Semper. Reisen im Archipel der Philippinen. Theil II. Band ii. Suppl. Heft iii. Hälfte 1; iii. Heft viii.; iv. Abth. ii.; v. Lief. 1.
 Sharpe and Wyatt. Monograph of the Hirundinidæ. Parts ii.-iv.
 Sowerby. Thesaurus Conchyliorum. Part xliii.
 Sprengel. Zoologische Jahrbucher. Band i.; ii. Heft i. and Suppl. i.
 Staudinger. Exotische Schmetterlinge. Lief. 13-16; Theil II. Lief. 1, 2.
 Sundman. Finska Fogelägg. Häft. vi.
 Taschenberg. Bibliotheca Zoologica. ii. Lief. i., ii.
 Tryon. Manual of Conchology. Parts xxix.-xxxii.; Ser. 2. Parts v.-viii.
 Vogt et Yung. Traité d'Anatomie Comparée. Lief. 8.
 — —. Lehrbuch der Anatomie. Lief. 5-7.
 Waterhouse. Aid to the Identification of Insects. Parts xxvi., xxvii.
 Zittel. Handbuch der Paläontologie. Abth. i. Band II. Lief. v.; Abth. ii. Lief. iv.

Some of the most important additions to the Society's Library, purchased since the last Anniversary, are the following:—

- Albin. Natural History of English Insects. 4to, 1720.
 American Ornithologists' Union Code of Nomenclature. 8vo, 1886.
 Bewick. A General History of Quadrupeds. 4th edition. 8vo, 1800.
 Bojanus. Anatomie Testudinis Europææ. 2 Parts. Folio, 1819-21.
 Brewer. North-American Oology. Pt. 1. 4to, 1857.
 Brown. Illustrations of the American Ornithology of Wilson and Bonaparte. Folio, 1835.
 Des Murs. Musée Ornithologique illustré. 5 vols. Royal 8vo, 1886-87.
 Elliott. An Arctic Province. Alaska and the Seal Islands. 8vo, 1886.

- Fitzinger. Bilder-Atlas zur wissenschaftlich-populären Naturgeschichte in ihren sämtlichen Hauptformen. 4 vols. 4to, 1860-64.
- Gould. The Birds of Australia and the adjacent Islands. 2 parts (*all published*). Folio, 1837-38.
- Hofmann. S. von Praun's Abbildung und Beschreibung europäischer Schmetterlingsraupen. 2 vols. 4to, 1874-75.
- Hudson and Gosse. The Rotifera. 2 vols. 4to, 1886.
- Kerr. The Far Interior. 2 vols. 8vo, 1886.
- Kjærbølling. Skandinaviens Fugle. 2nd edition. Text and Atlas. Sm. folio, 1875-79.
- Knorr. Von Schnecken und Muscheln. 6 vols. in 3. 4to, 1757-72.
- Leech. British Pyralides. 8vo, 1886.
- Leuckart. Parasites of Man. Royal 8vo, 1886.
- Locard. Catalogue général des Mollusques vivants de France. Royal 8vo, 1886.
- Lucas. Histoire Naturelle des Lépidoptères d'Europe. 2nd edition. 8vo, 1864.
- . Histoire Naturelle des Lépidoptères exotiques. 8vo, n. d.
- Maassen und Weymer. Beiträge zur Schmetterlingskunde. Sm. folio, 1882-85.
- Macquart. Histoire Naturelle des Insects. Diptères. 2 vols. 8vo, 1834-35.
- Man. Nordsee-Nematoden. Folio, 1886.
- Maynard. The Butterflies of New England. 8 parts. Folio, 1885.
- Müller. Oiseaux d'Afrique. Livr. 8-5. Sm. folio, 1853-54.
- Mulsant et Rey. Histoire Naturelle des Coléoptères. 23 vols. 8vo, 1854-79.
- Nott. Wild Animals photographed and described. Royal 8vo, 1886.
- Oliver. Madagascar. 2 vols. Royal 8vo, 1886.
- Pallas. Novæ species Quadrupedum. 2nd edition. 4to, 1784.
- Rathke. Entwickelungsgeschichte der Schildkröten. 4to, 1848.
- Schumacher. Les habitations des Vers Testacés. 4to, 1817.
- Seeley. The Freshwater Fishes of Europe. 8vo, 1886.
- Simson. Letters on Sport in Eastern Bengal. 4to, 1886.
- Sutton. An Introduction to General Pathology. 8vo, 1886.
- Wells. Three thousand miles through Brazil. 2 vols. 8vo, 1886.
- Wood. Index Entomologicus. 8vo, 1839.

The following is a list of the periodicals received in 1886 from the various Societies and Institutions with which this Society is in correspondence.

AMERICA (NORTH).

The Academy of Natural Sciences, Philadelphia.

Proceedings, 1885, part 3; 1886, parts 1, 2.

The American Academy of Arts and Sciences, Boston.

Proceedings, n. s., vol. xiii. parts 1, 2.

Memoirs, vol. xi. parts 3, 4, no. 4.

- The American Association for the Advancement of Science.**
Proceedings, 33rd Meeting, Philadelphia, 1884.
- The American Entomological Society, Philadelphia.**
Transactions, vol. xii., nos. 2-4; xiii., nos. 1, 2.
- The American Museum of Natural History, New York.**
Bulletin, vol. i., no. 7.
Annual Report, 1885-86.
- The American Philosophical Society, Philadelphia.**
Proceedings, vol. xxiii., nos. 121-123.
- The Boston Society of Natural History, Boston.**
Proceedings, vol. xxiii., part 2.
Memoirs, vol. iii., nos. 12, 13.
- The Brookville Society of Natural History, Richmond.**
Bulletin, 1885, no. 2.
- The Buffalo Society of Natural Sciences, Buffalo.**
Bulletin, vol. v. no. 1.
- The Davenport Academy of Natural Sciences, Davenport.**
Proceedings, vol. iv.
- The Elliott Society of Science and Art, Charleston.**
Proceedings, 1860-75.
- The Franklin Institute, Philadelphia.**
Journal, 1886.
- The Museum of Comparative Zoölogy, Harvard College,
Cambridge, Mass.**
Bulletin, vol. xii., nos. 3-6; xiii., no. 1.
Memoirs, vol. x., nos. 2, 4; xiv., no. 1, pt. 1.
Annual Report, 1885-86.
- The New York Academy of Sciences, New York.**
Annals, vol. iii. nos. 7-10.
Transactions, vol. iii.; v., nos. 1-6.
- The Nova Scotia Institute of Natural Science, Halifax.**
Proceedings and Transactions, vol. vi., pt. 3.

The Peabody Academy of Science, Salem.

Memoirs, vol. ii.
Annual Report, 1886.

The Philosophical Society, Washington.

Bulletin, vol. viii.

The Royal Society of Canada, Montreal.

Proceedings and Transactions, vol. ii.

The Smithsonian Institution, Washington.

Annual Report of the Bureau of Ethnology, 1881-82.

The Trenton Natural-History Society, Trenton.

Journal, vol. i., no. 1.

AMERICA (SOUTH).

The National Academy of Sciences of Cordoba, Buenos Ayres.

Boletin, tomo viii., entr. 2-4.

The National Museum of Buenos Ayres.

Anales, tomo iii., entr. 14.

AUSTRALIAN COLONIES.

The Linnean Society of New South Wales, Sydney.

Proceedings, vol. x., parts 3, 4; ser. 2, vol. i., parts 1, 2.

The New-Zealand Institute, Wellington.

Transactions and Proceedings, vol. xviii.
Index to vols. i.-xvii. of Transactions and Proceedings.

The Royal Society of South Australia, Adelaide.

Transactions and Proceedings, vol. viii.

The Royal Society of Tasmania, Hobart.

Papers and Proceedings for 1885.

The Zoological and Acclimatization Society, Victoria.

Annual Report, 22nd, 1885 (1886).

AUSTRIA.

The Imperial Academy of Sciences, Vienna.

Denkschriften, Bänd. xlvi., xlvii., xlviii., xlix.
Sitzungsberichte, Bänd. xc., xci.

The Zoological and Botanical Society, Vienna.

Verhandlungen, Band xxxv., Halbjahr 2; xxxvi., Quartal 1, 2.

BELGIUM.

The Entomological Society of Belgium, Brussels.

Annales, tome xxix., part 2.

The Royal Malacological Society of Belgium, Brussels.

Annales, tome xx.
Procès-Verbaux, tome xv.

The Royal Museum of Natural History, Brussels.

Bulletin, tome iv., nos. 2, 3.

CHINA.

The China Branch of the Royal Asiatic Society, Shanghai.

Journal, vol. xx., nos. 4-6; xxi., nos. 1, 2.

EAST INDIES.

The Asiatic Society of Bengal, Calcutta.

Proceedings, 1885, nos. 9, 10; 1886, nos. 1-7.
Journal, vol. liv., part 1, nos. 3, 4; part 2, no. 3; lv., part 2,
nos. 1, 2.

The Bombay Natural-History Society, Bombay.

Journal, vol. i., nos. 1, 3.

The Geological Survey of India, Calcutta.

Records, vol. xix.
Memoirs (*Palæontologia Indica*), ser. 10, vol. iii., parts 7, 8;
iv., parts 1, 2; ser. 13, vol. i., part 5; ser. 14, vol. i., part 3.

The Royal Society of the Dutch East Indies, Batavia.

Natuurkundig Tijdschrift, deel xlv.

FRANCE.

The Museum of Natural History, Paris.
Nouvelles Archives, sér. 2, tome viii. ; ix., fasc. 1.

The Society Philomathique, Paris.
Bulletin, sér. 7, tome ix., nos. 3, 4 ; x., nos. 1, 2.

The Zoological Society of Acclimatation, Paris.
Bulletin, sér. 4, tome ii., nos. 11, 12 ; iii.

GERMANY.

The Royal Prussian Academy of Sciences, Berlin.
Sitzungsberichte, 1885, nos. 40-52 ; 1886, nos. 1-39.
Abhandlungen, 1885.

The Society of Friends of Natural History, Berlin.
Sitzungs-Berichte, 1885.

The Natural-History Union of Rhenish Prussia and
Westphalia, Bonn.
Verhandlungen, Jahr. xlii., Hälfte 2 ; xliii., Hälfte 1.

The German Malacological Society, Frankfort a. M.
Jahrbücher, xiii.

The New Zoological Society, Frankfort a. M.
Der Zoologische Garten, Jahr. xxvii.

The Senckenbergian Natural-History Society, Frankfort
a. M.
Bericht, 1885-86.
Abhandlungen, Band xiv., Heft 1.

The Royal Society of Sciences, Göttingen.
Abhandlungen, Band xxxii.
Nachrichten, 1885.

The Medical and Natural-History Society, Jena.
Jenaische Zeitschrift, Band xix.
—, Supplement, Heft. 1, 2.

The Academy of Metz.
Mémoires, sér. 3, ann. xi., xii.

The Westphalian Provincial Union of Science and Art,
Münster.

Jahresbericht, xiv.

The Royal Bavarian Academy of Sciences, Munich.

Abhandlungen, Band xv., Abth. 2, 3.
Sitzungsberichte, 1884, Heft 4; 1885.

The Natural-History Union, Würtemberg.

Württembergische Jahresheft, Jahrg. xli i.

GREAT BRITAIN AND IRELAND.

The Belfast Natural-History and Philosophical Society,
Belfast.

Report and Proceedings, Sessions 1885-86.

