

REPORTS
OF THE
COUNCIL AND AUDITORS
OF THE
ZOOLOGICAL SOCIETY
OF LONDON,
FOR THE YEAR 1927.

PREPARED FOR THE ANNUAL GENERAL MEETING.

TO BE HELD ON

MONDAY, APRIL 30TH, 1928,

AT 4 P.M.

PRINTED BY
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1928.

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REPORT OF THE COUNCIL

for the year ended 31st December, 1927.

ANNUAL GENERAL MEETING.

1. The Ninety-ninth Annual General Meeting of the Society will be held on Monday, April 30th, 1928, at 4 p.m., at the Offices of the Society, in the Gardens, Regent's Park, N.W.8.

2. PROCEDURE AT THE ANNUAL GENERAL MEETING.

(By-law, Chapter VIII., Sections 1 and 2.)

SECT. I. Notice of the time and place of the Annual General Meeting shall be advertised by the Council in four or more of the public Newspapers, at least fourteen days before the same shall take place.

SECT. II. The course of proceeding at the Annual General Meeting, after the Chair has been taken, shall be as follows:—

1. The reading of the Minutes of the previous Annual Meeting.
2. The appointment of Scrutineers and opening of the Ballot.
3. Presentation of the Auditors' Report, previously issued to Fellows.
4. Discussion of the Auditors' Report.
5. Presentation of the Council's Annual Report, previously issued to Fellows.
6. Discussion of the Council's Annual Report.
7. To receive the Report of the Scrutineers on the result of the Ballot.

No other business shall be transacted at such Meeting.

3. CELEBRATION OF THE CENTENARY OF THE SOCIETY.—Although the Zoological Society of London was founded in 1826, it did not receive its Royal Charter until 1829. Its hundredth Annual Meeting will take place next year, and in that year the Council intends to celebrate the Centenary. The arrangements for the Celebration will be considered in the course of this year. It has already been decided to issue a brief History of the Society, written by the Secretary, and a Classified List of all the species of Vertebrate Animals that have been exhibited in the Gardens since they were opened. The preparation of the List is nearly complete; it will give for each animal, the scientific name, the various synonyms or other scientific names that have been used for it, some popular, local and trade names where known, a reference to the original description and, where possible, to a figure and popular description.

4. ROLL OF FELLOWS.—The number of Fellows and Fellows-Elect on January 1st, 1927, was 7,260, and on January 1st, 1928, was 7,687. In 1927, 728 Fellows were elected or re-admitted as compared with 693 in 1926.

	1926.	1927.
Compounders at £30 (Elected before Decr., 1906)	507	477
Compounders at £45 (Elected after Novr., 1906)	317	339
Compositions remitted	21	19
Paying annually £3	6,138	6,561
Dormant (paying £1 since 1911)... ..	201	207
Do. subscriptions remitted... ..	13	12
* Admission Fees unpaid	63	72
	7,260	7,687

* This entry relates almost entirely to Fellows elected at the December Meeting, who did not pay their dues until the following January.

The continued growth in the number of Fellows has been for some years under the anxious consideration of the Council. If we had to think only of the small area in Regent's Park, a limitation of the total number of Fellows, with election only to vacancies, and some reduction in the privileges of existing Fellows might be immediately advisable. On the other hand, the development of the new Park at Whipsnade may give rise to different considerations. The Council suggests that the Annual General Meeting on April 30th might be a convenient occasion for a preliminary discussion on the number of Fellows. Another matter of possibly more immediate importance is the amount of the annual subscription. This has remained at £3 for nearly a century although the value of money has much depreciated, and with it the cost of maintenance has greatly increased. The suggestion has been made that the annual subscription should be raised to £4 or even to £5 for new Fellows. This also might be discussed at the Annual Meeting. In accordance with the constitution of the Society, discussions on these points at the Annual Meeting cannot lead to the proposal of definite Motions at the Meeting. Any Motion involving a change in the By-laws would have to be given notice of at an ordinary Monthly Meeting and discussed and voted on three months later.

5. FOREIGN MEMBERSHIP.—The following two Corresponding Members were elected Foreign Members to fill vacancies on the List caused by the deaths of Dr. J. Büttikofer, late of Rotterdam, and Dr. G. O. Sars, of Norway :—

Dr. Theodor Mortensen, of the University Zoological Museum, Copenhagen.

Dr. Leonhard Stejneger, of the United States National Museum, Washington, D.C.

6. CORRESPONDING MEMBERSHIP.—As described in the Annual Report for 1924 (Paragraph 5), the Society, on the initiation of Council, formed a new class of Corresponding Members, with the object of giving some of the

privileges of the Society to professional zoologists, especially those holding junior posts out of London, at the reduced subscription of £1 1s. a year and without entrance fee. Full particulars and proposal forms can be obtained from the Office.

The rules for Corresponding Members of the original class have not been altered. Candidates, who must not be resident in Great Britain or Ireland, are selected by Council usually at the November Meeting, and are afterwards submitted to ballot. They are persons of British or Foreign nationality who are either Zoologists of distinction, or have done the Society special service or have otherwise assisted in promoting its objects.

7. NEW CORRESPONDING MEMBERS (*Division I., Residents Abroad*).—The following were elected to fill vacancies on the List:—

Godfrey Davidson, Caxia Postal 68, Belim do Para, Para, Brazil.

Dr. S. W. de Wolff, Secretary, Planten en Dierentuin, Sourabaya, Java.

James A. Kershaw, Curator of National Museum, Melbourne, Australia.

Dr. C. J. G. Petersen, Danish Biological Station, Nyborg, Denmark.

Capt. Charles R. S. Pitman, D.S.O., M.C., Game Warden of Kenya Colony, Entebbe, Kenya Colony, British East Africa.

Dr. J. R. C. Stephens, Ilorin, Northern Nigeria.

Dr. Victor Van Straelen, Director of the Royal Museum of Natural History, Brussels, Belgium.

Dr. Alexander Wetmore, Smithsonian Institution, c/o U.S. National Museum, Washington, U.S.A.

8. NEW CORRESPONDING MEMBERS (*Division II., Professional Zoologists*).—The following were elected:—Herbert O. Bull, B.Sc.; Miss Marjorie Casselden, B.Sc.;

Frederic W. Flattely, M.Sc. ; Tom Goodey, D.Sc. ; Miss Margaret W. Jepps, M.A. ; Percy A. Little, B.Sc. ; Ashley G. Lowndes, M.A., F.L.S. ; Miss Sidnie M. Manton, B.A. ; John M. Winterbottom, B.Sc.

9.—EX-ENEMY CORRESPONDING MEMBERS.—During the war the names of Corresponding Members belonging to Nations then at war with this country were removed from the List in accordance with By-Law, Chapter VII, Section 4. As stated in the Annual Report for 1926 (par. 7), the Council decided in principle that the time had now come when members so removed might be restored to the List in accordance with the By-law, as vacancies occur, on their application to the Council. In accordance with this decision, the following names have been restored to the List :—

Dr. Gustav Brandes (Director, Dresden Zoological Gardens).

Dr. Ludwig Heck (Director, Berlin Zoological Gardens).

Dr. Geza Horváth (National Museum, Budapest).

Prof. Franz Vejdovsky (University of Prague).

10. LIST OF FELLOWS AND MEMBERS.—A revised edition will be published during the Summer of 1928. Any corrections should be sent to the Secretary before April 30th, 1928.

11. MEDALS.—The Bronze Medal of the Society was awarded to Ernest Bowman, first class keeper, for services rendered in the successful rearing of a young hippopotamus, 1926–27.

12. SCIENTIFIC GRANTS.—The Council made a donation of £10 to the National Trust towards the preservation of Wicken Fen, of £25 to the Society for the Protection of the European Bison and of £100 towards the Extension Fund of the Royal Veterinary College, Camden Town, and of £2 to the British Correlating Committee for the

Protection of Nature. A donation of £100 has been promised to a Committee for the Exploration of the Great Barrier Reef, half to be paid in 1928 and half in 1929.

13. LOAN OF THE SOCIETY'S ROOMS.—The Society's Rooms have been lent to a General Meeting of British Zoologists, The British Ornithologists' Union, The Avicultural Society, The Challenger Society, and the Society for the Protection of the Fauna of the Empire, to which also clerical assistance and office accommodation has been given.

14. THE FAUNA SOCIETY.—The Council commend the Society for the Protection of the Fauna of the Empire, mentioned in the last paragraph, to the notice of Fellows. There are few parts of the world in which modern fire-arms, modern facilities for travel, the spread of civilization and the extension of agriculture are not restricting the numbers and bringing danger even to the existence of wild animals. The objects of the Fauna Society are to collect information on, and to stimulate interest in, the preservation of wild animals, directly in the British Empire and by co-operation with similar Societies in other Countries. It pays special attention to the formation and maintenance of Reserves and Sanctuaries for Wild Animals. Fellows of the Zoological Society are invited to become members of the Fauna Society and so to extend its activities. The annual subscription is 10s. a year, and applications should be addressed to the Secretary of the Fauna Society, c/o The Zoological Society.

15. SCIENTIFIC MEETINGS AND PUBLICATIONS.—The *Abstract* was issued as usual. The *Transactions*, suspended during the war, have been resumed, the Council having given the Publication Committee power to re-open them for memoirs deemed of unusual scientific value, and requiring *quarto* illustrations. Volume XXI, of which the first and only issued Part appeared in 1916, has been left open to be completed as suitable memoirs may be

accepted. Volume XXII is being devoted to a series of memoirs dealing with the zoological results of the Cambridge Expedition to the Suez Canal, 1924. Of this, Part I was published on December 15th, 1926; Part II on March 15th, 1927; Part III on July 1st, and Part IV on December 30th, 1927.

Of the *Proceedings*, Part I, 1927, was issued on April 6th, 1927; Part II on July 12th, 1927; Part III on September 29th, 1927; and Part IV on January 12th, 1928.

In the following table are given the number of plates and pages of the *Proceedings* for the last ten years:—

		Plates.		Pages.
1918	..	3	..	310
1919	..	23	..	499
1920	..	19	..	656
1921	..	35	..	887
1922	..	57	..	1276
1923	..	15	..	1097
1924	..	68	..	1176
1925	..	51	..	1585
1926	..	65	..	1314
1927	..	59	..	1009

16. ZOOLOGICAL RECORD.—It is pleasant to report that the completion of the preparation and publication of the *Zoological Record* were earlier than in 1926. The complete Volume, No. 63, dealing with the literature of 1926, was published on October 12th, 1927. Of its separate Divisions, Insecta, thanks to the organisation and promptitude of The Imperial Bureau of Entomology, was published on August 4th, 1927; Comprehensive Zoology, Porifera, and Vermes, on August 15th; Brachiopoda and Bryozoa on August 17th; Crustacea on August 24th; Echinoderma and Mammalia on August 25th; Coelenterata and Aves on August 31st; Protozoa, Mollusca, Prochordata and Reptilia and Batrachia on September

9th ; Arachnida on September 20th ; Pisces and Names of New Genera and Sub-Genera on October 6th. No List of Abbreviations was printed with the volume. The Editor has prepared a new List of Periodicals and their Abbreviations, in which the abbreviations compiled for the World List of Scientific Periodicals have been adopted. This was published on Feb. 27, 1928.

Volume 64, dealing with the literature of 1927, is in active preparation.

17. ZOOLOGICAL RECORD : PRICES.—On account of the greatly increased cost of production it has been found necessary to fix the price of the Annual Volumes, from Volume 58 onwards, at £3 (or Subscription price, paid in advance, £2 10s.). As it is recognised that many individual workers do not require the whole volume, it has been arranged to sell the separate Divisions, in paper covers, at the following prices :—

SEPARATE DIVISIONS.

	s.	d.
General Zoology	3	0
Protozoa	3	0
Porifera or Spongida	2	6
Cœlenterata	2	6
Echinoderma	4	0
Vermes	3	6
Brachiopoda and Bryozoa	2	6
Mollusca	5	0
Crustacea	3	0
Trilobita, Arachnida, Myriopoda	4	0
*Insecta	15	0
(a) Titles and Subject Index	4	0
(b) Coleoptera	6	0
(c) Lepidoptera	6	0
(d) Hymenoptera and Diptera	4	0
(e) Hemiptera, Orthoptera, and re- maining Orders	4	0

* This Part and its Sub-sections are now published only by the Imperial Bureau of Entomology, 41, Queen's Gate, S.W.7.

	s.	d.
Prochordata	2	0
Pisces	3	6
Reptilia and Amphibia	3	0
Aves	7	6
Mammalia	3	0
List of Abbreviations and Journals ..	2	6
List of New Genera	2	6

18. ZOOLOGICAL RECORD; FINANCE.—Beginning with Volume 59 (literature of 1922), the Society undertook to continue responsibility for the *Record* if its loss on each volume did not exceed the sum of £500. In response to an appeal, several Societies, Institutions and individuals interested in the continuation of the *Record* agreed to assist. Some made donations, and others, in accordance with what, at the time, was thought a useful form of support, “guaranteed” certain sums towards the loss on volumes. Experience has shewn, however, that a “guarantee” is a difficult form of support, as only an arbitrary date can be chosen for estimating the liability under the guarantee for any volume. Moreover, as was explained in the Annual Report for 1925, p. 11, the compilation and therefore the liability must be undertaken sometime before the volume can appear, and the receipts come in a considerable time after its publication.

It has been arranged, for the information of donors, to keep accounts of the *Record*, beginning with Vol. 59 (the first to which extraneous financial assistance was given), in the form of a “Zoological Record Fund” made up to the 31st of December each year. To this will be credited all receipts (subscriptions and sales of the current Volume and of other Volumes from 59 onwards) taken within the year, including the Society’s own contribution of £500. From it will be deducted the cost of compilation (Editor, Recorders, Searchers and other expenses) and printers’ bills. It is hoped that the Record Fund will eventually show a balance sufficient to cover the cost of an annual issue, thus providing “capital” for the concern. Societies, Institutions and individuals who

wish the *Record* to be maintained, are requested to give their support in the form of annual donations to the "Record Fund."

STATE OF "RECORD FUND" AT 31st DECEMBER, 1927.

	£	s.	d.	£	s.	d.
Balance from Vol. 62 (Annual Report, 1926, page 12)				955	4	6
Donations to Vol. 61 received in 1927 ...				30	13	9
" " 62 " " 				132	18	3
				<hr/>		
				1,118	16	6
Donations to Vol. 63 received :—						
Zoological Society of London	500	0	0			
Association of Economic Biologists ...	5	0	0			
Barbour, Dr. T.	25	0	0			
British Ornithologists' Club	11	5	0			
British Ornithologists' Union	11	5	0			
Schmidt, W. L.		17	5			
Shoemaker, C. R.		17	4			
Rathburn, Miss W. J.	1	8	1			
	<hr/>			555	12	10
Donation to Vol. 64 received :—						
Barbour, Dr. T.				25	0	0
				<hr/>		
				1,699	9	4
Cost of Vol. 63 (exclusive of Office Expenses) :—						
Letterpress	1,287	14	0			
Editor	200	0	0			
Recorders	245	0	0			
Searching and Assisting Recorders ...	135	13	10			
Distribution (incl. Bal. of Vol. 62) ...	37	1	6			
Recorders' Fees	16	5	0			
Typing Abbreviations	7	0	0			
	<hr/>			1,928	14	4
Subscriptions to Vol. 63 to						
Dec. 31st	£687	10	0			
Sales of Vol. 63	198	5	5			
	<hr/>			885	15	5
Loss on Vol. 63						
				1,042	18	11
				<hr/>		
				1,042	18	11
				<hr/>		
				656	10	5
Add amount received for subscriptions to, and sale of Vols. 59 to 62, since last adjustment						
				455	1	5
				<hr/>		
Balance of Fund to Vol. 64				£1,111	11	10
				<hr/>		

The full list of Donations since the inception of the "Record Fund" to December 31st, 1927, is as follows:—

	Vol. 59.	Vol. 60.	Vol. 61.	Vol. 62.	Vol. 63.	Vol. 64.
	£ s. d.	£ s. d.	£ s. d.	£ s. d.	£ s. d.	£ s. d.
Acad. Nat. Sci., Philadelphia ...	23 0 4	30 15 9	20 6 4	22 8 3	...	...
American Entomological Society ...	...	...	10 5 5	...	...	...
American Ornithologists' Union ...	11 7 6	15 8 11	...	10 3 8	...	...
Association of Economic Biologists ...	5 0 0	5 5 0	...	...	5 0 0	...
Barbour, Dr. T. (Mus. Comp. Zool., Camb., Mass.)...	25 0 0	50 0 0	25 0 0	25 0 0	25 0 0	25 0 0
British Association ...	50 0 0	50 0 0	35 0 0	50 0 0	...	...
British Museum of Nat. Hist. ...	200 0 0	200 0 0	200 0 0	...	...	...
British Ornithologists' Club ...	11 5 0	11 5 0	11 5 0	11 5 0	11 5 0	...
British Ornithologists' Union ...	11 5 0	11 5 0	11 5 0	11 5 0	11 5 0	...
Brooklyn Entomological Society, New York ...	...	5 0 0	...	...	...	...
California Academy of Sciences ...	...	21 11 0	...	...	...	...
Challenger Society ...	5 5 0	5 5 0	5 5 0	5 5 0	...	...
Cockerell, T. D. A. ...	...	...	3 0 0	1 12 0	...	...
Conchological Society ...	2 2 0	2 2 0	2 2 0	...	...	...
Entomological Society ...	50 0 0	25 0 0	25 0 0	...	...	...
Entomological Society of America ...	16 0 0	...	...	...	...	...
Geological Society ...	...	15 0 0	15 0 0	...	...	...
Hawaiian Entomological Society ...	7 6 0	6 3 2	5 13 9	...	...	...
Henshaw, S. (Mus. Comp. Zool., Camb., Mass.) ...	10 0 0	7 8 11	10 0 0	...	...	...
Hornbold, Dr. A. G. ...	5 0 0	4 18 0	5 0 0	5 0 0	...	...
Linnean Society ...	25 0 0	25 0 0	25 0 0	...	...	...
Linnean Society of New South Wales ...	10 0 0	10 0 0	...	...	...	...
Liverpool School of Tropical Medicine ...	10 10 0	5 5 0	5 5 0	...	...	...
McIntosh, Dr. W. C. ...	8 8 0	5 5 0	...	...	...	...
Malacological Society ...	5 0 0	3 3 0	...	...	...	...
Marine Biological Association, Plymouth ...	5 5 0	5 5 0	5 5 0	5 5 0	...	...
Michigan, University of ...	20 14 8	20 6 4	...	...	...	...
Quekett Microscopical Club ...	5 5 0	5 5 0	5 5 0	...	...	...
Rathburn, Miss A. J. ...	...	...	...	...	1 8 1	...
Royal Canadian Institute ...	5 13 8	5 2 5	...	...	...	...
Royal Microscopical Society, Fellows of ...	...	3 0 0	...	...	...	...
Royal Society ...	100 0 0	...	...	...	...	...
Royal Society of Trop. Med. and Hygiene ...	20 0 0	20 0 0	5 0 0	5 0 0	...	...
Schmidt, W. L. ...	...	...	...	1 15 1	17 5	...
Seaman's Hospital Society ...	20 0 0	20 0 0	...	...	17 4	...
Shoemaker, C. R. ...	...	...	...	...	...	...
South African Biological Society ...	...	5 5 0	5 2 6	...	...	...
Van Name, Dr. W. G. ...	...	5 3 1	...	...	...	...
Wellcome Bureau of Scientific Research ...	15 0 0	15 0 0	15 0 0	15 0 0	...	...
Zoological Society of London ...	500 0 0	500 0 0	500 0 0	500 0 0	500 0 0	...
	1,183 7 2	1,119 7 7	950 0 0	668 19 0	555 12 10	25 0 0

19. GARDEN GUIDE AND PICTURE POST CARDS.—The twenty-fourth edition of the Garden Guide was issued in 1926, and reprinted during 1927, and in the course of the year 60,470 copies were sold. Since 1904, when the Guide became the property of the Society, 1,256,477 copies have been sold. Of the Aquarium Guide 4,345 copies, and of picture post cards 296,536 were sold in 1927.

