













REPORTS  
OF THE  
COUNCIL AND AUDITORS  
OF THE  
ZOOLOGICAL SOCIETY  
OF LONDON,  
FOR THE YEAR 1920.

PREPARED FOR THE ANNUAL GENERAL MEETING,

TO BE HELD ON

FRIDAY, APRIL 29<sup>TH</sup>, 1921.

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## REPORT OF THE COUNCIL

*for the year ending 31st December, 1920.*

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### ANNUAL GENERAL MEETING.

1. The Ninety-second Annual General Meeting of the Society will be held on Friday, April 29th, 1921, 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-laws, Chapter VII., 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. ROLL OF MEMBERS.—The number of Fellows and Fellows Elect on January 1st, 1920, was 4,803, and on January 1st, 1921, was 5,105.

	1919.	1920.
Compounders at £30 ... .. (Elected before 1906)	699	665
Compounders at £45 .. ... (Elected since 1905)	181	197
Compositions remitted ... ..	36	35
Paying annually £3 ... ..	3,666	3,995
Dormant (paying £1 since 1911)... ..	151	155
Do. subscriptions remitted... ..	16	14
Admission Fees unpaid ... ..	54	44
	4,803	5,105

4. FOREIGN MEMBERS:—The following Corresponding Members of the Society were elected Foreign Members:—

Professor Ignacio Bolivar, Museo de Ciencias Naturales, Madrid, Spain.

Dr. William T. Hornaday, Director of the Zoological Park, New York, U.S.A.

\*Mons. Eugène L. Bouvier, Muséum d'Histoire Naturelle, Jardin des Plantes, Paris.

\*Professor Jan Willem Van Wijhe, Rijks-Universiteit, Groningen, Holland.

\*Frederick A. Lucas, Esq., Director of the American Museum of Natural History, New York, U.S.A.

\* Proposed in December, 1920; elected January 19th, 1921.



5. CORRESPONDING MEMBERS.—During the war, in compliance with the By-laws (Chapter VI., Section 4), the names of a number of Corresponding Members, chiefly subjects of the Central Powers, were removed from the list. It is within the power of the Council to restore these, as vacancies arise, on their application to the Council, but no such applications have been received.

The following were elected to fill vacancies on the list in 1920 :—

Professor Louis Roule, Muséum d'Histoire Naturelle, Paris.

Alfred A. L. Flynn, Esq.; Deputy-Director of Imports, Karachi Port Trust, Karachi, India.

Mr. Giuseppe Despott, Curator of The Natural History Museum, The University, Malta.

Dr. V. G. Van Someren, Medical Service, Nairobi, British East Africa.

The following were proposed in December, 1920, and elected on January 19th, 1921 :—

Dr. Raoul Louis Ferdinand Anthony, Muséum d'Histoire Naturelle, Paris.

C. Emerson Brown, Esq., Superintendent of The Zoological Gardens, Philadelphia, U.S.A.

Major Robert Ernest Cheesman, I.A., c/o The High Commissioner, Baghdad, Mesopotamia.

Lee S. Crandall, Esq., Curator of Birds, Zoological Society, New York, U.S.A.

Professor Dr. Ermanno Giglio-Tos, Director of the Istituto di Biologia Marina, Turin, Italy.

Dr. Stanley W. Kemp, Sc.D., Superintendent of The Zoological Survey of India, Indian Museum, Calcutta, India.

Harold Miller, Esq., Director of The Zoological Gardens, Mitchell Park, Durban, South Africa.

Dr. Johannes Schmidt, Director of The Carlsberg Laboratory, Copenhagen, Denmark.

Dr. Robin John Tillyard, M.A., Sc.D., F.L.S., New Zealand Government Offices, Strand, W.C.2.



6. IMPERIAL FELLOWS.—The Society has often wished to have some special means of signifying its appreciation of Donors to our collection, of distinguished position such as Indian Rajahs. For this purpose, it was decided to institute a limited class of Imperial Fellows. In accordance with the provisions of the Charter, the Council on November 17th, 1920, gave notice of the following alterations in the By-laws, which, after having been read at three successive Monthly Meetings of the Society and suspended in the Society's Rooms in the interval, were balloted for and passed at the General Monthly Meeting on February 16th, 1921.

#### ALTERATION IN THE BY-LAWS.

The following to be Chapter IV of the Society's By-laws, the present Chapter IV to be renumbered V, and the subsequent Chapters renumbered accordingly.

#### CHAPTER IV.

##### OF IMPERIAL FELLOWS.

Section I. The Imperial Fellows of the Society shall be zealous patrons of Zoology, of high esteem and position in India, or a British Dominion, Colony or Protectorate, but not eligible for election as Honorary or Foreign Members, and shall not exceed twelve in number.

Section II. Every person proposed as an Imperial Fellow shall be recommended by the Council and be balloted for and elected, and be liable to be removed, in the like form and manner, and be subject to the same rules and restrictions as the Ordinary Fellows.

Section III. Imperial Fellows who on their election were already Ordinary Fellows of the Society shall have the option of continuing to pay their annual subscription and shall then enjoy all the privileges of Ordinary Fellows. Imperial Fellows who at the time of their election were not already Ordinary Fellows shall have the option of paying or of compounding for the annual subscription of Ordinary Fellows and of so acquiring all the rights and privileges of Ordinary Fellows.

Section IV. Imperial Fellows who do not pay the annual subscriptions of Ordinary Fellows or shall not have



compounded for them, shall have the privilege of attending the Meetings and visiting the Gardens and Library of the Society, but shall not be entitled to vote at Meetings nor enjoy any other rights and privileges than those above mentioned.

7. LIST OF FELLOWS.—A new edition (the first since 1914) of the Society's List of Fellows was published in July, 1920, and distributed to all Fellows subscribing to the Publications. A revised edition will be published during the Summer of 1921. Any corrections should be sent to the Secretary before April 30th, 1921.

8. LECTURES TO SCHOOL TEACHERS.—The scheme for the instruction of School Teachers, arranged in 1910 by the Council in co-operation with the Education Committee of the London County Council, was continued. Mr. Frank Balfour-Browne, M.A., F.Z.S., F.R.S.E., conducted two complete courses during 1920, each course being attended by 150 School Teachers. The first course consisted of three lectures with lantern demonstrations in the Society's Meeting Room, and three tours in the Gardens to give the Teachers, in groups of 25, a demonstration for each lecture. To the second course was added a Lecture upon Insects.

The object of the courses is to give Teachers such information as may be useful to them when they bring school children to the Gardens. The London County Council makes a grant towards the expenses of the Scheme. The first course for 1921 begins on April 9th.

9. GARDEN GUIDE—LECTURER.—The Council arranged with Mr. E. Kay Robinson to conduct parties of visitors round the Gardens twice weekly during the months of April, May, June and October. Although Mr. Robinson's lectures were much appreciated by those who accompanied him, it was agreed in consultation with the lecturer that insufficient advantage of them was taken to justify continuation of the experiment.

10. SCIENTIFIC GRANTS.—The Council made a donation of £10 to the National Trust towards the preservation of Wicken Fen, of £30 to the Conjoint Board of Scientific



Societies, and of £100 to the Marine Biological Association, Plymouth.

11. SALMON AND TROUT EXHIBITION.—In co-operation with the Salmon and Trout Association a small Exhibition illustrating Fresh-water fisheries was held in the fish house.

12. SCIENTIFIC MEETINGS.—The usual twelve meetings for scientific business were held. The Society's Rooms were also lent to the British Ornithologists' Union, to the Avicultural Society and to the Society for the Protection of the Wild Fauna of the Empire.

13. SCIENTIFIC PUBLICATIONS.—The *Abstract* was issued as usual. The *Transactions*, suspended during the war, have not yet been resumed. Of the *Proceedings* Parts III and IV of 1919 were issued together on February 25th, 1920; Parts I and II of 1920, together on July 21st, 1920; Part III on September 15th, 1920, and Part IV on January 15th, 1921. It is hoped that the irregularity in publication which could not be avoided during the war, will cease.

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

		Plates.		Pages.
1911	...	64	...	1213
1912	...	96	...	913
1913	...	113	...	1104
1914	...	75	...	1077
1915	...	21	...	712
1916	...	22	...	756
1917	...	11	...	338
1918	...	3	...	310
1919	...	23	...	499
1920	...	19	...	656

14. ZOOLOGICAL RECORD.—Considerable progress has been made in dealing with the arrears due to the war. Volume fifty-four, containing the literature of 1917, was published on January 28th, 1920; Volume fifty-five dealing



with 1918, on November 30th, 1920. Preparation of Volume fifty-six dealing with 1919 is far advanced, and Volume fifty-seven has been arranged for. These volumes, under the Editorship of Dr. David Sharp, F.R.S., are prepared according to the scheme of the International Catalogue of Scientific Literature, and would have formed the "N. Zoology" volumes of that series. The co-operation with the International Catalogue was formally broken when the Royal Society gave notice that it would undertake no financial responsibility for any volumes subsequent to the 14th annual issue (Volume LI of the Record). The Council of the Zoological Society has produced Volumes LII to LV at the sole expense of the Society, printing and reserving an edition of each volume for the International Catalogue, in case the publication of that should be resumed. The same course is being adopted with regard to Volumes LVI and LVII. But as no steps appear to have been taken with regard to the issue of the International Catalogue for the literature of 1921 and subsequently, the Council has instructed the Zoological Record Committee to prepare a new scheme for the issue of an Annual Record of Zoological Literature.

15. GARDEN GUIDE AND PICTURE POST CARDS.—The eighteenth edition of the Garden Guide was issued in 1920, and in the course of the year 76,316 copies were sold. This edition was enlarged and printed on better paper, and the cost of each copy was raised to 1s., on account of the increase in all the items of production. Since 1903, 846,238 copies of the Guide have been sold. Of picture post cards, 201,097 were sold in 1920.

16. 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.



1919. California Academy of Sciences, San Francisco, U.S.A.  
 1920. Great Britain, The Ministry of Agriculture, Department of Fisheries.  
 Naturhistorisches Staatsmuseum, Vienna.  
 The Straits Branch of the Royal Asiatic Society.

17. LIBRARY.—The Visitors Book was signed by 537 Fellows and persons introduced by them, and 1,167 volumes were borrowed under the usual regulations.

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

## PRESENTED.

<i>Donor.</i>	<i>Donation.</i>
BALFOUR, H.	Field Observations on British Birds. By F. M. Ogilvie. 1920.
BRITISH MUSEUM (NATURAL HISTORY), TRUSTEES OF.	Studies on Acari. No. 1. Genus Demodex. By S. Hirst. Birds Beneficial to Agriculture. Economic Series. No. 9. By F. W. Frohawk. Marine Boring Animals injurious to submerged Structures. Economic Series. No. 10. W. T. Calman. Report on Cetacea stranded on the British Coasts during 1918. S. F. Harmer. British Antarctic (Terra Nova) Expedition, 1910. Zoology. Vol. V. No. 2. Coelenterata. Part II. Madreporaria. G. Matthai.
BUTLER, F. HEDGES.	Through Lapland with Skis and Reindeer. F. Hedges Butler. 1919.
CARPENTER, G. D. H.	A Naturalist on Lake Victoria. G. D. H. Carpenter. 1920.
CASEY, THOS. H.	Memoirs on the Coleoptera. IX. Thos. H. Casey. 1920.
COMMISSION OF CONSERVATION, CANADA.	National Conference on Game and Wild Life Conservation. 1919.
DEHANT, E. G.	Contributions à l'Étude de la Vie Vértébrée Insulaire dans la Région Méditerranéenne Occidentale et particulièrement en Sardaigne et Corse. 1920.