The Birmingham Philosophical Society, Birmingham.

Proceedings, vol. v., part 1.

The Philosophical Society, Cambridge.

Proceedings, vol. v., part 5.

The Royal Dublin Society, Dublin.

Scientific Transactions, ser. 2, vol. iii., nos. 7-10.
Scientific Proceedings, n. s., vol. iv., parts 7-9; v., parts 1, 2.

The Royal Geological Society of Ireland, Dublin.

Journal, n. s., vol. vi., part 3; vii., part 1.

The Royal Physical Society, Edinburgh.

Proceedings, Session 1885-86.

The Essex Field Club, Buckhurst Hill, Essex.

Transactions, vol. iv., part 1.
Journal of Proceedings, vol. iv., part 1.

The Hertfordshire Natural-History Society, Hertford.

Transactions, vol. iv., parts 1-3.

The Philosophical and Literary Society, Leeds.

Annual Report, 1885-86.

**The British Association for the Advancement of Science,
London.**

Report, 55th Meeting, Aberdeen, 1885.

The Entomological Society, London.

Transactions, 1885, part 5; 1886, parts 1-4.

The Geological Society, London.

Quarterly Journal, vol. xlii.
List of Fellows of the Society, 1886.

The Linnean Society, London.

Transactions (Zoology), vol. ii., part 17; iii., part 4; iv.,
part 1.
Journal (Zoology), vol. xix., nos. 112-115; xx., no. 116.
— (Botany), vol. xxi., no. 140.

The Quekett Microscopical Club, London.

Journal, ser. 2, vol. ii., nos. 14-16.

The Royal Agricultural Society of England, London.

Journal, ser. 2, vol. xxii., parts 1, 2.

**The Royal Asiatic Society of Great Britain and Ireland,
London.**

Journal, new series, vol. xviii., part 2.

The Royal Geographical Society, London.

Proceedings, vol. viii. (1886).

The Royal Institution of Great Britain, London.

Proceedings, vol. xi., part 2.
List of Members, 1885.

The Royal Society, London.

Proceedings, vol. xxxix., nos. 240, 241; xl.; xli., nos. 246, 247.
Philosophical Transactions, vol. clxxvi., part 2.
List of Fellows, 1885.

The Royal United Service Institution, London.

Journal, 1886.

The Society of Arts, London.

Journal, 1886.

The Plymouth Institution and Devon and Cornwall
Natural-History Society, Plymouth.

Annual Report and Transactions, vol. ix., part 2.

The Royal Institution of Cornwall, Truro.

Journal, vol. viii., part 4; ix., part 1.

HOLLAND.

The Dutch Society of Sciences, Haarlem.

Archives Néerlandaises, tome xx., livr. 4, 5; xxi., livr. 1.

The Entomological Society of the Netherlands, The Hague.

Tijdschrift voor Entomologie, deel xxviii. afl. 3, 4; xxix.
afl. 1-3.

The Royal Academy of Sciences, Amsterdam.

Verhandelingen (Natuurkunde), deel xxiv.
Verslagen en Mededeelingen (Natuurkunde), derde reeks,
deel i.; (Letterkunde), derde reeks, deel ii.
Jaarboek, 1884.

The Royal Zoological Society, Amsterdam.

Bijdragen tot de Dierkunde, afl. xiii. ged. 4.

ITALY.

The Civic Museum of Natural History, Genoa.

Annali, series ii., vol. ii.

The Italian Society of Sciences, Milan.

Atti, vol. xxviii.

The Royal Academy of the Lincei, Rome.

Rendiconti, vol. i. fasc. 28; ii. fasc. 1-13; ii. sem. 2, fasc. 1-9.
Memorie, ser. 2, vols. xviii., xix.; ser. 4, vol. ii.

The Royal Academy of Sciences, Turin.

Atti, vol. xxi. disp. 1-7.
Bollettino, Anno xx., 1885 (1886).
Memorie, ser. 2, tomo xxxvii.

The Zoological Station, Naples.

Mittheilungen, Band vi. Heft 4; vii. Heft 1.

PORTUGAL.

The Geographical Society, Lisbon.

Boletim, ser. 5, no. 6.

The Royal Academy of Sciences, Lisbon.

Jornal, nos. xxxiv.-xlii.

RUSSIA.

The Entomological Society of Russia, St. Petersburg.

Horæ, tomes xviii., xix.

The Imperial Society of Naturalists, Moscow.

Bulletin, 1884, no. 4; 1885; 1886, nos. 1, 2.

The Natural-History Society, Dorpat.

Sitzungsberichte, Band vii., Heft 2.

Archiv, Ser. 1, Band ix., Lief. 3; Ser. 2, Band x., Lief. 2.

The Royal Academy of Sciences, St. Petersburg.

Bulletin, tome xxx., nos. 3, 4; xxxi., nos. 1, 2.

Mélanges Biologiques, tome xii., livr. 2-4.

Mémoires, 7^e série, tome xxxiii., nos. 3-8; xxxiv., nos. 1-6.

The Society of Sciences of Finland, Helsingfors.

Öfversigt, tomus xxvii.

Bidrag, Haftet 43.

SCANDINAVIA.

The Royal Danish Society of Sciences, Copenhagen.

Oversigt, 1885, no. 3; 1886, nos. 1, 2.

Mémoires, 6^e sér. vol. ii., nos. 8-11; iii., nos. 2, 4; v., nos. 1, 2.

Spolia Allantica. 4to, 1885-86.

The Royal Society of Sciences, Upsala.

Nova Acta, ser. 3, vol. xiii., fasc. 1.

SPAIN.

The Royal Academy of Sciences, Madrid.

Revista, tomo xxi., nos. 7-9; xxii., no. 1.

The Spanish Natural-History Society, Madrid.

Anales, tomo xiv., cuad. 3; xv., cuad. 1, 2

SWITZERLAND.

The Natural-History Society, Basel.

Verhandlungen, Theil viii., Heft 1.

The Natural-History Society, St. Gall.

Bericht, 1883-84.

The Natural-History Society, Zurich.

Vierteljahrschrift, Jahr. xxx., xxxi. Heft. 1, 2.

The Physical and Natural-History Society, Geneva.

Mémoires, tome xxix., part i.

The Vaudoise Society of Sciences, Lausanne.

Bulletin, 3^e série, vol. xxi., no. 93; xxii., no. 94.

Donations, Memoirs, and Papers have also been received from :—Prof. Paul Albrecht; the Editors of the ‘American Journal of Science’; the Editors of the ‘American Naturalist’; the Editors of the ‘Archiv für Naturgeschichte’; E. T. Atkinson, Esq.; the Trustees of the Australian Museum; V. Ball, Esq.; Prof. Barboza du Bocage; Messrs. Bell and Bradfute; Dr. W. Blasius; Mons. Boulart; the Trustees of the British Museum; Dr. H. Burmeister; the Geological and Natural History Survey of Canada; the Editors of the ‘Canadian Record’; Prof. E. D. Cope; Mons. J. M. Cornély; C. Cumberland, Esq.; Francis Day, Esq.; M. Denniker; H. Dixon, Esq.; Monsieur L. Dollo; Dr. A. Dubois; the Editor of the ‘Entomologisk Tidskrift’; the National Central Library, Florence; Dr. H. H. Giglioli; J. G. Goodchild, Esq.; Dr. G. Hartlaub; Dr. F. Ritter von Hauer; Dr. James Hector; The India Office (Record Branch); the Editors of the ‘Journal de Conchyliologie’; W. Savile Kent, Esq.; Prof. A. Kölliker; Mons. F. Lataste; G. N. Lawrence, Esq.; Isaac Lea, Esq.; R. T. Litton, Esq.; Dr. C. Lütken; the Committee of the Maidstone Museum; Prof. A. H. Malm; Melbourne Public Library; the Meteorological Office; Professor K. Möbius; Professor H. Mohn; the Editors of the ‘Naturalist’; E. T. Newton, Esq.; the Commissioners of the Department of Public Parks, New York; Professor H. A. Pagenstecher; Signor P. Parenti; F. P. Pascoe, Esq.; Dr. Paul Pelsener; the

Royal College of Physicians; Dr. L. Picaglia; Prof. C. V. Riley; P. L. Sclater, Esq.; Dr. C. Semper; the Smithsonian Institution; A. Somerville, Esq.; Dr. J. E. Spånberg; J. H. Steel, Esq.; Prof. J. J. S. Steenstrup; the Trustees of the Tromsø Museum; the United States Fish Commission; the United States Geological Survey; the University College of London; the Royal Commission for Victoria; F. H. Waterhouse, Esq.; Dr. T. A. Wise; H. W. S. Worsley-Benison, Esq.; and the Zoological Society of Philadelphia.

III. GARDENS, REGENT'S PARK.

I. WORKS AND REPAIRS.

In view of the present state of financial affairs, the Council did not deem it advisable to commence any new works in the Society's Gardens during the past year. But the staff of workmen was kept busily employed throughout the summer and autumn on various repairs and renewals.

The Antelope-house was thoroughly repaired and painted both inside and out. A new Ladies' Waiting-room was built. The Band-stand was cleaned and painted. The roof of the Giraffe-house was repaired, and a large useless air-shaft, erected many years ago, removed. The Steam Cook-house in the lower yard was re-roofed and slated. In the Marsupial-house, the hot-water apparatus, which was of antiquated construction, was removed, and new pipes laid in its place. These and various other minor repairs and alterations kept the Society's staff of workmen in full employment throughout the season of 1886.

It should also be mentioned that in the autumn of 1886 the foundations were laid for the New Dog-Kennels, intended to accommodate the series of wild animals of the genus *Canis*. These will be placed on the extreme southern face of the Gardens, beyond the Lion-house, on a site that, as mentioned in the Council's last Report, was selected some time ago for this purpose. It is hoped that this building, for which the plans have been prepared by Mr. Trollope, will be finished during the present year.

2. STAFF.

The permanent Staff of the Society's Gardens remains nearly the same as at the last Anniversary. It consists of:—

- 1 Superintendent.
- 1 Assistant Superintendent.
- 1 Head Keeper.
- 6 Keepers (1st class).
- 9 Keepers (2nd class).
- 9 Keepers (3rd class).
- 4 Money-takers.
- 1 Storekeeper.
- 1 Cook.
- 1 Office Clerk.
- 1 Prosector's Assistant.
- 1 Head Gardener.

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Besides these there are usually 19 Helpers in the Menagerie, 12 Garden-labourers, 9 Artisans, 3 Painters, 13 Labourers, 1 Butcher, 2 Firemen, 2 Night-Watchmen, and 1 Time-keeper employed at weekly wages; so that the number of the whole staff may be reckoned at about one hundred persons.

3. VISITORS.

The total number of visitors to the Society's Gardens during the year 1886 was 639,674, as will be seen by the following Table, which gives the corresponding numbers of entrances under each head for 1885 and 1886:—

Visitors to the Gardens.

	1885.	1886.	Comparison.
Fellows and Friends	192,299	181,637	Decr. 10,662
Paying {	On ordinary days at 1s. each...	147,785	Incr. 7,236
	On Mondays and other days at 6d. each	249,496	Decr. 20,633
	Children under 12 years at 6d. each	49,097	Incr. 8,916
School Children (admitted free)	21,219	16,140	Decr. 5,079
	659,896	639,674	Decr. 20,222

The subjoined Table contains a statement of the Number of Visitors to the Society's Gardens during each year, from the year 1828 to the year 1886.