20. EXCHANGE LIST.—A full list of the Institutions, etc., on the Exchange List of the Society's Publications was printed in the Report for 1902. Since that date the following additions have been made.—

- 1904. The Carnegie Museum, Pittsburgh, Pa., U.S.A.
- 1915. The University of Illinois, U.S.A.
- 1916. Ministry of the Belgian Colonies.
Imperial Society of Naturalists, Petrograd (lapsed 1918).
- 1919. California Academy of Sciences, San Francisco, U.S.A.
- 1920. The Ministry of Agriculture, Department of Fisheries, Great Britain.
Naturhistorisches Staatsmuseum, Vienna.
The Straits Branch of the Royal Asiatic Society.
- 1921. The Philippine Journal of Science, Manila.
- 1922. Musée Zoologique de l'Université et de la Ville, Strasbourg.
- 1923. L'Institut Océanographique, Monaco.
- 1924. The Science Society of China, Nanking.
Deutscher naturwissenschaftlich.-med. Verein für Böhmen.
Société des Sciences Naturelles du Maroc.
Société Neuchateloise des Sciences Naturelles.
Royal Society of South Australia.

1925. L'Académie Polonaise des Sciences et des Lettres, Cracow, Poland.
 La Société des Naturalistes de Leningrad, Leningrad, Russia.
 Imperial College of Tropical Agriculture, Trinidad.
1926. No addition.
1927. No addition.

21. LIBRARY.—The Visitor's Book was signed by 554 Fellows and persons introduced by them, and 1,562 volumes were borrowed under the usual regulations.

The following is a list of the chief additions made to the Library during the past year:—

PRESENTED.

<i>Donor.</i>	<i>Donation.</i>
BARROW, J.	Guide to the Prince of Wales' Collection of Indian Animals in the Zoological Gardens, Regent's Park. By Frank Finn F.Z.S. 1907.
BRITISH MUSEUM, TRUSTEES OF THE.	Index Animalium. By C. Davies Sherborn, F.Z.S. Parts X., XI., XII. 1926-27. Monograph of the Voles and Lemmings (Microtinæ) Living and Extinct. By M. A. C. Hinton, F.Z.S. Vol. I. 1926. Monograph of the Sea-Snakes (Hydrophiidæ). By Dr. A. Malcolm Smith, F.Z.S. 1926. 10th Report on Cetacea Stranded on the British Coasts, 1913-1926. By Sir Sidney F. Harmer, K.B.E., F.R.S., F.Z.S. Insects of Samoa. By Edward Meyrick, F.R.S., F.Z.S. 1927. Catalogue of Types of Lepidoptera Rhopalocera. By A. G. Gabriel. Part III. 1927. Guide to the Crustacea. Revised edition. 1927.

<i>Donor.</i>	<i>Donation.</i>
BUTLER, A. L., F.Z.S.	MSS. Volume on Derivation of Ornithological Terms. (?) By Dr. Mitchell, M.A., of Boldmere.
CLARK, A. J.	Comparative Physiology of the Heart. By A. J. Clark. 1927.
FINN, FRANK, B.A., F.Z.S.	Wildfowl of the World. By Frank Finn. 1926. Manual on Cage Birds. By Frank Finn. n.d. Familiar London Birds. By Frank Finn. 1923.
LONDON UNIVERSITY PRESS.	Economic Biology for Students of Social Science. Part I. Harmful and Useful Animals. By Philippa C. Esdaile. 1927.
LOW, DR. G. C., F.Z.S.	Life Histories of North American Marsh Birds. Orders Odontoglossæ, Herodiones and Paludicolæ. By A. C. Bent. 1926.
MITCHELL, DR. P. CHALMERS, C.B.E., F.R.S., F.Z.S.	Wild Animals of Australia. By A. S. Le Souef, H. Burrell and E. Le G. Throughton. 1926.
RENSHAW, DR. GRAHAM, F.Z.S.	'Twixt Sand and Sea. By C. F. and L. Grant. n.d. Spectrum Analysis Applied to Biology and Medicine. By C. A. Macmunn. 1914. At Last: A Christmas in the West Indies. By Charles Kingsley. 1887. Madeira, Canary Islands and Azores. By A. Samler Brown. 8th edn. 1905. After Big Game. The Story of an African Holiday. By R. S. and M. E. Meikle. 1915.
SCLATER, W. L., F.Z.S.	The Practical Value of Birds. By Junius Henderson. 1927.
THOMSON, A. LANDS- BOROUGH, F.Z.S.	Problems of Bird-Migration. By A. Landsborough Thomson. 1926.
WILLIAMS AND NORGATE, MESSRS.	How Birds Live. By E. M. Nicholson. 1927.
WILLIAMS AND WILKINS, MESSRS.	The Beaver and its Work. By Edward R. Warren. 1927.

PURCHASED.

- BAILLON, P. CAPPE DE. *Recherches sur la Tératologie des Insectes.* 1927.
- BURRELL, HENRY, F.Z.S. *The Platypus.* 1927.
- CARPENTER, G. D. HALE, F.Z.S. *A Naturalist in East Africa.* 1925.
- DONISTHORPE, H. ST. J. K., F.Z.S. *The Guests of British Ants.* 1927.
- ELTON, C. *Animal Ecology.* 1927.
- HACHISUKA, M. U. *A Handbook of the Birds of Iceland.* 1927.
- JORDAN, H. J., AND HIRSCH, G. CH. *Uebungen aus der Vergleichenden Physiologie.* 1927.
- KORSCHOLT, E. *Regeneration and Transplantation.* 1927.
- LEESE, A. S. *A Treatise on the One-humped Camel in Health and Disease.* 1927.
- MEYER, T. K. *Birds and Beasts of the Roman Zoo.* 1927.
- MORTENSEN, THEO., F.M.Z.S. *Handbook of the Echinoderms of the British Isles.* 1927.
- ROBINSON, H. C., F.Z.S. *The Birds of the Malay Peninsula. Vol. I.* 1927.
- ROEWER, C. F. *Die Weberknechte der Erde. Systematische Bearbeitung der bisher bekannten Opiliones.* 1923.
- SAUNDERS, HOWARD. *Manual of British Birds. 3rd edn. revised and enlarged.* 1927.
- SETH-SMITH, DAVID, F.Z.S. *Parrakeets. A Handbook to the Imported Species. Revised edn.* 1926.
- STRICKLAND, C., AND CHOUDHURY, K. L. *An Illustrated Key to the Identification of the Anopheline Larvæ of India, Ceylon and Malaya.* 1927.
- TILLYARD, R. J., F.R.S., C.M.Z.S. *The Insects of Australia and New Zealand.* 1927.
- WEBER, MAX. *Die Säugetiere. Vol. I. Anatomischer Teil. 2nd edn.* 1927.
- WENYON, C. M., F.R.S. *Protozoology. A Manual for Medical Men, Veterinarians and Zoologists. 2 vols.* 1926.

22. CARD CATALOGUE.—The Librarian and his Assistant have made further progress with the Subject Card Index of the Works in the Society's Library. The Cards

for the Geographical (Zoological) Card Index have been completed, and several sections are now available for reference.

23. CINEMATOGRAPH RECORDS.—The operators of the British Instructional Film Co. Ltd., have taken a further series of records in the Gardens. Some of these records have been exhibited commercially through the British Instructional Film Co., Ltd., and under the agreement profits are accruing to the Society.

24. PROSECTORIUM.—This department continues to do great service to the Society, directly by enquiries into the causes of death of animals in the collection, and indirectly by increasing knowledge in Anatomy, Pathology and Parasitology. Anatomical and pathological material has been distributed to many private workers and institutions.

25. PATHOLOGY.—Dr. H. H. Scott, M.D., F.R.C.P., the Society's Pathologist, reports:—

“The number of cases brought to the Prosectorium for autopsy shows again this year a reduction on that for 1926. For the three years 1925–1927 inclusive, the diminution has been 9, 4, and 9 per cent. respectively, on the figures for the preceding twelve months.

“Of the total of 1,037 there have been 424 deaths within six months of arrival, that is 40.88 per cent. This is practically the same as in 1926 (in which year there were 425), but seeing that the total number of animals introduced has been greater, this is a distinct improvement.

“The best gauge, however, of the improved health of the animals generally is afforded by the number of deaths ascribable to communicable, infective, and preventable diseases. Details of these have been given in tabular form in the fuller Annual Report (P.Z.S., 1928, Part I.); suffice it here to say that the total has fallen from 395 in 1926 to 251 in 1927, a reduction of more than a third. The fall has been shared in by all classes of animals; in mammals from

111 to 72, in birds 209 to 126, and reptiles 75 to 53. There has been no outbreak of epidemic disease throughout the year.

“ The following remarks on the most important of the prevailing diseases will be of interest :—

“ 1. *Tuberculosis*.—The larger number of cases of this in 1926 was due, as then stated, to the epidemic which broke out in the Monkey House. Taking into account all cases of tuberculosis among mammals, that is those in which mycotic infection was also present, there have been only 13 during last year as compared with 49 in the previous year. No instances of the dual infection have been encountered during 1927.

“ Two of the cases are of exceptional interest. One was a Kangaroo with widespread and severe disease, proved by Dr. Stanley Griffith to be due to the *avian* type of the bacillus. The other was a Hamadryas Baboon (the first of these animals to die of tuberculosis in my experience) with almost general tuberculous disease of the glands, one of which had opened into the shoulder to produce disorganization of this joint.

“ 2. *Mycosis*.—The number of deaths from Mould infection is less than half that in the preceding year, 31 in place of 65, the reduction here also occurring in all classes. A point worthy of note in this connection is the ease with which Penguins seem to contract the disease. There have been six deaths among them, namely four King Penguins, a Gentoo, and a Rock-hopper Penguin. All were of respiratory origin and from the widespread nature of the lesions and the fact that death occurred within a short period of their arrival in the Gardens, there is little doubt but that they brought the disease with them. I can find no records of infection among them in their native haunts and the inference is that owing to the absence of infection under natural conditions they have no power of resistance developed when they reach civilization and become exposed to infection. The ready susceptibility of native non-immunized tribes to tuberculosis on coming into contact with infection in towns is closely analogous.

“ 3. *Enteritis*.—Investigation into the causation of this group of diseases is progressing, and among the organisms isolated is one which has occurred on several occasions, namely Morgan's bacillus; this has long been recognized as one of the fruitful causes of summer diarrhoea in infants and young children. Further researches are being carried out on this important subject by Mr. Reginald Lovell, M.R.C.V.S., D.V.S.M., in the Department of Bacteriology of the London School of Hygiene and Tropical Medicine.

“ 4. *Rickets* and allied conditions have been met with in greater numbers than in 1926. Several, however, came to the Gardens with the disease already developed, and the chance of improvement was rendered less by the bad weather and persistent absence of sunshine. One case must be particularly referred to, that of ‘Oojah,’ the Pigmy Elephant. Every known form of treatment was tried—ultra-violet rays, special apparatus, and feeding with food containing abundance of vitamins—but, though from time to time slight amelioration was noticed, this proved to be temporary only and when death occurred all the bones were found to be very soft and even the large limb-bones could be cut readily with a knife. The condition was that of severe *Osteitis fibrosa*.

“ 5. *Pulmonary conditions*.—These, second only to enteritis in the number of deaths for which they are responsible, have rapidly and progressively diminished during the last three years, from 153 in 1925 to 95 in 1926, and to 72 in 1927, a reduction of over 50 per cent. in the period.

“ One animal, known to all those frequenting the Gardens, the Chimpanzee ‘Clarence,’ will be missed from the Tea-party quartette. He died on December 12th with extensive broncho-pneumonia after four days' illness. The condition appeared to be due to the bacillus of influenza primarily and the Pneumococcus as a secondary infection. This combination has been found very frequently in influenza epidemics in the north of England where intensive study has been made of influenza.

“ 6. Matters of special pathological interest. A considerable number of these have been described in detail in the fuller Annual Report. They may be grouped here as follows :—

“ (1) Diseases of the *Heart and the Cardio-vascular system*. There have been two instances of congenital heart defect, four of valvular disease, two of aneurysm, and nine others with affection of the pericardium or the vascular system generally.

“ (2) *Intestinal affections*.—Five instances of intestinal obstruction have been met with and nine of perforation. Of the last, four were mammals, three birds, one reptile and one fish.

“ (3) *New-growths*.—These have been even more numerous than in 1926, more varied in nature and of great pathological interest. There have been 19 cases in all, six each amongst mammals and birds, and seven among reptiles.

“ Investigators and public bodies have made frequent application for material for research and when possible their demands have been met.

“ The following papers dealing with pathological matters have been published during the year :—

“ 1. Neoplasm in an Indian Rhinoceros (Sarcoma of heart and lungs). P.Z.S., 1927, pp. 503–510.

“ 2. Two Cases of Peritoneal Neoplasm (Endothelioma). P.Z.S., Sept., 1927, pp. 511–518.

“ 3. A Double Malignant Tumour of Thyroid and Parathyroid. P.Z.S., 1927, pp. 859–864.

“ Others are either in the Press or in course of preparation.”

26. ANATOMY ; CHANGE OF ANATOMIST.—Dr. John Beattie, who was appointed Anatomist to the Society in 1925 for a term of three years, with a possible extension to five years, resigned his post last August on his appointment to a post in McGill University, Montreal. Dr. Beattie

had done much valuable work during his tenure of office, and the Council regretted the loss of his services. On the other hand, as one of the objects for which the post was created and made of limited tenure, was to give the opportunity of experience in comparative anatomy to young anatomists, the Council regarded it as highly satisfactory that the first holder of the post under the new conditions should have received substantial preferment so soon.

On the advice of a Special Committee, the Council appointed from a large number of applicants Mr. S. Zuckerman, M.A., University of Capetown, to the Post of Anatomist on the same conditions as had been arranged for Dr. Beattie. Mr. Zuckerman entered on his new duties on January 1st, 1928.

27. HELMINTHOLOGY.—Professor R. T. Leiper, F.R.S., reports :—“The animals dying in the Gardens during the past year, with the exception of rare specimens reserved by the Anatomist for morphological studies, have been examined by the Pathologist for parasitic entozoa. The material collected has been identified and reported upon periodically to the Prosectorial Committee. The identifications have been undertaken by a panel of parasitologists formed by the Staffs and associated workers of the Institute of Agricultural Parasitology and the Helminthological Department of the London School of Hygiene and Tropical Medicine. The following have participated in the scheme :—T. W. M. Cameron, M.R.C.V.S., Ph.D., D.Sc., T. Goodey, D.Sc., C.M.Z.S., D. O. Morgan, M.Sc., Ph.D., B. G. Peters, M.Sc., R. T. Leiper, M.D., D.Sc., F.R.S., F.Z.S., Miss M. Triffitt, M.Sc., F.Z.S.

28. SANATORIUM.—This was refitted in 1922 as a quarantine station and a hospital for the treatment of sick animals. It is in charge of Dr. G. M. Vevers, the Superintendent of the Gardens, who receives valuable advice from Professor G. H. Wooldridge, F.Z.S., Honorary Consulting Veterinary Surgeon to the Society, and from the Curators.

29. VISITORS TO THE GARDENS.—The total number of visitors to the Gardens in 1927 was 2,158,208, the largest in the history of the Society. Unexpectedly, however, the gate-money was rather less than in 1924, the year in which the number of visitors was next largest. Analysis shows that the difference was due to a larger proportion of adults amongst the visitors of the "Wembley" year. The following Tables give comparative figures :—

Visitors to the Gardens.

1918 .	855,477	1923 .	1,613,125
1919 .	1,515,042	1924 .	2,057,146
1920 .	1,590,642	1925 .	1,823,613
1921 .	1,386,745	1926 .	1,937,935
1922 .	1,427,849	1927 .	2,158,208

Visitors on Bank Holidays.

	1926.	1927.
Easter Monday	66,341	70,674
Whit Monday	42,074	49,822
First Monday in August ..	38,377	32,248
Boxing Day	5,890	439*

* There was a severe snowstorm on this day.

Visitors on Sundays and Week-days.

	1926.	1927.
Sundays	212,863	221,102
Week-days	1,725,072	1,937,106

30. ADMISSION TO THE GARDENS.—The Gardens are open daily throughout the year (except Christmas Day, when they are closed) from 9 a.m. until sunset, or 8 p.m., when sunset is later. The arrangements for admission are as follows :—

Fellows.—Every Fellow may enter with two visitors by signing his or her name in the Gate-Book, but is not entitled to admit more than two visitors in this way on the same day. The husband or wife of a Fellow may use this privilege in the absence of the Fellow, but both

husband and wife may not admit visitors on the same day. Honorary, Foreign and Corresponding Members have personal admission only.

Fellows' Tickets.—Until further notice, Fellows, unless they have exercised the option stated in the next sentence, receive each year 40 undated green cards, available on any Sunday or weekday up to the end of January of the year following the year of issue, and 20 white cards available on any weekday up to the same date. For 20 green tickets, however, they may receive a book of dated Sunday orders, each admitting two persons, but valid only for the actual days printed on them, and in exchange for twenty white tickets, a similar book of weekday orders, each valid only for the week printed on it.

Other Visitors.—On SUNDAYS only when personally accompanied and signed for as above, or on presentation of tickets. Written messages or the visiting cards of Fellows cannot be accepted. On WEEK-DAYS, when personally accompanied and signed for as above; on presentation of tickets; or by payment. The prices for admission by payment are as follows:—

Mondays throughout the year, except Bank Holidays, 6d. each person.

Bank Holidays, 1s. each adult; 6d. each child under 12 years.

Other days, except Sundays, 1s. each adult; 6d. each child under 12 years.

Infants in arms are admitted free.

Excursion Party Rates.—Excursion Tickets for parties of not less than 25 persons for any fixed date (except Sunday) may be obtained upon previous application at the rates given below. Should the date chosen for the visit to the Gardens be found unsuitable, the tickets, upon being returned, will be re-dated for another day during the year of issue.

Payment for admission at the reduced prices cannot be accepted at the turnstiles.

All inquiries regarding reduced terms of admission should be made at the Secretary's Office.

ADULTS.	CHILDREN UNDER 14 YEARS OF AGE.
25 to 100 @ 11d. each.	25 to 100 @ 5d. each.
101 to 200 @ 10d. each.	101 & upwards @ 4d. each.
201 to 300 @ 9d. each.	
301 & upwards @ 8d. each.	

Where parties consist of adults and children the total number of the party is taken to decide the rate for each class.

Elementary Schools.—*Cheap Orders* for the admission from 9 a.m. to 1 p.m. of Children from Elementary Council Schools on Tuesday, Wednesday, Thursday or Friday (except during Easter and Whitsun weeks) may be obtained for parties of not less than 25 Children and one Teacher at the rate of one penny each child and fivepence for each Teacher. There must be at least one Teacher to every 25 children. The Children, with their Teachers, must be out of the Gardens by 1 p.m. School orders admitting to the Aquarium on Tuesdays only between 9 a.m. and 11 a.m. are issued at the same price.

31. VISITORS TO THE AQUARIUM.—The total number in 1927 was 458,936, as compared with 436,327 in 1926.

Visitors to the Aquarium.

	1926.	1927.
Sundays	45,777	46,511
Weekdays	390,550	412,425
Easter Monday	6,694	6,957
Whit Monday	4,957	5,492
August Bank Holiday	4,284	4,846
Boxing Day	1,340	129*

* There was a severe snowstorm on this day.

