

# REPORTS

OF THE

COUNCIL AND AUDITORS

OF THE

# ZOOLOGICAL SOCIETY

OF LONDON,

FOR THE YEAR 1921.

PREPARED FOR THE ANNUAL GENERAL MEETING,

TO BE HELD ON

FRIDAY, APRIL 28<sup>TH</sup>, 1922.

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# REPORT OF THE COUNCIL

*for the year ending 31st December, 1921.*

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## ANNUAL GENERAL MEETING.

1. The Ninety - third Annual General Meeting of the Society will be held on Friday, April 28th, 1922, 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 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. ROLL OF MEMBERS.—The number of Fellows and Fellows Elect on January 1st, 1921, was 5,105, and on January 1st, 1922, was 5,234.

	1920.	1921.
Compounders at £30 ... .. (Elected before 1906)	665	628
Compounders at £45 .. .. (Elected since 1905)	197	207
Compositions remitted ... ..	35	34
Paying annually £3 ... ..	3,995	4,147
Dormant (paying £1 since 1911)... ..	155	170
Do. subscriptions remitted... ..	14	14
Admission Fees unpaid ... ..	44	34
	5,105	5,234

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

Dr. George Ossian Sars, Zootomical Institute, The University, Christiania, Norway.

H.R.H. Prince Albert of Monaco, The Palace, The Principality of Monaco.

5. CORRESPONDING MEMBERS.—The following were elected to fill vacancies in the List of Corresponding Members during 1921:—

Monsieur Henri Gadeau de Kerville, Saint Paër, Seine Inférieure, France.

Dr. Jacques Pellegrin, Musée d'Histoire Naturelle, Paris, France.

Guy C. Shortridge, Esq., Director of the Museum, King William's Town, South Africa.

Bernard C. Ellison, Esq., Curator of the Bombay Natural History Society, Bombay, India.

S. H. Prater, Assistant Curator of the Bombay Natural History Society, Bombay, India.

Charles B. Davenport, Esq., Cold Spring Harbor, Long Island, U.S. America.

Prof. Marcellin Boule, Musée d'Histoire Naturelle, Paris, France.

Prof. George Herbert Carpenter, 61, Grosvenor Road, Rathmines, Dublin.

6. IMPERIAL FELLOWS:—A first list of names has been drawn up by the Council, but it was thought proper to ascertain the pleasure of the distinguished persons in question before proposing them to a General Meeting of the Society in accordance with the By-laws.

7. LIST OF FELLOWS.—A revised edition will be published during the Summer of 1922. Any corrections should be sent to the Secretary before April 30th, 1922.

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 1921, each course being arranged for 150 School Teachers, although a smaller number took advantage of the opportunity. Each course consisted of four 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.

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 1922 began on March 25th.

9. MEDALS.—The Society's Silver Medal was granted to:—

H.E. Captain Cecil H. Armitage, C.M.G., D.S.O., F.Z.S., Governor of the Gambia: "For many valuable gifts to the Society's Collection, 1904—1921."

Mr. John Young, Head Gardener, 1881—1921: "For his long and valuable services to the Society."

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 £50 to the Bombay Natural History Society towards its survey of the Mammalian Fauna of British India.

11. 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.

12. SCIENTIFIC PUBLICATIONS.—The *Abstract* was issued as usual. The *Transactions*, suspended during the war, have not yet been resumed. Of the *Proceedings*, Part IV of 1920 was issued on January 15th, 1921; Part I of 1921, on April 2nd, 1921; Part II on July 8th, 1921; Part III on September 9th, 1921, and Part IV on January 15th, 1922. The irregularity in publication which could not be avoided during the war, has now ceased.

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

		Plates.		Pages.
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
1921	...	35	...	887

13. ZOOLOGICAL RECORD.—Further progress has been made in dealing with the arrears due to the war. Volume fifty-six, containing the literature of 1919, was published

on November 3rd, 1921; volume fifty-seven, dealing with the literature of 1920, is in the Press, under the competent editorship of Dr. David Sharp, F.R.S.

The Council have given anxious consideration to the future of the Record. In the hope of arranging to continue its publication, a wide circulation has been given to the following "Historical Statement," and Request for Subscriptions to the volumes. The returns from these cannot be expected to be complete for some time, but in the hope that they will justify publication, the work of compilation of volume 58, dealing with the literature of 1921, is being carried on under the editorship of Mr. W. L. Sclater, F.Z.S.

### "THE ZOOLOGICAL RECORD."

#### HISTORICAL STATEMENT.

The *Zoological Record* was founded in 1864 by English zoologists, chiefly connected with the British Museum (Natural History) and the Zoological Society of London. The first five volumes were issued by Van Voorst, a London publisher, but as the enterprise was unprofitable, he abandoned it. Volumes 6 to 22 were issued by the Zoological Association, a private body of zoologists, aided by grants from the British Association, the Royal Society, and the Zoological Society. In 1886, this Association, through failure of support, was unable to continue, and the Zoological Society, unwilling that the publication should lapse, undertook the sole responsibility for issuing the annual volumes.