- DUNCAN, F. MARTIN      How Animals work. F. Martin Duncan. 1920.  
Zoonomia ; or, the Laws of Organic Life. Erasmus Darwin. 1794.
- FERRIER, SIR D.      Etchings of Cattle from Nature. R. Hills. 1800.
- FLOWER, MAJOR S. S.      Six Photographs of Great Game, &c., with MSS notes by the late Sir Wm. Flower.  
Die Ornis der Insel Salanga. A. Muller. 1882  
Guide to Ehlbecks Menagerie. 1902.  
Guide and Price List of Animals. Jardin d'Acclimatation. 1903.  
Lidt Zoologisk-Have Statistik (Til Sammenligningmellem Zoologiske Haver). Kjobenhavn, 1890.
- GURNEY, J. H.      Articles on Ornithology. J. H. Gurney. 1882-1920.
- HUDSON, W. H.      Birds of La Plata. W. H. Hudson. 1920.
- KIDD, W.      Initiative in Evolution. W. Kidd. 1920.
- LISTER INSTITUTE OF PREVENTIVE MEDICINE.      A Collection of bound Zoological Memoirs by various authors, from the Library of the late Prof. Minchin.
- MITCHELL, P. CHALMERS.      The influence of Man on Animal Life in Scotland. A Study in Faunal Evolution. J. Ritchie. 1920
- NAVAS, R. P. LLONGI.      Monografia de l'Ordre dels Rafidiopters. R. P. Llongi Navàs, S. J. 1918.
- NICOL, M. J.      Hand List of the Birds of Egypt. M. J. Nicol. 1919.
- OSBORN, H. F.      A Naturalist in the Bahamas, by J. I. Northrop, with a Biographical Introduction by H. F. Osborn. 1910.
- POCOCK, CONSTANCE I.      Highways and Byways of the Zoological Gardens. Constance I. Pocock. 1913.
- RASPAIL, XAVIER.      Raspail et Pasteur. Trente Ans de Critiques Medicales et Scientifiques. 1884-1914. Xavier Raspail. Paris. 1916.
- SHERBORN, C DAVIES.      Wild Animals of the World, being a Popular Guide to Taronga Zoological Park, Sydney. C. Hedley. Sydney, 1919.



- SONNTAG, DR. CHAS. F. *Observationes Anatomicae Rariores iconibus aeri incisus illustratae.* Leveling. Fasc. Primus. 1787.  
*Essais Anatomiques.* Lieutaud. 1742.  
*Lectures on Physiology, Zoology, and the Natural History of Man.* Lawrence. 1822.  
*The Anatomical Instructor.* Pole. 1790.  
*The Natural History and Diseases of the Human Teeth.* Fox. 1814.

- TEIXEIRA DE MATTOS, A. Translations by A. T. de Mattos of the following works by F. H. Fabre:—  
*Bramble Bees and Others.* 1915.  
*Hunting Wasps.* 1916.  
*Life of the Caterpillar.* 1915.  
*Life of the Grasshopper.* 1919.  
*Mason Bees.* 1914.  
*Mason Wasps.* 1919.  
*The Sacred Beetle and Others.* 1919.

## PURCHASED.

- AGAR (W. E.). *Cytology ; with special reference to the Metazoan Nucleus.* London. 1920.  
 ATHENA. *Athena. A Year Book of the Learned World.* 1920.  
 BRESSLAU (E.). *The Mammary Apparatus of the Mammalia.* With a Note by J. P. Hill, F.R.S. 1920.  
 BOULENGER (G. A.). *A Vertebrate Fauna of the Malay Peninsula. Reptilia and Batrachia.* 1912.  
 COOK (J. A. BETHUNE). *Sir Thomas Stamford Raffles, Kt., L.L.D., F.R.S., Founder of Singapore, 1819, and some of his Friends and Contemporaries.* 1918.  
 DARWIN (CHARLES). The following last editions revised by the Author ; *Descent of Man. Different forms of Flowers on Plants of the same Species. Formation of Vegetable Mould through the action of Earth Worms. Variation of Animals and Plants under Domestication. Insectivorous Plants.*  
 DOBELL (C.). *The Amœbae living in Man.* 1919.  
 FITZPATRICK (SIR PERCY). *Jock of the Bushveld.* 1920.  
 FITZSIMONS (F. W.). *The Natural History of South Africa. Vols III, IV.* 1920.  
 HARVEY (E. NEWTON). *The Nature of Animal Light.* 1920.  
 KEITH (ARTHUR). *Human Embryology and Morphology.* 3rd Edition.  
 MEDICAL RESEARCH COMMITTEE. *Report on the Present State of Knowledge concerning Accessory Food Factors (Vitamines).* 1919.



NIMES ET LA GARD. XLI Congress de l'Association pour l'Avancement des Sciences. Nimes. 1912.

SCOTTISH NATIONAL ANTARCTIC EXPEDITION. Vol. VII. Zoology Invertebrates. 1920.

STEBBING (E. P.). The Diary of a Sportsman Naturalist in India 1920.

STIRLING (W.M.). Some Apostles of Physiology. 1902.

STRESEMANN (E.). Avifauna Macedonica. 1920.

WATSON (J. B.). Behaviour. An Introduction to Comparative Psychology. 1914.

Periodicals and Zoological Works in course of publication, of which parts were added to the Library for the first time in 1920 :—

Journal of Mammalogy. New York. 1920.

Thorburn (A.). British Mammals. Vol. I. 4to. 1920.

18. CARD CATALOGUE.—The Librarian and his Assistant have made further progress with the Subject Card Index and the Geographical (Zoological) Card Index of the Works in the Library.

19. CINEMATOGRAPH RECORDS.—Mr. Martin Duncan has made film studies of the animals in the gardens, especially of the rarer species. A series of these have been shewn at a Scientific Meeting, and the negatives are carefully preserved.

20. PROSECTORIUM.—Dr. R. T. Leiper, F.Z.S., Professor at the Royal School of Tropical Medicine, has continued to act as Director of the Prosectorium, with a Staff consisting of Dr. Sonntag, F.Z.S., Anatomist, Dr. Lucas, F.Z.S., Pathologist, Dr. Vevers, F.Z.S., Beit Research Fellow, Honorary Parasitologist, and two laboratory assistants. Mrs. Markbreiter has examined the blood of animals which have died, for micro-parasites, and a number of other workers have made use of the laboratory. The type specimens of new species described from material obtained from the collection are presented in the name of the Society to the British Museum (Natural History), and anatomical and pathological material has been presented or sold to various institutions and private workers. Reports



are submitted to the Prosectorial Committee, and suggestions relating to the care of the animals or to the need for disinfection are forwarded to the Garden Committee, or given directly to the Curators. Many communications containing the results of original investigations have been presented to the Publication Committee, and published in the *Proceedings*. Requests for material or for facilities for research should be addressed to Dr. Leiper, or to the Secretary of the Society.

21. VISITORS TO THE GARDENS.—The total number of visitors to the gardens in 1920 was 1,590,642, the largest in the history of the Society. The following Tables give comparative figures of some interest.

*Visitors to the Gardens.*

1911 . . .	892,622	1916 . . .	1,084,249
1912 . . .	1,012,898	1917 . . .	898,758
1913 . . .	1,157,974	1918 . . .	855,477
1914 . . .	1,055,208	1919 . . .	1,515,042
1915 . . .	1,058,728	1920 . . .	1,590,642

*Visitors on Bank Holidays.*

	1919.	1920.
Easter Monday . . . . .	75,485	71,489
Whit Monday . . . . .	51,313	51,414
First Monday in August . . . . .	40,893	32,351
Boxing Day . . . . .	5,603	8,438

*Visitors on Sundays and Mondays.*

	1919.	1920.
Sundays . . . . .	111,327	137,583
Mondays . . . . .	443,178	611,125

*Paying Visitors at the Turnstiles.*

	1919.	1920.
At 1s. each . . . . .	445,709	648,827
At 6d. each . . . . .	791,442	611,125

22. 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, Honorary Member, Foreign Member, Imperial Fellow or Corresponding Member 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.

*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, and admission by payment is not allowed. 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 person.

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

Infants in arms are admitted free.

The following reduced prices for EXCURSION TICKETS for Parties of not less than 25 for any fixed date (except Sunday) may now be obtained upon application at the Society's Office, Regent's Park, N.W.8, and if the date chosen for the visit to the Gardens should, through unforeseen circumstances, be found unsuitable, the Tickets, upon being returned to the Society's office, will be made available for another day during the year of issue.

<i>Adults.</i>	<i>Children under 14 Years.</i>
25 to 100 at 11d. each.	25 to 100 at 5d. each.
101 to 200 at 10d. each.	101 and upwards at 4d. each.
201 to 300 at 9d. each.	
301 and upwards at 8d. each.	

CHEAP ORDERS for the admission from 9 a.m. to 1 p.m. of Children from Council or Grant-aided Schools on



Tuesday, Wednesday, Thursday or Friday (except during Easter and Whitsun weeks) may now be obtained:— (1) For a party of 25 or less Children, with one or two Teachers, three shillings (3s.); (2) for a party of 26 to 50 Children, with two teachers, five shillings (5s.); and any number additional to 50 Children at the rate of one penny (1d.) each child, and fivepence (5d.) each Teacher. The Children, with their Teachers, must be out of the Gardens by 1 p.m.

23. WORKS.—The large balance carried forward from 1919 made it possible to undertake, at a total expenditure of nearly £20,000, many long-delayed and much-needed improvements. The second tunnel, the construction of which was suspended during the war, was completed, and the banks, shrubberies and cuttings at the approaches were made up and planted. The relief to the circulation of visitors on crowded days has been great. The path in front of the Lemur-house in the North Garden and the house itself were in a dangerous condition on account of slipping of the bank. A concrete viaduct, supported on ferro-concrete piles, driven deep into the solid clay, has restored the path and secured the foundations of the house. A step has been taken towards the reconstruction of the Gardens, planned in 1913 and 1914, by removing the greater part of the old terrace, making a new elephant-ride, and widening the space occupied by paths and flower-beds from the War Memorial towards the South Entrance. A new Ladies' Lavatory has been made under the Mappin Terraces. The Mappin Terrace Tea Pavilion, left incomplete at the outbreak of the war, has been finished and decorated. The Ladies' Lavatory near the Eastern Aviary was rebuilt and extended, provision for female school children being added. Much general painting and repairs were carried out. The Kangaroo sheds were rebuilt, and electric lighting was added to the Insect-house.

The continued very high cost of work has prevented an extensive programme for 1921. But a new Gentleman's Lavatory is being constructed at the Main Gate, and the reconstruction of the South Garden is being continued. It is hoped that it will be possible to repair and waterproof most of the paths in the Gardens.



24. GARDENERS' DEPARTMENT.—Under the able superintendence of Mr. Young, the Society's head-gardener, the floral display was unusually fine last year. The alterations in the Gardens threw a great burden of work on this department, which was very successfully undertaken. A number of old trees, unsightly or dangerous, were removed, but very many more were planted.

25. BAND.—The "Comrades of the Great War" Headquarters Band performed in the Gardens on Saturdays and Sundays from May 29th to August 29th. There is no evidence that the performances increased the actual number of visitors, but they appear to have been much appreciated by the Fellows and the public, and it is proposed to continue them this season.

In accordance with the undertaking given at the Annual General Meeting last year, a Special Committee interviewed a number of bandmasters and discussed the Band arrangements for 1921. On the recommendation of the Committee, Council has engaged the Queen's Westminster Rifles Band, consisting of the conductor and 28 performers, to play in the Gardens on Saturday and Sunday afternoons from the last Saturday and Sunday in May to the last Saturday and Sunday in August, inclusive.