Number of Visitors to the Gardens, 1828-86.

Year.	Number.	Year.	Number.
1828	98,605	1858	351,580
1829	189,913	1859	364,356
1830	223,420	1860	394,906
1831	262,193	1861	381,837
1832	206,652	†1862	682,205
1833	211,343	1863	468,700
1834	208,583	1864	507,169
1835	210,068	1865	525,176
1836	263,372	1866	527,349
1837	173,778	1867	556,214
1838	179,197	1868	573,186
1839	158,432	1869	572,848
1840	141,009	1870	573,004
1841	132,616	1871	595,917
1842	107,459	1872	648,088
1843	98,280	1873	713,046
1844	101,527	1874	706,907
1845	99,615	1875	699,918
1846	100,045	‡1876	915,764
1847	93,546	1877	781,377
1848	143,630	1878	706,713
1849	168,895	1879	643,000
1850	360,402	1880	675,979
*1851	667,243	1881	648,694
1852	305,203	1882	849,776
1853	409,076	1883	743,485
1854	407,676	1884	745,460
1855	315,002	1885	659,896
1856	344,184	1886	639,674
1857	339,217		

* Year of the Great Exhibition.

† Year of the International Exhibition.
‡ Year of the exhibition of the Prince of Wales's Indian Menagerie.

4. PROSECTOR'S DEPARTMENT.

The Prosector (Mr. F. E. Beddard) reports as follows:—
The number of deaths in the Society's Menagerie during

the year has been 1077, showing an increase of 87 as compared with the year 1885.

The most noteworthy are those of the Bald Ouakari (*Brachyurus calvus*), upon the structure of which a few notes have been communicated to the Society by the Prosector; and of a male Hippopotamus, born at the Zoological Gardens of Amsterdam in July 1876, and which had lived for nearly nine years in the Society's Gardens. In the temporary absence of the Prosector, this animal was dissected by Mr. Treves, F.R.C.S.

A large number of Hornbills, viz. three Concave-casqued Hornbills, two Rhinoceros Hornbills, and one Black Hornbill, died within a few days of each other.

A West-African Python, which died on November 17th last, was remarkable for having lived twenty-three years in captivity.

The remaining deaths which need a special reference were the following:—Ourang Outang; Chimpanzee; female Giraffe (purchased in 1874), which died in young; a Brazilian Tapir, born in the Gardens in 1882; and a One-wattled Cassowary.

The following papers have been communicated by the Prosector to the 'Proceedings' of the Society as results from the study of materials derived from the Society's collection:—"Note on the Air-sacs of the Cassowary;" "On the Syrinx and other points in the Anatomy of the Caprimulgidae;" "On some points in the Anatomy of *Chauna chavaria*;" "Note on the Convoluted Trachea of a Curassow, and on the Syrinx in certain Storks;" "Observations on the Ovarian Ovum of *Protopterus*;" "Notes on the Anatomy of *Brachyurus calvus*."

During the summer a course of ten lectures was delivered in the Lecture-room at the Gardens in connection with the London Society for the Extension of University Teaching. The lectures were fairly attended, fifty students altogether having entered the class. Every lecture was given twice, namely on Friday and Saturday, and after the lecture the students were conducted through the Gardens, when the principal animals referred to in the lecture were pointed out.

Materials have been supplied for purposes of research to Prof. Haycraft, Prof. Wiedersheim, Dr. Beevor, Sir William Turner; and for museum purposes, to Prof.

Flower, Prof. D'Arcy Thompson, Prof. M'Intosh, Mr. J. W. Clark, and Mr. C. E. Manigault.

Mr. J. B. Sutton, F.Z.S., has made use of the greater part of the pathological material for his studies on the Pathology of Animals, on which subject he has made several communications to the Society's scientific meetings.

5. ZOOLOGICAL LECTURES.

A slight alteration in the arrangements for the Davis Lectures on zoological subjects has been made for the present year.

Mr. F. E. Beddard, M.A., Prosector to the Society, has been appointed Davis Lecturer, and has commenced a course of ten lectures on the Classification of Vertebrate Animals.

These lectures are a continuation of a series given last year in connection with the London Society for the Extension of University Teaching. In accordance with the method adopted by that Society, each lecture is followed by a class, which is occupied by an inspection and study of the animals referred to in the lecture.

The course is free to Fellows of the Society, but other attendants are required to pay a fee of 10s., which includes the admission to the Gardens on the day of lecture.

6. MENAGERIE.

a. *Additions to the Menagerie in 1886.*

The number of animals belonging to the first three classes of Vertebrates living in the Society's Menagerie at the close of 1886 was 2609. The corresponding number on the 31st of December, 1885, was 2551, as will be seen by the subjoined Table:—

	December 31.		Comparison.
	1885.	1886.	
Quadrupeds.....	756	777	Incr. 21
Birds	1366	1429	Incr. 63
Reptiles	429	403	Decr. 26
	2551	2609	Incr. 58

The total number of registered additions to the Menagerie in 1886 was 1538, of which 851 were acquired by presentation, 236 by purchase, 171 were bred in the Gardens, 232 were received on deposit, and 48 obtained in exchange.

The mode in which these figures compare with those of previous years is shown in the subjoined table:—

	Presented.	Purchased.	Born.	Deposited.	Received in Exchange.	Total.
1875.	559	557	156	143	43	1458
1876.	533	316	171	172	27	1219
1877.	506	324	181	181	68	1260
1878.	511	272	150	178	71	1182
1879.	550	421	115	124	56	1266
1880.	624	515	148	161	40	1488
1881.	565	310	167	136	35	1213
1882.	772	402	113	111	25	1423
1883.	637	376	128	219	28	1388
1884.	646	524	174	229	133	1706
1885.	762	251	241	135	62	1451
1886.	851	236	171	232	48	1538

The following is a list of the most noticeable additions made to the Menagerie during the year 1886:—

1. A Many-marked Snake (*Rhagerhis multimaculata*), presented by the Rev. G. H. R. Fisk, C.M.Z.S., and received January 1, 1886.

2. Eight Tree-Snakes, born alive in the Society's Reptile-house, on the 9th of January. The mother, a fine example of *Dryophis prasina*, presented by Dr. F. H. Bauer, C.M.Z.S., of Buitenzorg, Java, was received on the 15th of August last.

3. Five examples of a large Batrachian of the Argentine Republic, there called "Escuerzo" (*Ceratophrys ornata*), presented by Dr. Frederick C. Strutt, and received February 13th.

4. A Mantled Buzzard (*Leucopternis palliata*) from Brazil, purchased February 15th, being the first example of this fine bird of prey received by the Society.

5. A second specimen of the Rough-billed Pelican of North America (*Pelecanus trachyrhynchus*), purchased March 2nd.

6. An example of the White-tailed Ichneumon (*Herpestes albicauda*) from Lamoo, Eastern Africa, presented by F. J. Jackson, Esq., F.Z.S., March 4th.

7. An example of an Iguanoid Lizard belonging to a new species of the genus *Ctenosaura*, which Mr. Boulenger has recently described as *C. erythromelas*, obtained by purchase April 3rd.

8. A fine male example of the Lesser Koodoo (*Strepsiceros imberbis*), received in exchange on April 7th.

9. An Orange-thighed Falcon (*Falco fusco-cærulescens*), presented by Mr. R. J. Jones, May 5th, stated to have been obtained in Chili. This is the first example of this elegant species which has been obtained by the Society.

10. Five Senegal Parrots (*Pæocephalus senegalus*), presented by R. B. Sheridan, Esq., May 8th. Four of these had been bred in this country.

11. A Glaucous Macaw (*Ara glauca*), purchased of the Zoological Gardens, Antwerp, June 3rd. Of this near ally of Lear's Macaw (*Ara leari*) we have not previously possessed a living specimen.

12. A Bald Ouakari Monkey (*Brachyurus calvus*), male, purchased June 12th. New to the Society's collection.

13. Two young Tcheli Monkeys (*Macacus tcheliensis*), presented by Dr. S. W. Bushell, C.M.Z.S., of Pekin, June 17th. These Monkeys are from the mountains near the "Jung-ling," or Eastern Mausoleum of the reigning dynasty of China, which is situated some 70 miles east of Pekin.

14. A young male of the true Zebra (*Equus zebra*), purchased December 11th, which fills a serious void in our collection of Equidæ, no specimen of this, now rare, animal having been received by the Society since 1867.

15. A young male Indian Rhinoceros, presented by H.H. the Maharajah of Kuch-Behar, F.Z.S., through the kind intervention of Dr. B. Simpson, C.M.Z.S., and received December 25th. This is an important acquisition, as the only other specimen we possess of this huge animal is the male presented by the late Arthur Grote, Esq., F.Z.S., which has lately shown serious symptoms of old age.

b. *List of Species new to the Collection exhibited during the year 1886.*

The following list contains the specimens exhibited in 1886 which are referable to species not included in the last (eighth) edition of the List of Animals.

i. MAMMALS.

101 a. *Brachyurus calvus*, Is. Geoff. Bald Ouakari.
Hab. Brazil.

a. Male. Purchased, June 12, 1886.

- 196 a. *Herpestes albicauda* (Is. Geoffr.). White-tailed
Ichneumon.
Hab. East Africa.
a. Presented by F. J. Jackson, Esq., F.Z.S., March 4,
1886. From Lamoo, E. Africa.
- 246 a. *Canis virginianus*, Erxl. Virginian Fox.
Hab. North America.
a. Received in exchange, Oct. 23, 1886.
- 254 a. *Putorius vison*, Brisson. Mink.
Hab. North America.
a. Purchased, July 23, 1886.
- 300 a. *Erinaceus micropus*, Blyth. Small-footed Hedge-
hog.
Hab. Madras.
a. Presented by H. R. P. Carter, Esq., Nov. 25, 1886.
- 325 a. *Sciurus atrodorsalis*, Gray. Dark-backed Squirrel.
Hab. Burmah.
a. Presented by C. Crofton Black, Esq., May 4, 1886.
- 338 a. *Sciurus griseoflavus* (Gray). Yellow-grey Squirrel.
Hab. Central America.
a. Male. Received in exchange, Oct. 12, 1886.
- 350 a. *Spermophilus tridecemlineatus* (Mitchell). Thirteen-
striped Souslik.
Hab. North America.
a-f. Purchased, July 2, 1886.
- 351 b. *Spermophilus grammurus* (Say). Line-tailed Souslik.
Hab. California.
a. Presented by B. F. Russell, Esq., Nov. 15, 1886.

- 374a. *Sminthus vagus* (Pall.). Grey-striped Mouse.
Hab. S.E. Europe.
 a. Presented by Dr. A. Wryesniowski, Dec. 4, 1886.
 From the Tatra Mountains.
- 421b. *Lepus americanus*, Erxleben. American Hare.
Hab. North America.
 a-d. Presented by F. J. Thompson, Esq., Feb. 26, 1886.
- 457a. *Strepsiceros imberbis*, Blyth. Lesser Koodoo.
Hab. Somali-Land.
 a. Male. Received in exchange, April 7, 1886. See
 P. Z. S. 1886, p. 266.

ii. BIRDS.