32. AQUARIUM: RULES FOR ADMISSION.—Experience continues to show that some restrictions on admission to the Aquarium are necessary, apart from finance, to prevent the crowded state from spoiling the pleasure of visitors. Since 1925, when Fellows were allowed to take two

visitors with them on Sundays, the proportion of Sunday to Week-day visitors has been greater than in the year of opening. If all visitors to the Gardens on Sundays were also admitted to the Aquarium, the Fellows' day would be spoiled. Fellows are to retain their privilege of taking two visitors personally with them on Sundays, but if they desire to admit or to send others, they must purchase tickets from the Office in advance for them. The Council intends, however, that in 1929, a green ticket may be used for admission to the Aquarium. On Sundays after January 1st, 1929, Fellows, therefore, by providing a friend with two green tickets, will secure for him admission both to the Gardens and the Aquarium.

With this exception, which will not come into operation until the issue of tickets for 1929, the rules for admission to the Aquarium remain as follows:—

On Sundays, admission is restricted to Fellows who come in person and two friends whom they may take in with them, and to persons for whom they have purchased Aquarium tickets in advance at 1s. each, but Fellows are specially requested in the general interest to use this privilege sparingly.

Fellows may also purchase Aquarium ivory tickets for the sum of £10, valid for the duration of the Fellowship, and admitting two persons to the Aquarium on any day, Sunday or Week-day.

On Week-days Fellows have free personal admission; all others must be provided with Aquarium tickets or pay at the Aquarium turnstile 1s. each for adults, and 6d. each for children under 12, except on Mondays, not Bank Holidays, when the price will be 6d. for everyone. On Bank Holidays the price for adults is 1s. each and for children under 12, 6d. each.

33. AQUARIUM RESEARCH FELLOWSHIP.—Dr. F. P. Stowell, appointed Aquarium Research Fellow for a period of three years beginning in 1925, resigned his Fellowship on his appointment to an important industrial appointment.

During his tenure of office at the Aquarium, Dr. Stowell did much scientific work on the chemistry and physics of the fresh and sea-water in circulation, adding to scientific knowledge and being of direct benefit to the Society's Aquarium.

On the recommendation of a Committee, after consideration of a number of candidates, Council appointed Miss Eleanor Margaret Brown, B.Sc., Lond., Aquarium Research Fellow, on the same terms and conditions as her predecessor. Miss Brown, who took up the post on January 1st, 1928, is a biologist and will pursue a different line of investigation from that taken by her predecessor.

34. INSECT HOUSE.—During the year the Insect House, under the care of Mr. L. C. Bushby, has well maintained its interest to visitors to the Gardens. The observation beehive, installed last year, is still proving of considerable interest. The Land Crabs from the Gambia have, as in past years been an attractive exhibit. Other exhibits of note have been:—Giant Centipedes from Trinidad, Pine Processionary Caterpillars from South France, and Colonies of Wood Ants. The bad weather during the summer detracted somewhat from the outdoor Butterfly House as a good exhibit, but a number of species were shown from time to time.

35. MEDICAL ATTENDANCE AT THE GARDENS.—With over 2,000,000 visitors to the Gardens every year and with a numerous staff, illness and accidents requiring "first-aid" assistance inevitably take place. There is a well-equipped Red Cross Room attached to the Prosectorium to which cases are taken. On week-days from 10 until 5 and on Saturdays from 10 until 1, the Anatomist, who is a qualified medical man, gives first-aid and Dr. Scott, the Pathologist, is always willing to give his advice. On Saturdays after one and Sundays, and all day on Bank Holidays, Dr. J. R. McDonnell, who lives at a few minutes distance from the Gardens, has been retained by the Council to be at telephone call. Dr. Vevers, the Superintendent, who also is a medical man, and Mr. Hicks, the

Superintendent's Assistant, who is highly trained in first aid, are never both away from the Gardens, and the Prosectorial Assistant is also skilled in first-aid dressing.

36. GARDENS STAFF.—There has been no change of importance during the year.

37. GARDENERS' DEPARTMENT.—In spite of the continued bad weather throughout the year, Mr. W. Wall, the Head Gardener, and his staff succeeded in producing a fine show of colour in the flower garden and beds along the Main Walk. The President for the third year in succession presented five thousand daffodil bulbs for planting on the banks of the Canal.

The planting of an avenue of Cornish elms and Lombardy poplars on both sides of the Outer Circle, begun last year, was completed in the autumn, and many other new trees and flowering shrubs were planted in various positions in the Gardens in place of old trees and unsightly evergreens.

As is usual in the Spring, the old and foul turf in the aviaries was cleared out and replaced either by new turf or grass seed.

In spite of the large crowds during the year, there was a noticeable decrease in the amount of litter left by visitors. The Gardening Staff is to be congratulated on the way in which they have maintained a high standard of tidiness in the Gardens.

38. SPECIAL WORKS.—The new Reptile House was opened to visitors on June 15, immediately after Whitsuntide, the date forecast in the Report for 1926. It has been acknowledged, on all sides, as a very great advance on any installation for the exhibition of reptiles hitherto in existence. On the technical side it has proved highly successful in its arrangements for the care and comfort of the reptiles and from the point of view of the public, its beauty has been highly appreciated. The Society is much indebted to Miss Joan B. Procter, the Curator of Reptiles, who devised the scheme and superintended its practical realisation, and to the architect, Mr. E. Guy Dawber, to the

General Electrical Company, whose technical staff devoted much skill and time to the inventions required for the new modes of heating and lighting, to Mr. John Bull, Scenic Artist, and to the Contractors, Messrs. Prestige & Co. The Council are gratified that their sanction of a pioneer scheme in the housing and display of a difficult group of animals has proved successful.

As stated in the Report for 1926 (Para. 36) it was decided to alter the proposed order of the Gardens Improvement Scheme by proceeding at once with the construction of a new Monkey House. Plans for this were prepared by Mr. E. Guy Dawber on the model of the successful Experimental House constructed in 1924 to try out the treatment of monkeys by constant access to the open air, the use of artificial sunlight and warmed shelves, instead of the traditional system of attempting to maintain a constant warmth. The construction of the framework was carried out by Messrs. Prestige & Co., and the wirework and fittings by the Society's own staff under the supervision of the Superintendent, Dr. Vevers, and the House was opened at the end of the year. It was an unfortunate time, as in addition to the normal cold of winter, there was a very severe "blizzard" soon after the monkeys were moved to their new quarters. There were a few casualties, but temporary extra radiant heat was at once supplied, the electrical installation making this possible, and the House appears to be technically efficient. As monkeys are not animals for which it would be practical to supply natural scenery, the ideal aimed at has been perfection of sanitary detail both as regards the monkeys themselves and visitors. The House has been much admired by Continental experts who have visited it as a very important advance in efficient housing. The Society is indebted to Dr. Leonard Hill, F.R.S., a leading expert on hygienic conditions for sickly children, for constant assistance and advice.

The shell of the old Reptile House has been transformed into a House for Birds, with extensive outdoor aviaries, on a scheme devised by Mr. Seth-Smith, the Curator of Birds and Mammals and a Committee of ornithologists. As in

their opinion, the conditions for keeping birds are well understood, the installation has been made on conventional lines. It is expected to be open to the public long before the issue of this Report.

The North Gate was rebuilt and extended in 1926. In 1927 the South Gate was also rebuilt, much greater accommodation being given for the entrance and exit of visitors.

39. ORDINARY WORKS.—The Works Staff of the Gardens, under the direction of Mr. W. Ball, Clerk of the Works, has carried out a large number of items of maintenance and repair in the Gardens. Those which call for special mention are included in the following list.

North Garden.

North Mammal House.—New Sleeping boxes were provided for all the animals in this house.

Owls Aviary.—The roof of this aviary was re-wired. Additional perches were provided.

Lavatory.—The lavatory at the back of the Civets House was pulled down and rebuilt on modern lines.

Road Repairs.—The road between the Gardeners' Department and the Rodent House was picked up, levelled and relaid.

Butterfly Reserve.—An open Butterfly Reserve was wired off on the North Bank. Owing to the wet season, this was not as successful as it might have been, but it is hoped that this year a large number of Butterflies will hatch out and remain on the spot.

Propagating Department.—The Propagating houses were put in good repair and painted inside and out. Twelve new frames were provided.

Middle Gardens.

Kangaroo Sheds.—The concrete floor of the outside verandah was taken up and entirely relaid. New drains were laid and the sleeping dens were put in good repair, cleaned and painted.

Small Mammal House.—During the Spring this house was cleaned down, disinfected and repainted. New sleeping boxes were provided in all the dens.

Insect House.—Four of the bays were converted during the summer into compartments for the reception of a collection of Humming Birds from the West Indies, presented to the Society by Mr. J. Spedan Lewis, F.Z.S.

Elephant House.—The guttering of this house was taken down and renewed. All the inside dens were lime-washed.

Hippopotamus House.—The alteration of this house to provide more accommodation is dealt with under the heading of Special Works, 1928. A new boiler was installed to replace an old one.

Wild Asses House.—The outside paddock was cleared of clay and rubble and a deep layer of sand was laid down to make it safe for the young Grévy's Zebra born in July. Owing to lack of accommodation in the Hippopotamus House, the young Hippopotamus born in the Gardens in August, 1926, was transferred to one of the dens of this house. An electrical immersion heater was installed in the pond.

Canal Bank Aviary.—Considerable difficulty has been experienced in the past in providing shelter boxes for the Parrots in this Aviary, as ordinary wood and zinc boxes are usually destroyed within a few days of fixing. Several new shelter boxes were made out of metal ashbins lined with wood.

South Gardens.

Small Cats House.—The inside and outside were cleaned disinfected and painted during the early part of the year.

Exhibition House.—This house, built for the White Elephant and its companion in 1926, was converted on the departure of these animals into a temporary Monkey House and was used as such until the return of the White Elephant in November last, when it was again

prepared for them. Both elephants left in January, 1928, and the house is now being transformed into a Tapir House. (Par. 41).

Park Paddocks.—One of the Paddocks was prepared for the reception of the Prejvalski's Wild Horses which were presented to the Society by the President. The entire outside wire fence of the Park Paddocks was renewed.

Pavilion Pond.—Extensive alterations were made to suit a large collection of King and Rockhopper Penguins received from the Falkland Islands in February, 1927. Several new shelter boxes were made for the Penguins.

Chimpanzees' Tea Party.—A large cage for the reception of the Chimpanzees' Tea Party was erected in front of the Mappin Terraces. Throughout the summer this was a great attraction.

Ravens Cage.—The Ravens' Cage behind the Camel House, now one of the oldest aviaries in the Gardens, was renovated as far as possible on the same lines as it was originally constructed.

Old Bears Dens.—These dens were painted and put in good repair.

Aquarium.—In connection with the installation of a new boiler at the Aquarium, the stoke-hole was enlarged and a coal store provided.

Lion House.—The exhibition cages, sleeping dens and service passage in this house were thoroughly cleaned, disinfected and painted.

40. MISCELLANEOUS WORKS.

Works Department.—The Blacksmith's shop was enlarged.

Drainage.—The stable drain in the works Yard was taken up and relaid. The whole of the main drain from the Mappin Terraces to the Broad Walk, consisting of about one thousand feet of six-inch drain, was entirely relaid and manholes were placed at suitable intervals.

Elephant Saddles.—A new elephant saddle was made and three of the old ones re-upholstered. A new elephant saddle was also made to fit the small Burmese elephant.

Ideal Home Exhibition.—A working model of a section of the new Monkey House was exhibited at the Ideal Home Exhibition during March. It proved a most attractive exhibit.

Refreshment Rooms.—During the Spring the interior of all the Refreshment Rooms, bars, etc., were cleaned down and repainted. The floor of the bakehouse in the Main Refreshment Rooms was relaid in concrete.

Breeding of Rats for Food.—It was thought desirable to undertake the breeding of rats and mice for food, and with this object in view a room in the Sanatorium was set aside and several hundred specially designed boxes were made in which to raise families of rats and mice. Breeding has been in progress since the Autumn, and there is every reason to hope that it will be a successful undertaking.

Road Making.—Road mending was carried out at the following points :—

- (a) Monkey Hill.
- (b) South Gate.
- (c) North Bank Gardens.
- (d) In vicinity of new Reptile House.
- (e) Elephant Walk.
- (f) Entrance to old tunnel and east canal bridge.
- (g) Road between Antelope Paddocks.
- (h) Approach to west canal bridge, North Bank.

Wire-work.—Repairs to wirework were carried out during the year on the roof of the Peafowls' Aviary, the barrier outside the Lion House, and the Marmots' Enclosure. Forty new waste paper baskets were supplied, and a protective barrier of small-mesh wire was fixed round the cages of the North Mammal House. Small repairs were done at the Wolves' Dens and Birds of Prey Aviaries. Wire barriers were placed round certain of the Cattle Paddocks to protect the public from injury by the animals.

Painting.—Repainting was carried out on the Keepers' Rooms, the Chauffeurs' Room, Garage, Head Gardener's House and whole of the Stores and Butchers' Shop, in which new chopping blocks and tables were provided.

Garden Seats.—Forty garden seats were purchased with a bequest from the late Miss M. Ironside-Jackson. Suitably inscribed plates were provided and fixed on each seat.

Fuel Economisers.—Patent fuel economisers have been fitted to twelve of the boilers in the Gardens. The result has been satisfactory, and the saving in fuel has amounted to about 25 per cent.

Bicycle Shed.—A small bicycle shed was erected at the Timekeeper's Gate so that all bicycles belonging to keepers in the Gardens can now be left at the gate in charge of the Timekeeper.

Weigh-Bridge.—The old weigh-bridge in the Stores, Yard, which had been repaired many times, was condemned by the Inspector of Weights and Measures. It was replaced by a twenty-ton weigh-bridge.

Electrical Department.—During the early part of the year a transformer house was erected and three transformers were installed. The Society now receives an electric supply by direct cable from the St. Marylebone Power Station to the Gardens. The current received is 6,000 volts alternating, and this is transformed to 240 volts a.c. This supply is now used in all the houses which have been electrified, chief amongst which are the new Reptile House and Monkey House, where the heating is done entirely by electricity. Under the supervision of Mr. H. P. Davolls, the Society's head electrician, electric light has been installed in the New Monkey House, New Bird House and Works' Department.

41. SPECIAL WORKS FOR 1928.—The North and South Gates having been rebuilt and enlarged, the Council decided to replace the Main Gate by a new structure

more convenient to visitors and more suitable for the entrance leading into the most important part of the Gardens. In addition to rebuilding the Gate and providing more turnstiles, a semi-circular courtyard enclosed by a pergola is being formed, and a new lavatory for ladies provided. Opportunity is being taken to arrange more symmetrically the paths diverging from the Gate. The design has been made by Mr. E. Guy Dawber on a scheme suggested by the Secretary and Miss J. B. Procter. It is hoped that the work will be sufficiently advanced for the Entrance to be used at Easter, and be completed early in the summer.

Enlargement of Hippopotamus House.—Three new sleeping dens are being provided and the inside pond which has been used by the Pigmy Hippos is to be enlarged as much as space will allow.

Adaptation of Small Bird House for Tortoises.—In order to bring the Tortoises nearer to the Reptile House the Small Bird House is being converted into a Tortoise House as a temporary measure pending the construction of a permanent Tortoise House on the site of the present Western Aviary.

Widening of Path between Ostrich House and Reptile House.—This path, which was somewhat narrowed by the erection of the new Reptile House, is being widened to allow the passage of visitors, and the Ostrich House fence at this point is being reconstructed.

Tarmacadam.—Continuing the scheme which has been in progress during the past five years, further large areas of roads and paths in the South Gardens are being permanently relaid with tarmacadam.

Conversion of Exhibition House.—This house which was primarily erected for the White Elephant and its companion in 1926, and has since been a temporary Monkey House, is now being converted into a Tapir House. Two steam-heated ponds are being constructed inside the house

and a large pond and paddock are being formed outside. The house and outside paddock will be divided into two, so that the South American and Malayan species of Tapirs can be shown side by side.

Boundary Fence.—H.M. Office of Works are replacing the old oak fence in the Outer Circle and Albert Road by an iron fence of modern design. As this fence has to be two feet higher than the ordinary Park fence to meet the requirements of the Society, the Society is paying a contribution towards the extra height.

Relaying of Drains.—It has been decided to spend five hundred pounds annually on relaying main drains in the Gardens. It is estimated that it will take four years to complete this work.

42. **BAND.**—The Band of the 65th (8th London) Field Brigade, Royal Artillery, has again been engaged for the season. It will play on Saturday and Sunday afternoons from May 26th, 1928, to August 26th, 1928, inclusive.

As the Fellows' Pavilion is inadequate on Saturday and Sunday afternoons, the New Tea Pavilion will also be reserved for Fellows when the Band is playing.

43. **REFRESHMENT DEPARTMENT.**—The Accounts have been audited, as usual, by Messrs. Edward Moore & Sons. The gross profits for 52 weeks to October 1st, 1927, amounted, after feeding the Staff, to £43,277 2s. 7d. The working expenses for the same period amounted to £18,192 12s. 8d., leaving a trading profit of £25,084 9s. 11d. After making the usual allowances for rent, depreciation, and licence duties, etc., allotting the receipts from the lavatories on the same lines as last year, and deducting the Manager's salary and percentage, there was a net profit to the Society amounting to £18,812 12s. 4d. Of that amount, the sum of £412 12s. 4d. was allotted to repaying the Works Department for work carried out at the Refreshment Rooms. The balance of £18,400 has been carried forward, but out of this £3,680 must be reserved

towards the payment of Income Tax, Schedule D. At the request of the Council, the Committee of Auditors appointed in January, 1927, held a special meeting to audit the accounts of the Refreshment Department. The results of their investigations have been incorporated in the accounts of the Society for the current year.

44. TRANSPORT OF ANIMALS.—In view of the admitted need of improving the conditions in which living animals are transported, the Council appointed a Committee to consider the matter and report. The Committee has already advanced far in its labours. The following letter, addressed by the Secretary to Major Stanley Flower, who was appointed Chairman of the Committee by the Council, explains the origin and scope of the Committee :—

Zoological Society of London,
November 29th, 1927.

MY DEAR FLOWER,

TRANSPORT OF ANIMALS COMMITTEE.

You have kindly agreed to be Chairman of what for short we may call the Transport of Animals Committee.

There is a considerable transport of living mammals, birds, reptiles, amphibia and fishes, some consigned directly to Zoological Gardens, others to amateurs, others to the trade for sale. In our experience here, the incidence of mortality on new arrivals is out of proportion to the natural viability of the animals concerned and points directly to the operation of factors which might be eliminated. Purchasers from dealers have similar experience. This summer Mr. D. A. Bannerman and Mr. Norman Kinnear called my attention to specific instances of transport under extremely unsuitable conditions, and asked if some steps could not be taken. I replied that in my opinion the fault was largely due to ignorance and that the Zoological Society had always found prospective donors very ready to accept suggestions as to suitable cages, food for the voyage and so forth, and that information of that kind might be extended and put in suitable form for distribution. I undertook to bring the matter before the Council of the Zoological Society together with the suggestion that a Committee might be appointed to draft suitable instructions.

The Council accepted the suggestion and appointed the following Committee, requesting you to act as Chairman :—

Major Stanley Flower,
 Mr. D. Seth-Smith, Curator of Mammals and Birds,
 Miss Joan B. Procter, Curator of Reptiles,
 Mr. E. G. Boulenger, Director of the Aquarium.

They also asked me to invite in their name a representative dealer to serve, and to ask various other authorities to nominate members. The Committee, therefore, has been strengthened by the addition of the following :—

Mr. G. B. Chapman, F.Z.S., a large importer of animals,
 Mr. Norman Boyd Kinnear, F.Z.S., nominated by the Trustees of the British Museum,
 Mr. D. A. Bannerman, nominated by the British Ornithologists' Union,
 Miss E. Maud Knobel, F.Z.S., nominated by the Avicultural Society,
 Colonel A. K. Wyllie, nominated by the Royal Society for the Prevention of Cruelty to Animals,
 Mr. P. J. L. Kelland, Deputy Chief Veterinary Officer, nominated by the Ministry of Agriculture and Fisheries,
 Mr. F. N. Grosvenor, representing the P. and O. and Allied Lines.