26. REFRESHMENT DEPARTMENT.—The Accounts have been audited, as usual, by Messrs. Edward Moore & Sons. The gross profit amounted, after feeding the Staff, to £23,256 10s. 2d. The working expenses for the same period amounted to £11,689 13s. 9d., leaving a trading profit of £11,566 16s. 5d. After making the usual allowances for rent, depreciation, and licence duties, etc., and 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 £4,854 10s. 6d. It was decided that £3,000 should be invested and added to the Refreshment Room Re-building Fund, which thus now amounts to over £13,000, and that the balance should be applied to garden improvements.

At the request of the Council, the Committee of Auditors appointed in January, 1920, held a special



meeting to audit the accounts of the Refreshment Department. The results of their financial investigations are embodied in the accounts of the Society for 1920. The Council appointed a Committee from its own body to discuss the Refreshment Department and make recommendations. On their Report the Council is enquiring into the possibility and cost of providing the greatly increased accommodation required for serving the public with tea, and for plant and stores. If such accommodation can be provided at a reasonable cost, it is intended to begin the operations immediately after the end of this season.

27. MENAGERIE.—Great progress was made in restoring the Collection to its pre-war condition. Important collections were received from New York, Calcutta and Singapore, and Mr. Frost, whom the Society sent to the Malay Archipelago, brought back many interesting birds. Among the individual purchases made, a young female hippopotamus and three polar bear cubs were the most notable. Mr. Frost has been sent on a second expedition to the Malay Archipelago, and is expected to return in July.

The following tables show the total changes in the Menagerie in 1918, 1919 and 1920 :—

*Number of Animals in the Gardens on December 31st,  
1918–1920.*

	1918.	1919.	1920.
Mammals ... ..	675	586	563
Birds ... ..	1,146	1,333	1,618
Reptiles, etc. ... ..	279	411	549
Totals ... ..	2,100	2,330	2,730

*Additions to the Collection, 1918 to 1920.*

	Presentation.	Purchase.	Deposit.	Exchange.	Birth.	TOTAL.
1918 ...	372	49	870	8	45	1,344
1919 ...	806	662	272	42	89	1,871
1920 ...	803	885	547	76	165	2,476



## ANIMALS BRED DURING 1920.

1920.	<i>Mammals</i>
June 5.	1 Panda or Cat Bear ( <i>Aelurus fulgens</i> ), eaten by mother June 6th.
Mar. 26 } May 13 }	7 Cairo Spiny Mice ( <i>Acomys cahirinus</i> ), reared.
April 29 } Aug. 10 } Sept. 5 }	7 Migratory Hamsters ( <i>Cricetulus migratorius</i> ), 1 died October 25th, 1920; the rest reared.
Feb. 6 } July 10 }	7 Coypus ( <i>Myocastor coypus</i> ), 3 escaped from pond March 15th; the rest reared.
May 13 } Sept. 2 }	2 South African Porcupines ( <i>Hystrix africae-australis</i> ), both dead.
Feb. 29	1 Spotted Cavy ( <i>Cælogenys paca</i> ), reared.
Oct. 13	2 Hairy-rumped Agoutis ( <i>Dasyprocta prym-nolopha</i> ), reared.
Sept. 27.	1 Hybrid Kiang and African Ass ( <i>Equus kiang</i> × <i>E. asinus</i> ), ♂ reared.
July 18.	1 Kiang ♀ ( <i>Equus kiang</i> ), reared.
April 14.	1 European Bison ( <i>Bison bonasus</i> ), born dead.
June 1.	1 American Bison ♂ ( <i>Bison americanus</i> ), reared.
Mar. 15.	1 Eland ( <i>Taurotragus oryx</i> ), reared.
May 6 } May 13 }	4 Grecian Ibexes ( <i>Capra ægagrus</i> ), reared.
May 10 } May 26 }	4 Hybrid Caucasian and Himalayan Ibex ( <i>Capra cylindricornis</i> × <i>C. sibirica</i> ), one killed by falling off rocks, the rest reared.
June 7 }	
July 13.	1 Thar ( <i>Hemitragus jemlaicus</i> ), reared.
April 11.	2 Barbary Sheep ( <i>Ammotragus lervia</i> ), reared.
April 2 } April 18 }	2 Hybrid Soay Sheep and Sardinian Mouflon ( <i>Ovis aries</i> × <i>O. musimon</i> ), reared.
June 15.	1 Virginian Deer ( <i>Odocoileus virginianus</i> ), reared.
May 1.	Red Kangaroo ( <i>Macropus rufus</i> ), reared.
June 1.	2 Bennett's Wallabies ( <i>Macropus bennettii</i> ), reared.

1920.

*Birds.*

Aug. 5.	2 Indian Silverbills ( <i>Aidemosyne malabarica</i> ), reared.
June 25.	2 Red-headed Finches ( <i>Amadina erythrocephalus</i> ), reared.



- June 25. 2 Pileated Song Sparrows (*Zonotrichia pileata*), reared.
- June 6. 5 Upland Geese (*Chloephaga magellanica*), 4 died, 1 reared.
- July 25. 1 Carolina Duck (*Lampronessa sponsa*), reared.
- July 25. 4 Mandarin Ducks (*Æx galericulata*), reared.
- July 21. 4 Budgerigars (*Melopsittacus undulatus*), reared.
- Sept. 25. 3 Budgerigars (*Melopsittacus undulatus*), reared.
- Sept. 8. 2 Buckley's Ground Doves (*Chamæpelia buckleyi*), reared.
- June 25. 1 Brush Bronzewing Pigeon (*Phaps elegans*), reared.
- Oct. 5. 4 Gambel's Quails (*Lophortyx gambeli*), 2 died, 2 reared.
- July 6. 4 Spot-bellied Francolins (*Francolinus spilogaster*), 1 killed by rat, 3 reared.
- June 21. 1 Himalayan Monaul (*Lophophorus impeyanus*), died when 4 weeks old.
- June 22. 2 Hybrid Monaul and Silver Pheasants, (*Lophophorus impeyanus* × *Gennæus nycthemerus*), 1 died, 1 reared.
- June 22. 2 Silver Pheasants (*Gennæus nycthemerus*), reared.
- June 22. 2 Lineated Kaleege Pheasants (*Gennæus lineatus*), reared.
- June 7. 10 Gold Pheasants (*Chrysolophus pictus*), reared and sold.
- June 7. 2 Common Pheasants (*Phasianus colchicus*), reared and sold.
- Sept. 13. 4 Red Jungle Fowl (*Gallus gallus*), reared.
- June 6. 3 Greater Black-backed Gulls (*Larus marinus*), reared.

*Reptiles, etc.*

- June 28. 4 Ocellated Sand Skinks (*Chalcides ocellatus*), 2 dead, 2 reared.
- July 5. 60 Spotted Salamanders (*Salamandra maculosa*), reared.
- Feb. 1. 5 Axolotls (white var), (*Amblystoma tigrinum*), reared.
- July 22. 8 Sword-tail Fish (*Xiphophorus helleri*), reared.



*List of the Species new to the Collection exhibited during  
1920.*

(The figures placed before each animal indicate its approximate position in the List of Animals.)

I.—MAMMALS.

- 223 a. *Mungos caffer* Gmelin. Kaffir Mongoose.  
*Hab.* Kirun, Southern Nigeria.  
a. Presented by R. H. Lapage, Esq., September 22nd, 1920.
- 375 a. *Callosciurus notatus* Boddaert. Boddaert's Squirrel.  
*Hab.* Java.  
a-b. Purchased August 12th, 1920.
- 375 b. *Callosciurus vittatus* Raffles. Banded Squirrel.  
*Hab.* Borneo.  
a. Deposited, September 23rd, 1920.
- 392 b. *Funisciurus cepapi* A. Smith. Grey-footed Squirrel.  
*Hab.* South Africa.  
a. Purchased, May 22nd, 1920.
- 423 c. *Dyromys nitedula* Pallas. Oak Dormouse.  
*Hab.* Kedos, Anatolia.  
a. ♀ Presented by Captain G. Noel Rogers, June 5th, 1920.

II.—BIRDS.

- 363 a. *Zonotrichia gambelli* (Nuttall). Gambell's Sparrow.  
*Hab.* N. America.  
a-b. Presented by the New York Zoological Society, June, 9th, 1920.
- 366 a. *Pipilo crissalis* Vigors. Californian Ground Finch.  
*Hab.* California.  
a-b. Presented by the New York Zoological Society, June 9th, 1920.
- 357 a. *Chondestes grammacus* (Say). Lark Sparrow.  
*Hab.* N. America.  
a-b. Presented by the New York Zoological Society, June 9th, 1920.
- 401 a. *Lamprocolius australis* (Smith). Burchell's Glossy Starling.  
*Hab.* S. Africa.  
a-c. Received in exchange, June 17th, 1920.



- 402 a. *Lamprocorax sulaensis* Sharpe. Sula Island  
Calornis.  
*Hab.* Sula Islands.  
a. Purchased, October 13th, 1920.
- 431 a. *Corvus corax hispanus* Hartert and Kleinschm.  
Spanish Raven.  
*Hab.* Abrantes, Portugal.  
a. Presented by W. C. Tait, Esq., F.Z.S., June 23rd,  
1920.
- 456 a. *Cissolopha sanblasiana* (Vigors). San-blas Jay.  
*Hab.* Mexico.  
a. Presented by the New York Zoological Society,  
June 9th, 1920.
- 485 a. *Cracticus cassicus* (Bodd.). Black-headed Butcher  
Crow.  
*Hab.* Aru Islands.  
a. Purchased, October 13th, 1920.
- 510 a. *Pitangus rufipennis* (Latr). Rufous-winged Tyrant.  
*Hab.* Colombia.  
a-b. Presented by the New York Zoological Society,  
June 9th, 1920.
- 555 b. *Lophoceros leucomelas* (Licht.). Yellow-billed  
Hornbill.  
*Hab.* S. Africa.  
a. Deposited, March 29th, 1920.
- 557 a. *Momotus venezuelæ* Sharpe. Venezuelan Motmot.  
*Hab.* Venezuela.  
a-b. Presented by the New York Zoological Society,  
June 9th, 1920.
- 578 c. *Lybius torquatus* Dumont. Black-collared Barbet.  
*Hab.* S. Africa.  
a. Deposited, May 22nd, 1920.
- 5 a. *Hylocichla aliciae* Baird. Grey-cheeked Thrush.  
*Hab.* N. America.  
a. Presented by the New York Zoological Society,  
June 9th, 1920.
- 43 a. *Vireo olivaceus* (Linn). Red-eyed Vireo.  
*Hab.* N. America.  
a. Presented by the New York Zoological Society,  
June 9th, 1920.
- 112 a. *Urolestes melanoleucus* (Jard. and Selby). Long-  
tailed Shrike.  
*Hab.* S. Africa.  
a-d. Deposited, May 22nd, 1920



- 121 e. *Anthothreptes collaris* (Vieill.). Collared Sunbird.  
*Hab.* Natal.  
 a-b. Presented by Harold Millar, Esq., August 2nd, 1920.
- 156 a. *Rhamphocœlus dimidiatus* Lafr. Crimson-backed Tanager.  
*Hab.* Central America.  
 a-b. ♂ ♀. Presented by the New York Zoological Society, June 9th, 1920.
- 309 a. *Chrysomitris mexicana* (Swains.). Mexican Goldfinch.  
*Hab.* Mexico.  
 a-d. Presented by the New York Zoological Society, June 9th, 1920.
- 315 a. *Spinus pinus* (Wils.). Pine Siskin.  
*Hab.* N. America.  
 a-d. Presented by the New York Zoological Society, June 9th, 1920.
- 359 a. *Chrysotis virenticeps* Salvad. Green-headed Amazon.  
*Hab.* Costa Rica.  
 a. Received in exchange, September 30th, 1920.
- 616 b. *Trichoglossus rosenbergi* Schl. Rosenberg's Lorikeet.  
*Hab.* Mysore Island.  
 a. Purchased, October 13th, 1920.
- 651 a. *Ara auricollis* Cass. Yellow-collared Macaw.  
*Hab.* Eastern Bolivia.  
 a-b. Presented by Walter Goodfellow, Esq., F.Z.S., July 23rd, 1920.
- 953 a. *Falco biarmicus erlangeri* Kleinschm. Erlanger's Falcon.  
*Hab.* N.W. Africa.  
 a-b. Purchased, June 27th, 1920.
- 1222 a. *Carpophaga muelleri* (Temm.). Mueller's Imperial Fruit-Pigeon.  
*Hab.* New Guinea.  
 a. Purchased, October 13th, 1920.
- 1222 b. *Carpophaga pinon* (Q. & G.). Pinon Imperial Fruit-Pigeon.  
*Hab.* New Guinea.  
 a. Purchased, October 13th, 1920.
- 1222 c. *Carpophaga finschi* Ramsey. Finsch's Imperial Fruit-Pigeon.  
*Hab.* New Guinea.  
 a-b. Purchased, October 13th, 1920.