- 167b. *Poëphila mirabilis*, Hombr. et Jacq. Beautiful
 Grass-Finch.
Hab. Australia.
 a. Male. Presented by C. N. Rosenfeld, Esq., April 18,
 1885.
- 222a. *Coryphospingus cristatus* (Gm.). Red-crested Finch.
Hab. South America.
 a-c. Purchased, April 29, 1886.
- 254a. *Chrysomitris barbata* (Mol.). Black-chinned Siskin.
Hab. Chili.
 a, b. Presented by H. B. James, Esq., F.Z.S., April 16,
 1886.
- 302a. *Icterus chrysocephalus* (Linn.). Yellow-crowned
 Troupial.
Hab. South America.
 a. Purchased, Jan. 4, 1886.

- 612a. *Ara glauca* (Vieill.). Glaucous Macaw.
Hab. Paraguay.
a. Purchased, June 3, 1886.
- 629a. *Conurus rubritorquis*, Sclater. Red-collared Conure.
Hab. South America.
a. Purchased, April 29, 1886.
- 648a. *Bolborhynchus lineolatus* (Cassin). Lineolated Parakeet.
Hab. Mexico.
a. Purchased, July 8, 1886.
- 712a. *Bubo magellanicus* (Horsf.). Magellanic Eagle-Owl.
Hab. Chili.
a. Purchased, April 27, 1886.
- 744a. *Asturina nattereri*, Scl. et Salv. Natterer's Hawk.
Hab. Brazil.
a. Purchased, May 19, 1886.
- 65a. *Leucopternis palliata* (Pelz.). Mantled Buzzard.
Hab. Brazil.
a. Purchased, Feb. 15, 1886.
- 816a. *Falco fusco-cærulescens*, Vieill. Orange-thighed Falcon.
Hab. Chili.
a. Presented by R. J. Jones, Esq., May 5, 1886.
- 868a. *Sula serrator*, Gould. Australian Gannet.
Hab. Australia.
a-c. Deposited, April 22, 1886. From the New-Zealand coast.
d, e. Presented by Dr. W. L. Buller, C.M.G., F.R.S., C.M.Z.S., April 22, 1886. From the New-Zealand coast.

- 1086 *a.* *Turtur capicola*, Sundev. Cape Turtle-Dove.
Hab. South Africa.
a, b. Presented by R. A. Fairclough, Esq., July 20, 1886.
- 1103 *a.* *Engyptila wellsi*, Lawr. Wells' Dove.
Hab. Grenada, W. I.
a, b. Presented by S. Wells, Esq., Aug. 16, 1886.
- 1091 *a.* *Peristera cinerea* (Temm.). Cinereous Dove.
Hab. Brazil.
a. Female. Purchased, Nov. 15, 1886.
- 1309 *a.* *Fulica leucoptera*, Vieill. Strickland's Coot.
Hab. La Plata.
a, b. Purchased, June 3, 1886.

iii. REPTILES.

- 8 *a.* *Testudo trimeni*, Boulgr. Trimen's Tortoise.
Hab. Orange-River District, South Africa.
a, b. Presented by the Rev. G. H. R. Fisk, C.M.Z.S.,
 July 25, 1884.
c-i. Presented by the Rev. G. H. R. Fisk, C.M.Z.S.,
 Oct. 8, 1885. See P. Z. S. 1886, p. 540.
- 8 *b.* *Testudo tentoria*, Bell. Tent Tortoise.
Hab. South Africa.
a. Presented by the Rev. G. H. R. Fisk, C.M.Z.S., March
 25, 1886.
- 8 *c.* *Testudo fiski*, Boulgr. Fisk's Tortoise.
Hab. South Africa.
a. Presented by the Rev. G. H. R. Fisk, C.M.Z.S., June 23,
 1886.

- 35 *a.* *Clemmys insculpta*, Leconte. Sculptured Terrapin.
Hab. North America.
a. Presented by S. Garman, Esq., C.M.Z.S., May 17, 1886.
- 35 *b.* *Clemmys blandingi*, Holbrook. Blanding's Terrapin.
Hab. North America.
a, b. Purchased, July 26, 1886.
- 74 *a.* *Chelymys latisternum* (Gray). Broad-breasted
 Chelymys.
Hab. Australia.
a. Presented by the Rev. Albert Popham, May 15, 1886.
- 98 *a.* *Hemidactylus gleadowii*, Murray. Gleadow's Gecko.
Hab. India.
a-c. Deposited, March 13, 1886.
- 98 *b.* *Hemidactylus coctæi*, Dum. et Bibr. Cocteau's
 Gecko.
Hab. India.
a, b. Deposited, March 13, 1886.
- 102 *b.* *Pachydactylus maculatus*, Smith. Spotted Gecko.
Hab. South Africa.
a. Presented by the Rev. G. H. R. Fisk, C.M.Z.S., June 23,
 1886.
- 104 *a.* *Sphærodactylus argus*, Gosse. Argus Gecko.
Hab. Bahamas.
a. Presented by Mrs. E. Blake, June 17, 1886.
- 128 *a.* *Chalcides lineatus* (Leuck.). Lineated Chalcis.
Hab. South Europe.
a-d. Presented by J. C. Warburg, Esq., June 7, 1886.
 From the south of France.

- 138 *a.* *Plestiodon algeriensis*, Peters. Algerian Skink.
Hab. North Africa.
a. Deposited, Sept. 14, 1886.
- 141 *a.* *Euprepes trivittatus*, Gray. Three-streaked Euprepes.
Hab. South Africa.
a-c. Presented by the Rev. G. H. R. Fisk, C.M.Z.S.,
 June 23, 1886.
- 148 *a.* *Calotes versicolor* (Daud.). Changeable Lizard.
Hab. India.
a, b. Deposited, March 13, 1886.
c. Presented by Mr. Carl Hagenbeck, May 6, 1886. From
 Ceylon.
- 156 *a.* *Uromastix acanthinurus*, Bell. Spiny-tailed Masti-
 gure.
Hab. Sahara.
a. Presented by A. Lazenby Liberty, Esq., F.Z.S., June 17,
 1886.
- 161 *b.* *Ctenosaura erythromelas*, Boulgr. Red-and-Black
 Lizard.
Hab. Central America.
a. Purchased, April 3, 1886. See P. Z. S. 1886, p. 241,
 pl. xxiii.
- 219 *a.* *Liophis pæcilogyrus* (Neuwied). Spot-ringed Snake.
Hab. Brazil.
a. Presented by Edgell Hunt, Esq., Sept. 8, 1886. From
 Rio de Janeiro.
- 223 *a.* *Tropidonotus saurita* (Linn.). Ribbon Snake.
Hab. North America.
a-c. Presented by S. Garman, Esq., C.M.Z.S., May 17,
 1886.
d-i. Born in the Menagerie, Aug. 17, 1886.

- 224 a. *Tropidonotus tessellatus* (Laur.). Tessellated Snake.
Hab. Europe.
a-c. Purchased, May 18, 1886. From Italy.
d. Purchased, May 25, 1886. From Italy.
- 242 a. *Coluber eximius*, Dekay. American Milk-Snake.
Hab. North America.
a. Purchased, July 2, 1886. (Enciente.)
b-f. Born in the Gardens, Sept. 5, 1886.
- 243 a. *Elaphis tæniurus*, Cope. Tail-banded Snake.
Hab. China.
a. Purchased, Dec. 2, 1886.
- 265 a. *Rhagherris multimaculata* (Smith). Many-marked Snake.
Hab. South Africa.
a. Presented by the Rev. G. H. R. Fisk, C.M.Z.S., Jan. 1, 1886. From Little Namaqualand.
- 267 a. *Dendrophis picta* (Gmel.). Painted Tree-Snake.
Hab. Ceylon.
a. Presented by Mr. Carl Hagenbeck, May 6, 1886.
- 304 a. *Craspedocephalus alternatus* (Dum. et Bibr.). Crossed Viper.
Hab. Buenos Ayres.
a, b. Purchased, June 8, 1886.

iv. BATRACHIANS.

- 1 a. *Rana arvalis*, Nilsson. Field Frog.
Hab. Germany.
a-f. Presented by G. A. Boulenger, Esq., F.Z.S., April 14, 1886. See P. Z. S. 1886, p. 242, pl. xxiv.

- 18a. *Hyla dominicensis* (Bibr.). Dominican Tree-Frog.
Hab. Dominica.
a, b. Presented by J. J. Lister, Esq., F.Z.S., June 11,
 1886. From Jamaica.
- 38a. *Molge rusconi* (Gené). Ruscon's Newt.
Hab. Sardinia.
a-d. Presented by Prof. H. H. Giglioli, C.M.Z.S., Aug. 19,
 1886.

v. FISHES.

- 55a. *Umbra krameri* (Müller). Umbre-fish.
Hab. Hungary.
- 65a. *Rhodeus amarus* (Bloch). Bitterling.
Hab. Fresh waters of Central Europe.

*c. List of Animals bred in the Gardens during
 the year 1886.*

MAMMALS.

- 1 Black Lemur (*Lemur macaco*).
 1 White-fronted Lemur (*Lemur albifrons*).
 1 Leopard (*Felis pardus*).
 1 Spotted Hyæna (*Hyæna crocuta*).
 2 Black-backed Jackals (*Canis mesomelas*).
 2 Ring-tailed Coatis (*Nasua rufa*).
 3 Collared Fruit-Bats (*Cynonycteris collaris*).
 3 Canadian Beavers (*Castor canadensis*).
 27 Long-fronted Gerbilles (*Gerbillus longifrons*).
 1 Bandicoot Rat (*Mus bandicoota*).
 2 Viscachas (*Lagostomus trichodactylus*).
 1 African Wild Ass (*Equus tæniopus*).
 1 Yak (*Poephagus grunniens*).
 1 Gayal (*Bibos frontalis*).
 2 Elands (*Oreas canna*).
 1 Thar (*Capra jemlaica*).
 1 Burrhel Wild Sheep (*Ovis burrhel*).

- 2 Wapiti Deer (*Cervus canadensis*).
 1 Three-quarter-bred Wapiti Deer. (Bred between a male hybrid between *Cervus luehdorfi* and female *C. canadensis* and a female *C. canadensis*.)
 3 Japanese Deer (*Cervus sika*).
 1 Hog-Deer (*Cervus porcinus*).
 2 Axis Deer (*Cervus axis*).
 1 Mesopotamian Fallow Deer (*Dama mesopotamica*).
 4 Mule Deer (*Cariacus macrotis*).
 1 Pygmy Hog (*Porcula salvania*).
 3 Vulpine Phalangers (*Phalangista vulpina*).
 2 Red Kangaroos (*Macropus rufus*).
 1 Great Kangaroo (*Macropus giganteus*).
 1 Yellow-footed Rock-Kangaroo (*Petrogale xanthopus*).
 1 Bennett's Wallaby (*Halmaturus bennetti*).

BIRDS.

- 2 Common Wild Ducks (*Anas boschas*).
 5 Slender Ducks (*Anas gibberifrons*).
 4 Brazilian Teal (*Querquedula brasiliensis*).
 7 Chilian Pintail (*Dafila spinicauda*).
 12 Mandarin Ducks (*Æx galericulata*).
 1 Red-crested Pochard (*Fuligula rufina*).
 4 Ring-Doves (*Columba palumbus*).
 5 Triangular-spotted Pigeons (*Columba guinea*).
 1 Porto-Rico Pigeon (*Columba corensis*).
 1 Barred-shouldered Dove (*Geopelia humeralis*).
 1 Vinaceous Turtle-Dove (*Turtur vinaceus*).
 10 Barbary Turtle-Doves (*Turtur risorius*).
 2 Geoffroy's Doves (*Peristera geoffroyi*).
 2 Auriculated Doves (*Zenaida auriculata*).
 1 Bronze-spotted Dove (*Chalcopelia chalcospilos*).
 2 Crested Pigeons (*Ocyphaps lophotes*).
 2 Bronze-winged Pigeons (*Phaps chalcoptera*).
 1 Common Crowned Pigeon (*Goura coronata*).
 1 Himalayan Monaul (*Lophophorus impeyanus*).
 1 Argus Pheasant (*Argus giganteus*).