The Home Office express sympathy with the objects of the Committee, and the Mercantile Marine Department of the Board of Trade offer any information or assistance they can in regard to the physical means of conveyance of animals on board ship. They also offer to send representatives with experience to meet the Committee after suitable conditions have been formulated for different kinds of animals.

I myself, Dr. G. M. Vevers, Superintendent of the Gardens, and Dr. H. H. Scott will be most ready to give you any assistance or information in our power.

The Council of the Zoological Society did not draft a formal reference, preferring to give the Committee as free a hand as possible. In a general way your function is consideration of all stages in the transport of animals from the selection of suitable individuals for travelling to their first care after unpacking at their ultimate destination. This will include :—

Simple criteria of health and condition before packing.
 Securing that selected animals are willing to take the food which can be supplied them during transport.
 Suitable boxes, cages and packing.
 Directions for hygiene during transport.

Food supply during transport.

Attention required during transport.

Immediate treatment on reception.

Temporary detention pending ultimate destination.

As you personally have much experience in the transport of animals, I need not remind you of the need of attention to such points as the relative size of packages and cages, the numbers in each cage, provision for feeding, watering and cleaning (in especial the avoidance of cleaning with salt water at sea), prevention of teasing or injudicious feeding by unauthorised persons, ventilation and freedom from draught, suitable temperatures, prompt removal of unused food, and so forth.

It has also to be kept in mind that the conditions suggested often will have to be carried out in remote parts of the tropics or in ports where makeshift devices alone are possible.

It is the hope of the Council that you will be able to draw up, so to speak, specifications suitable for a large number of different kinds of animals. If you succeed in this I shall be glad of the suggestions and advice of the Committee as to the best form in which your recommendations might be published, as, for example, in a number of pamphlets.

It also may be possible, and on this I shall be glad of the advice of the Committee, that we should approach Shipping Companies with the view to their favouring shippers who comply with the suggestions you lay down, and with Insurance Companies to the same effect.

May I add that the Council of the Zoological Society attaches great hopes to the results of your deliberations, and that if in the course of your enquiry you find that there is any assistance we might be able to give you, we shall do our best to comply with your request.

Believe me,

Yours very sincerely,

P. CHALMERS MITCHELL.

45. WHIPSNAD ESTATE.—The purchase of freehold land at Whipnade, referred to in the Annual Report for 1926, was completed early in the year. Later two adjoining parcels of land were added so that the estate now consists of approximately 480 acres of freehold land with a farmhouse and buildings. In the opinion of the Council the situation and varied character of the land,

which includes downs, woodland and arable, are extremely suitable for development into what might become the finest Zoological Park in Europe.

There are several footpaths, at least two of which are rights of way, traversing the property, and local rights regarding the digging of flints and the use of a pond. Friendly agreements have been come to with the various Local Authorities concerned in these, so that the Society is now assured of local sympathy for its scheme. It was necessary, however, to seek powers from Parliament for these and other matters incidental to the construction and maintenance of a Zoological Park. A private Bill, accordingly, has been promoted which, if it is passed, will give the Society what it requires. The Bill is in the unopposed list and was read for a second time in the House of Commons on February 17th, 1928.

Pending the obtaining of full powers, the Council has thought it prudent to expend little on the Estate. The vital step of sinking for water seemed necessary, and a borehole through the Chalk and Upper Greensand has been completed, with the fortunate result that a supply capable of yielding 5,000 gallons an hour has been obtained. The farm-house has been restored and put in order. Two cottages have been restored and a keeper installed in one of them. A run of fencing has been erected to protect the woods from damage by casual visitors, and a good deal of hedging and ditching has been carried out. Undergrowth of elder which was choking the woodlands has been cleared away. As part of the intention of the Council is to make Whipsnade a sanctuary for native wild life, one wood has been fenced in and provided with a large number of nesting boxes. Two old ponds have been cleaned out and made suitable for ducks. A small pheasantry has been fenced off and fruit trees planted in it.

In the event of the Bill being passed this summer, it will be possible to proceed more actively, but the development of the whole estate will require large expenditure and many years.

46. MENAGERIE.—The Society is as usual much indebted to Fellows, Corresponding Members, Private Donors, and to Institutions, Societies and Shipping Companies for their most kind help in maintaining the collection of animals by gifts and by assistance in transport. Specially to be mentioned in respect of 1927, are H.M. The King, Patron of the Society, H.R.H. The Duke of York, H.G. the Duke of Bedford, K.G., President of the Society, The Marquis of Sligo, Mr. Alfred Ezra, F.Z.S., Mr. J. Spedan Lewis, F.Z.S., H.E. Sir Cecil H. Armitage, F.Z.S., Mr. A. A. Haserick, F.Z.S., Dr. Thomas Barbour, C.M.Z.S., Dr. Burgess Barnett, C.M.Z.S., Mr. G. C. Chapman, F.Z.S., Mr. Sydney Porter, F.Z.S., the Bombay Natural History Society, the Zoological Gardens of Calcutta, the Rangoon Zoological Gardens, Messrs. Alfred Holt & Co., Messrs. Henderson & Co., the Ellerman Line, the Union-Castle Steamship Co., and the British India Steam Navigation Co., through Messrs. Gray, Dawes & Co.

The health of the collection was on the whole good, notwithstanding the wet summer, and there has been a notable reduction in diseases due to defective hygiene.

47. COMMISSARIAT.—In the following table are given the quantities of the principal kinds of food, etc., consumed in the Gardens in 1927 :—

Class.	Description.	Number or Quantity.
Fodder, etc....	Hay	143 tons.
"	Clover	133 tons.
"	Straw	96 tons.
"	Tares	25,196 bundles.
"	Chaff	7 tons 16 cwts.
"	Peat-Moss Litter ...	75 bales.
Grain, etc. ...	Oats	845 qtrs.
"	Bran	205 qtrs.
"	Wheat	46 qtrs.
"	Wheat-Mixture ...	69 qtrs.
"	Barley Meal	12 cwts.

Class.	Description.	Number or Quantity.
Grain, etc. ...	Maize	18 qtrs.
" ...	Locust Beans	77 cwts.
" ...	Rice	100 cwts.
" ...	Canary Seed	22 qtrs.
" ...	Hemp Seed	9 qtrs.
" ...	Millet	5 qtrs.
" ...	Sunflower-seed	9 qtrs.
" ...	Quaker oats	398 lbs.
Fish ..	Plaice	1 ton, 13 cwts.
" ..	Herrings and Whiting	50 tons.
" ..	Shrimps	1,971 pints.
Flesh ..	Horses	435 or approx. 216½ tons.
" ...	Goats	256.
Milk ...	Condensed—Sweetened	6,336 tins.
" ...	" Unsweetened	4,320 tins.
Nuts ...	Spanish... ..	208 qts.
" ...	Monkey	49½ cwts.
" ...	Brazil	104 lbs.
Fruit and vegetables	Bananas	175,704.
"	Dried Bananas	1 ton, 2 cwts.
"	Apples	7 tons, 2 cwts.
"	Grapes	2 tons.
"	Oranges	16,246.
"	Dates	16 cwts.
"	Currants	7 cwts.
"	Sultanas	52 lbs.
"	Lettuce... ..	19,391.
"	Greens	2,228 bushels.
"	Carrots	6 tons, 2 cwts.
"	"	2,060 bunches.
Fruit and vegetables	Potatoes	32¾ tons.
"	Onions	2½ cwts.
Miscellaneous	Biscuits	10 tons, 4 cwts.
"	Biscuit meal	6 tons, 14 cwts.
"	" Melox "	60 cwts.
"	Mellin's Food	23 pots.
"	Rock Salt	20 cwts.
"	Honey	98 lbs.
"	Bread	13 tons, 3 cwts.
"	Eggs	23,800.
"	Oil-cake	1 ton, 18 cwts.
"	Sugar	396 lbs.
"	Ant-eggs	175 lbs.
"	Mealworms	295 lbs.
"	Dried Flies	521 lbs.

48. NUMBERS OF THE COLLECTION.

Animals in the Gardens on December 31st, 1927.

Animals of all kinds (except Fish and Invertebrates) on January 1st, 1927	3,481
Animals of all kinds (except Fish and Invertebrates) received in 1927 by presentation, exchange, deposit, purchase or birth	2,688
	6,169
Animals of all kinds (except Fish and Invertebrates) dead, sold, sent in exchange, or returned to depositors in 1927	2,397
Animals of all kinds (except Fish and Invertebrates) in the Gardens on December 31st, 1927	3,772

Additions to the Collection, 1925-1927.

	Presentation	Purchase.	Deposit.	Exchange.	Birth.	TOTAL.
1925 ..	1,004	516	195	50	190	1,955
1926 ..	999	668	93	40	239	2,039
1927 ..	1,255	985	100	16	332	2,688

49. ANIMALS BRED DURING 1927.

Mammals.

Jan. 31.	3	Coypu Rats (<i>Myocastor coypus</i>), reared.
Jan. to Oct. }	7	Barbary Sheep (<i>Ammotragus lervia</i>), reared.
Feb. 8.	1	East African Buffalo (<i>Bos caffer</i>), reared.
Feb. 17.	1	Hog Deer (<i>Axis porcinus</i>), reared.
Mar. 18.	2	Indian Wild Dogs (<i>Cyon deccanensis</i>); reared.
Mar. 29.	12	Shaw's Gerbilles (<i>Meriones shawi</i>), reared.
April 1.	2	Field Voles (<i>Microtus agrestis</i>), reared.
April 7.	10	Shaw's Gerbilles (<i>Meriones shawi</i>), reared.

- April 17. 6 Prairie Wolves (*Canis latrans*), 2 died,
4 reared.
- April 21. 4 Field Voles (*Microtus agrestis*), reared.
- May 1. 1 Nylghaie (*Boselaphus tragocamelus*), reared.
- April to }
May } 7 Mouflon (*Ovis musimon*), reared.
- May 15. 2 Long-tailed Porcupines (*Acanthion longi-
cauda*), reared.
- May 17. 1 Reindeer (*Rangifer tarandus*), reared.
- May 19. 1 Maholi Galago (*Galago maholi*), reared.
- May 19. 10 Shaw's Gerbilles (*Meriones shawi*), reared.
- June 1. 1 American Bison (*Bison americanus*), reared.
- June 3. 1 Himalayan Ibex (*Capra sibirica*), died.
- June 7. 2 Virginian Deer (*Odocoileus virginianus*),
reared.
- June 8. 1 Muntjac (*Muntiacus vaginalis*), reared.
- June 12. 1 Marica Gazelle (*Gazella marica*), reared.
- June 16. 8 Coypu Rats (*Myocastor coypus*), 1 died,
7 reared.
- June 26. 1 Thar (*Hemitragus jemlaicus*), reared.
- July 6. 1 Thar (*Hemitragus jemlaicus*), reared.
- July 7. 2 Nylghaie (*Boselaphus tragocamelus*), reared.
- July 8. 4 Brant's Gerbilles (*Gerbillus brantsii*), reared.
- July 9. 1 Kashmir Deer (*Cervus hanglu*), reared.
- July 14. 1 Thar (*Hemitragus jemlaicus*), reared.
- July 16. 1 Kiang (*Equus kiang*), reared.
- July 22. 1 Long-tailed Porcupine (*Acanthion longi-
cauda*), reared.
- July 26. 1 Wapiti Deer (*Cervus canadensis*), reared.
- Aug. 4. 1 Grévy's Zebra (*Equus grevyi*), reared.

- Aug. 5. 1 Wapiti Deer (*Cervus canadensis*), reared.
 Aug. 7. 2 Collared Peccaries (*Tayassu tajacu*), reared.
 Aug. 14. 14 Shaw's Gerbilles (*Meriones shawi*), reared.
 Aug. 14. 4 Brant's Gerbilles (*Gerbillus brantsii*), reared.
 Aug. 23. 2 African Porcupines (*Hystrix africae australis*)
 reared.
 Nov. 5. 1 Hog Deer (*Axis porcinus*), reared.
 Nov. 13. 1 Lion (*Felis leo*), died from malformation.
 Nov. 13. 1 Hamadryas Baboon (*Papio hamadryas*),
 still alive.
 Nov. 22. 1 Coypu Rat (*Myocastor coypus*), reared.
 Dec. 6. 1 Hamadryas Baboon (*Papio hamadryas*),
 still alive.
 Dec. 27. 10 Shaw's Gerbilles (*Meriones shawi*), reared.
 Dec. 27. 1 Papuan Flying Phalanger (*Petaurus brevi-*
ceps papuanus), reared.

Birds.

- May 23. 2 Black-footed Penguins (*Spheniscus demersus*)
 died when 4 weeks old.
 May 23. 1 Black-necked Swan (*Cygnus melanocoryphus*)
 killed by rats.
 May 23. 2 Cereopsis Geese (*Cereopsis novae-hollandiae*),
 reared.
 May to } 151 Budgerigars (*Melopsittacus undulatus*),
 Oct. } reared.
 June to } 17 Blue Budgerigars (*Melopsittacus undulatus*
 Oct. } *var.*), reared.
 June 3. 1 Half-collared Turtle Dove (*Streptopelia semi-*
torquata), reared.
 June 11. 3 Peacock Pheasants (*Polyplectron chinquis*),
 reared.

- June 11. 1 Gold Pheasant (Dark Var.) (*Chrysolophus pictus*), reared.
 June 11. 1 Amherst Pheasant (*Chrysolophus amherstiae*) reared.
 June 11. 3 Common Peafowl (*Pavo cristatus*), reared.
 June 11. 2 Hybrid Bel's and Silver Pheasants (*Gennæus beli* × *G. nycthemerus*), reared.
 June 11. 2 North-American Turkeys (*Meleagris americanus*), reared.
 Aug. 28. 2 White Budgerigars (*Melopsittacus undulatus* var.), reared.

Reptiles.

- Oct. 26. 2 Egyptian Earth Boas (*Eryx jaculus*).
 June 27. 8 Russell's Vipers (*Vipera russelli*).
 May 23. 1 Algerian Tortoise (*Testudo ibera*).

50. LIST OF SPECIES NEW TO THE COLLECTION IN 1927.
 (The figures placed before each name indicate its approximate position in the Vertebrate List).

I.—MAMMALS.

- 392 b. *Funisciurus palliatus* (Peters). Red-headed Squirrel.
Hab. Portuguese East Africa.
 a. Presented by J. Spedan Lewis, Esq., F.Z.S., 29th December, 1927.
- 428 h. *Gerbillus brantsii* A. Smith. Brant's Gerbille.
Hab. Portuguese E. Africa.
 a-e. Purchased, 14th June, 1927.
- 510 a. *Lepus arcticus bangsi* Rhoads. Arctic Hare.
Hab. Newfoundland.
 a. Presented by Capt. J. C. Jackson, 8th January, 1927.

- 744 b. *Petaurus breviceps papuanus*, Thomas. Papuan Flying Phalanger.
Hab. (New Guinea.)
a, b. Presented by W. J. C. Frost, Esq., 22nd September, 1927.

II.—BIRDS.

- 14 j. *Cichloselys sibiricus* (Pall.). Siberian Thrush.
Hab. (China).
a. Deposited, 13th December, 1927.
- 20 b. *Catharus mexicanus* (Bp.). Mexican Thrush-Robin.
Hab. (Mexico.)
a. Presented by G. Bruce Chapman, Esq., F.Z.S., 11th March, 1927.
- 22 d. *Saxicola insignis* (Hodgson). Hodgson's Bush-Chat.
Hab. (India.)
a. Deposited, 13th June, 1927.
- 22 e. *Ænanthe picata* (Blyth). Pied Chat.
Hab. (India.)
a. Deposited, 13th June, 1927.
- 22 g. *Cossypha natalensis* Smith. Natal Robin-Chat.
Hab. Natal.
a. Deposited, 5th January, 1927.
- 59 b. *Suthora webbiana* Gray. Chinese Crow-Tits.
Hab. (China.)
a, b. Presented by H. C. Eustace, Esq., 13th December, 1927.
- 60 a. *Cossypha heuglini* Hartl. Heuglin's Robin-Chat.
Hab. Portuguese East Africa.
a, b. Presented by J. Spedan Lewis, Esq., F.Z.S., 29th December, 1927.

- 100 g. *Timalia pileata bengalensis* Godwin-Austen. Bengal Red-capped Babbler.
Hab. (India.)
 a. Presented by Capt. H. S. Stokes, F.Z.S., 14th March, 1927.
- 100 h. *Rhopophilus pekinensis* (Swinh.). Chinese Babbler.
Hab. (China.)
 a. Deposited, 13th December, 1927.
- 111 b. *Malaconotus starki* W. L. Sclater. Southern Grey-headed Bush-Shrike.
Hab. Natal.
 a. Deposited, January 5th, 1927.
- 114 a. *Ptilogonys cinereus* (Swains.). Crested Grey Bird.
Hab. (Mexico.)
 a-c. Purchased, 11th March, 1927.
- 121 k. *Anthrothreptes collaris hypodilus* (Jard.). Zambesi collared Sunbird.
Hab. Portuguese East Africa.
 a. Deposited, 29th December, 1927.
- 121 l. *Cinnyris microrhynchus* Shelley. Little Bifasciated Sunbird.
Hab. Portuguese East Africa.
 a. Deposited, 29th December, 1927.
- 176 a. *Uræginthus cyanocephalus* Rich. Blue-headed Waxbill.
Hab. (East Africa.)
 a. Presented by James Bailey, Esq., 26th December, 1927.
- 186 c. *Lagonosticta jamesoni* Shelley. Jameson's Fire Finch.
Hab. Portuguese East Africa.
 a, b. Presented by J. Spedan Lewis, Esq., F.Z.S., 29th December, 1927.

- 245 a. *Hyphantornis nigriceps* Layard. Black-faced Weaver.
Hab. East Africa.
 a, b. Presented by Sydney Porter, Esq., F.Z.S.,
 3rd September, 1927.
- 245 c. *Amblyospiza albifrons* (Vig.). Thick-billed Weaver.
Hab. Portuguese East Africa.
 a-c. Presented by J. Spedan Lewis, Esq., F.Z.S.,
 29th December, 1927.
- 248 b. *Passerina versicolor* (Bp.). Versicolor Bunting.
Hab. (Mexico.)
 a. Deposited, 6th September, 1927.
- 266 b. *Pyrrhuloxia sinuata* Bp. Thick-billed Cardinal.
Hab. (Mexico.)
 a, b. Purchased, 11th March, 1927.
- 517 i. *Thalurania columbica* (Bourc.). Columbian Wood Nymph Humming Bird.
Hab. Costa Rica.
 a-d. Presented by J. Spedan Lewis, Esq., F.Z.S.,
 21st August, 1927.
- 517 j. *Phaethornis longirostris* (Less. and Delattre). Mexican Hermit Humming Bird.
Hab. Costa Rica.
 a. Presented by J. Spedan Lewis, Esq., F.Z.S.,
 21st August, 1927.
- 517 k. *Elvira chionura* (Gould). White-tailed Emerald Humming Bird.
Hab. Costa Rica.
 a. Presented by J. Spedan Lewis, Esq., F.Z.S.,
 21st August, 1927.
- 517 l. *Campylopterus hemileucurus* (Licht.). De Lattre's Sabre-wing Humming Bird.
Hab. Costa Rica.
 a. Presented by J. Spedan Lewis, Esq., F.Z.S.,
 21st August, 1927.