- 1271 *c.* *Turtur senegalensis aegyptiacus* (Latham). Egyptian Palm Dove.  
*Hab.* Africa.  
*a-l.* Deposited, May 1st, 1920.
- 1271 *d.* *Turtur isabellina* Bonaparte. Isabelline Turtle-Dove.  
*Hab.* N.E. Africa.  
*a-d.* Deposited, May 1st, 1920.
- 1271 *e.* *Turtur roseigrisea* (Sundee). Rosy-Grey Turtle-Dove.  
*Hab.* N.E. Africa.  
*a-b.* Deposited, May 1st, 1920.
- 1271 *f.* *Turtur decipiens* (Finsch and Hartl.). Dongola Turtle-Dove.  
*Hab.* Dongola.  
*a-f.* Deposited, May 1st, 1920.
- 1277 *a.* *Scardafella inca* (Less.). Inca Dove.  
*Hab.* S.W. United States.  
*a-b.* Presented by the New York Zoological Society, June 9th, 1920.
- 1280 *a.* *Chamæpelia pallescens* Baird. Mexican Ground Dove.  
*Hab.* Mexico.  
*a-b.* Presented by the New York Zoological Society, June 9th, 1920.
- 1280 *b.* *Chamæpelia rufipennis* (Bp.). Red-winged Ground-Dove.  
*Hab.* Mexico.  
*a-b.* Presented by the New York Zoological Society, June 9th, 1920.
- 1343 *b.* *Francolinus spilogaster* Salvad. Spot-bellied Francolin.  
*Hab.* N.E. Africa.  
*a-b.* Presented by Mr. Maurice Portal, F.Z.S., May 1st, 1920.
- 1368 *a.* *Colinus texanus* Lawr. Texan Colin.  
*Hab.* Texas.  
*a-b.* Presented by the New York Zoological Society, June 9th, 1920.
- 1468 *a.* *Ortalis macalli* Baird. Northern Guan.  
*Hab.* S. Texas.  
*a.* Presented by the New York Zoological Society June 9th, 1920.



- 1481 *d. Hypotaenidia striata* (Linn.). Banded Rail.  
*Hab.* India.  
*a.* Purchased, April 28th, 1920.
- 1611 *a. Gabisus pacificus* (Lath.). Pacific Gull.  
*Hab.* Australia.  
*a.* Presented by the New York Zoological Society,  
 June 9th, 1920.
- 1611 *b. Larus occidentalis* Audub. Western Gull.  
*Hab.* Pacific Coast of N. America.  
*a.* Presented by the New York Zoological Society,  
 June 9th, 1920.
- 1644 *a. Catarrhactes chrysolophus* (Brandt.). Golden-  
 crested Penguin.  
*Hab.* South Georgia.  
*a-b.* Purchased February 10th, 1920.

### III.—REPTILES, Etc.

- 61 *b. Testudo loveridgii* Blgr. Soft-shelled Land  
 Tortoise.  
*Hab.* Dodoma, E. Africa.  
*a-b.* ♂ ♀ Presented by Arthur Loveridge, Esq.,  
 Jan. 26th, 1920.
- 95 *c. Crocodilus siamensis* Schneid. Siamese Crocodile.  
*Hab.* Bangkok, Siam.  
*a.* Presented by Dr. Malcolm Arthur Smith, F.Z.S.,  
 May 26th, 1920.
- 225 *a. Mabuia quinquetaeniata* Lichtenst. Five-banded  
 Lizard.  
*Hab.* Rhodesia.  
*a.* Deposited, April 14th, 1920.
- 303 *a. Zamenis algirus* Gervais. Algerian Snake.  
*Hab.* Algeria and Tunisia.  
*a.* Purchased June 14th, 1920.
- 351 *c. Dipsadomorphus dendrophilus* (Seba). The Night  
 Tree Snake.  
*Hab.* Singapore.  
*a.* Purchased June 4th, 1920.
- 370 *a. Herpeton tentaculatum* (Lacép.). Tentacled Snake.  
*Hab.* Paknampo, Siam.  
*a.* Presented by Dr. Malcolm Arthur Smith, F.Z.S.,  
 May 26th, 1920.
- 397 *b. Vipera lebetina* Linn. Daudin's Viper.  
*Hab.* Morocco.  
*a-b.* Deposited, August 19th, 1920.



- 28 a. *Heros facetus* Jenyns. Chameleon Fish.  
*Hab.* Mexico.  
*a-b.* Purchased, July 19th, 1920.
- 28 b. *Cichlosoma nigrofasciata* Günther. Black-banded  
 Cichlid.  
*Hab.* S. America.  
*a-b.* Purchased, July 19th, 1920.
- 66 a. *Barbus conchoniis* Ham. and Buch. Indian Barbel.  
*Hab.* India.  
*a-d.* Purchased July 19th, 1920.

## DONORS.

- HIS MAJESTY THE KING, Patron and Fellow of the Society.  
 2 Barbary Sheep.
- H.R.H. THE PRINCE OF WALES, K.G., F.Z.S. 1 Albino  
 Vulpine Opossum.
- ADAM, Mrs. E. H., F.Z.S. 1 Larger Hill Mynah, 2  
 Avadavats, 2 Golden-breasted Waxbills, 2 Crimson-  
 eared Waxbills, 1 Pin-tailed Whydah-bird.
- AMBROSE, Mrs. A. 2 Pileated Jays.
- ANGIE, Capt. R. A. 1 Timber Wolf.
- ANNANDALE, Mr. T. L. 2 Budgerigars.
- ANNING, Mr. Rodney. 1 Badger.
- BAILEY, Mr. W. Shore. 1 Common Fox.
- BAKER, Mr. E. C. Stuart, F.Z.S. 1 Vulpine Opossum.
- BAKER, Mr. William. 1 Badger.
- BALDWIN, Miss May. 1 Lobed Chameleon.
- BARKER, Capt. W. R., F.Z.S. 2 Abyssinian Guerezas.
- BARNES, The Hon. J. Edmestone, F.R.G.S. 1 Two-  
 spotted Palm-Civet.
- BASTAIN, Mrs. 1 Budgerigar.
- BEDDINGTON, Mrs. 1 Bosman's Potto.
- BELL, Mr. D. W. 1 Hybrid Thrush and Blackbird, 1  
 White Sparrow, 1 Mule Goldfinch.
- BELL, Miss Evelyn. 1 Alexandrine Parrakeet.
- BERTRAND, Mrs. 1 Mozambique Cercopitheque.
- BETTS, Mr. Leonard. 1 Mozambique Cercopitheque.
- BLASCILL, Mr. B. 4 Little Owls.
- BLYTHER, Mr. E. T. 1 Burnett's Cercopitheque.
- BODENHAM, Mrs. Helen P. 1 Greater Sulphur-crested  
 Cockatoo.
- BOY SCOUTS ASSOCIATION, The Jamaica. 1 Sharp-nosed  
 Crocodile.



- BOY SCOUTS, South African. 1 Black-backed Jackal.  
 BRAZIER, Mr. Charles J. 1 Alexandrine Parrakeet.  
 BROAD, Mr. H. R. 1 Hybrid Canary, 1 Bullfinch, 2 Red-  
 poles, 1 Linnet, 2 Greenfinches, 1 Chaffinch, 1 Gold-  
 finch, 1 Yellow-Hammer, 1 Alexandrine Parrakeet.  
 BROOKSBANK, Mrs. 1 Raven.  
 BROOM, Dr. Robert, F.R.S., C.M.Z.S. 1 Small-lobed  
 Chameleon.  
 BROUGHTON, Mrs. 2 Mississippi Alligators.  
 BROWN, Mrs. Sidney. 1 Yellow-winged Sugar-bird.  
 BROWN, Master Sidney J. R. 1 Violet Tanager.  
 BROWN, Mr. W. 1 Slowworm.  
 BROWNJOHN, Mr. W. H. 1 Blue-fronted Amazon.  
 BROWNLOW, Major H. B. 1 Budgerigar.  
 BRUCE, Capt. R. W. 1 Brown Bear.  
 BRUCE, Mrs. 1 Green Cercopitheque.  
 BUNWAN, Mrs. 1 Crested Newt.  
 BURRELL, Mrs. Nancy. 1 Smoky Woolly Monkey.  
 BURROUGHS, Miss R. 1 Larger Hill Mynah.  
 BURT, Mr. Alfred. 2 Young Emus.  
 BUTE, The Marquess of. 4 White Common Peafowl.  
 CARY, Major Onslow. 1 Tawny Owl.  
 CATOR, Col. A. 2 Little Owls.  
 CEDERSTRÖM, The Baron. 1 Red-beaked Weaver-bird,  
 1 Roseate Cockatoo, 1 Slender-billed Cockatoo, 1  
 Blue-fronted Amazon.  
 CHADWICK, Mrs. Agnes L. 1 Greater Sulphur-crested  
 Cockatoo.  
 CHALMERS, Mr. George, C.M.Z.S. 1 Red Wolf, 1 Crab-  
 eating Dog, 2 Brazilian Cariamas, 2 Terrific  
 Rattlesnakes, 1 South-American Viperine Snake.  
 CHAMBERLAIN, the late Mr. Walter, F.Z.S. 1 Burmese  
 Peafowl, 1 Hybrid Burmese and Common Peafowl.  
 CHAMBERLAIN, Mrs. Agnes, F.Z.S. 1 European Pond  
 Tortoise, 1 Four-banded Snake.  
 CHAPLIN, Mr. Anthony. 1 Derbian Zonure.  
 CHAPPLE, Mr. Arthur R. 1 Green Cercopitheque.  
 CHEYNE, Lt.-Col., R.E. 1 Basilisk Chameleon.  
 CHICHESTER, Dr. Edward. 1 Rhesus Macaque, 1 Water Rail.  
 CHILD, Mr. B. T. A Collection of "Millions" Fish.  
 CLARE, Mrs. Gladys. 1 White-nosed Coati.  
 CONWAY, Mr. Raymond. 1 Patas Cercopitheque, 1  
 Tantalus Cercopitheque.