REPTILES.

- 6 Ribbon Snakes (*Tropidonotus saurita*).
 5 American Milk-Snakes (*Coluber eximius*).
 8 Grass-green Tree-Snakes (*Dryophis prasina*).

d. *List of Donors and their Donations for the
year 1886.*

- Alexander, Capt. H. J.
One Herring-Gull.
- Argyll, His Grace The Duke of, K.G., F.Z.S.
Two Golden Eagles.
- Armbrecht, E. L., Esq.
Twelve Barbary Turtle-Doves.
- Armstrong, Duncan, Esq.
One Green Monkey.
- Astley, The Rev. H. D., F.Z.S.
One Short-eared Owl.
- Atkinson, N., Esq.
One King Vulture.
- Ayerst, W. E., Esq., F.Z.S.
One Red-crested Cardinal.
- Bacon, J. W., Esq.
One Green Monkey.
- Bailey, Mr. Thomas.
One Patas Monkey.
- Balfour, Miss Grace.
One Macaque Monkey.
- Ballantyne, Mr. G.
One Rhesus Monkey.
- Barlow, Capt. B. J.
One Poë Honey-eater.
- Barrett, O. Moulton, Esq.
One Common Cormorant.
- Barrington, Mrs.
One Malbrouck Monkey.
- Bashall, Miss.
One Mona Monkey.
- Bateson-de-Yarburgh, G., Esq.
One Kestrel.
- Bauer, Dr. F. H., C.M.Z.S.
One Javan Loris.
- Bell, J. W., Esq.
One Common Rhea.
- Bell, Thomas, Esq.
Two Collared Peccaries.
- Bellas, Hugh, Esq.
Four Florida Tortoises.

- Bendall, Miss Maude.
One Large Hill-Mynah.
- Best, Alfred, Esq.
One Ring-tailed Lemur.
- Bevington, James B., Esq.
One Grey Ichneumon.
- Bewick, Percy Bewick, Esq.
One Lion Marmoset.
- Black, C. Crofton, Esq.
1 Dark-backed Squirrel.
- Blacker, W., Esq.
Seven Common Vipers.
- Blake, Mrs. E.
Two Black-billed Tree-Ducks, one Violaceous Night-Heron, one Brazilian Cormorant, one Fugitive Snake, one Argus Gecko, one Tarantula Spider.
- Blake, H. A., Esq.
One White-throated Capuchin, one Clouded Iguana.
- Blind, Master Eric.
One Patas Monkey.
- Booker, Mr. J. M.
One Martinique Gallinule.
- Boon, Dr. Alfred P., F.R.C.S., C.M.Z.S.
One West-Indian Agouti, two Dominican Kestrels, two Green Bitterns, two Violaceous Night-Herons, one Garden's Night-Heron.
- Boulenger, G. A., Esq., F.Z.S.
Six Field-Frogs, one Fire-bellied Toad, twenty Pal-mated Newts.
- Boyle, Capt.
One Rhesus Monkey.
- Bradshaw, W. S., Esq.
One Ring-necked Parrakeet.
- Braybrooke, The Lord, F.Z.S.
One Greater Sulphur-crested Cockatoo, one Barnard's Parrakeet.
- Brewer, T. L., Esq.
One Rhesus Monkey.
- Brooks, John, Esq.
One Wild Swine.
- Brown, C., Esq.
One Toque Monkey.
- Brown, Herbert W., Esq.
One Spotted Ichneumon.

- Buchanan, Mrs. J. J.
One Rhesus Monkey.
- Buckley, W., Esq.
One Polecat.
- Buller, Sir Walter L., K.C.M.G., F.R.S., C.M.Z.S.
One Poë Honey-eater, one Huia Bird, two Australian Gannets.
- Burland, Col. Harris.
Two Egyptian Geese.
- Burnard, George B., Esq.
Six Long-eared Owls.
- Bushell, Dr. S. W., C.M.Z.S.
Two Tcheli Monkeys.
- Carnarvon, The Earl of.
One Canadian Beaver.
- Carnie, T. West, Esq.
One Varying Hare.
- Carter, Mrs.
One Macaque Monkey.
- Carter, H. R. P., Esq.
One Small-footed Hedgehog.
- Chapman, Mrs.
One Red-handed Tamarin.
- Church, T. H., Esq.
Two Common Boas.
- Clements, J., Esq.
Two Peba Armadillos.
- Clifton, C., Esq., F.Z.S.
Two Military Macaws, one Red-and-Yellow Macaw.
- Clowes, E. A., Esq.
Two Mexican Guans.
- Collett, Mrs.
One Ring-tailed Lemur.
- Collings, W. F., Esq.
Two Black Rats.
- Collins, E. R., Esq.
One Jay.
- Colvin, R. B., Esq.
One Wedge-tailed Eagle.
- Conklin, W. A., Esq., C.M.Z.S.
Four Copper-head Snakes, two Common Rattlesnakes, one Hog-nosed Snake, two Gambel's Partridges.

- Cook, J. M., Esq., F.Z.S.
Four Siamese Blue Pies, two Small Hill-Mynahs,
one Rufous-necked Weaver-bird.
- Coombe, Percy E., Esq.
One Common Viper.
- Corbet, Mrs.
One Macaque Monkey.
- Cornély, Mons. J. M., C.M.Z.S.
Two Cambayan Turtle-Doves.
- Coston, Mr. J.
One Macaque Monkey.
- Crawshay, Lionel R., Esq.
One Malbrouck Monkey.
- Cripps, Harrison, Esq., F.R.C.S.
Two Common Foxes.
- Crowley, Philip, Esq., F.Z.S.
Five Great Eagle-Owls.
- Cutting, Capt. J.
One Grey Ichneumon.
- Dashwood, C. E., Esq.
One Ring-tailed Coati.
- Dashwood, E. Vere, Esq.
Eight Viscachas.
- Daunt, Mrs. Arthur.
One Red-and-Yellow Macaw.
- Davis, J., Esq.
One Leadbeater's Cockatoo.
- Dawe, F. J., Esq.
Two Alligators.
- Dennett, R. E., Esq.
Two Talapoin Monkeys.
- D'Epresménil, Baron.
Two Lanner Facons, three Goshawks.
- Dixon, J. Church, Esq.
One Common Genet.
- Doran, Alban, Esq., F.R.C.S.
Two Spanish Terrapins, one Green Lizard, two Edible
Frogs, one Fire-bellied Toad, one Green Toad, one
Common Toad, one Spotted Salamander, six Axolotls,
eight Bitterlings, two Thunder-fish, one Ground-
Loach.
- Douglas, Miss.
One Bonnet-Monkey.

- Douglas, Capt. Archibald, R.N.
One Indian Civet.
- Duffin, Lieut. W. H. (King's Own Regt.).
One Blue-and-Yellow Macaw.
- Dunn, Mrs. E.
One Crested Porcupine.
- Dunn, Mrs.
One Green Monkey.
- Eden, Miss.
One Spanish Terrapin.
- Edson, G., Esq.
Two Wild Ducks.
- Ellis, James, Esq., F.S.A. Scot.
One Mountain Ka-Ka.
- Ensor, Weber, and Co., Messrs.
Two Red Foxes.
- Evans, Mr. D.
One Macaque Monkey.
- Evershed, A., Esq.
One Black-eared Marmoset.
- Fairclough, R. A., Esq.
One Levaillant's Cynictis, five Suricates, two Triangular-spotted Pigeons, two Cape Turtle-Doves, three Vinaceous Turtle-Doves.
- Fairfax, Rear-Admiral Henry, R.N., F.Z.S.
One Sclater's Curassow, one Razor-billed Curassow, one Lesser Razor-billed Curassow.
- Faulkner, Mrs.
One Rhesus Monkey.
- Fell, Mrs. Otto.
One Hairy-rumped Agouti.
- Festing, Major A. Morton.
One West-African Python.
- Fisher, Miss G. M.
One Bonnet-Monkey.
- Fisk, The Rev. G. H. R., C.M.Z.S.
One Caracal, one Crested Porcupine, one Egyptian Goose, five Leopard Tortoises, one Fisk's Tortoise, eleven Geometric Tortoises, one Tent Tortoise, six Areolated Tortoises, twelve Angulated Tortoises, one Ocellated Gecko, one Spotted Gecko, two Three-streaked Euprepes, one Spotted Slowworm, four Sepiform Lizards, one Bipes, two Dwarf Chameleons, one Smooth-bellied Snake, three Rhomb-marked

- Snakes, one Many-marked Snake, seven Hoary Snakes, three Robben-Island Snakes, two Crossed Snakes, three Infernal Snakes, two Hygian Snakes, one African Cobra, one Puff-Adder, five Horned Vipers.
- Fletcher, Mrs. J.
One Blue-fronted Amazon.
- Flower, Master Stanley S.
One Sand-Lizard.
- Forwood, P. L., Esq.
One African Buzzard.
- Fraser, Col. E. L.
One Tawny Eagle.
- Fraser, Lieut. R. G., R.N.
One Loggerhead Turtle.
- Freeman, Capt. G. W.
Two Azara's Opossums.
- Galland, Mrs. Robert.
One Raven.
- Garman, Samuel, Esq., C.M.Z.S.
Three Speckled Terrapins, seven Painted Terrapins, one Sculptured Terrapin, eleven Striped Snakes, three Ribbon-Snakes, seven Dekay's Snakes, four Grass-Snakes.
- Geloes, The Countess de.
One Macaque Monkey.
- Giglioli, Prof. H. H., C.M.Z.S.
Four Ruscon's Newts, eighteen Brown Newts, six Spectacled Salamanders.
- Grant, W. R. Ogilvie, Esq.
Two Shaw's Gerbilles.
- Green, F., Esq.
One Northern Mocking-bird.
- Green, F. W., Esq.
One Barred Dove.
- Greenwood, Mrs.
One Grey Parrot.
- Gregory, Master C. G.
One Tawny Owl.
- Grenfell, Alfred, Esq.
One Puma.
- Griffith, T. Risely, Esq.
One Lesser White-nosed Monkey.
- Grove-Grady, Mrs. S. M.
One Macaque Monkey.

- Gully, E., Esq.
One Common Badger.
- Gunn, Mr. T. E.
One Tree-Sparrow, one Mealy Redpole, three Starlings, four Moorhens.
- Günther, Dr. A., F.R.S., V.P.Z.S.
One Quail, one Asiatic Quail.
- Guppy, R. J. Lechmere, Esq., C.M.Z.S.
Four Red-bellied Squirrels.
- Gurney, J. H., Esq., F.Z.S.
One Common Guillemot, one Gannet.
- Haast, Sir Julius von, K.C.M.G., F.R.S., C.M.Z.S.
Nine Tuatera Lizards.
- Hagenbeck, Mr. Carl.
One Two-banded Monitor, one Changeable Lizard, one Long-snouted Snake, one Painted Tree-Snake, two Indian Rat-Snakes, one Indian Cobra.
- Hamilton, Mr. R. J.
One Maugé's Dasyure.
- Hanbury, Lionel H., Esq.
One Alpine Marmot, two Tawny Owls.
- Harris, Mr. Thomas.
One Rhesus Monkey.
- Hatfield, Mr. F. C.
One Common Gannet.
- Hawtayne, G. H., Esq., C.M.Z.S.
One Roseate Cockatoo.
- Hay, Capt. Robert.
One Binturong.
- Hervey, Dudley, Esq.
One White-handed Gibbon, one Binturong, one White-whiskered Paradoxure.
- Hewat, Capt. John, C.M.Z.S.
One Black-backed Jackal, one Spring-bok, six Black-footed Penguins.
- Hewby, W. P., Esq.
One Mona Monkey.
- Heywood, Arthur, Esq., F.Z.S.
Three Gold Pheasants.
- Hicks, Capt.
Two Three-toed Sloths.
- Hicks, Mr. S. R.
One Macaque Monkey.