- 517 m. *Amazilia dubusi* (Bourc. & Muls.). Dubus's Humming Bird.
Hab. Costa Rica.
a-h. Presented by J. Spedan Lewis, Esq., F.Z.S.,
 21st August, 1927.
- 535 b. *Halcyon cyaniventris* (Vieill). Javan Kingfisher.
Hab. Java.
a. Deposited, 6th September, 1927.
- 538 a. *Sauromarptis gaudichaudi* (Q. & G.). Gaudichaudi Kingfisher.
Hab. (New Guinea.)
a. Deposited 6th September, 1927.
- 558 b. *Momotus swainsoni* Scl. Trinidad Motmot.
Hab. Trinidad.
a, b. Presented by Miss Nona C. Byatt, 18th
 April, 1927.
- 560 g. *Eurystomus afer* (Lath.). Cinnamon Roller.
Hab. Portuguese East Africa.
a. Presented by J. Spedan Lewis, Esq., F.Z.S.,
 29th December, 1927.
- 578 c. *Cyanops armillaris* (Temm.). Golden-fronted Barbet.
Hab. Java.
a. Deposited, 6th September, 1927.
- 578 d. *Lybius abyssinicus* (Lath.). Red-faced Barbet.
Hab. Abyssinia.
a. Received in exchange, 29th November, 1927.
- 599 b. *Chalcopsittacus insignis* (Oust.). Raja Lory.
Hab. North West New Guinea.
a. Deposited, 6th September, 1927.

- 603 d. *Eos insularis* (Gm.). Insular Lory.
Hab. Weeda Island.
 a. Presented by Alfred Ezra, Esq., O.B.E., F.Z.S.,
 31st August, 1927.
- 616 b. *Hypocharmosyna placens* (Temm.). Pleasing Lori-
 keet.
Hab. Halmahera, Moluccas.
 a. Deposited, 27th September, 1927.
- 679 a. *Pyrrhura rhodogaster* Sclater. Crimson-breasted
 Conure.
Hab. Central Brazil.
 a, b. Purchased, 5th September, 1927.
- 749 a. *Geoffroyus cyanicollis* (S. Müll.). Blue-collared
 Parrakeet.
Hab. Halmahera, Moluccas.
 a. Deposited, 27th September, 1927.
- 773 c. *Agapornis personata* Reichenow. Masked Love-
 bird.
Hab. Tanganyika Territory.
 a. Presented by G. Bruce Chapman, Esq., F.Z.S.,
 5th May, 1927.
- 773 d. *Agapornis fischeri* (Reichenow.). Fischer's Love-
 bird.
Hab. (Victoria Nyanza.)
 a, b. Presented by G. Bruce Chapman, Esq.,
 F.Z.S., 27th August, 1927.
- 864 a. *Cryptoglaux funerea richardsoni* (Bp.). Richard-
 son's Owl.
Hab. Taken at sea 200 Miles from New York.
 a. Presented by The Ship's Officers, s.s. "Minne-
 waska," 31st October, 1927.

- 976 b. *Microhierax fringillarius* (Drap.). Falconet.
Hab. Malay Peninsula.
 a. Deposited, 6th September, 1927.
- 1345 a. *Pternistes æfer humboldti* Peters. Bare-throated
 Francolin.
Hab. Portuguese East Africa.
 a, b. Purchased, 14th June, 1927.
- 1370 a. *Philortyx fasciatus* Gould. Mexican Barred
 Partridge.
Hab. (Mexico).
 a, b. Purchased, 11th March, 1927.
- 1483 c. *Rallus cærulescens* Gm. Kaffir Rails.
Hab. Portuguese East Africa.
 a, b. Presented by J. Spedan Lewis, Esq., F.Z.S.,
 29th December, 1927.
- 1488 b. *Porzana pusilla obscura* Neum. African Spotted
 Crake.
Hab. Portuguese E. Africa.
 a. Deposited, 29th December, 1927.
- 1488 c. *Limnocorax niger* (Gm.). Black Crake.
Hab. (Tropical Africa).
 a-d. Deposited, January 5th, 1927.
- 1488 d. *Sarothrura rufa* (Vieill.). Red-chested Crake.
Hab. (South Africa.)
 a. Presented by Capt. H. S. Stokes, F.Z.S., 18th
 February, 1927.
- 1555 b. *Ædicnemus vermiculatus* Cab. Water Thicknee.
Hab. South Africa.
 a, b. Deposited, January 5th, 1927.

- 1561 b. *Hemiparra crassirostris leucoptera* (Reichen.).
White-winged Lapwing.
Hab. Portuguese East Africa.
a-d. Presented by J. Spedan Lewis, Esq., F.Z.S.,
29th December, 1927.
- 1568 a. *Glareola lactea* (Temm.). Small Indian Pratincole.
Hab. (India.)
a. Deposited, 13th June, 1927.
- 1569 a. *Actophilornis africanus* (Gm.). African Jacana.
Hab. Portuguese East Africa.
a-c. Purchased, 5th August, 1927.
- 1573 a. *Himantopus himantopus* (Linn.). Black-winged
Stilt.
Hab. Portuguese East Africa.
a. Purchased, 14th June, 1927.

III.—REPTILES.

- 108 c. *Phyllodactylus microphylus* Cope. Peruvian Gecko.
Hab. Lobitos, Peru.
a-e. Presented by Dr. Burgess Barnett, C.M.Z.S.,
21st June, 1927.
- 116 a. *Homopholis wahlbergii* (Smith). Wahlberg's Gecko.
Hab. Portuguese East Africa.
a. Purchased, 29th August, 1927.
- 121 b. *Pachydactylus bibronii* Bibr. Bibron's Clawless
Gecko.
Hab. Great Fish River Valley, South Africa.
a. Purchased, 21st February, 1927.
- 122 e. *Coleonyx variegatus* Baird. Texan Ground Gecko.
Hab. Texas.
a. Purchased, 21st May, 1927.
- 122 f. *Coleonyx fasciatus* Blgr. Banded Ground Gecko.
Hab. Mexico.
a. Purchased, 21st May, 1927.

- 131 e. *Agama atra* (Daud). Common African Agama.
Hab. Portuguese East Africa.
a-h. Purchased, 29th August, 1927.
- 151 b. *Tropidurus occipitalis* Ptrs.. Crested Lizard.
Hab. Lobitos, Peru.
a-c. Presented by Dr. Burgess Barnett, C.M.Z.S.,
 21st June, 1927.
- 151 c. *Tropidurus peruvianus* Less. Peruvian Lizard.
Hab. N.W. Peru.
a-f. Presented by Dr. Burgess Barnett, C.M.Z.S.,
 21st June, 1927.
- 160 *Uta graciosa* Hallowell. Brush Swift.
Hab. North America.
a-b. Presented by A. Foehl, junr., Esq., 21st May,
 1927.
- 183 a. *Varanus komodoensis* Ouwens. Komodo Dragon.
Hab. Komodo Island, Dutch East Indies.
a-b. Deposited, 6th June, 1927.
- 209 a. *Eremias undata* (Smith). Five-striped Lizard.
Hab. Portuguese East Africa.
a-b. Purchased, 29th August, 1927.
- 209 b. *Eremias lineo-ocellata* (Dum & Bibron). Speckled
 Bush Lizard.
Hab. Portuguese East Africa.
a-b. Purchased, 29th August, 1927.
- 243 b. *Chamaeleon fischeri wernerii* Tornier. Werner's
 Chameleon.
Hab. Amani, Usambara Mts., Tanganyika Terri-
 tory.
a-f. Presented by Arthur Loveridge, Esq.,
 C.M.Z.S., 7th February, 1927.

- 243 a. *Chamaeleon fischeri vosseleri* Nieden. Vosseler's
Chameleon.
Hab. Amani, Usambara Mts., Tanganyika Territory.
a-g. Presented by Arthur Loveridge, Esq.,
C.M.Z.S., 7th February, 1927.
- 243 c. *Chamaeleon fischeri multituberculatus* Nieden.
Tuberculated Chameleons.
Hab. Phillipskop, Usambara Mts., Tanganyika
Territory.
a-q. Presented by Arthur Loveridge, Esq.,
C.M.Z.S., February 7th, 1927.
- 244 f. *Chamaeleon deremensis* Matschie. Sail-backed
Chameleon.
Hab. Amani, Usambara Mts., Tanganyika Territory.
a. Presented by Arthur Loveridge, Esq., C.M.Z.S.,
7th February, 1927.
- 282 a. *Natrix olivacea* (Ptrs.). Black-backed Grass
Snake.
Hab. Portuguese East Africa.
a. Purchased, 5th August, 1927.
- 292 a. *Lycophidium capense* (Smith). African Wolf
Snake.
Hab. Portuguese East Africa.
a. Purchased, 5th August, 1927.
- 318 e. *Elaphe oxycephalus* (Boie). Red-tailed Tree
Snake.
Hab. Malaya.
a. Purchased, 30th September, 1927.

- 362 a. *Philodryas elegans* (Tsch.). Small-spotted Tree Snake.
Hab. North West Peru.
a-e. Presented by Dr. Burgess Barnett, C.M.Z.S., 21st June, 1927.
- 369 a. *Psammophis subtæniatus* (Ptrs.). Hissing Sand Snake.
Hab. Portuguese East Africa.
a. Purchased, 5th August, 1927.
- 373 c. *Chlorophis neglectus* (Ptrs.). All Green Leaf Snake.
Hab. Portuguese East Africa.
a-e. Purchased, 5th August, 1927.
- 378 b. *Calamelaps polylepis* Bocage. Earth Snake.
Hab. Portuguese East Africa.
a. Purchased, 5th August, 1927.
- 408 b. *Echis coloratus* Gunther. Arabian Saw Viper.
Hab. Abassia, near Cairo.
a. Presented by R. F. Sullens, Esq., 30th January, 1927.
- 416 e. *Trimeresurus purpureoma culatus* (Gray). Temple Viper.
Hab. Malaya.
a. Purchased, 30th September, 1927.

IV.—AMPHIBIA.

- 14 a. *Rappia marmorata* Rapp. Marbled Tree Frog.
Hab. Portuguese East Africa.
a-d. Purchased, 14th June, 1927.
- 14 b. *Chiromantis xerampelina* Ptrs. Rhodesian Tree Frog.
Hab. Bechuanaland.
a. Presented by Col. H. M. Hardcastle, 24th June, 1927.

- 14 c. *Megalixalus loveridgii* Procter. Loveridge's
Prickly Frog.
Hab. Amani, Usambara Mts., Tanganyika Terri-
tory.
a-i. Presented by Arthur Loveridge, Esq.,
C.M.Z.S., 7th February, 1927.
- 14 d. *Hyperolius puncticulata* Pfeffer. Banded Tree
Frog.
Hab. Amani, Usambara Mts., Tanganyika Terri-
tory.
a-d. Presented by Arthur Loveridge, Esq.
C.M.Z.S., 7th February, 1927.
- 36 b. *Bufo crucifer* Wied. Cross-backed Toad.
Hab. S. America.
a-e. Purchased, 15th March, 1927.
- 29 e. *Hemisus marmoratus* (Ptrs.). Pug-faced Frogs.
Hab. Portuguese East Africa.
a-e. Purchased, 5th August, 1927.
- 49 c. *Hyperolius argus* (Ptrs.). Argus-eyed Tree Frogs.
Hab. Portuguese East Africa.
a-e. Purchased, 5th August, 1927.
- 49 d. *Hylambates johnstoni* Blgr. Johnston's Tree Frogs
Hab. Portuguese East Africa.
a-b. Purchased, 5th August, 1927.

V.—FISHES.

- 94 a. *Narcobatus torpedo* (Linn.). Electric Ray.
Hab. Mediterranean ; Eastern Atlantic ; Indian
Ocean.
a. Purchased, January 24th, 1927.

- 3 a. *Notopterus kaperat* Lacep. Razor-Finned Fish.
Hab. Fresh-Waters of India.
 a. Purchased, October 3rd, 1927.
- 82 a. *Muraena helena* Linn. Roman Eel.
Hab. Mediterranean ; Atlantic.
 a-b. Purchased, May 5th, 1927.
- 4 a. *Serranus leopardus* Lacep. Leopard Fish.
Hab. Indian and Western Pacific Oceans.
 a. Purchased, August 12th, 1927.
- 4 b. *Epinephelus gigas* Brünn. Marbled Sea Perch.
Hab. Mediterranean ; Atlantic ; South East
 Coast of Africa.
 a Purchased, May 15th, 1927
- 4 c. *Epinephelus ruber* Bloch. Speckled Sea Perch.
Hab. Mediterranean ; Atlantic coasts of Africa
 and South America.
 a-c. Purchased, May 5th, 1927.
- 4 c. *Epinephelus pachycentrum* Cuvier. Brown Sea
 Perch.
Hab. Indian and Western Pacific Oceans.
 a-c. Purchased, September 9th, 1927.
- 9 a. *Mullus barbatus* Linn. Red Mullet.
Hab. European Seas ; Coast of Madeira.
 a. Purchased, October 3rd, 1927.
- 9 b. *Pagrus pagrus* (Linn.). Mediterranean Sea Bream.
Hab. Mediterranean ; Coasts of Madeira and
 Canary Islands.
 a-p. Purchased, October 3rd, 1927.
- 9 c. *Kyphosus saltatrix* (Linn) Rudder Fish.
Hab. Tropical and Semi-Tropical Atlantic.
 a-f. Purchased, October 3rd, 1927.

- 9 f. *Dascyllus trimaculatus* Rüppel. White-spotted Fish.
Hab. From East Coast of Africa to the East Indian Archipelagos.
a. Purchased, June 6th, 1927.
- 9 g. *Pomacentrus chrysurus* Cuv. & Val. Yellow-tailed Demoiselle Fish.
Hab. East Indian Archipelago.
a. Purchased, June 6th, 1927.
- 9 h. *Pomacentrus trimaculatus* Cuv. & Val. Three-spotted Demoiselle Fish.
Hab. Seas of Eastern Asia.
a. Purchased, June 6th, 1927.
- 9 j. *Pomacentrus trilineatus* Cuv. & Val. Changeable Demoiselle Fish.
Hab. Red Sea ; Seas of Southern Asia.
a. Purchased, June 6th, 1927.
- 9 k. *Glyphisodon septemfasciatus* Cuv. & Val. Seven-banded Demoiselle Fish.
Hab. Seas of S.E. Asia.
a. Purchased, June 6th, 1927.
- 9 l. *Glyphisodon sordidus* Forskal. Striped Demoiselle Fish.
Hab. Coasts of S. & E. Africa and Southern Asia.
a. Purchased, June 6th, 1927.
- 9 m. *Glyphisodon bengalensis* Bloch. Banded Demoiselle Fish.
Hab. Seas of S.E. Asia.
a. Purchased, September 10th, 1927.
- 34 a. *Acantholabrus palloni* Cuv. & Val. Emerald Wrasse.
Hab. Coasts of Southern Europe ; Madeira.
a-d. Purchased, October 3rd, 1927.

- 34 b. *Trochocopus scrofa* Cuv. & Val. Pink Wrasse.
Hab. Coasts of Madeira and Canary Islands.
a. Purchased, October 3rd, 1927.
- 34 c. *Teuthis vermiculata* Cuv. & Val. Mottled Sea Perch.
Hab. Coasts of S.E. Asia.
a. Purchased, September 10th, 1927.
- 89 a. *Balistes verrucosus* Linn. Clown Fish.
Hab. Coasts of S.E. Asia.
a. Purchased, June 6th, 1927.
- 89 b. *Cathigaster rostratus* (Bloch). Madeira Puffer Fish.
Hab. Coast of Madeira.
a-b. Purchased, October 3rd, 1927.
- 89 c. *Cathigaster margaritatus* Rüppel. Spouting Puffer Fish.
Hab. Coasts of East Africa and Southern Asia.
a. Purchased, September 10th, 1927.

48. LIST OF DONORS.

- H.M. THE KING. 1 Black Troupial, 1 Crimson-backed Tanager, 4 Brazilian Hangnests, 6 Tovi Parrakeets, 3 Orange-winged Parrots, 6 Yellow-fronted Parrots, 1 White-fronted Capuchin, 1 Brown Spider-Monkey.
- H.R.H. THE DUKE OF YORK, K.G., P.C. 1 Bennett's Wallaby.
- ABBAY, Col. B. 1 Markhoor.
- ABBAY, Mrs. E. M. 1 Urial Wild Sheep.
- ADDICOTT, Mr. C. 1 Tantalus Monkey.

- ALBERTINI, Mrs. Reynolds. 1 White-collared Mangabey.
- AMSLER, Dr. A. M., F.Z.S. 2 Grey Francolins.
- ANDERSON, Mr. A. B. 1 King-Snake.
- ARDLEY, Mr. R. A. 1 Green-billed Toucan.
- ARMITAGE, Capt. Sir Cecil H., K.B.E., C.M.G., D.S.O.,
F.Z.S. 1 Green Monkey, 1 Baboon, 4 Red-footed
Ground-Squirrels, 1 Common Duiker, 1 Gambian
Mongoose, 2 Nigerian Hares, 1 Serval, 1 Blotched
Genet, 1 Rusty-spotted Genet, 3 Ashy Jackals,
1 African Civet-Cat, 1 Marabou Stork, 1 Painted Sand-
Grouse, 2 Barn-Owls, 12 Vinaceous Turtle-Doves,
1 Pintail Duck, 3 West African Ostriches, 2 Triangular-
spotted Pigeons, 2 Half-collared Turtle-Doves, 3 Palm
Doves, 1 Double-spurred Francolin, 1 Vociferous Sea-
Eagle, 1 Nile Crocodile, 2 African Pythons, 1 Nilotic
Crocodile, 6 Exanthematic Monitors, 15 Senegal
Chameleons, 1 Senegalese Terrapin, 1 Bell's Cinixys,
1 Bashful Tree-Frog.
- ARMSTRONG, Mrs. R. S. 2 Yellow-fronted Parrots.
- ARROW, Mrs. 1 Budgerigar.
- ATKINS, Mr. S., F.Z.S. Carp.
- ATKINS, Mrs. 1 European Pond-Tortoise.
- AYLMER, Col. H. L. 1 Jackdaw.
- BABBS, Mrs. E. 1 Rosella Parrakeet.
- BAILEY, Mr. James. 1 Blue-headed Waxbill.
- BALL, Mr. C. 1 Common Jay.
- BALLEN, Mrs. 1 Blue-fronted Parrot.
- BARBOUR, Dr. Thomas, C.M.Z.S. 3 Eyed Skinks, 1 Cuban
Boa, 1 Snapping Turtle, 5 Carolina Box-Tortoises,
3 Garter-Snakes, 5 False Mocassins, 1 Cuban Striped
Boa.
- BARCLAY-HARVEY, Mr. C. M., M.P. 3 Wild Cats.
- BARFORD, Mr. A. J. 1 Burnett's Monkey.
- BARKER, Mrs. A. M. 2 Green Singing-Finches.
- BARKERY, Mr. M. D. 1 Gannet.