- COOCH BEHAR, H.H. The Maharaja of, K.C.S.I., F.Z.S.  
1 Female Indian Elephant, 1 Fishing Cat.
- COTTON, Mr. W. B., F.Z.S. 1 Indian Python.
- COX, Mrs. William C. 1 Weeper Capuchin.
- COX-WALKER, Mr. T. M. 1 Black-eared Marmoset.
- CROWTHER, Mr. W. C., F.Z.S. 1 Gopher Frog.
- CRUICKSHANK, Miss Winifred. 1 Loggerhead Turtle.
- CURZON, Mrs. L. E. 1 Mozambique Cercopitheque.
- CUTHBERT, Mr. E. 1 Barn Owl.
- DANIELS, Mr. A. J. R. 1 Common Chameleon.
- DAVIDSON, Miss I. 1 Green Cercopitheque.
- DAVIES, Major, F. E., M.C. *See* Lt.-Col. O. H. North,  
D.S.O.
- DEATH, Mr. Reginald. 1 Burnett's Cercopitheque.
- DELACOUR, Monsieur Jean, F.Z.S. 1 Spotted Tinamou,  
1 Cinereous Tinamou, 6 Violet Tanagers.
- DENNER, Mrs. J. J. 1 Common Chameleon.
- DENNIS, Mr. Wesley. 1 Puffin.
- DENNY, Mr. James R. 1 Greater Sulphur-crested  
Cockatoo.
- d'ERLANGER, The Baroness. 1 Greater Sulphur-crested  
Cockatoo.
- DEWAR, The Hon. H. E. A. and The Hon. Miss I. M.  
4 Budgerigars.
- DE WINTON, Mr. William E., F.Z.S. 2 Hybrid Pheasant  
and Wyandotte Fowls.
- DOREY, Mr. C. M. 1 Alexandrine Parakeet.
- DOWLING, Miss L. 1 European Tree Frog.
- DUCKWORTH, Mrs. M. 1 Purple-faced Langur.
- EDMUNDS, Mr. J. E. 1 Mozambique Cercopitheque.
- ELMER, Miss Elizabeth A. 1 Roseate Cockatoo.
- EVANS, Miss Edith. 1 Budgerigar.
- EZRA, Mr. Alfred, O.B.E., F.Z.S. 1 Red-vented Bulbul  
(white var.).
- FALKNER, Mr. Guy R., F.Z.S. 8 St. Helena Waxbills,  
2 Wild Canaries, 4 Green Singing Finches, 2 Cape  
Turtle Doves, 1 African Palm Dove, 1 Black-  
shouldered Kite.
- FARR, Mr. S. G. 1 Two-spotted Palm Civet.
- FFENNELL, Miss Hazel. 1 Avadavat.
- FINCH, Mr. Harold B., F.Z.S. 3 Buzzards.
- FINCH, Capt. J. C. Wynne, Scots Guards, M.C. 3 Common  
Foxes.



- FOLJAMBE, Lady Alice. 1 African Palm Dove.  
 FORD, Mr. H. 1 Wild Boar.  
 FOSTER, Mrs. Priestly. 1 Brown Capuchin.  
 FREEMAN, Lieut. - Commander F. Williams, R.N.  
 1 Egyptian Mongoose.  
 GALL, Mrs. W. G. 1 Common Chameleon.  
 GIANNELLI, Mr. George. 1 Common Marmoset.  
 GOODFELLOW, Mr. Walter, F.Z.S. 2 Yellow-collared  
 Macaws, 1 Red Ground Dove, 1 Ypecaha Rail.  
 GRAVÉ, Capt. Felix. 1 Green Cercopitheque.  
 GRAVELEY, Dr. 1 Indian Palm Civet.  
 GREEN, Mr. A. 1 Alligator.  
 GRIDLEY, Mr. W. A. 1 Alexandrine Parrakeet.  
 GRIPPER, Mr. Ernest J. 1 Japanese Deer.  
 GRUNDY, Mr. F. 1 Common Seal.  
 GUANO ISLANDS, SOUTH AFRICA, The Superintendent of  
 the Government of. 5 Sacred Ibises, 10 Southern  
 Triangular-spotted Pigeons.  
 HAIG, Mr. L. 4 Marbled Newts, 4 Alpine Newts.  
 HAIGH, Miss Betty. 1 Common Fox.  
 HALL, Mr. A. M. 1 Common Macaque.  
 HALL, Mrs. 1 Greater Sulphur-crested Cockatoo.  
 HARCOURT, The Rt. Hon. Viscount, P. C., F.Z.S.  
 1 Common Rhea ♂.  
 HARPER, Mr. E. W., F.Z.S. 2 Pondicherry Vultures,  
 2 Indian Kites, 1 Crested Black Bunting, 1 Tigrine  
 Frog, 3 Saccobranchs, 1 Climbing Anabas.  
 HARRIS, Mrs. D. 1 Bonnet Macaque.  
 HARRISON, Miss Mary L. 1 Red and Yellow Macaw.  
 HARRINGTON, Mr. A. C. 1 Kestrel.  
 HARTLEY, Miss. 1 Roseate Cockatoo.  
 HARVEY, Mr. D. S. 1 Abyssinian Cercopitheque.  
 HAY, Dr. Malcolm B., F.Z.S. 1 Patas Cercopitheque,  
 3 Bay Duikers, 1 Campbell's Duiker, 1 Maxwell's  
 Duiker, 1 African Civet, 1 Grey Eagle Owl, 1 Royal  
 Python.  
 HAYDEN, Mr. John W. 1 Kestrel, 2 Goldfinches, 2  
 Siskins, 2 Yellow Buntings.  
 HAYTER, Mrs. F. H. G. 1 Green Cercopitheque.  
 HEWITT, Miss E. 1 Derbian Sternothera.  
 HIGHLAND LIGHT INFANTRY, 1st Battn. of The. 1 Persian  
 Gazelle ♂.  
 HILDYARD, Mrs. 1 Rhesus Macaque.



- HILL, Mrs. E. 1 Mozambique Cercopitheque.  
 HODGES, Mrs. 1 Algerian Tortoise.  
 HOLMAN, Mr. E. 1 Black-headed Bunting, 1 Harlequin Quail, 1 Lobed Chameleon.  
 HOOK, Mrs. J. 1 Magpie.  
 HOOPER, Capt. H. B., R.N. 1 Red and Blue Macaw.  
 HOPKINSON, Dr. E., D.S.O., F.Z.S. 1 Quaker Parrakeet, 1 White-eared Scops Owl, 8 Masked Doves, 1 African Palm Dove, 4 Vinaceous Turtle Doves, 1 White-naped Roller.  
 HOPWOOD, Miss A. 1 Common Macaque.  
 HORSLEY, The Rev. Canon J. W. 16 Black Salamanders.  
 JAMES, Mr. R. S. 2 Red-crested Cardinals.  
 JONES, Mrs. Caroline Apland. 1 Common Macaque.  
 JONES, Mr. J. W. Bertram, F.Z.S. 1 Hybrid Black-winged Peafowl.  
 KENIDGE, Mr. J. B. 1 Small Hill-Mynah.  
 KERNAN, Major G. E., R.A. 1 Brown Bear.  
 KEW, The Director of the Royal Botanic Gardens. 2 Chestnut-breasted Teal, 2 Hybrid White-eyed and Tufted Ducks, 2 Bar-headed Geese.  
 KING, Mr. Bullard N. 1 Sloth Bear.  
 LANCE, Lieut.-Col. Fred. F. 1 Lacertine Snake, 1 Schokari Sand Snake.  
 LANE, Sir W. Arbuthnot, Bt., C.B., F.Z.S. 1 Common Macaque.  
 LANE, Miss Rosemary. 1 Field Vole.  
 LANGRIDGE, Mrs. 1 Moorhen.  
 LAPAGE, Mr. R. H. 1 Kaffir Mongoose.  
 LAVERTON, Mrs. H. V. 1 Pardine Genet, var.  
 LAWRIE, Miss Rosemary. 2 European Pond Tortoises.  
 LAYMAN, Miss Nina. 1 Patas Cercopitheque.  
 LEBBE, The Rev. Bede O.S.A. 6 Midwife Toads.  
 LECALLIER, Madame Valentine, F.Z.S. 2 White-backed Pigeons.  
 LE HUNTE, Sir George R., G.C.M.G. 1 Red-vented Parrot.  
 LEVY, Miss Lieska, F.Z.S. 1 Greater Sulphur-crested Cockatoo.  
 LIGHT, Miss A. 1 Hedgehog.  
 LIMEHOUSE, Mr. E. S. 1 Orange-winged Amazon.  
 LINDEMERE, Mr. Robert. 1 Brown Capuchin, 4 Common Boas.  
 LIVINGSTON, Mrs. Guy. 1 Argentine Dwarf Toad.



- LOCK, Mr. J. 1 Common Snake.  
 LONGHURST, The Rev. E. L. 1 Herring Gull.  
 LOVERIDGE, Mr. Arthur. 2 Soft-shelled Land Tortoises.  
 LOWE, Mr. Willoughby P. 2 Grey Eagle Owls, 1 White-eared Scops Owl.  
 LUND, Mr. F. W. 1 Common Pheasant, var.  
 MACDONALD, Miss Violet, F.Z.S. 1 Green Cercopitheque.  
 MCHUTCHIN, Mrs. ANITA. 1 Grey Parrot.  
 MACMAHON, Mr. C. 1 Cheetah.  
 MCNAUGHTON, Mr. J. 1 Kestrel.  
 MALINS, Miss Cary. 2 Budgerigars.  
 MARTIN, Mr. S. B. 1 Bonnet Macaque.  
 MELLOR, Mrs. Emily. 1 Sooty Mangabey.  
 MERRYWEATHER, Mr. C. H. 1 Mozambique Cercopitheque.  
 MEYER, Mr. A. 1 Greater Sulphur-crested Cockatoo.  
 MILLAR, Mr. Harold. 2 Collared Sunbirds.  
 MOLLER, Mr. H. W. 1 Bronze-winged Finch, 1 Common Fire Finch, 1 Common Waxbill, 4 Cut-throat Finches, 4 Saffron Finches.  
 MONK, Mr. D. 1 Two-spotted Palm-Civet.  
 MONTEFIORE, Mr. Harry J., F.Z.S. 1 Bonnet Macaque.  
 MOODIE, Mrs. B. H. 1 Greater Sulphur-crested Cockatoo.  
 MOYLAN, Mr. M. 1 Jackdaw.  
 MULLEY, Mrs. H. 1 Blue-fronted Amazon.  
 MULVANY, Capt. C. F. 1 Rhesus Macaque.  
 MURRAY, Mr. A. E. F. 1 Anubis Baboon, 2 Leopards.  
 MUSEUM, The Director of the South African. 2 Leopard Tortoises.  
 NAFTEL, Mrs. 2 Black-fronted Weaver Birds, 1 Orange Weaver Bird, 1 Three-coloured Mannikin, 1 Black-headed Mannikin, 1 Avadavat.  
 NAPIER, Mr. Philip H. 2 Yemmeny Pigeons.  
 NEWMAN, Mrs. Henry. 1 Blue and Yellow Macaw.  
 NORTH, Lieut.-Col. O. H., D.S.O. 1 Albino Badger.  
 OLIFFE, Mr. J. J. 1 Common Chameleon.  
 PAGE, Miss J. M. 1 Common Dormouse.  
 PARSONS, Mrs. E. H. 1 Rhesus Macaque.  
 PAYNE, Master. 1 Slowworm, 2 Common Newts, 6 Crested Newts.  
 PENN, Miss Grace. 1 Common Chameleon.  
 PÉRINGUEY, Dr. Louis, F.Z.S. 10 Black-footed Penguins.  
 PERKINS, Mr. Charles C., F.Z.S. 1 Magpie.  
 PETT, Mr. A. E. 1 Red and Blue Macaw.