- Higginson, Lieut.-Gen. G. W. A., C.B.
One Chacma Baboon, one Malbrouck Monkey.
- Hill, The Viscount.
Two Great Eagle-Owls.
- Hodge, Miss.
One Californian Quail, one Herring-Gull.
- Holdsworth, W., Esq.
One Golden Eagle.
- Holloway, Mrs. E.
One Common Barn-Owl.
- Hopley, Miss C. C.
One Hog-nosed Snake.
- Hough, E. J., Esq.
One Gazelle.
- Hudson, Miss Gertrude.
One Common Squirrel.
- Hudson, Thomson, Esq.
Seven European Tree-Frogs.
- Humphreys, R., Esq.
One Jay.
- Hunt, Miss Maysie.
One Pale-headed Tree-Boa.
- Hunt, Edgell, Esq.
One Spot-ringed Snake.
- Hunter, R., Esq.
Two Common Peafowls.
- Huntley, Dr. Joseph, F.Z.S.
Four Chukar Partridges.
- Hutchinson, Mr. A. S.
One Greater Spotted Woodpecker.
- Ingham, G. D. W., Esq.
One Green Monkey.
- Jackson, F. J., Esq., F.Z.S.
One Serval, one White-tailed Ichneumon.
- James, Harry Berkeley, Esq., F.Z.S.
One Pudu Deer, five Chilian Sea-Eagles, two Barn-Owls, two Black-chinned Siskins, one Diuca Finch, two Auriculated Doves, five Capoeira Partridges, one Antarctic Skua, one White-tailed Buzzard, two Red-headed Finches, two Saffron Finches.
- Joachim, Miss.
One Blue-fronted Amazon.
- Johnson, Mrs. S., F.Z.S.
One Red-bellied Waxbill.

- Johnson, Cuthbert, Esq.
One Kingfisher, three Spanish Terrapins.
- Jones, R. J., Esq.
One Condor, one Orange-thighed Falcon.
- Julius, Stanley A., Esq.
One Indian Cobra.
- Kellsell, J. E., Esq.
One Canada Goose.
- Kershaw, C., Esq.
One Common Chameleon.
- King, N., Esq.
One White-crowned Mangabey.
- Knox, H. V., Esq.
One Golden Eagle.
- Kuch-Behar, H. H. The Maharajah of, F.Z.S.
One Indian Rhinoceros.
- Kühner, Hendschell, & Co., Messrs.
One Brown Capuchin.
- Langborne, Mr. George.
One Yellow-footed Rock-Kangaroo.
- Larkins, Mrs.
One Purple-faced Monkey.
- Lathom, Master J. Locke.
One Song-Thrush, one Blackbird.
- Lawson, Kenneth, Esq.
One Wild Duck, one Quail.
- Leech, J. H., Esq., F.Z.S.
One Cerastes Viper.
- Levick, T. H. Carlton, Esq.
One Common Chameleon.
- Lewis, L. B., Esq.
Three Striated Finches, one Nutmeg Bird, two Black-headed Finches.
- Liberty, A. Lazonby, Esq., F.Z.S.
One Spiny-tailed Mastigure.
- Liddell, George, Esq., R.N.
Two Squirrel-Monkeys.
- Lilford, The Lord, F.Z.S.
Two Indian Crows, one Many-zoned Hawk, one Red-throated Diver.
- Lister, J. J., Esq., F.Z.S.
Two Dominican Tree-Frogs.
- Liveing, Mr. C. H.
One Lesser Redpole, one Brambling.

- Lloyd, Mrs. Samuel.
One Bonnet-Monkey.
- Lonsdale, The Dowager Countess of.
Two Macaque Monkeys.
- Lynn, Mr. T. P.
One Ring-tailed Coati.
- MacGregor, The Rev. W.
One Nisnas Monkey.
- M^cNeile, Col. J. M.
One Rhesus Monkey.
- M^cNiven, C. F., Esq.
Ten Common Vipers.
- Mainwaring, H., Esq.
Two Sloth Bears.
- Malcolm, J. S., Esq.
Two Kestrels.
- Marks, H. Stacy, Esq., R.A., F.Z.S.
One Pennant's Broadtail.
- Marriott, C. A., Esq.
One Herring-Gull.
- Marsh, A. T., Esq.
One Black-backed Jackal.
- Mathew, Mr.
One White-fronted Capuchin.
- Mazzoni, Madame Tina.
One Common Hedgehog.
- Mead, A., Esq.
Two Slowworms.
- Mead, Dr. R.
One Hobby.
- Mellersh, Admiral.
Two Greek Tortoises.
- Michaelis, Mrs. Max.
Two Maholi Galagos.
- Michele, Vitele de, Esq.
One Hybrid Macaque Monkey.
- Moolenaar, The Rev. H. K.
One Malbrouck Monkey.
- Moore, The Rev. Wm. Bramley.
One Yarrell's Curassow, one Razor-billed Curassow,
one Lesser Razor-billed Curassow, one Red-billed
Tree-Duck, two White-faced Tree-Ducks.
- Moore, Mr. James.
Five Forster's Milvagos.

- Moore, Mrs. M. A.
One Quail.
- Moreton, The Lord, F.Z.S.
Two Moorhens.
- Morgan, L. H. G., Esq.
One Macaque Monkey.
- Morgan, Mr. J. W.
One Common Fox.
- Morris, D., Esq.
One Naked-necked Iguana.
- Mosenthal, Frederick, Esq.
Two Black-backed Jackals.
- Mowatt, Mrs.
Two Common Vipers.
- Müller, Burt C., Esq.
Two Elegant Galidias.
- Murray, T. Douglas, Esq., F.Z.S.
One Chinese Mynah.
- Neck, Mrs. C.
One Grey Squirrel (Black variety).
- Nicols, Daniel, Esq.
Two Common Boas.
- Ogilvy, Angus, Esq.
One Ring-tailed Lemur.
- Overton, Mr. H.
One Common Seal.
- Orange, J., Esq.
One Masked Paradoxure.
- Pagella, Miss A.
One Ring-tailed Coati.
- Pain, W. H. B., Esq.
Four Common Vipers, one Smooth Snake.
- Palgrave, C., Esq., F.Z.S.
One Arabian Baboon.
- Parfitt, Dr. E.
Two Tuatera Lizards.
- Paul, Messrs., & Co.
A collection of Freshwater Fishes.
- Peckover, H. J., Esq.
One Rook.
- Penton, E., jun., Esq.
One Herring-Gull.
- Phillips, Bros., Messrs.
One Bonnet-Monkey.

- Pile, Mrs. Conrad.
Two Java Sparrows, two St. Helena Seed-eaters.
- Pillans, C. B., Esq.
One Horned Viper.
- Pitman, Capt.
One Rhesus Monkey.
- Popham, The Rev. Albert.
One Broad-breasted Chelymys.
- Port, Charles T., Esq., F.Z.S.
One Common Chameleon.
- Porter, The Rev. W. C.
One Garnett's Galago.
- Priestley, A. Browning, Esq.
One Common Fox.
- Prince, Mrs. F. E. A.
One Pig-tailed Monkey.
- Proger, T. W., Esq.
One Grey Ichneumon, one Demoiselle Crane.
- Prowse, Miss Edith.
One Bonnet-Monkey.
- Quish, Mrs. George.
One Blue-and-Yellow Macaw.
- Radcliffe, Mr. F.
One Chacma Baboon.
- Rae, W. J., Esq.
One Martinique Gallinule.
- Reader, Mrs. H.
One Macaque Monkey.
- Reynolds, The Rev. C. W. H.
One Jackal Buzzard.
- Riccard, H. H., Esq.
One Orang-outang.
- Richards, Mr. G. F.
One Orange-winged Amazon.
- Rigaud, Capt. H. E.
Two Derbian Screammers.
- Robbins, Capt.
One Egyptian Gazelle.
- Robertson, W. J., Esq.
One Stein-bok Antelope.
- Robertson, W., Esq.
Two Common Vipers.
- Robins, S. Upton, Esq.
One Crowned Horned Lizard.

- Robinson, Capt. J. C.
One Indian Antelope.
- Robinson, Capt. T. W.
One Patas Monkey.
- Rollitt, Sir Albert Kaye, M.P., F.Z.S.
One Fighting Ram.
- Rooff, W. A., Esq.
One Grey Ichneumon.
- Rope, G. T., Esq.
One Bank-Vole.
- Ross, C. A., Esq.
One Common Badger.
- Rosset, C. W., Esq.
One Ceylonese Hanging Parrakeet.
- Rothschild, The Hon. Walter.
One Common Badger, four Aldrovandi's Skinks.
- Rudge, C., Esq.
Three Yellow-headed Conures.
- Russell, B. F., Esq.
One Line-tailed Souslik.
- Russell, The Lord Arthur, F.Z.S.
Two Ring-Doves.
- Sangiorgi, Madame G.
One Squirrel-Monkey, one White-throated Capuchin.
- Sargent, Capt. S. T.
Four Herring-Gulls.
- Schäfer, Mr. Sherard.
Twenty-four Sand-Lizards, one Slowworm, one
Common Snake.
- Sclater, W. L., Esq., B.A., F.Z.S.
A collection of Sea-Anemones &c.
- Seyd, R., Esq., F.Z.S.
Six Barbary Turtle-Doves.
- Shackthwaite, Miss.
One Ring-necked Parrakeet.
- Sherratt, Mr. H. M.
One Macaque Monkey.
- Sheridan, R. B., Esq.
Five Senegal Parrots.
- Siemens, Lady.
Two Mute Swans, one Common Peafowl.
- Simpson, Miss C. S.
One Crested Porcupine.
- Simpson, G. F., Esq.
One Banded Ichneumon.

- Sinclair, Mrs.
One Vervet Monkey.
- Smith, Capt. Henderson, R.N.
One Yellow Baboon.
- Smith, Capt. J.
One Rough Fox.
- Smith, Capt. Asher.
One Brown Bear.
- Smith, Mr. G.
One Golden Plover.
- Somerville, Dr. W.
One Bateleur Eagle.
- Spalding, R. B., Esq.
One Common Viper.
- Spry, A. F., Esq.
One Bronze-winged Pigeon.
- Stevens, H., Esq.
One Greater Black-backed Gull.
- Stevenson, F. J., Esq.
Three American Charr.
- Steward, F. W., Esq.
One Rhesus Monkey.
- Stewart-Savile, Miss.
One Malayan Bear.
- Strutt, W., Esq.
Two Hawfinches.
- Strutt, Dr. Frederick C.
Five Adorned Ceratophrys.
- Sutherland, Capt. R.
One Tuatera Lizard.
- Talbot, Gerald F., Esq.
One Prairie-Wolf.
- Tatham, Mrs.
One Raven.
- Teil, R. M. J., Esq.
Two Green Lizards, one Slowworm, one Aldrovandi's Skink.
- Theed, J. H. N., Esq., Lt. R.N.
One Ring-tailed Coati.
- Thom, R., Esq., F.Z.S.
Two Grey Seals.
- Thomas, Mrs. E.
One Black-backed Jackal.
- Thompson, F. J., Esq.
Four American Hares, six Prairie-Marmots.