- BARNETT, Dr. Burgess, C.M.Z.S. 1 Death-Adder, 2 Coral Snakes, 3 Fitzinger's Snakes, 5 Small-spotted Tree-Snakes, 10 Tuberculated Geckos, 13 Peruvian Geckos, 7 Peruvian Lizards, 7 Thomas's Lizards, 3 Crested Lizards.
- BARNETT, Miss Joan. 1 Death-Adder.
- BARNES, Mr. T. A., F.Z.S., Hawksbill Turtles.
- BARNS, Mr. T. A., F.Z.S., and Mr. T. DE CAMARA. 2 Pluto Monkeys, 2 Guinea-Fowl.
- BAYNES, Mr. R. C. 1 Tui Parrakeet.
- BEDFORD, H.G. The Duke of, K.G., F.R.S., President, 1 Prejevalski's Wild Horse, 1 Yak, 1 Salmon.
- BELL, Mr. G. 1 Common Jay.
- BENNETT, Mr. A. G. 5 Yellow-billed Sheathbills.
- BENNETT, Mrs. J. E. 1 Hamadryas Baboon.
- BERRY, Mrs. J. 1 Levillant's Parrot.
- BERTRAM-JONES, Mr. J. W., F.Z.S. 1 Burmese Peafowl.
- BIRD, Miss F. E. 1 Paradise Whydah-bird.
- BLACKWALL, Miss. 1 Malbrouck Monkey.
- BLYTH, Mr. Arthur, F.Z.S. 1 Grey-headed Love-bird.
- BOMBAY NATURAL HISTORY SOCIETY, The. 1 Long-nosed Tree-Snake, 1 Indian Rat-Snake, 1 Indian Cobra, 1 Sand Boa, 1 Russell's Viper.
- BORMAN, Major F. W., F.Z.S. 2 Egyptian Cobras, 2 Clifford's Snakes, 3 Egyptian Earth-Boas, 1 Lesser Grey-headed Sparrow, 8 Hairy-footed Jerboas, 3 Schneider's Skinks, 1 Arabian Saw-Viper.
- BOVIS, Miss Irene. 1 Crab-eating Opossum.
- BRADBEAR, Mr. W. Mason. 1 Common Marmoset.
- BRAGGINS, Mr. J. J. 1 Tawny Owl.
- BRETT, Capt. E. S. M. 1 Persian Gazelle.
- BRIGGS, Mrs. 1 Squirrel Monkey.
- "BRITANNICA," The Chief Officer of the S.S. 1 Hairy Armadillo.

- BROOKSBANK, Mrs. 2 Common Marmosets.
- BRUNNER, Mrs. C. 1 Blue-crowned Conure.
- BRUNT, Mr. H. D. 1 Maholi Galago.
- BUCKLE, Mrs. N. W. Bentley. 1 Starred Tortoise.
- BUTLER, H. E. Sir Harcourt, G.C.I.E., K.C.S.I., F.Z.S.
4 Burmese Peafowl, 6 Red Jungle-Fowl.
- BUXTON, Dr. P. A., F.Z.S. 4 Field-Voles.
- BYATT, Miss Nona C. 2 Trinidad Motmots.
- CAMBRIDGE, MASS., *see* Museum of Comparative Zoology.
- CAMERON, Master. 1 European Pond Tortoise.
- CAPITO, Mr. C. E., O.B.E., F.Z.S. 2 Spotted Eagles,
3 Hutton's Owlets, 2 Great Eagle-Owls, 1 Raven,
7 South Persian Chukar Partridges, 3 Grey-throated
See-See Partridges.
- CAVE, Mr. A. J., F.Z.S. 1 Alexandrine Parrakeet.
- CHAMPNEYS, Miss Adelaide. 1 Palm-Squirrel.
- CHAPLIN, The Hon. Anthony, F.Z.S. 1 Leopardine Snake.
- CHAPMAN, Mr. G. Bruce, F.Z.S., 1 Virginian Cardinal,
1 American Catbird, 1 Nonpareil Bunting, 2 Rainbow
Buntings, 1 Mexican Thrush-Robin, 2 Masked Love-
birds, 1 Abyssinian Love-bird. 2 Fischer's Love-birds,
1 Red-breasted Parrot.
- CHICHESTER, Mr. J. 2 Shaw's Gerbilles.
- CHICHESTER, Miss R. C. 2 Common Peafowl (white var.).
- CHILCOTT, Mr. O. C. 1 Bare-eyed Cockatoo.
- CLARK, Mrs. 1 Brown Capuchin.
- CLAYTON, Mr. D. 3 Buff-striped Keelbacks.
- COCHRAN, Miss Doris. 1 Californian Toad.
- COCHRANE, Mrs., F.Z.S. 1 Dwarf Finch, 4 St. Helena Wax-
bills, 2 Crimson-eared Waxbills, 1 Golden-breasted
Waxbill, 1 Zebra-Finch. 1 Blue-breasted Waxbill.
- COCHRANE, Mrs. 1 Blossom-headed Parrakeet.
- COCHRANE-YOUNG, Mrs. 2 Avadavats.

- COLLIER, Miss Rose. 1 Alexandrine Parrakeet.
- COOMBS, Mrs., Senr. 2 Pigmy Marmosets.
- COOPER, Mr. G. W. 1 Black Lemur.
- COTTON, Mrs. R. W. 2 Red-billed Toucans.
- COTTON, Mr. W. B., I.C.S., F.Z.S. 2 Collared Hedgehogs.
- COZENS, Mr. W. E. 1 Blue-fronted Parrot.
- CROFTON, Mrs. 1 Dwarf Chameleon.
- DALGETY, Mr. C. T. 1 Ivory Gull.
- DAVIDSON, Mr. Godfrey. 1 Pileated Jay.
- DE CAMARA, Mr. Thomaz. *See* Barns, Mr. T. A.
- DE GIERS, Miss Zona M. 1 Jardine's Parrot.
- DENNY, Mrs. 1 Ring-necked Parrakeet.
- DENNY, Miss. 1 Tawny Owl.
- DENORMA Mrs. 1 Common Marmoset.
- DE ROTHSCHILD, Mrs. Leopold, F.Z.S. 1 Rose-crested
Cockatoo, 2 Blue-and-Yellow Macaws.
- DERRY, Miss. 1 Common Peafowl.
- DESHAYES, Mr. Senegal. 1 Reedbuck, 1 Half-collared
Turtle-Dove, 2 Bronze-spotted Turtle-Doves, 1 Egyp-
tian Kite.
- DE VON & Co., Messrs. 5 Lapwings, 1 Black-backed Gull.
- DOBBIN, Mr. J. C. 1 Bonnet Monkey.
- DORE, Mr. E. O. 1 Little Owl.
- DYER, Sir John. 2 Red-headed Cardinals.
- EDGE BROS., Messrs. 1 Boa.
- EDWARDS, Mr. S. L. 1 Brown Capuchin.
- EUSTACE, Mr. H. C. 1 Ruby-throated Warbler, 1 Blue-
throated Warbler, 2 Chinese Crow-Tits, 1 Derbyan
Parrakeet.
- EYRE, Miss M. 4 Orange Weaver-birds, 1 Crossbill, 2 Red-
headed Buntings.

- EZRA, Mr. Alfred, O.B.E., F.Z.S. 2 Burmese Elephants, 2 Emus, 1 Rufous-winged Starling, 1 Lanceolated Jay, 2 Sonnerat's Jungle-Fowl, 1 Black-headed Butcher-Crow, 1 Greater Bird-of-Paradise, 1 Insular Lory, 1 Mugger, 4 Indian Cobras, 1 Long-snouted Snake, 2 Changeable Lizards, 1 Forster's Tree-Snake, 1 Painted Tree-Snake, 4 Ornamented Tree-Snakes, 2 Long-nosed Tree-Snakes, 51 Mud-Snakes, 17 Indian Rat-Snakes, 13 Indian River-Snakes, 3 Indian Grass-Snakes, 4 Banded Kraits, 1 Hamadryad, 3 Russell's Vipers, 21 Tuctoos, 36 Tigrine Frogs, 8 Indian Eryx, 10 Conical Eryx, 1 Bengal Monitor, 1 Porose Crocodile.
- FALKLAND ISLANDS, Government of the. 4 Rock-hopper Penguins, 4 Gentoo Penguins, 8 King Penguins.
- FARRELL, Mr. G. H. 1 African Civet-Cat.
- FISHER, Mr. W. Singleton. 1 Brown-necked Parrot.
- FOEHL, Mr. A., Junr. 3 Prairie Rattlesnakes, 2 Brush Swifts, 1 Stansbury's Brush Swift, 1 Timber Rattlesnake, 1 Pigmy Rattlesnake, 1 Red Rattlesnake, 1 Black Snake, 1 Bull Snake.
- FORBES, Mrs. Ailsa. 1 Black Rat.
- FORSTER, Mr. Denis J. V. 1 Humboldt's Woolly Monkey.
- FORSYTHE, Mr. J. 1 Quaker Parrakeet, 1 Guiana Parrotlet.
- FREELAND, Mrs., F.Z.S. 1 Blue-and-Yellow Macaw.
- FROST, Mr. W. J. C. 2 Ornate Lorrikeets, 2 Papuan Flying-Phalangers.
- GADD, Mrs. 1 Red Tiger-Cat.
- GALLOWAY, Mr. H. Stanhope. 1 Razor-billed Curassow, 2 Squirrel Monkeys.
- GARDNER, Mrs. A. 1 Blue-fronted Parrot, 1 Slender-billed Cockatoo.
- GATES, Mrs. 1 Alexandrine Parrakeet.
- GEORGE, Capt. 1 Greenland Falcon.
- GERRARD & SONS, Messrs. Edward. 1 Bull Frog.
- GIL, Dr. Julian. 2 Shamas.

- GILBERT, Mrs. 1 Cut-throat Finch, 2 Crimson-eared Waxbills, 1 Common Fire-Finch, 1 Bronze-winged Mannikin, 2 Green Singing-Finches, 1 Indian Silverbill, 2 Avadavats.
- GLADSTONE, Mr. Hugh S., M.A., F.R.S.E., F.Z.S. 3 Common Pheasants (dark var.).
- GOODFELLOW, Mr. Walter, F.Z.S. 2 Black-capped Fruit-Pigeons, 1 Robber Crab.
- GRAVES, Mr. A. 1 Red-crested Touracou.
- GREEN, Mrs. Charles. 1 Grey Mongoose.
- GREGORY, Miss G. 1 Common Marmoset.
- GRIMES, Miss A. M. 1 Algerian Tortoise.
- GROVE, Mr. 2 Grand Galagos.
- GUILLEMARD, Lady. 2 King Birds-of-Paradise.
- GUIMARAES, Mr. F. S. 1 Pekin Robin.
- GUINNESS, Lady E. 1 Common Squirrel.
- GUNNING, Mrs. 1 Green Monkey.
- GURNEY, Mr. G. H., F.Z.S. 2 White-winged Doves.
- HAIG, Mr. L. G. 1 Spinose Lizard.
- HAKEWILL, The Rev. I. Ridgway. 1 Hybrid Thrush X Blackbird.
- HALES, Mr. L. W. 1 Cuckoo.
- HALL, Mr. S. W. 3 Dwarf Chameleons.
- HAMPSON, Mrs. 1 Shama.
- HANBURY-BARCROFT, Mr. John. 1 Common Macaque.
- HARDCASTLE, Col. H. M. 1 Rhodesian Tree-Frog.
- HARPER, Mr. E. W., F.Z.S. 1 Pagoda Owl.
- HARRISON, Mrs. 1 St. Helena Waxbill, 1 Orange-cheeked Waxbill, 1 Common Waxbill, 2 Lavender-Finches.
- HARRISON, Miss Barbara. 1 Common Macaque.
- HASERICK, Mr. A. A., F.Z.S. 1 Chimpanzee.

- HASTINGS, Sir Patrick, K.C., M.P. 1 Malbrouck Monkey.
- HAWKINS, Mrs. H. 1 Ring-necked Parrakeet.
- HEAD, Mrs. 2 White-cheeked Finch-Larks, 1 Green Singing-Finch.
- HELLER, Mr. Edmund. 1 Anubis Baboon.
- HERKLOTS, Mrs. 1 Algerian Tortoise.
- HEWNS, Miss Nancy. 1 Green Lizard.
- HIGSON, Capt. W. 3 Scottish Wild Cats.
- HOLLAND, Mrs. Cedric. 1 Kinkajou.
- HOMFRAY, Mr. K. O. 1 Black Kite.
- HOPKINS, Dr. A. H. 6 Dwarf Chameleons.
- HOPKINSON, Dr. E., C.M.G., D.S.O., F.Z.S. 1 Sahara Bunting.
- HOWARD, H.E. The Right Hon. Sir Esme, G.C.M.G., P.C. 2 Red-crested Cardinals.
- HUGHES, Mr. R. Murray. 1 Pluto Monkey, 1 Schmidt's Monkey.
- HUGHES-CHAMBERLAIN, Mr. G. 1 Leopard.
- HUNTER, Capt. K. S. 2 Badgers.
- HUTCHISON, Master Donald G. 1 Grey Mongoose.
- HYATT, Mr. Malcolm P., F.Z.S. 1 Timneh Parrot.
- ILORIN, The Emir of. 2 Black-necked Crowned Cranes.
- IRVINE, Mr. F. R. 1 Great-billed Touracou.
- JACKSON, Mr. A. 1 Ring-necked Parrakeet.
- JACKSON, Capt. J. C. 1 Arctic Hare.
- JACKSON, Mr. W. 1 Squirrel Monkey.
- JARMAN, Mr. Reginald. 1 Blue-and-Yellow Macaw.
- JAU, Mr. F. W. 1 Orange-flanked Parrakeet.
- JOEKES, Dr. Theodore, F.Z.S. 3 Cayenne Lapwings.
- JOEL, Mr. S. B., F.Z.S. 2 Common Badgers.
- JOHNSON, Mr. H. M. 1 Green Monkey.

- JOHNSTON, Capt. E. D. H., M.C., R.E. 1 Abyssinian
Monkey.
- JONES, Mr. David, J.P. 1 African Wart-Hog.
- KANE, Capt. C. J., R.E. 2 Red-rumped Parrakeets.
- KEELAN, Col. H. P., D.S.O. 1 Red-breasted Parrot.
- KEITH, Sir Arthur, M.D., F.R.S., F.Z.S. 1 House Gecko.
- KEMP, Dr. Stanley W., Sc.D., C.M.Z.S. 4 Steamer-
Ducks.
- KEPPEL-COMPTON, Mr. F. H. 1 Banded Mongoose.
- KERBEY, Miss Phyllis. 1 Kinkajou.
- KILLICK, Mr. 1 Gannet.
- KIMBALL, Mr. Lawrence. 1 Grey Mongoose.
- KINGAN, Mr. J. M. 1 Sumichrast's Night-Mouse.
- KING-CHURCH, Miss Naomi M. 2 Rusty-spotted Genets.
- KINGSTON, Mr. Neville. 1 Common Scoter.
- KINNA, Mrs. Gendolin. 1 Corn-Crake.
- KINTORE, The Countess of, F.Z.S. 1 Common Quail.
- KOECHER, Mrs. Edgar. 2 Budgerigars.
- KROYER-KIELBERG, Mrs. 1 Triton Cockatoo, 1 Rose-
crested Cockatoo.
- LAILEY, Mr. A. E. 1 Rhesus Monkey.
- LAMPSON, Mrs. O. Locker. 1 Kinkajou.
- LANE, Mr. H. A. 1 Grey Parrot.
- LANGRISHE, Mr. H. H. 1 Greater Sulphur-crested Cockatoo.
- LANTZ, Mr. L. A. 1 Spiny-tailed Mastigure.
- LEACH, Mrs. 2 Grey Mongooses.
- LEITH, Miss N. C. 1 Dwarf Chameleon.
- LESLIE, Mr. David. 1 Moustache Monkey.
- LEVY, The Hon. Mrs. 1 Common Fox.

LEWIS, Mr. J. SPEDAN, F.Z.S. 2 African Jacanas, 2 Melba Finches, 4 White-winged Lapwings, 1 Red-headed Squirrel, 2 Kaffir Rails, 1 Black-collared Barbet, 1 Black-winged Stilt, 2 Jameson's Firefinches, 3 Tufted Umbres, 2 Maholi Galagos, 2 Heuglin's Robin-Chats, 2 Peters' Spotted Firefinches, 1 Long-tailed Roller, 1 Cinnamon Roller, 1 Pesquet's Parrot, 1 Rat-tailed Opossum, 1 Red-fronted Lory, 3 Thick-billed Weavers, 1 Nile Monitor, and a collection of 17 Humming Birds of various species.

LOCK, Mrs. Gladys. 1 Patas Monkey.

LOVERIDGE, Mr. Arthur, C.M.Z.S. 1 Sail-backed Chameleon, 6 Werner's Chameleons, 7 Vosseler's Chameleons, 44 Tuberculated Chameleons, 4 Banded Tree-Frogs, 9 Loveridge's Prickly Frogs, 1 Horrid Rattlesnake, 32 Painted Terrapins, 1 Speckled Terrapin, 1 Stink-pot Mud-Terrapin.

MACDONALD, Dr. N. J. 1 Grey Mongoose.

MACGREGOR, Mr. K. M. 1 Grieved Tortoise.

MACLEOD, Capt. E. F. 1 Indian Chameleon.

MACMILLAN, Miss Moira. 1 Slow Loris.

MAHY, Miss Z., F.Z.S. 2 Two-banded Chameleons, 2 Jackson's Horned Chameleons.

MANNING, Mrs. R. 1 Festive Amazon.

MANNING, Mr. W. 1 Roseate Cockatoo.

MARSTON, Mrs. C. E. 2 Zebra Finches, 2 Orange-cheeked Waxbills, 1 Common Waxbill, 1 Crimson-eared Waxbill, 1 Bronze-winged Mannikin, 1 Black-headed Mannikin, 2 Avadavats, 1 Grey Singing-Finch, 1 Green Singing-Finch, 1 Shining Weaverbird, 1 African Silverbill, 1 Common Fire-Finch, 1 Redpoll.

MASON, Mrs. 1 Brown Lemur.

MATEER, Capt. A. 1 Crowned Duiker.

MAYER, Mr. F. Shaw. 3 Javan Swine.

MENKE, Mr. C. W., F.Z.S. 2 Gold Pheasants.

- MEYERSTEIN, Mr. E. W., F.Z.S. 1 Burnett's Monkey.
- MIDDERIGH, Mr. John C. 1 Sooty Mangabey.
- MILES, Mrs. Napier. 1 Slender-billed Cockatoo.
- MILLER, Mrs. 2 Common Marmosets.
- "MINNEWASKA," The Officers of the S.S. 1 Richardson's Owl, 1 Saw-whet Owl.
- MONKS, Dr. A. B. 1 Crowned Duiker, 1 Yellow Baboon, 2 African Brush-tailed Porcupines, 1 Senegal Touracou, 1 Sooty Mangabey, 1 Lesser White-nosed Monkey.
- MORGAN, Mrs. H. R. Cope. 5 Senegal Chameleons, 2 Common Marmosets.
- MOSELEY, Miss. 2 Green Lizards, 1 Three-toed Sand-Skink, 1 Common Chameleon.
- MOUGNE, Master C. 1 Slowworm.
- MUKALOFF, Capt. H. 1 Brown Bear.
- MUSEUM OF COMPARATIVE ZOOLOGY, Cambridge, Mass., The. 1 Giant Rat.
- NAPIER, Dr. L. Everard. 3 Sand Hamsters.
- NAPOLITANO, Mrs. A. M. 1 Crowned Hawk-Eagle.
- NEWMAN, Miss Betty. 1 Common Marmoset.
- NEWMARK, Messrs. J. H. & J. R. 1 Bronze-winged Mannikin.
- NEW ZEALAND, The Government of. 1 Tuatera Lizard.
- NOBLE, Sir George, Bt., F.Z.S. 1 Spotted Mongoose.
- OLLIER, Mr. L. J. 2 Brown-shouldered Hangnests.
- O'MALLEY, Miss Jane. 1 Sand Hamster.
- OUTHWAITE, Mrs. Leonard. 1 Ocelot.
- PAGE, Mrs. 1 Green Monkey.
- PANTIN, Mrs. H. 1 Alexandrine Parrakeet.
- PAPIER, Mr. M. 1 Rhesus Monkey.
- PARDROE, Mr. H. 1 Schlegel's Pit Viper.
- PARKER, Prof. G. H. 3 Bull-Frogs.
- PARRY, Mrs. W. 1 Kestrel.