- PIERCE, Dr. F. J. 1 Greek Tortoise.
- PIKE, Mr. Godfrey. 1 Blue-and-Yellow Macaw.
- "PITTSBURGH," The Officers and Crew of the U.S.A. S.S.  
1 Brown Bear.
- POORE, Mr. W. C. 1 Greater Sulphur-crested Cockatoo.
- PORTAL, Mr. Maurice, D.S.O., F.Z.S. 2 Egyptian Palm  
Doves, 2 Dongola Turtle Doves, 1 Rosy-grey Turtle  
Dove, 2 Spot-bellied Francolins, 1 Jay.
- PORTER, Mr. J. W. 1 Northern Mocking Bird, 1  
Virginian Cardinal.
- PRENTICE, Lieut.-Col. N. E. *See* Highland Light  
Infantry, 1st Battn.
- PRICE, Mr. O. T. 4 Badgers.
- PRIEST, Mr. Alfred. 1 Turtle Dove, 1 Barbary Turtle Dove.
- PROCTOR-GREGG, Mr. H. 1 Plain-coloured Amazon.
- PROGER, Mr. Thomas W., F.Z.S. 1 Condor.
- RATLAM, H. H., The Maharaja of, K.C.S.I. 2 Tigers.
- RAWNSLEY, Major W. H. 1 Golden Eagle.
- REDDICK, Mrs. E. M. 1 Rhesus Macaque.
- REID, Mr. William Lewis, F.Z.S. 2 Silky Cowbirds.
- RIFLES, Princess Beatrice's, Isle of Wight. 1 Lion.
- RODGIE, Mr. William. 1 Woodcock.
- ROGERS, Capt. G. Noel. 1 Oak Dormouse.
- ROGERS, Mr. H. E. 4 Quaker Parrakeets.
- ROSE, Mrs. M. 1 Basilisk Chameleon.
- ROOTS, Dr. William H. 2 Vulpine Opossums.
- ROW, Miss A. H. 1 Common Marmoset.
- ROWLANDS, Dr. M. J. 1 Badger.
- RUMSEY, Mrs. 1 Roseate Cockatoo.
- ST. MORITZ KURVEREIN, The Director of The. 3 Alpine  
Marmots.
- ST. QUINTIN, Mr. W. H., F.Z.S. 1 Hybrid Chilian and  
Chestnut-breasted Teal, 3 Hybrid Japanese and  
Common Teal, 2 Falcated Ducks.
- SALMON AND TROUT Association, The. 3 Common Trout,  
4 Trout Fry, 5 Salmon Fry, 3 Grayling.
- SALTER, Mr. H. W. 1 Greater Sulphur-crested Cockatoo.
- SALTMARSH, Miss Violet. 1 Green Turtle.
- SCALIA, Countess Maria Marchgo. 1 Orange Weaver-  
bird, 1 Field Saffron Finch.
- SCOTT, Mr. Percy M., F.Z.S. 2 European Tree Frogs,  
1 Wall Lizard, 1 Crested Newt.
- SEVASTOPULO, Mr. G. D. 4 Common Wall Lizards.



- SEVASTOPULO, Mrs. G. D. 1 Red Squirrel.  
 SEWARD, Capt. Percy W. 2 Badgers.  
 SHELLEY, Mr. William J. 1 Madras Langur.  
 SHIRLEY, Dr. Herbert J., C.M.G., F.Z.S. 1 Slowworm.  
 SIMNER, Commander Gordon L., R.N.R. 3 Stump-tailed  
 Lizards.  
 SIMSON, Capt. Rupert. 4 Bronze-winged Finches, 4 Cut-  
 throat Finches, 3 Zebra Finches, 4 Shining Weaver-  
 birds.  
 SLADE, Mr. E. A. 1 Rose-crested Cockatoo.  
 SMITH, Mr. C. 1 Moorhen.  
 SMITH, Mr. E. A. 1 Abyssinian Cercopitheque.  
 SMITH, The Rev. E. Austen. 2 Silkie Fowls.  
 SMITH, Dr. Malcolm Arthur, F.Z.S. 1 Siamese Crocodile,  
 1 Reticulated Python, 2 Tentacled Snakes.  
 SMITH, Mr. W. A. 1 White-nosed Coati.  
 SMITHERS, Mr. Wilfrid A., C.M.Z.S. 1 Brown Capuchin,  
 2 Pig-like Cavies, 4 Talpacoti Doves, 2 Pelzeln's  
 Saffron Finches, 1 Broad-snouted Cayman.  
 SMYTH, Mr. A. B. 1 Guillemot.  
 SOLLY, Mr. John. 1 Water Rail.  
 SPEED, Mr. HEDLEY. 1 Grey Singing Finch.  
 STANESBY, Mr. G. 1 Mozambique Cercopitheque.  
 STANLEY, Mr. Harry. 2 Basilisk Chameleons.  
 STONE, Mr. Stanley. 1 Senegal Touracou.  
 STRANGWAY, Mr. H. Fox. 2 Andean Geese.  
 STRICKLAND, Miss A. W. 1 Common Marmoset.  
 STRONG, Mrs. E. 1 Greater Sulphur-crested Cockatoo.  
 STUTTER, Master Leslie G. 1 Rhesus Macaque.  
 SUMMERS, Mr. E. 1 Alexandrine Parrakeet.  
 SYCAMORE, Mr. D. W. 1 Burnett's Cercopitheque.  
 TAIT, Mr. W. C., F.Z.S. 1 Spanish Raven.  
 TALBOT-PONSONBY, Mr. C. G. 1 Egyptian Goose,  
 1 Canada Goose, 1 Grey Lag Goose, 1 Ring-necked  
 Pheasant, 12 Common Pheasant Eggs.  
 THOMAS, Mrs. 1 Green Cercopitheque.  
 THOMPSON, Mrs. G. M. 2 Tawny Owls.  
 THWAITES, Mr. L. 5 Common Vipers.  
 TILNEY, Mrs. A. 1 Barbary Turtle Dove.  
 TINDALL, Mr. W. 1 Leadbeater's Cockatoo.  
 TOWNSEND, Capt. P. S., R.N. 4 Gold Pheasants.  
 TREWBY, Mrs. Alice. 1 Grey Parrot.  
 TRIBE, Mr. Albert F. 1 Larger Hill-Mynah.



- TUFTON, Lady Ierne. 1 Gold Pheasant.  
 TURNER, Mr. A. Bambrough. 1 Rhesus Macaque.  
 TWIST, Mr. Cecil J. 2 Common Badgers.  
 UNWIN, Dr. F. A., F.Z.S. 2 Common Foxes.  
 VAROUNIS, Mr. George E. 1 Rhesus Macaque, 1 Bonnet Macaque.  
 WADE, Mr. John. 1 Kestrel.  
 WADHAMS, Mrs. A. M. 1 Little Owl.  
 WAECHTER, Lady Josephine, F.Z.S. 2 Maxwell's Duikers.  
 WARBURG, Masters E. J. and R. 4 Common Lizards, 10 Crested Newts, 5 Smooth Newts.  
 WEBSTER, Miss Grace. 1 Blue-fronted Amazon.  
 WEBSTER, Mr. John E. 1 Little Bittern.  
 WESTRAY, Mrs. Isabel Renshaw. 2 Red and Blue Macaws.  
 WHITE, Mr. F. W. 1 Red-crested Cardinal, 2 Slowworms.  
 WHITEHEAD, Mr. R. A. 1 American Milk Snake.  
 WIDDOWSON, Mr. Ernest. 1 Little Owl.  
 WIDDOWSON, Mrs. M. E. 1 Algerian Tortoise.  
 WILKINSON, Mrs. G. J. 1 Orange-winged Amazon.  
 WILLEY, Dr. Arthur, D. Sc., F.R.S., F.Z.S. 8 Necturus.  
 WILLIAMS, Mrs. Caradoc. 1 Senegal Touracou.  
 WILLOCK, Mr. Albert G. 1 Patas Cercopitheque.  
 WILLS, Mr. W. 1 Lesser White-nosed Cercopitheque.  
 WILLSHEARE, Mr. W. 1 Rhesus Macaque.  
 WINTER, Mr. T. W. 2 Chameleon Fish.  
 WISEMAN, Mr. T. 1 Common Macaque.  
 WOODS, Mr. H. F. G. 1 Guillemot.  
 WOODS, Mr. J. 1 Common Snake.  
 WOODS, Mr. Arthur R. T. 10 Ornamented Ceratophrys.  
 ZOOLOGICAL SOCIETY, NEW YORK. 2 Racoons, 1 Timber Wolf, 1 Tree Porcupine, 2 Virginian Deer, 2 Virginian Opossums, 1 White-throated Sparrow, 2 Gambel's Sparrows, 2 Lark Sparrows, 4 Song Sparrows, 4 Fox Sparrows, 4 American Tree Sparrows, 2 Red-eyed Ground Finches, 2 Californian Ground Finches, 4 American Goldfinches, 4 Mexican Goldfinches, 11 Bluebirds, 3 American Robins, 1 Red-eyed Vireo, 2 Red-winged Blackbirds, 1 Black-capped Tit, 3 Myrtle Warblers, 4 Rose-breasted Grosbeaks, 2 Mexican Grosbeaks, 2 Brazilian Blue Grosbeaks, 3 Purple Finches, 2 Red Tanagers, 1 Black Tanager, 2 Blue Tanagers, 2 Crimson-backed Tanagers, 3 Indigo Buntings, 4 Pine Siskins, 4 Mealy Redpolls,



3 Snowbirds, 1 Red-crested Cardinal, 1 Red-headed Cardinal, 2 Virginian Cardinals, 1 Grey Struthidea, 2 Wilson's Thrushes, 2 Olive-backed Thrushes, 2 Collared Jay Thrushes, 1 Bobolink, 2 Cowbirds, 4 Pekin Robins, 6 Baltimore Orioles, 2 Orchard Orioles, 5 Purple Grackles, 1 Mexican Hangnest, 2 Blue Jays, 1 Yucatan Jay, 1 San-blas Jay, 2 Catbirds, 1 Blue Solitaire, 1 Carthaginian Motmot, 1 Military Macaw, 2 Quaker Parrakeets, 2 Banded Aracaris, 1 Sulphur-breasted Toucan, 2 Picazuro Pigeons, 2 Naked-eyed Pigeons, 2 Crested Pigeons, 2 Bronze-winged Pigeons, 2 Carolina Doves, 2 Inca Doves, 2 Diamond Doves, 2 Red-winged Doves, 2 Passerine Ground Doves, 1 Scarlet Ibis, 2 White Ibises, 2 Roseate Spoonbills, 2 Snowy Egrets, 1 Northern Boatbill, 1 Jabiru Stork, 2 Double-striped Thicknees, 2 Gambel's Quails, 2 Columbian Crested Colins, 2 Texan Colins, 1 Sun Bittern, 1 Derbian Screamer, 2 Cayenne Rails, 1 American Coot, 2 American Scops Owls, 2 Virginian Eagle Owls, 1 Red-tailed Buzzard, 4 Wild Muscovy Ducks, 2 Dusky Ducks, 2 American Wigeons, 6 Canada Geese, 2 Snow Geese, 1 Pacific Gull, 1 Western Gull, 2 Laughing Gulls, 2 Brown Pelicans, 2 American Black Snakes, 2 American Milk Snakes, 2 Chicken Snakes, 2 Moccasins, 2 Copperheads, 2 Horrid Rattlesnakes, 4 Bull Frogs, 5 American Green Frogs, 6 American Toads.

#### ACCOUNTS.

28. STATE OF THE FINANCES.—The Report of the Auditors of the Accounts for 1920 is issued to Fellows, bound with this report.