- Thomson, Miss Agnes.
One Ring-tailed Coati.
- Thomson, James, Esq.
Two Black-tailed Parrakeets.
- Thorne, A., Esq.
One Bonnet-Monkey.
- Thwaites, —, Esq.
Two Hybrid Tufted Ducks.
- Thwaites, Messrs. H. & V. A. Julius.
One Indian Cobra.
- Tweedy, Hugh J., Esq.
One Domestic Sheep.
- Tyler, Sir Henry W., M.P.
One Barn-Owl.
- Vogel, The Hon. Sir Julius, K.C.M.G.
Six Tuatera Lizards.
- Walker, Mrs. F.
Two Common Toads.
- Walkinshaw, W., Esq.
Four Common Hedgehogs.
- Waller, Gerald, Esq., F.Z.S.
One Common Viper.
- Warburg, J. C., Esq.
Twelve Moorish Geckos, four Lineated Chalcis.
- Ward, J. H., Esq.
One Peregrine Falcon.
- Ward, J. Rowland, Esq., F.Z.S.
Four Sparrow-Hawks.
- Webster, Capt., M.P.
Twelve Common Quails.
- Weighell, Capt. H.
Three Japanese Goldfish.
- Wells, S., Esq.
Two Wells' Doves.
- Westrup, Miss F.
One Common Squirrel.
- White, Miss Janet D.
One Mississippi Alligator.
- White, Mrs. E.
One Rhesus Monkey.
- Whympers, C., Esq., F.Z.S.
One Stock-Dove.
- Willing, Mrs. George.
One Bonnet-Monkey.

- Wilson, Miss Townshend.
One Rose-crested Cockatoo.
- Withers, Capt. J. C.
One Indian Otter.
- Woakes, Dr. E.
One Bonnet-Monkey.
- Wolfe, J. E., Esq.
One Brazilian Tree-Porcupine.
- Woods, W., Esq.
One Greater Sulphur-crested Cockatoo.
- Wright, Prof. Ramsay, F.Z.S.
Four Menobranchs.
- Wroughton, E. N., Esq.
One Common Toad.
- Wrzesniowski, Dr. A.
One Grey-striped Mouse.

Conclusion.

The Council cannot conclude their Report without acknowledging the assistance they have received from the Committee of Publication, upon whom is devolved, in accordance with the By-Laws, the arrangement and supervision of the Society's Scientific Publications.

The Council have also to ask you to thank those Fellows of the Society who during the past year have audited the Accounts and have served on the Finance Committee.

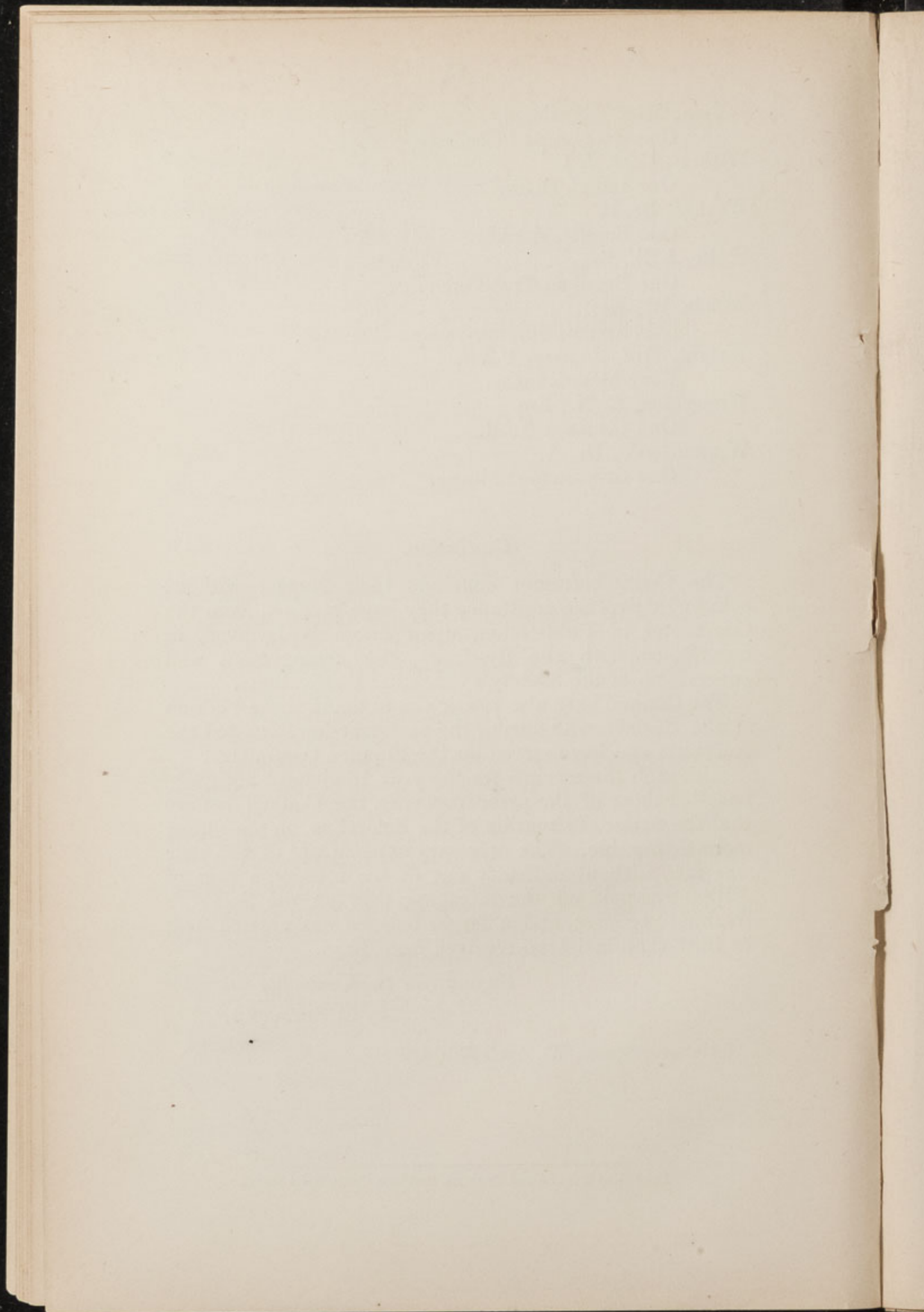
Although the receipts for the year 1886 have not quite equalled those of the preceding year, the Council believe that the financial situation of the Society is, on the whole, more favourable. The necessary expenditure of the year was met without difficulty out of the income, a sum of £1000 was paid off the mortgage debt on the Society's freehold premises, and a larger balance was carried over to 1887 than had been received from 1885.

Signed (for the Council),

P. L. SCLATER,

Secretary.

3 Hanover Square, W., April 29th, 1887.



REPORT
OF THE
AUDITORS OF THE ACCOUNTS
OF THE
ZOOLOGICAL SOCIETY OF LONDON,
Appointed January 19, 1887.

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THE Committee of Auditors to the Zoological Society having fully examined the accounts, inspected the books, and seen vouchers for all the various payments ordered by the Council for the year ending December 31st, 1886, respectfully submit to the Society an abstract of the accounts, together with a statement of the Assets and Liabilities at the close of the year.

## RECEIPTS IN 1886.

|                                              |                                     |        | £             | s.       | d.       |
|----------------------------------------------|-------------------------------------|--------|---------------|----------|----------|
| Balance brought from December 31, 1885 ..... |                                     |        | 972           | 8        | 1        |
| <b>INCOME.</b>                               |                                     |        |               |          |          |
|                                              |                                     |        | £             | s.       | d.       |
| 1881                                         | Ivory Tickets .....                 |        | 1             | 1        | 0        |
| 1882                                         | Ivory Tickets .....                 |        | 1             | 1        | 0        |
| 1883                                         | Ivory Tickets .....                 |        | 1             | 1        | 0        |
| 1884                                         | Annual Subscriptions .....          |        | 3             | 0        | 0        |
| 1885                                         | Garden Sales .....                  | 80     | 9             | 9        |          |
|                                              | Rent for Refreshment-Rooms .....    | 35     | 13            | 4        |          |
|                                              | Rent for Freehold Premises.....     | 63     | 15            | 0        |          |
|                                              | Admission Fees .....                | 45     | 0             | 0        |          |
|                                              | Subscriptions .....                 | 15     | 0             | 0        |          |
|                                              | Publication Sales .....             | 112    | 12            | 0        |          |
|                                              |                                     |        | 352           | 10       | 1        |
| 1886                                         | Admissions to Gardens .....         | 14,974 | 4             | 0        |          |
|                                              | Elephant and Camel Riding Receipts. | 454    | 7             | 1        |          |
|                                              | Garden Sales .....                  | 653    | 1             | 9        |          |
|                                              | Rent for Refreshment-Rooms .....    | 991    | 0             | 0        |          |
|                                              | Rent for Freehold Premises.....     | 191    | 5             | 0        |          |
|                                              | Admission Fees .....                | 445    | 0             | 0        |          |
|                                              | Compositions .....                  | 630    | 0             | 0        |          |
|                                              | Annual Subscriptions .....          | 6,080  | 0             | 0        |          |
|                                              | Ivory Tickets .....                 | 42     | 1             | 0        |          |
|                                              | Publication Subscriptions.....      | 536    | 11            | 0        |          |
|                                              | Publication Sales .....             | 72     | 8             | 5        |          |
|                                              | Dividends (Davis Trust) .....       | 73     | 9             | 4        |          |
| Miscellaneous .....                          | 85                                  | 0      | 8             |          |          |
|                                              |                                     |        | 25,228        | 8        | 3        |
| 1887                                         | Annual Subscriptions .....          | 180    | 0             | 0        |          |
|                                              | Ivory Tickets .....                 | 2      | 2             | 0        |          |
|                                              | Publication Subscriptions.....      | 16     | 16            | 0        |          |
|                                              |                                     |        | 198           | 18       | 0        |
| 1888                                         | Publication Subscriptions.....      |        | 1             | 1        | 0        |
| <b>INCOME RECEIVED IN 1886 .....</b>         |                                     |        | <b>25,787</b> | <b>0</b> | <b>4</b> |
|                                              |                                     |        |               |          |          |
|                                              |                                     |        | <b>25,787</b> | <b>0</b> | <b>4</b> |
|                                              |                                     |        |               |          |          |
|                                              |                                     |        | <b>26,759</b> | <b>8</b> | <b>5</b> |