- PATIALA, H.H. The Maharaja of, G.C.I.E., G.C.S.I., G.B.E.,
F.Z.S. 1 Indian Elephant.
- PAYNTER, Miss. 1 Ceylon Mynah.
- PEBERDY, Capt. C. E. V. K. 1 African Civet-Cat.
- PERTH, The Earl of. 2 Black-necked Swans.
- PHILIPS, Mr. E. W. 1 Common Badger.
- PHILLIPS, Dr. J. G. Porter, M.D., F.R.C.P., F.Z.S. 1
Tawny Owl.
- POMEROY, Mr. A. W. J. 6 Green Singing-Finches, 1
Violaceous Plantain-eater, 1 Red-footed Ground
Squirrel, 1 Crowned Duiker, 1 Bay Duiker, 1 Rusty-
spotted Genet, 1 Two-spotted Palm Civet, 1 Puff-
Adder, 1 Yellow Baboon.
- POPKISS, Mr. Lionel V. 1 Bittern.
- PORCELLI, Mr. E. G. M. 3 Puffins.
- PORTER, Mr. Sydney, F.Z.S. 1 Long-tailed Roller,
1 Horned Guinea-Fowl, 1 Golden-fronted Fruit-
Sucker, 2 Green-billed Toucans, 2 Indian White-eyes,
1 Nutmeg-Finch, 2 Bronze winged Mannikins,
2 Lavender Finches, 1 Golden-breasted Waxbill,
1 Fire-Finch, 1 Common Waxbill, 2 White-cheeked
Finch-Larks, 1 Angolan Singing-Finch, 1 Striated Jay-
Thrush, 1 Abyssinian Barbet, 1 Scarlet Tanager,
1 Superb Glossy Starling, 1 Blue-throated Warbler,
1 Green Singing-Finch, 1 Nonpareil Bunting, 2 Black-
faced Weavers, 1 Blue-bearded Jay, 1 Red-beaked
Weaver, 1 Dusky Francolin, 1 Hildebrandt's
Francolin.
- POWELL, Mr. H. 1 Ladder Snake.
- PRANGNELL, Mr. John Pain. 1 Curlew.
- PRICE, Dr. E. Newton. 2 Spotted Salamanders.
- PRICE, Mr. F. D. 1 Roseate Cockatoo.
- RADFORD, Miss D. 1 Sykes's Monkey.
- RAWNSLEY, Mrs. 2 Great Eagle-Owls.
- RECKITT, Miss Juliet E., F.Z.S. 1 Jackdaw.

- REYNOLDS, Dr. C. E. 3 Red Rattlesnakes.
- RIGGS, Mrs. F. 2 Tawny Owls.
- RODGERS, Mrs. 1 Roseate Cockatoo.
- ROGERS, Miss C. 2 African Silverbills.
- ROTTON, Mr. John R. C. 1 Common Marmoset.
- RUSSELL, Mr. Claud. 4 Grey-headed Love-birds.
- RUSSELL, Mr. H. 1 Algerian Tortoise.
- RUTHERFOILL, Mrs. 1 Common Marmoset.
- RYLEY, Mr. John. 1 Kite.
- ST. GEORGE, Mrs. 1 Kinkajou.
- SANDEMAN, The Hon. Mrs. 1 Brazza's Monkey.
- SANDERSON, Mr. J. R. 1 Great-billed Touracou.
- SANDYS, Major G. O. 2 Merlins.
- SARAWAK, The Rajah of, F.Z.S. 1 Hamadryas Baboon.
- SCOTT, Capt. Hamilton. 1 Fieldfare.
- SEVASTOPULO, Mrs. G. D., F.Z.S. 1 Scarlet Tanager,
1 Black Tanager.
- SEWARD, Miss. 2 Algerian Tortoises.
- SHANNON, Lady. 1 Greater Sulphur-crested Cockatoo.
- SHERRIFF, Mr. A., F.Z.S. 1 Jungle-Babbler.
- SKEAPING, Mr. J. 1 Festive Parrot.
- SLIGO, The Marquess of, F.Z.S. Harlequin Fish.
- SMITH, Mr. A. St. Alban, F.Z.S. 1 Malayan Palm-Civet,
2 Prevost's Squirrels, 3 Two-banded Monitors, 1 Rusty
Tiger Cat, 1 Slow Loris.
- SMITH, Master Lancaster. 1 Common Chameleon.
- SMITH, Mrs. R. Whitney. 1 Common Chameleon.
- SMITH, Mrs. W. Buchanan. 1 Elegant Opossum.
- SOALL, Mrs. 1 Sooty Mangabey.
- SOPER, Miss L. M. 1 Yellow-naped Parrakeet.
- SOUTHWORTH, Master John. 1 Rhesus Monkey.
- SPICER, Mrs. R. 1 Common Marmoset.
- STEEL, Mr. J. Bruce. 1 Ring-tailed Lemur.

- STEPHENS, Dr. J. R. C., C.M.Z.S. 1 Senegal Galago.
- STOCKDALE, MRS. 1 Budgerigar.
- STOKES, Capt. H. S., F.Z.S. 1 Blue-crowned Hanging Parrakeet, 1 Red-breasted Crake, 1 Bengal Red-capped Babbler, 1 Three-coloured Tanager.
- STUBBINGS, Mrs. 3 Tui Parrakeets.
- SUTCLIFFE, Mr. Albert, F.Z.S. 1 Brown Capuchin, 1 Shag.
- SUTHERLAND, H. G. The Duke of, F.Z.S. 1 Persian Gazelle.
- SWEET, Mrs. 1 Ring-necked Parrakeet, 1 Alexandrine Parrakeet.
- TANNER, Mr. J. E. 1 Yellow-naped Parrakeet.
- TAPLIN, Mrs. 2 Orange Weaver-birds.
- TAYLOR, Mrs. B. 1 Tiger (cub).
- TAYLOR, Mr. Rupert. 1 Rhesus Monkey.
- THOMAS, Mr. E. 1 Common Polecat.
- TITLEY, Mr. W. 1 Common Pheasant (dark var.).
- TROTT, Mrs. 1 Algerian Tortoise.
- UPSTONE, Mr. G. C. 2 Bay Duikers.
- VENABLES, Mr. G. L. 1 Blue-and-Yellow Macaw.
- VEVERS, Dr. G. M., F.Z.S. 5 Moorish Geckos.
- VIVIAN, Admiral A. Walker-Heneage, C.B., M.V.O., F.Z.S. Golden Orfe.
- WAIT, Miss L. M. St. A., F.Z.S. 1 Green Singing-Finch.
- WALLER, Mr. R. H. 1 European Pond-Tortoise.
- WARD, Mr. H. J. 1 Pennant's Parrakeet.
- WARDELL, Mrs. 1 Red-fronted Lemur.
- WARNER, Sir Frank, K.B.E. 3 Carrion-Crows.
- WARREN, Mrs. 1 Common Waxbill.
- WAUD, Capt. R., F.Z.S. 1 Brown Mynah, 1 Yellow-wattled Peewit.
- WELLINGTON, H.G. The Duke of, K.G. 1 Californian Quail, 3 Pekin Robins, 2 Green Glossy Starlings, 1 Orange-winged Weaver-bird, 1 Madagascar Weaver-bird, 1 Barred Dove, 2 Passerine Parrotlets.

- WELLS, Mr. N. 2 Budgerigars.
- WESTMINSTER, H.G. The Duke of, G.C.V.O., D.S.O., F.Z.S.
1 Scottish Wild Cat.
- WHITE, Mrs. 1 Humboldt's Woolly Monkey.
- WHITLEY, Mr. H. 2 Indian Crows.
- WIGAN, Mr. Ernest E. 1 Kinkajou.
- WILLIAMS, Mr. 1 Leopardine Snake.
- WILLIAMS, Mr. J. E. G. 1 White-banded Squirrel.
- WILLIAMS, Mrs. M. 1 Roseate Cockatoo.
- WILSON, Mr. Charles. 1 Common Chameleon.
- WILSON, Mr. W. 5 Common Peafowl, 1 Hybrid Gold and
Amherst Pheasant.
- WINTER, Lady Edith. 2 Maja Finches, 2 Common Wax-
bills, 2 Avadavats, 1 Green Singing-Finch.
- WITHERBY, Mrs. H. F. 2 Spotted Salamanders.
- WITT, Mr. D. O., I.F.S. 1 Tiger.
- WOOD, Master Basil. 2 Yellow-winged Parrakeets.
- WOODHOUSE, Mrs. Gordon, F.Z.S. 2 Martin's Monkeys.
- WOODWARD, Mr. Stanley F. 1 Pardine Genet, 13 Square-
marked Toads, 11 Spinose Lizards.
- WYKES, Miss D. M. 1 Vervet Monkey.
- YEATMAN-BIGGS, Miss Elizabeth. 1 Algerian Tortoise.
- YOUNG, Dr. W. A. 2 Nilotic Crocodiles.
- ZWARENSTEYN, Miss R. 1 Budgerigar.

52. STATE OF THE FINANCES.—The Report of the Auditors of the Accounts for 1927 is issued to Fellows, bound with this Report.

53. ASSETS 1926 AND 1927.—At the end of the year the total Assets of the Society amounted to £144,137 9s. 7d., a decrease of £13,662 1s. 2d. on the corresponding figure for 1926. But, as stated in Paragraph 36 of last year's Report, the assets at the end of 1926 included the sum of

£34,792 13s. 10d. ear-marked for the New Reptile House and other special Works. That sum with accrued interest, amounting to £36,011 5s. 1d., was actually expended and appears in the accounts as a deduction from the cost of the Special Works. The net assets of the Society at the end of 1926 amounted to £123,006 16s. 11d., so that the corresponding figures at the end of 1927 show an increase of £21,130 12s. 8d. It will be noticed that the cost of the purchase of the Whipsnade Estate has been treated for the present as an investment of part of the Life Composition Fund.

54. PENSION FUND.—As explained in the Report for 1926 (paragraph 51), a Pension Fund was instituted last year. It has increased in 1927 by £90, the amounts of the composition fees of two compounders who had died in the course of the year.

55. LIABILITIES 1926 and 1927.—The liabilities amounted to £14,427 1s. 7d., a decrease of £33,736 7s. 1d. on the corresponding figures for 1926, due chiefly to the employment of the Special Works Reserve.

56. BALANCE 1926 AND 1927.—The balance, a surplus of assets over liabilities, amounted to £129,710 8s. 0d., an increase of £20,074 5s. 11d. on the corresponding figure for 1926, representing the difference between the decrease in assets (paragraph 50) and decrease in liabilities (paragraph 52).

57. INCOME 1926 AND 1927.—There was again a net increase in income of £11,092 18s. 5d. due largely to gate-money.

58. EXPENDITURE 1926 and 1927.—Apart from the use of the Special Works Fund, there was a decrease of £5,766 5s. 3d. in expenditure.

59. WHIPSNADE.—This new head of expenditure appears in the Accounts for the first time. The cost of purchase appears in the Balance Sheet, under Assets, as an

investment of part of the Life Composition Fund. Under Expenditure there is the sum of £368 7s. 4d. for upkeep, and of £1,967 8s. 3d. for additions and improvements, less the amount of a donation of £10 from Mr. H. Hewitt. It is to be noted that when the development of the Estate into a Zoological Park is begun on a serious scale, it will be possible to write off a portion of the cost in the Balance Sheet, as, unlike improvements in Regent's Park, which is not a freehold property, improvements at Whipsnade will add to the value of the Society's assets.

60. LEGACIES AND DONATIONS.—In 1927 the Society received a legacy of £150 from the estate of the late Miss M. Ironside-Jackson. This was expended on the purchase of garden seats and the amount was written off the cost of these. A donation of £10 from Mr. H. Hewitt, F.Z.S., was written off the cost of improvements at Whipsnade, and one of £100 from Miss J. E. Reckitt, F.Z.S., was written off "Menagerie Expenses," as it was expended on fittings for the New Monkey House, and comforts for the Keepers' Rooms, in compliance with the wishes of the donor.

61. The Council wishes to acknowledge the assistance received during the past year from the members of the Committee of Publication, upon whom devolved, in accordance with the Bye-laws, the arrangement and supervision of the Society's Scientific Publications.

62. The Council has finally to ask you to thank those Fellows of the Society who have audited the Accounts for the past year.

Signed (for the Council),

P. CHALMERS MITCHELL,

Secretary, Zoological Society, London.

Zoological Society,

Regent's Park,

London, N.W.8.

March 21st, 1928.

REPORT OF THE COMMITTEE OF AUDITORS OF THE ACCOUNTS

OF THE

ZOOLOGICAL SOCIETY

OF LONDON,

APPOINTED 18th JANUARY, 1928.

To

23rd February, 1928.

The Zoological Society of London,
Regent's Park, N.W.8.

In accordance with Chapter X of the By-laws, we have examined the Accounts of the Society for the year ended 31st December, 1927, as presented to us by Messrs. W. B. Keen & Co., the Chartered Accountants appointed to assist us in our duties. We report to the Society that at that date the Total Assets amounted to £144,137 9s. 7d., and the Liabilities to £14,427 1s. 7d. The General State of the Funds of the Society therefore showed a surplus of Assets over Liabilities amounting to £129,710 8s. 0d., subject to the estimated values of some of the Assets. The Cash in the Bankers' hands and at the Office amounted to £12,158 3s. 9d.

For the further information of the Fellows of the Society a Balance Sheet and Income and Expenditure Account for the year are annexed hereto. These have been audited and are certified by Messrs. W. B. Keen & Co. The result of the working of the Refreshment Department for the 52 weeks to 1st October, 1927, is incorporated in the Statements, the Accounts of that Department having been separately audited and certified by Messrs. Edward Moore & Sons, Chartered Accountants. We have examined the Statements of Account and in our opinion the Balance Sheet is properly drawn up so as to exhibit a true and correct view of the state of the Funds of the Society (subject to the estimated values of some of the Assets) according to the best of our information and the explanations given to us and as shewn by the Books of the Society.

(Signed) J. E. SAUNDERS (*Chairman*).

F. J. AYRE.

E. HOWARD COLLINS.

STANLEY EDWARDS.

S. R. F. FREED.

Corresponding
figures
31st Dec., 1926.

LIABILITIES.

£	s.	d.		£	s.	d.	£	s.	d.
8,206	2	3	To Sundry Creditors for Rates, Taxes, Printing, &c.				9,699	13	4
791	3	10	„ Subscriptions &c., received in advance				707	12	2
1,500	0	0	„ Aquarium Tickets sold and unused—Estimated				900	0	0
			„ Reserve for Special Works to be carried out in 1927—Balance at 1st January, 1927	34,792	13	10			
			<i>Add</i> Interest received from Investments during year				1,218	11	3
							36,011	5	1
34,792	13	10	<i>Deduct</i> Amount transferred to Expenditure on Special Works during year	36,011	5	1	—	—	—
			„ Reserve for Cost of “Zoological Record” being special donations towards Vols. 59 and onwards —Balance at 1st January, 1927				955	4	6
			<i>Add</i> Donations received during year				244	4	10
							1,199	9	4
			<i>Deduct</i> Amount transferred to Income and Expenditure Account during year towards cost of Vol. 63				87	17	6
955	4	6	„ Pensions Fund— Amount set aside from Composition Funds— Balance at 1st January, 1927	1,918	4	3			
			<i>Add</i> —Further transfer to 31st December, 1927, of Fees of deceased Compounders				90	0	0
1,918	4	3					2,008	4	3
48,163	8	8	„ Balance, being Excess of Assets over Liabilities:—						
			Composition Funds—						
			Balance at 1st January, 1927	£14,745	0	0			
			<i>Add</i> 24 Fees @ £45 re- ceived during year				1,080	0	0
							15,825	0	0
			<i>Less</i> Transferred to Pensions Fund				90	0	0
							15,735	0	0
14,745	0	0	Animals Purchase and Insurance Fund—						
			Balance at 1st January, 1927	£1,999	16	7			
			<i>Add</i> —Contributions during year				950	0	0
			„ Interest received from Investments				82	13	4
1,999	16	7					3,032	9	11
£64,908	5	3	Carried forward	£18,767	9	11	£14,427	1	7

Corresponding
figures
31st Dec., 1926.

ASSETS.

Corresponding figures 31st Dec., 1926.			ASSETS.			£ s. d.			£ s. d.		
£	s.	d.				£	s.	d.	£	s.	d.
			By Freehold Property—Whipsnade Estate—								
			Cost of Land and Buildings, including Redemption of Land Tax and Tithes ...		13,480 12 10						
			(see Investment of Composition Funds, below)								
			„ Fittings and Furniture in Buildings and Enclosures at the Gardens, Regent's Park (not valued) ...								
			„ Animals belonging to the Society—								
			As at 1st January, 1927 ...		33,644 0 0						
			Add Net Increase at 31st December, 1927 ...		1,092 0 0						
33,644	0	0							34,736	0	0*
2,122	2	11	„ Plant and Fittings in Refreshment Department						2,122	2	11*
28,480	15	0	„ Books in Library ...						28,480	15	0*
500	0	0	„ Unsold Publications ...						500	0	0*
500	0	0	„ Stock of "Zoological Records" ...						500	0	0*
208	3	5	„ „ „ Electrical Stores (at cost) ...						381	10	1
946	7	7	„ „ „ Official Guides and P.P. Cards (at cost)						400	0	0
			„ „ „ Photographic Films, &c. ...						11	16	0
			„ Debts due to the Society (since received or considered good)—								
			Arrears of Fellowship Subscriptions, £375, estimated to realise ...		75 0 0						
100	0	0	Arrears of Fellowship Admission Fees, £360, estimated to realise ...		300 0 0						
300	0	0	Arrears of Subscriptions to "Zoological Record" ...		220 4 6						
46	5	0	"Zoological Record" Sales ...		254 18 6						
262	3	10	Publication Sales ...		250 0 0						
229	1	0	Garden Sales ...		228 3 0						
411	3	6	Cinematograph Royalties ...		6 3 4						
45	5	8	Rent of Whipsnade Hall Farm ...		74 12 0						
			Miscellaneous ...		103 17 4						
121	15	2							1,512	18	8
499	6	4	„ Rates and Insurance paid in advance ...						531	13	1
111	8	10	„ Compilation Fees, etc., paid in respect of "Zoological Record" Vol. 64 not yet published ...						120	8	0
1,918	4	3	„ Investment of Pensions Fund, at Cost— £2,565 9s. 4d. 3½ per cent. Conversion Stock ...						1,918	4	3
			„ Investment of Composition Funds, at Cost—								
			Whipsnade Estate (Purchase Price) ...		13,480 12 10						
			£254 14s. 9d. London County 3½ per cent. Stock ...		254 0 10						
			£2,650 8s. 4d. 3½ per cent. Conversion Stock ...		1,865 6 4						
14,565	0	0							15,600	0	0
£85,011	2	6							£86,815	8	0

Carried forward ...

£86,815 8 0

* As per Valuations by Society's Officials.

Corresponding
figures,
31st Dec., 1926.

LIABILITIES.

£	s.	d.		£	s.	d.	£	s.	d.
64,908	5	3							
			Brought forward	18,767	9	11	14,427	1	7
To Balance, being Excess of Assets over Liabilities—continued.									
Aquarium Reserve Fund—									
			Balance at 1st January, 1927	3,270	0	0			
			Add Contribution during year	1,000	0	0			
			„ Receipts per sale of Ivory Tickets during year...	80	0	0			
				4,350	0	0			
			Deduct—Expenditure on Cost of New Boiler ...	600	0	0			
3,270	0	0					3,750	0	0
Depreciation of Investments Reserve Fund—									
			Balance at 1st January, 1927	2,935	19	5			
			Less—Net Loss on Realisation of Investments during year ...	912	13	7			
*2,935	19	5					*2,023	5	10
Refreshment Dept.—Plant and Renewals Fund—									
			Balance at 1st January, 1927	4,205	7	4			
			Add Further Transfer from Profit for 52 weeks to 1st Oct., 1927, to be paid over	300	0	0			
			Amount retained for work- ing capital	300	0	0			
4,505	7	4					4,805	7	4
Centenary Celebration Fund—									
			Balance at 1st January, 1927	£662	1	0			
			Add—						
			Contribution during year	200	0	0			
			Dividends on Investment	33	2	6			
662	1	0					895	3	6
General Purposes—									
			Balance at 1st January, 1927	81,517	17	9			
			Add—						
			Increase in value of Animals in Men- agerie and Aquarium	1,092	0	0			
			Excess of Income over Expenditure during year	16,859	3	8			
81,517	17	9					99,469	1	5
							129,710	8	0
<hr/>									
£157,799	10	9					£144,137	9	7

*NOTE.—At Minimum Stock Exchange Quotations at 31st December, 1927, the Securities held were valued at £48,570 8 2 shewing a Depreciation of £31 1 1 on original cost.