29. ASSETS 1919 AND 1920.—The Total Assets of the Society amounted to £108,171 10s. 8d., a decrease of £3,178 17s. 0d. on the corresponding figures for 1919. This is due to the nature of our tenure of the gardens, which prevents us from including amounts spent on new buildings and other structural improvements among our assets.

30. LIABILITIES 1919 and 1920.—The cash and contingent liabilities amounted to £12,945 8s. 2d., a



decrease of £10,650 3s. 10d. on the corresponding figures for 1919, due chiefly to the smaller amount reserved for contracts not completed.

31. BALANCE 1919 AND 1920.—The balance, a surplus of assets over liabilities, amounted to £95,226 2s. 6d., an increase of £7,471 6s. 10d. over the corresponding figure for 1919, and representing the difference between the decrease in assets (paragraph 29) and decrease in liabilities (paragraph 30).

32. INCOME 1919 AND 1920.—There was again an increase in the income for 1920, due chiefly to increase in the numbers of visitors to the gardens.

33. EXPENDITURE 1919 AND 1920.—There are very few heads under which there was not an increase. It was found necessary to increase the wages of the staff by a further 13s. weekly in the case of adults, and 6s. 6d. weekly in the case of those under 18. These increases were in addition to the permanent rises of £1 and 10s. granted in 1919 and are regarded as a bonus to be reconsidered if prices shall fall.

34. GENERAL STATE OF THE FINANCES.—The Council have good reason to be gratified with the general financial position of the Society. The income from nearly every source has risen rapidly, and the negotiable reserves have increased.

35. 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 By-laws, the arrangement and supervision of the Society's Scientific Publications.

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, N.W. 8,

March 16th, 1921.



REPORT OF THE COMMITTEE OF AUDITORS OF THE ACCOUNTS  
OF THE  
ZOOLOGICAL SOCIETY  
OF LONDON,

APPOINTED 19th JANUARY, 1921.

The Committee of Auditors of the Zoological Society of London, appointed on 19th January, 1921, submit to the Society the annexed Statement of Accounts for the year ended 31st December, 1920.

We have pleasure in reporting that we have examined the Statement of Accounts of the Society at 31st December, 1920, with the books of the Society, that we have verified the balances in the Bankers' hands and that in our opinion the Balance Sheet exhibits a correct view of the general state of the Funds of the Society according to the best of our information and the explanations given to us and as shewn by the Books of the Society.

The Accounts for the year have been audited in detail by Mr. W. B. Keen, Chartered Accountant, and his certificate is appended thereto. The Accounts of the Refreshment Department for the year ended 25th September, 1920, have been separately audited by Messrs. Edward Moore and Sons, and submitted to the Committee of Auditors, appointed on 21st January, 1920, and the results are incorporated in the Accounts now submitted.

It will be seen that the excess of Expenditure over Income has been £2,009 10s. 6d., which is arrived at after charging expenditure to the amount of £7,369 18s. 1d. excess of amounts set aside last year for new works, and after transferring to the Refreshment Room Rebuilding Fund the sum of £3,000, which Fund now stands at £13,562 17s. 8d. There is also charged £223 15s. 8d., Interest on Loan from the Bankers for the new buildings, which Loan has been reduced this year by £2,000, leaving a balance of £5,000 still outstanding, for which the Bankers hold security.

The Balance standing to the credit of the Old Composition Fund, amounting to £100, has been transferred to Income and Expenditure Account. The New Composition Fund has been increased by Composition Fees received amounting to £810. This Fund now stands at £10,305 and is separately invested, the Income therefrom being carried to the Income and Expenditure Account.

The Investments in:—

£1,017 14s. 2d. West Australia 4% Stock, 1942/62.  
£312 17s. 1d. New South Wales 4% Stock, 1942/62.  
£5,615 13s. 4d. India 3½% Stock.  
£1,443 19s. 1d. London County Council 3½% Stock.  
£1,610 16s. 8d. Consolidated 2½% Stock.  
£18,074 9s. 0d. War Stock 5%.  
£3,800 0s. 0d. Exchequer Bonds 5½%, 1925.  
£756 15s. 0d. National War Bonds 5%, 1927.

which appear among the Assets in the Balance Sheet at the cost price of £29,790 17s. 4d., were at 31st December, 1920, of the value of £24,823 7s. 1d., shewing a depreciation of £4,967 10s. 3d. The sum of £2,920 10s. 6d. had been provided to meet depreciation to 31st December, 1919, and a further sum has now been set aside, bringing the Reserve up to £4,967 10s. 3d.

FREDERICK W. CLARK (*Chairman*).  
FREDERIC B. BUNNY (*Col.*).  
STANLEY EDWARDS.  
JULIUS GARRATT.  
CHARLES H. GITTENS.  
JAMES F. OCHS (*Capt.*).  
JOHN E. SAUNDERS.

Zoological Society of London,  
Regent's Park, N.W. 8.  
24th February, 1921.



Corresponding figures 31st Dec., 1919.			<i>LIABILITIES.</i>						
£	s.	d.		£	s.	d.	£	s.	d.
4,331	18	1	To Sundry Creditors for Rent, Taxes, Printing, &c.				5,538	0	5
			„ Messrs. Drummond—						
			Loan Account ... ..	7,000	0	0			
			<i>Less</i> Paid off during year ... ..	2,000	0	0			
7,000	0	0					5,000	0	0
483	17	0	„ Subscriptions received in advance ... ..				550	6	0
			„ Davis Trust Fund—						
			Dividends on Investment, payable to Editor of “Zoological Record”— ... ..				53	4	0
54	3	0							
			„ RESERVES FOR WORKS, &c.:—						
			Waders Aviary ... ..	£1,854	10	6			
			<i>Less</i> Expenditure during year ... ..	50	12	9			
11,725	13	11					1,803	17	9
			„ BALANCE, BEING EXCESS OF ASSETS OVER LIABILITIES, viz.:—						
			Composition Fund (not separately invested)—						
			Balance at 1st January, 1920 ... ..	£100	0	0			
			<i>Less</i> Amount transferred to Revenue ... ..	100	0	0			
100	0	0							
			„ New Composition Fund (separately invested)—						
			Balance at 1st January, 1920 ... ..	£9,495	0	0			
			<i>Add</i> —						
			18 Fees at £45 re- ceived during year ... ..	810	0	0			
9,495	0	0					10,305	0	0
			„ General Purposes—						
			Balance at 1st January, 1920 ... ..	£61,389	17	8			
			<i>Less</i> Excess of Expendi- ture over Income ... ..	2,009	10	6			
				59,380	7	2			
			<i>Add</i> Increase in value of total stock of Animals ... ..	3,167	15	0			
61,389	17	8					62,548	2	2
			„ Animal Insurance and Purchase Fund—						
			As at 1st January, 1920 ... ..	£1,143	8	6			
			<i>Add</i> Interest received ... ..	28	4	0			
				1,171	12	6			
			<i>Less</i> Insurance Premium on Poth's Collection ... ..	29	0	1			
1,143	8	6					1,142	12	5
£95,723	18	2	Carried forward ... ..	£73,995	14	7	12,945	8	2



Corresponding  
figures  
31st Dec., 1919.

ASSETS.

	£	s.	d.		£	s.	d.	£	s.	d.
d.										
5				By Animals in Menagerie at Regent's Park at 31st December, 1919, estimated at ... ..	12,357	0	0			
				Add Net Increase in value at 31st December, 1920 ... ..	3,167	15	0			
0	12,357	0	0					15,524	15	0
0	2,122	2	11	„ Plant and Fittings in Refreshment Department (as per last Balance Sheet) ... ..				2,122	2	11
	30,000	0	0	„ Freehold Property at Hanover Square (as per last Balance Sheet) ... ..				30,000	0	0
0	...			„ Fittings in Buildings and Enclosures at the Gardens, Regent's Park (not valued) ...				...		
	23,480	15	0	„ Books in Library (as per last Balance Sheet) ... ..				23,480	15	0
	500	0	0	„ Unsold Publications as at 31st December, 1906...				500	0	0
9	500	0	0	„ Stock of "Zoological Record" as at 31st December, 1913 ... ..				500	0	0
	...			„ Stock of Official Guides ... ..				1,000	0	0
	50	0	0	„ Petrol Users and Traders Supply, Ltd., 50 Shares of £1 each ... ..				50	0	0
				„ Debts due to the Society (since received or con- sidered good)—						
				Rent of Freehold Property, Hanover Square	300	0	0			
				Rent for Bath Chairs ... ..	2	10	0			
				Arrears of Fellowship Subscriptions, £147, estimated to realise ... ..	39	0	0			
				Arrears of Fellowship Admission Fees, £220, estimated to realize ... ..	220	0	0			
				Publication Sales ... ..	165	10	5			
				"Zoological Record" Sales ... ..	45	10	9			
				Sundry ... ..	244	9	11			
	1,142	2	10					1,017	1	1
	405	18	9	„ Rates and Insurance paid in advance ... ..				578	11	6
				„ Investments of New Composition Fund, at Cost:						
				£1,443. 19s. 1d., London County 3½ per cent. Stock ... ..	1,440	0	0			
				£5,615. 13s. 4d. India 3½ per cent. Stock ...	5,205	0	0			
				£3,925. 8s. 7d. 5 per cent. War Stock ...	3,615	0	0			
	9,150	0	0					10,260	0	0
	1,000	0	0	„ Investment on Account of Animal Insurance and Purchase Fund, at Cost, £1,610. 16s. 8d. 2½ per cent. Consolidated Stock ... ..				1,000	0	0
2	£80,707	19	6	Carried forward ... ..				£86,033	5	6



Corresponding  
figures,  
31st Dec., 1919.

*LIABILITIES.*

£	s.	d.		£	s.	d.	£	s.	d.
95,723	18	2					73,995	14	7
			Brought forward ... ..				12,945	8	2
			To Refreshment Room Rebuilding Fund—						
10,562	17	8	As at 1st January, 1920 ...	10,562	17	8			
			<i>Add</i> amount set aside out of Refreshment Depart- ment Profits 1920 ...	3,000	0	0			
							13,562	17	8
			„ Refreshment Department—						
			Depreciation Fund, as at 1st January, 1920... ..	2,100	0	0			
			<i>Add</i> further Transfer out of profits for year to 30th Sept., 1920, to be paid over	300	0	0			
				2,400	0	0			
			Amount retained for Working Capital ... ..	300	0	0			
2,143	1	4					2,700	0	0
			„ Reserve for Depreciation of Investments—						
			(As per last Balance Sheet)...	2,920	10	6			
			<i>Add</i> Further amount set aside at 31st December, 1920 ... ..	2,046	19	9			
2,920	10	6					4,967	10	3
									95,226
									2
									6
111,350	7	8							
			185 12 11 To Reserved Wages Account (per contra)—						
<u>£111,536</u>	<u>0</u>	<u>7</u>					<u>£108,171</u>	<u>10</u>	<u>8</u>



Corresponding figures, 31st Dec., 1919.

ASSETS.