## PAYMENTS IN 1886.

| EXPENDITURE.                                                | Belonging to |           |          |               |           |          | Total.        |           |          |
|-------------------------------------------------------------|--------------|-----------|----------|---------------|-----------|----------|---------------|-----------|----------|
|                                                             | 1885.        |           |          | 1886.         |           |          |               |           |          |
|                                                             | £            | s.        | d.       | £             | s.        | d.       | £             | s.        | d.       |
| Rent, Rates, Taxes, and Insurance..Gardens                  | 398          | 5         | 7        | 1,104         | 19        | 11       | 1,503         | 5         | 6        |
| Ditto ditto .....Office                                     | 45           | 17        | 3        | 151           | 4         | 10       | 197           | 2         | 1        |
| Salaries, Wages, and Pensions ...Gardens                    |              |           |          | 3,835         | 1         | 3        | 3,835         | 1         | 3        |
| Ditto ditto ..... Office                                    |              |           |          | 2,102         | 3         | 6        | 2,102         | 3         | 6        |
| Provisions .....                                            | 336          | 10        | 0        | 3,704         | 16        | 4        | 4,041         | 6         | 4        |
| Cost and Carriage of Animals .....                          | 57           | 7         | 0        | 745           | 14        | 6        | 803           | 1         | 6        |
| Menagerie Expenses .....                                    | 331          | 14        | 6        | 3,230         | 3         | 11       | 3,561         | 18        | 5        |
| Keepers' Dresses.....                                       | 15           | 0         | 0        | 152           | 6         | 6        | 167           | 6         | 6        |
| Works, Materials, &c. ....Gardens                           | 138          | 17        | 0        | 2,386         | 1         | 10       | 2,524         | 18        | 10       |
| Ditto ditto ..... Office                                    | 56           | 11        | 10       | 4             | 8         | 8        | 61            | 0         | 6        |
| Garden Expenses .....                                       | 2            | 3         | 0        | 789           | 14        | 9        | 791           | 17        | 9        |
| Advertisements .....                                        | 43           | 11        | 3        | 190           | 14        | 11       | 234           | 6         | 2        |
| Band Expenses .....                                         |              |           |          | 225           | 12        | 0        | 225           | 12        | 0        |
| House and Office Expenses.....Gardens                       | 32           | 4         | 5        | 226           | 9         | 5        | 258           | 13        | 10       |
| Ditto ditto .....Office                                     | 36           | 15        | 6        | 490           | 15        | 0        | 527           | 10        | 6        |
| Stationery .....                                            | 16           | 1         | 11       | 46            | 18        | 10       | 63            | 0         | 9        |
| Printing (Miscellaneous) .....                              | 36           | 6         | 6        | 287           | 19        | 9        | 324           | 6         | 3        |
| Cost of Publications .....                                  | 388          | 1         | 2        | 1,720         | 3         | 1        | 2,108         | 4         | 3        |
| Library Expenses .....                                      | 121          | 8         | 6        | 511           | 14        | 2        | 633           | 2         | 8        |
| Law Expenses.....                                           | 3            | 3         | 0        |               |           |          | 3             | 3         | 0        |
| Returned Subscriptions.....                                 |              |           |          | 53            | 5         | 0        | 53            | 5         | 0        |
| Expenditure of Davis Bequest.....                           |              |           |          | 80            | 19        | 6        | 80            | 19        | 6        |
| Interest on Mortgage Debt .....                             |              |           |          | 367           | 6         | 8        | 367           | 6         | 8        |
| Grant in aid of Science.....                                |              |           |          | 100           | 0         | 0        | 100           | 0         | 0        |
| <b>EXPENDITURE PAID IN 1886 .....</b>                       | <b>2,059</b> | <b>18</b> | <b>5</b> | <b>22,508</b> | <b>14</b> | <b>4</b> | <b>24,568</b> | <b>12</b> | <b>9</b> |
| <br>Paid Messrs. Drummond on account of Mortgage Debt ..... |              |           |          |               |           |          | 1,000         | 0         | 0        |
| Cash at the Banker's, December 31, 1886 :—                  |              |           |          |               |           |          |               |           |          |
| General Account .....                                       | £772         | 11        | 6        |               |           |          |               |           |          |
| Petty Cash Account .....                                    | 418          | 4         | 2        |               |           |          |               |           |          |
|                                                             |              |           |          |               |           |          | 1,190         | 15        | 8        |
|                                                             |              |           |          |               |           |          | <b>26,759</b> | <b>8</b>  | <b>5</b> |

*Comparison of Receipts in 1885 and 1886.*

| <i>Receipts.</i>                                                                                                                      |                |                |                |                |
|---------------------------------------------------------------------------------------------------------------------------------------|----------------|----------------|----------------|----------------|
|                                                                                                                                       | Income of      |                | Increase.      | Decrease.      |
|                                                                                                                                       | 1886.          | 1885.          |                |                |
|                                                                                                                                       | <i>£ s. d.</i> | <i>£ s. d.</i> | <i>£ s. d.</i> | <i>£ s. d.</i> |
| Admissions to Gardens..                                                                                                               | 14,974 4 0     | 14,891 6 6     | 82 17 6        | .....          |
| Elephant and Camel riding receipts .....                                                                                              | 454 7 1        | 449 8 5        | 4 18 8         | .....          |
| Garden Sales .....                                                                                                                    | 733 11 6       | 580 17 11      | 152 13 7       | .....          |
| Rent for Refreshment-Rooms .....                                                                                                      | 1,026 13 4     | 1,101 6 8      | .....          | 74 13 4        |
| Rent for Freehold Premises .....                                                                                                      | 255 0 0        | 253 15 0       | 1 5 0          | .....          |
| Admission Fees:—                                                                                                                      |                |                |                | 25 0 0         |
| Past.....                                                                                                                             | 45 0 0         | 70 0 0         | .....          | .....          |
| Present .....                                                                                                                         | 445 0 0        | 425 0 0        | 20 0 0         | .....          |
| Annual Subscriptions:—                                                                                                                |                |                |                | 9 0 0          |
| Past.....                                                                                                                             | 18 0 0         | 27 0 0         | .....          | .....          |
| Present .....                                                                                                                         | 6,080 0 0      | 6,244 0 0      | .....          | 164 0 0        |
| Future .....                                                                                                                          | 180 0 0        | 150 0 0        | 30 0 0         | .....          |
| Compositions .....                                                                                                                    | 630 0 0        | 630 0 0        | .....          | .....          |
| Ivory Tickets .....                                                                                                                   | 47 6 0         | 19 19 0        | 27 7 0         | .....          |
| Publications .....                                                                                                                    | 739 8 5        | 791 3 4        | .....          | 51 14 11       |
| Dividends on Davis Bequest.....                                                                                                       | 73 9 4         | 73 17 3        | .....          | 0 7 11         |
| Miscellaneous.....                                                                                                                    | 85 0 8         | 101 16 0       | .....          | 16 15 4        |
|                                                                                                                                       | 25,787 0 4     | 25,809 10 1    | 319 1 9        | 341 11 6       |
| Decrease .....                                                                                                                        | .....          | 22 9 9         | Ded. Incr.     | 319 1 9        |
|                                                                                                                                       | 25,787 0 4     | 25,787 0 4     | .....          | 22 9 9         |
| Total Receipts in 1886 ..... <i>£</i> 25,787 0 4<br>Total Payments in 1886..... 24,568 12 9<br>Receipts over Payments ..... 1,218 7 7 |                |                |                |                |
| <i>Dr. Cash</i>                                                                                                                       |                |                |                |                |
|                                                                                                                                       |                |                |                | <i>£ s. d.</i> |
| To Balance brought from December 31, 1885 .....                                                                                       |                |                |                | 972 8 1        |
| To Income received in 1886 .....                                                                                                      |                |                |                | 25,787 0 4     |
|                                                                                                                                       |                |                |                | 26,759 5       |

*Comparison of Payments in 1885 and 1886.*

| <i>Payments.</i>                              |                |             |            |            |
|-----------------------------------------------|----------------|-------------|------------|------------|
|                                               | Expenditure of |             | Increase.  | Decrease.  |
|                                               | 1886.          | 1885.       |            |            |
|                                               | £ s. d.        | £ s. d.     | £ s. d.    | £ s. d.    |
| Arrears of previous years . . . .             | 2,059 18 5     | 1,954 4 9   | 105 13 8   | .....      |
| Rent, Rates, Taxes, and Insurance . . . . .   | 1,256 4 9      | 1,112 15 11 | 143 8 10   | .....      |
| Salaries, Wages, and Pensions . . . . .       | 5,937 4 9      | 5,864 17 4  | 72 7 5     | .....      |
| Provisions . . . . .                          | 3,704 16 4     | 3,966 12 1  | .....      | 261 15 9   |
| Cost and Carriage of Animals . . . . .        | 745 14 6       | 1,164 8 6   | .....      | 418 14 0   |
| Menagerie Expenses . . . . .                  | 3,230 3 11     | 3,119 4 3   | 110 19 8   | .....      |
| Keepers' Dresses . . . . .                    | 152 6 6        | 146 16 0    | 5 10 6     | .....      |
| Works, Materials, &c. . . . .                 | 2,390 10 6     | 2,527 16 10 | .....      | 137 6 4    |
| Garden Expenses . . . . .                     | 789 14 9       | 772 3 2     | 17 11 7    | .....      |
| Advertisements . . . . .                      | 190 14 11      | 198 17 5    | .....      | 8 2 6      |
| Band Expenses . . . . .                       | 225 12 0       | 234 6 0     | .....      | 8 14 0     |
| House and Office Expenses . . . . .           | 717 4 5        | 676 8 8     | 40 15 9    | .....      |
| Stationery and Account Books . . . . .        | 46 18 10       | 56 1 5      | .....      | 9 2 7      |
| Printing (Miscellaneous) . . . . .            | 287 19 9       | 268 17 3    | 19 2 6     | .....      |
| Publications . . . . .                        | 1,720 3 1      | 1,976 10 4  | .....      | 256 7 3    |
| Library Expenses . . . . .                    | 511 14 2       | 530 11 10   | .....      | 18 17 8    |
| Returned Subscriptions . . . . .              | 53 5 0         | 26 15 9     | 26 9 3     | .....      |
| Zoological Lectures (Davis Bequest) . . . . . | 80 19 6        | 79 8 0      | 1 11 6     | .....      |
| Interest on Mortgage-debt . . . . .           | 367 6 8        | 407 16 8    | .....      | 40 10 0    |
| Grant in aid of Science . . . . .             | 100 0 0        | .....       | 100 0 0    | .....      |
|                                               | 24,568 12 9    | 25,084 12 2 | 643 10 8   | 1,159 10 1 |
| Decrease . . . . .                            | .....          | 515 19 5    | Ded. Incr. | 643 10 8   |
|                                               | 24,568 12 9    | 24,568 12 9 | .....      | 515 19 5   |
| Ordinary Payments . . . . .                   | 24,438 17 9    | 24,593 11 8 | .....      | 154 13 11  |
| Extraordinary ditto . . . . .                 | 129 15 0       | 491 0 6     | .....      | 361 5 6    |
|                                               | 24,568 12 9    | 25,084 12 2 | .....      | 515 19 5   |

| <i>Contra</i>                                          | <i>Cr.</i>             |
|--------------------------------------------------------|------------------------|
| By Expenditure paid in the year . . . . .              | £ s. d.<br>24,568 12 9 |
| By Repayment of Mortgage-debt . . . . .                | 1,000 0 0              |
| By Balance at the Bankers, December 31, 1886 . . . . . | 1,190 15 8             |
|                                                        | 26,759 8 5             |



REPORT  
OF THE  
COUNCIL  
OF THE  
ZOOLOGICAL SOCIETY  
OF LONDON,  
FOR THE YEAR 1887.

READ AT THE ANNUAL GENERAL MEETING,

APRIL 30<sup>TH</sup>, 1888.

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

1888.