Corresponding
figures,
31st Dec., 1926.

ASSETS.

£	s.	d.		£	s.	d.	£	s.	d.
85,011	2	6					86,815	8	0
			Brought forward						
			By Investment of Animals Purchase and Insurance Fund, at Cost—						
			£5,051 11s. 6d. 2½ per cent. Consolidated Stock				2,900	0	0
1,950	0	0							
			„ Investment of Aquarium Reserve Fund, at Cost—						
			£3,832 12s. 4d. 4½ per cent. Conversion Stock, 1940-44				3,710	0	0
3,260	0	0							
34,792	13	10	„ Investment of Special Works Reserve Fund				—		
			„ Investment of Depreciation of Investments Reserve Fund, at Cost—						
			£2,810 11s. 3d. 3½ per cent. Conversion Stock				2,023	5	10
2,935	19	5							
			„ Investments on Account of Refreshment Department Plant and Renewals Fund, at Cost—						
			£312 17s. 1d. 4 per cent. New South Wales Stock, 1942-62	300	0	0			
			£1,942 0s. 4d. India 3½ per cent. Stock	1,800	0	0			
			£2,724 8s. 5d. 3½ per cent. Conversion Stock	2,105	7	4			
3,905	7	4					4,205	7	4
			„ Investment of Centenary Celebration Fund, at Cost—						
			£884 0s. 0d. 5 per cent. War Stock, 1929-47				895	3	6
662	1	0							
			„ Refreshment Department Current Assets at 31st December, 1927—						
			To be Invested	300	0	0			
			Retained for Working Capital	300	0	0			
600	0	0					600	0	0
			„ Investment on Account of General Fund—						
			£32,480 7s. 1d. 4 per cent Treasury Bonds 1931-33				30,830	1	2
7,253	14	10							
4,869	4	7	„ Cash at Bank, General Account	3,664	3	4			
12,000	0	0	„ „ „ „ Deposit Account	8,000	0	0			
180	0	0	„ „ „ „ Composition Funds	135	0	0			
			„ „ „ „ Animals Purchase and Insurance Fund	132	9	11			
49	16	7	„ „ „ „ Aquarium Reserve Fund	40	0	0			
10	0	0	„ „ „ „ Pensions Fund	90	0	0			
—									
319	10	8	„ Cash in Office				12,061	13	3
							96	10	6

£157,799 10 9

£144,137 9 7

INCOME AND EXPEN

FOR THE YEAR ENDED

Corresponding
figures,
31st Dec., 1926.

INCOME.

£	s.	d.		£	s.	d.	£	s.	d.
3,125	0	0	Admission Fees (Fellows)				3,290	0	0
18,409	11	0	Subscriptions (Fellows and Corresponding Members)				19,704	9	0
1,314	17	10	Dividends and Interest received				790	1	4
			Income Tax (deducted from Dividends) recovered						
			during year				264	6	4
1,000	0	0	Rent of Refreshment Rooms				1,000	0	0
			Rent of Whipsnade Hall Farm				74	12	0
11	0	0	Rent of Bath Chairs				11	0	0
61,323	14	1	Admissions to Gardens... ..				68,432	14	8
			Admissions to Aquarium	18,892	13	1			
			Dividend received from Aquarium Reserve Fund						
			Investment	117	3	10			
17,317	11	11					19,009	16	11
2,878	6	5	Riding Receipts... ..				3,006	17	9
			Sale of Animals, &c.	967	14	2			
			Less—Transfer to Animals Purchase and Insur-						
			ance Fund	750	0	0			
532	7	7					217	14	2
3,026	17	5	Sale of Garden Guides and Picture Post Cards ...				3,986	14	10
135	14	6	Sale of Aquarium Guides				100	13	6
499	16	3	Sale of Photographic Films and Cameras				487	11	10
			Sale of Transferable Ivory Tickets and Photo-						
76	12	3	graphers Permits				166	17	6
			Sale of "Zoological Record"—						
			Vols. 59 to 62 (inclusive)	330	11	5			
			" 63	198	5	5			
				528	16	10			
			Vol. 58 and previous Volumes	332	2	5			
847	18	4					860	19	3
			Subscriptions to "Zoological Record"—						
			Vols. 61 and 62	124	10	0			
			" 63	687	10	0			
788	9	8					812	0	0
529	3	10	Subscriptions to Publications				560	11	0
421	8	8	Sale of Publications				633	6	5
54	11	1	Royalties from Cinematograph Films, etc.				6	3	4
789	3	2	Lavatory Receipts				856	7	7
			Refreshment Department Profit to 1st October,						
18,500	0	0	1927				18,400	0	0
			Miscellaneous Receipts				2	5	0

£131,582 4 0

Carried forward

£142,675 2 5

£59,3

DITURE ACCOUNT.

85

31st DECEMBER, 1927.

Corresponding
figures,
31st Dec., 1926.

EXPENDITURE.

£	s.	d.		£	s.	d.	£	s.	d.
2,606	19	2	Rent, Rates, Taxes and Insurance, Gardens ...				2,649	13	8
4,183	3	0	Income Tax (Schedule D)				4,208	14	0
237	10	4	Do. Refreshment Department (Schedule A)				224	6	0
18,329	3	6	Salaries, Staff and Keepers, Gardens				19,562	0	2
4,523	12	4	Do. Office				4,679	16	2
			Pensions, Gardens	1,638	6	8			
			Do. Office	522	0	0			
				2,160	6	8			
			<i>Less</i> Dividends on Pension Fund Investments	71	16	8			
2,159	9	7					2,088	10	0
13,728	6	8	Provisions, including Storekeeper's Wages ...				13,846	6	6
			Cost and Carriage of New Animals	5,493	4	9			
			<i>Add</i> Contribution to Animals Purchase and Insurance Fund	200	0	0			
6,685	10	7					5,693	4	9
			Menagerie Expenses:—						
£2,575	0	5	Fuel	1,676	19	4			
328	13	10	Straw	354	19	8			
951	1	7	Water	1,259	10	11			
141	5	11	Upkeep of Well	41	12	2			
549	16	9	Keepers' Uniforms	595	2	11			
490	2	2	Tools, Implements, Fittings, &c.	450	6	4			
275	10	1	Labels and Drawings	254	17	9			
143	6	8	Sand, Sawdust, Turf, &c.	163	16	1			
51	8	4	Medical Attendance	74	4	11			
129	4	2	Sanatorium and Veterinary Expenses	183	9	0			
81	0	3	Cart repairs, Saddlery, &c.	88	14	5			
416	15	11	Upkeep of Motors (Net Cost)	654	16	10			
361	4	5	Cleaning Materials and Disinfectants	492	8	1			
46	10	0	Police Attendance	31	0	0			
—			Electricity—New Reptile House	1,164	4	6			
210	12	8	Gas, Electricity, etc.—Other Houses	612	14	8			
—			Electrical Sundries	38	1	0			
			Garden Seats	179	13	7			
			<i>Less</i> —Legacy from the late Miss Iron- side Jackson	150	0	0			
1	7	6		29	13	7			
103	9	3	Sundries	55	10	1			
				8,222	2	3			
			<i>Deduct</i> —Donation from Miss J. E. Reckitt, F.Z.S.	100	0	0			
6,856	9	11					8,122	2	3
			Aquarium Maintenance:—						
940	11	0	Cost and Carriage of Fish	1,012	1	1			
230	6	9	Provisions	284	18	8			
3,155	4	1	Salaries and Wages	3,167	14	2			
566	11	7	Fuel	491	4	6			
£59,310	5	1	Carried forward	£4,955	18	5	£61,074	13	6

Corresponding
Figures,
31st Dec., 1926.

INCOME.

£ s. d.
131,582 4 0

Brought forward

£ s. d.
142,675 2 5

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40

£131,582 4 0

Carried forward

£142,675 2 5

£85,41

Corresponding
Figures,
31st Dec., 1926.

EXPENDITURE.

£	s.	d.	£	s.	d.	£	s.	d.	£	s.	d.	
59,310	5	1	4,892	13	5	Brought forward	4,955	18	5	61,074	13	6
Aquarium Maintenance—continued.												
923	0	1				Gas and Electricity	1,130	8	1			
46	13	8				Rates, Taxes and Insurance	58	12	10			
210	13	2				Sea Water	83	18	4			
9	17	4				Glass for Tanks, etc.	1	9	7			
49	8	4				Electrical Sundries	189	5	10			
258	4	6				Upkeep of Plant and Machinery	226	5	4			
43	1	5				Tools, Utensils, etc.	64	0	2			
64	9	2				Repairs, Materials, Fittings, etc.	175	10	5			
71	18	6				Labels	95	14	0			
8	12	4				Sand and Shingle	40	0	3			
—						Printing Tickets	3	15	0			
67	10	0				Advertising	72	0	0			
28	19	3				Uniforms	37	16	0			
33	0	10				Sundries	31	16	6			
350	0	0				Research Fellowship—Salary	262	10	0			
62	4	4				Do. —Apparatus	10	15	2			
7,120	6	4								7,439	15	11
Prosectorium Expenses:—												
						Salaries	954	8	9			
						Chemical Apparatus, &c.	238	12	8			
1,231	7	4								1,193	1	5
Works Department: Upkeep of Buildings, Paths, &c., in Gardens, Regents Park:—												
7,614	6	11				Wages	5,441	12	2			
5,757	18	1				Materials, &c.	4,186	9	4			
13,372	5	0								9,628	1	6
Upkeep of Whipsnade Estate:—												
						Repairs to Buildings	144	0	6			
						Hedging and Ditching	41	13	7			
						Clearing Refuse from Land	6	16	0			
						Maintenance and Repair of Roads and Paths	38	19	2			
						Wages of Keeper, etc.	46	18	2			
						Tools and Implements	2	1	9			
						Compensation to Tenants	22	0	0			
						Legal Expenses <i>re</i> Lease of Hall Farm	24	10	3			
						Rates, Taxes and Insurance	30	4	0			
						Miscellaneous	11	3	11			
										368	7	4
Gardeners' Expenses:—												
						Wages	3,279	1	7			
						Seeds, Plants, Implements, &c.	779	14	11			
3,976	11	11								4,058	16	6
Fuel, Light, etc., at Resident Curator's and Keepers' Offices and Houses at Gardens												
405	19	10								329	1	2
2 5	85,416	15	6			Carried forward				84,091	17	4

Corresponding
Figures,
31st Dec., 1926.

INCOME.

£ s. d.

131,582 4 0

Brought forward

£ s. d.
142,675 2 5

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£131,582 4 0

Carried forward

£142,675 2 5

£98,98

Corresponding
Figures,
31st Dec., 1926.

EXPENDITURE.

£ s. d.		£ s. d.	£ s. d.
85,416 15 6	Brought forward		84,091 17 4
	House and Office Expenses, Central Offices:—		
	£ s. d.		
	Wages of Housekeeper, Servants and Messengers	620 12 5	
607 7 9	Uniforms	23 19 6	
31 2 5	Fuel, Light and Water	206 0 4	
154 16 1	Telephone	109 18 1	
107 12 3	Postages, Parcels, etc.	442 5 10	
399 18 9	Refreshments at Scientific Meetings, etc.	53 0 2	
52 15 5	Rates, Taxes and Insurance	301 19 3	
297 2 6	Books of Reference	25 19 0	
19 1 1	Repairs, Office Fittings and Appliances	322 0 7	
1,054 17 9	Sundries	72 3 4	
103 17 0			
2,828 11 0			2,177 18 6
	Cinematograph Expenses		14 6 4
	Library Expenses:—		
	Salaries	703 16 7	
	Books and Binding, etc.	735 10 11	
1,476 9 2			1,439 7 6
536 15 0	Band Expenses		547 13 6
388 18 5	Advertisements		418 0 6
1,335 5 7	Stationery and Miscellaneous Printing		1,437 3 3
	Garden Guides and Picture Post Cards: Preparation and Printing of		1,460 15 1
714 6 2	Aquarium Guides: Preparation and Printing of		50 12 7
54 7 5	"Zoological Record," Preparation and Printing of Volume 63 £1,928 14 4		
	Add Expenditure <i>re</i> previous Vols. 17 16 9		
		1,946 11 1	
	Deduct Transfer from Davis Fund 60 16 0		
	" Transfer from Donations Reserve Account ... 87 17 6		
		148 13 6	
1,710 5 0			1,797 17 7
2,788 5 0	Publications, Cost of		2,760 19 10
352 13 1	Photographic Films and Cameras, Cost of		342 9 1
22 3 4	Law Expenses		9 18 11
142 0 0	Scientific Grants		179 0 0
5 4 0	Medals, Cost of		3 14 6
11 8 6	Miscellaneous Expenses		6 15 1
1,000 0 0	Contribution to Aquarium Reserve Fund	1,000 0 0	
200 0 0	Contribution to Centenary Celebration Fund	200 0 0	
			1,200 0 0
	Expenditure on Special Works:—		
	Additions and Improvements—Whipsnade Estate... .. 1,967 8 3		
	Less—Donation from H. Hewitt, F.Z.S. 10 0 0		
		1,957 8 3	
	Construction of Reptile House (Balance)	33,522 14 6	
	" " Monkey House (on account)	21,084 8 2	
	" " Transformer House	537 16 4	
£98,983 7 2	Carried forward	£57,102 7 3	£97,938 9 7

Corresponding
figures
31st Dec., 1926.

INCOME.

£	s.	d.		£	s.	d.
131,582	4	0	Brought forward	142,675	2	0
<hr/>				<hr/>		
£131,582	4	0		£142,675	2	0
<hr/>				<hr/>		
£60	16	0	Dividends	£60	16	0
<hr/>				<hr/>		

DAVIS TR
£1,520 Southern Railway

We hereby certify that we have audited the Books, Accounts and Vouchers of the Society and that the above Balance Sheet and accompanying Income and Expenditure truly set forth the position as shown by the Books of the Society. We have verified all explanations we have required.

23, Queen Victoria Street, E.C. 4,
23rd February, 1928.

Corresponding
figures
31st Dec., 1926.

EXPENDITURE.

s. d.	£	s.	d.		£	s.	d.	£	s.	d.
2	98,983	7	2	Brought forward ...	57,102	7	3	97,938	9	7
				Expenditure on Special Works— <i>continued.</i>						
				Rebuilding Bird House (on account) ...	5,253	19	0			
				" South Gate (balance) ...	1,011	13	9			
				Extensions to Hippo. House (on account) ...	94	10	3			
				Renewal of Drains (on account) ...	426	4	0			
					63,888	14	3			
				<i>Less</i> —Transfer from Reserve for Special Works ...	36,011	5	1			
32,598	16	10		Balance, being excess of Income over Expenditure for year, carried to Balance Sheet ...				27,877	9	2
								16,859	3	8
2	131,582	4	0					142,675	2	5

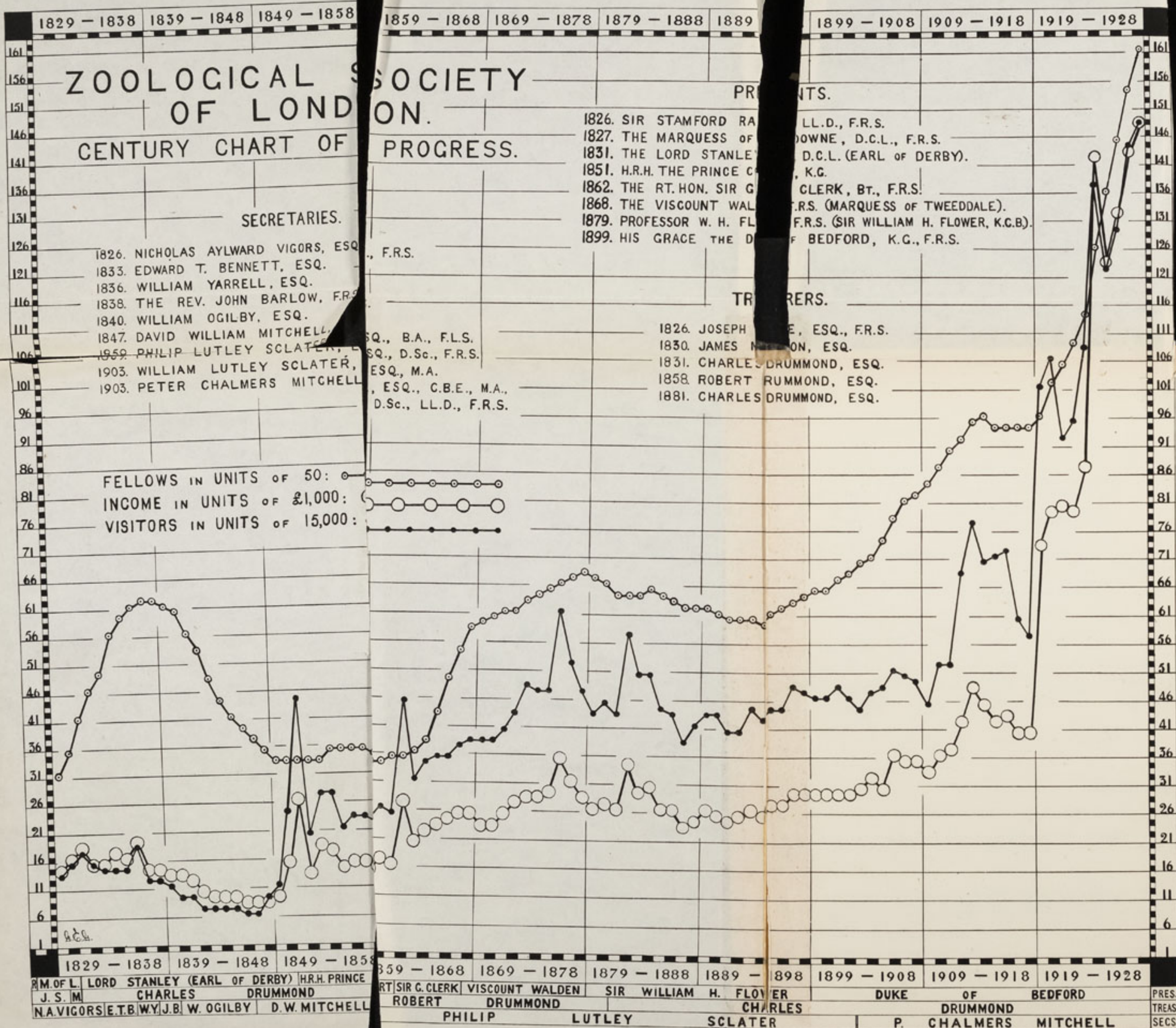
TRUST FUND.

5 per cent. Preference Stock.

16	£60	16	0	Applied towards Fees of Editor of "Zoological Record" ...	£60	16	0
----	-----	----	---	---	-----	----	---

Society for the year ended 31st December, 1927, and have found them to be in order
Account have been drawn up in strict conformity therewith and that they fully and
the Investments and the Cash Balances, and have received all the information and

W. B. KEEN & Co.,
Chartered Accountants.



REPORTS

OF THE

COUNCIL AND AUDITORS

OF THE

ZOOLOGICAL SOCIETY

OF LONDON,

FOR THE YEAR 1928.

PREPARED FOR THE ANNUAL GENERAL MEETING.

TO BE HELD ON

MONDAY, APRIL 29TH, 1929,

AT 4 P.M.

PRINTED BY
WATERLOW & SONS LIMITED,
LONDON, DUNSTABLE & WATFORD.
1929.

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