£	s.	d.		£	s.	d.
80,707	19	6	Brought forward ... ..	86,033	5	6
			By Investment of Refreshment Room Rebuilding Fund, at Cost, £1,017. 14s. 2d. West Australia 4 per cent. Stock ... ..	1,000	0	0
			£11,320. 8s. 7d. 5 per cent. War Stock ... ..	10,062	17	8
10,562	17	8	£2,500 5½ per cent. Exchequer Bonds, 1925	2,500	0	0
				13,562	17	8
			„ Investment on Account of Refreshment Department Depreciation Fund, at Cost, £312. 17s. 1d. New South Wales 4 per cent. Stock ... ..	300	0	0
			£300 5¾ per cent. Exchequer Bonds, 1925 ... ..	300	0	0
1,800	0	0	£1,628. 11s. 10d. 5 per cent. War Stock ... ..	1,500	0	0
				2,100	0	0
			„ Refreshment Department Current Assets at 1st January, 1921—			
			To be Invested ... ..	300	0	0
343	1	4	Retained for Working Capital ... ..	300	0	0
				600	0	0
			„ Investment on Account of Depreciation of Investments Fund, at Cost, £1,000 5¾ per cent. Exchequer Bonds, 1925 ... ..	1,000	0	0
			£1,200 5 per cent. War Stock... ..	1,140	0	0
			£756. 15s. 0d. 5 per cent. National War Bonds, 1927 ... ..	727	19	8
2,140	0	0		2,867	19	8
15,253	17	8	„ Cash at Bank, General Account ... ..	2,766	11	5
54	3	0	„ Cash at Bank, Davis Trust Fund ... ..	53	4	0
143	8	6	„ Cash at Bank, Animal Insurance and Purchase Fund ... ..	142	12	5
345	0	0	„ Cash at Bank, New Composition Fund ... ..	45	0	0
				3,007	7	10
111,350	7	8				
185	12	11	By Reserved Wages Account (per Contra)—			

£111,536 0 7

£108,171 10 8



## INCOME AND EXPENDITURE

FOR THE YEAR ENDED 31st

Corresponding  
figures,  
31st Dec., 1919.

## INCOME.

£	s.	d.		£	s.	d.	£	s.	d.
1,565	0	0	Admission Fees (New Fellows)	...	...	...	2,360	0	0
11,215	0	0	Subscriptions (Fellows)	...	...	...	12,076	0	0
			Compositions—						
			Balance of uninvested Funds transferred in						
150	0	0	respect of the year—	...	...	...	100	0	0
1,000	15	9	Dividends and Interest received	...	...	...	1,273	5	5
151	4	3	Sale of Animals, &c.	...	...	...	280	12	4
1,000	0	0	Rent of Refreshment Rooms	...	...	...	1,000	0	0
11	0	0	Rent of Bath Chairs	...	...	...	11	0	0
			Rent, Hanover Square	...	...	...	1,200	0	0
			Less Income Tax	...	...	...	360	0	0
1,200	0	0					840	0	0
44,491	12	5	Admissions to Gardens...	...	...	...	49,334	18	1
1,269	0	3	Riding Receipts...	...	...	...	1,637	17	10
			Sale of Official Guides and Postcards	...	...	...	3,992	2	7
			Less Expenses, Printing, &c.	...	...	...	2,777	2	10
							1,214	19	9
			Add Stock on hand—estimated...	...	...	...	1,000	0	0
1,339	14	6					2,214	19	9
402	8	11	Lavatories	...	...	...	484	1	8
119	1	3	Sale of "Zoological Records"	...	...	...	361	16	1
			Sale of Transferable Ivory Tickets and Photo-						
149	5	0	graphers' Permits	...	...	...	68	15	0
6	19	2	Miscellaneous Receipts...	...	...	...	4	1	4
6,768	18	8	Refreshment Department Profit to September 25th, 1920	...	...	...	4,854	10	6
106	1	7	Utility Animals	...	...	...	—		
261	13	3	Income Tax deducted from Dividends, recovered	...	...	...	—		
79	7	8	Rat Exhibition	...	...	...	—		
			Lectures and Demonstrations:—						
			Grants from London County Council	...	...	...	100	0	0
			Less Working Expenses	...	...	...	82	19	0
							17	1	0
1,377	10	4	Balance, being excess of Expenditure over Income, carried to Balance Sheet	...	...	...	2,009	10	6

£72,664 13 0

Carried forward

£78,928 9 6



# EXPENDITURE ACCOUNT.

43

31st DECEMBER, 1920.

Corresponding  
figures,  
31st Dec., 1919.

## EXPENDITURE.

Corresponding figures, 31st Dec., 1919.			EXPENDITURE.			
£	s.	d.		£	s.	d.
2,540	7	5	Rent, Rates, Taxes and Insurance, Gardens ...		3,108	15 5
			Amount set aside for Insurance and Purchase of			
31	10	0	Animals Fund ... ..			—
277	10	0	Property Tax, Refreshment Department ... ..		277	10 0
12,063	16	0	Salaries, Staff and Keepers, Gardens ... ..		14,474	15 11
3,068	11	6	Do. Office ... ..		3,180	18 2
907	6	0	Pensions, Gardens ... ..		1,105	11 0
150	0	0	Do. Office ... ..		381	10 0
8,755	7	8	Provisions, including Storekeeper's Wages ...		10,505	7 5
3,343	0	10	Cost and Carriage of New Animals ... ..		4,696	14 2
			<b>Menagerie Expenses:—</b>			
1,312	3	3	Fuel ... ..	2,279	4	3
322	8	7	Straw ... ..	292	1	7
872	4	5	Water ... ..	963	17	0
633	4	9	Keepers' Uniforms ... ..	735	5	2
239	17	11	New Cages, Fittings, &c. ... ..	279	0	2
173	2	1	Sand, Sawdust, Turf, &c. ... ..	189	13	6
5	5	0	Medical Attendance ... ..	22	18	4
134	12	7	Labels and Drawings ... ..	93	0	7
295	0	0	Garden Seats ... ..			—
10	14	3	Sanatorium and Veterinary Expenses	14	3	1
150	14	3	Cart repairs, Saddlery, &c. ... ..	35	7	11
354	4	11	Net Cost of Upkeep of Motors ... ..	291	0	7
215	15	9	Cleaning Materials and Disinfectants	241	8	2
50	0	0	Refuse removal ... ..	50	0	0
41	3	9	Police Attendance ... ..	63	11	0
151	10	2	Gas and Repairs to Ventilating Engine	177	19	11
69	7	2	Sundries ... ..	61	1	10
5,031	8	10			5,789	13 1
			<b>Prosectorium Expenses:—</b>			
			Salaries ... ..	999	7	9
			Chemicals, Apparatus, &c. ... ..	214	10	6
518	19	10			1,213	18 3
			<b>Maintenance of Buildings, Paths, &amp;c., Gardens:—</b>			
			Wages ... ..	5,130	17	10
			Materials, &c. ... ..	3,975	9	9
6,848	19	0			9,106	7 7
			<b>Gardeners' Expenses:—</b>			
			Wages ... ..	3,104	4	1
			Seeds, Plants, Implements, &c. ... ..	296	2	2
2,717	3	9			3,400	6 3
219	1	0	Advertisements ... ..		213	18 6
310	2	5	Band Expenses (net cost) ... ..		327	17 11
317	4	7	Fuel, Light, &c., at Superintendent's and Keepers' Offices and Houses at Gardens ... ..		415	1 7
£47,100	8	10	Carried forward ... ..		£58,198	5 3



Corresponding  
Figures,  
31st Dec., 1919.

*INCOME.*

£ s. d.  
72,664 13 0

Brought forward ... ..

£ s. d.      £ s. d.  
78,928 9 6

£72,664 13 0

Carried forward . . .

£78,928 9 6



Corresponding  
Figures,  
31st Dec., 1919.

EXPENDITURE.

d.	£	s.	d.		£	s.	d.	£	s.	d.
6	47,100	8	10	Brought forward ... ..				58,198	5	3
				House and Office Expenses, Central Office:—						
				Wages of Housekeeper, Servants and Messengers	527	2	4			
				Uniforms ... ..	20	16	10			
				Fuel, Light and Water ... ..	111	7	6			
				Telephone ... ..	30	17	10			
				Postage and Parcels, etc. ... ..	326	7	9			
				Refreshments at Scientific Meetings, etc. ...	43	11	11			
				Rates, Taxes and Insurance ... ..	334	3	11			
				Books of Reference ... ..	16	15	0			
				Repairs, Office Fittings and Appliances ...	100	19	7			
				Sundries ... ..	36	6	10			
	1,320	0	2					1,548	9	6
	565	15	5	Stationery and Miscellaneous Printing ... ..				1,167	7	7
				Preparation and Printing of "Zoological Record" ...	1,473	12	5			
				Less Transfer from Davis Fund ... ..	53	4	0			
					1,420	8	5			
				Less Subscriptions to Vols. 54 and 55 received	201	0	0			
	834	19	8					1,219	8	5
				Library Expenses:—						
				Salaries ... ..	396	18	5			
				Books and Binding ... ..	331	6	5			
	669	3	11					728	4	10
	32	5	0	Law Expenses ... ..				75	2	6
	40	0	0	Scientific Grants ... ..				140	0	0
	302	15	4	Interest on Loan at 4 per cent. per annum ...				223	15	8
	727	19	8	Reserve for Depreciation of Investments ... ..				2,046	19	9
	186	16	10	Installation of Cinematograph and Working Expenses ... ..				339	17	0
	29	14	11	Lectures and Demonstrations—Expenses ... ..				—		
				Cost of Publications ... ..	1,622	10	1			
				Less Subscriptions and Sales ... ..	725	7	6			
	60	17	0					897	2	7
				Miscellaneous Payments:—						
	265	15	0	War Memorial ... ..	56	18	9			
				Service Gratuity ... ..	50	0	0			
				Miscellaneous ... ..	12	9	1			
	24	2	7					119	7	10
	100	0	0	Godman Memorial Fund, Donation ... ..				—		
	225	0	0	Honorary Life Fellowship Fees paid to New Composition Fund ... ..				—		
6	£52,485	14	4	Carried forward ... ..				£66,704	0	11



Corresponding  
Figures,  
31st Dec., 1919.

£ s. d.

72,664 13 0

*INCOME.*

Brought forward ... ..

£ s. d.  
78,928 9 6

£72,664 13 0

£78,928 9 6

DAVIS T

£1,900 *London and South Western Railway*

£53 4 0 Dividends ... ..

£53 4 0

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

23, Queen Victoria Street, E.C. 4  
21st February, 1921.



Corresponding  
Figures,  
31st Dec., 1919.

EXPENDITURE.

£	s.	d.		£	s.	d.	£	s.	d.
52,485	14	4	Brought forward				66,704	0	11
Expenditure on Works, etc. :—									
			New Tunnel	11,129	12	1			
			Less Reserve	3,500	0	0			
							7,629	12	1
			North Bank	1,734	16	0			
			Less Reserve	1,400	0	0			
							334	16	0
			Insect House, Electric Lighting	266	10	0			
			Less Reserve	110	0	0			
							156	10	0
			Purchase of Animals	500	0	0			
			Less Reserve	500	0	0			
			Lavatory, Mappin Terrace	3,155	19	7			
			Less Reserve	2,847	0	7			
							308	19	0
							8,429	17	1
			Less Planning Terraces, etc.						
			—Reserve	3,368	13	4			
			Deduct Expenditure	2,308	14	4			
							1,059	19	0
13,410	0	0					7,369	18	1
3,268	18	8	Amount reserved for Works, etc.—Waders' Aviary, etc. (Proportion of Refreshment Department Profit)				1,854	10	6
			Transfer to Refreshment Room Rebuilding Fund (Balance of Refreshment Department Profit)				3,000	0	0
3,500	0	0							
<u>£72,664</u>	<u>13</u>	<u>0</u>					<u>£78,928</u>	<u>9</u>	<u>6</u>

TRUST FUND.

New 4 per cent. Preference Stock.

£53	4	0	Payable to Editor of "Zoological Record"	£53	4	0
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Society for the year ended 31st December, 1920, 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 explanations and

W. B. KEEN,  
Chartered Accountant.