In 1900 the *International Catalogue of Scientific Literature* was founded under the auspices of the Royal Society. One of the thirteen volumes of its annual issues (N., Zoology) dealt with Zoology and covered the same ground as the *Zoological Record*. Clearly this was a waste of effort, and after long consideration and negotiation, an arrangement was reached by the *International Catalogue* and the Zoological Society for the joint production of the Annual Volume of Zoological Bibliography. The volumes were to be published with two title pages, one in series with the *International Catalogue*, the other with the *Zoological*

*Record*, so that in the event of the joint action ceasing, either party might continue their issues in unbroken series.

The joint production began with the volume dealing with the literature of 1906 (*International Catalogue* (N., Zoology) 6th Annual Issue, *Zoological Record*, Vol. XLIII) and continued up to and including the volume for 1914 (*International Catalogue* 14, *Zoological Record* LI).

The Royal Society was then unable to undertake responsibility for further issues of the *International Catalogue*. The Zoological Society, unwilling that the series should be broken, continued the production of the Zoology volumes at an annual cost which rose from £860 for the 1915 volume to £1,315 for 1918. These figures do not show the true gravity of the position, for the bulk of literature produced during the war was much below the normal, and the annual volumes were therefore smaller. The cost will be much greater for the 1919 and 1920 volumes, and that for 1921 is estimated to exceed £2,000. The Zoological Society has undertaken the cost of the 1919 and 1920 volumes, but will be unable to continue the issue of this useful work unless it is assured that a sufficient number of copies will be subscribed for. It is prepared for some annual loss, and would regard that as part of its contribution to the advancement of knowledge, but it must be assured of the existence of an adequate demand for the publication. The proposed issues, from 1921 onwards, will follow the existing arrangement and *format* closely.

P. CHALMERS MITCHELL,  
*Secretary.*

“THE ZOOLOGICAL RECORD.”

REQUEST FOR SUBSCRIPTIONS.

The Annual Volumes of the *Zoological Record* from 1864 to 1920 (from 1906 to 1914 inclusive, identical with the annual volumes, N. Zoology, of the *International Catalogue of Scientific Literature*), have provided a complete annual bibliography of the separate works and memoirs in periodicals, published in regard to Zoology during the year to which each volume relates.



The matter is arranged in Divisions, dealing with the main sections of Zoology, and there is also a general list of all the new generic and specific names recorded. Each Division consists of a list of titles arranged under the names of authors, and of a comprehensive Subject and Systematic index to the contents of the works and memoirs. Specimen pages and a brief historical account of the Record are enclosed.

The Royal Society of London found itself unable to proceed with the volumes of the International Catalogue subsequent to those relating to 1914. The Zoological Society of London undertook to prepare and issue the Zoology volumes for the years 1915-20 inclusive at its sole financial risk, pending the possible resumption of the Catalogue. Efforts to proceed with the International Catalogue have been unsuccessful, and the Zoological Society of London, with the formally expressed goodwill and approval of the Royal Society, hope to continue the issue of the Zoological Record from 1921 onwards as a separate undertaking.

The Zoological Society believes that the continuance of the Record would be invaluable to workers in every branch of Zoology, the more so as it is the sole work of the kind. But the cost of preparation and publication is now so great that it cannot undertake the responsibility unless a sufficient number of Zoologists and Libraries show that they share this opinion by subscribing for copies.

I earnestly beg you to give this matter your early attention. The British Museum (Natural History) has undertaken to subscribe for six copies annually.

Subscription Forms are attached.\*

The Zoological Society is now able to supply volumes for the years 1915 to 1918 inclusive; the volume for 1919 is in the press and that for 1920 is in preparation. Particulars are attached.\*

P. CHALMERS MITCHELL,

*Secretary.*

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\* Copies of these documents, which were issued with the foregoing letter, may be obtained on application to the Secretary.

14. GARDEN GUIDE AND PICTURE POST CARDS.—The nineteenth edition of the Garden Guide was issued in 1921, and in the course of the year 60,663 copies were sold. Since 1903, when the Guide became the property of the Society, 906,901 copies have been sold. Of picture post cards, 190,575 were sold in 1921.

15. 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.
- 1921. The Philippine Journal of Science, Manila.

16. LIBRARY.—The Visitors' Book was signed by 444 Fellows and persons introduced by them, and 1,284 volumes were borrowed under the usual regulations.

The late Captain H. C. Treacher, F.Z.S., bequeathed a sum of £100 to the Society, without restriction as to its application. It was decided to expend the bequest, which after payment of legacy duty amounted to £90, on the purchase of books for the library with an inscription stating that they had been purchased under the Treacher Bequest.

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

## PRESENTED.

- | <i>Donor.</i>                     | <i>Donation.</i>   |
|-----------------------------------|--|
| BALFOUR-BROWNE, F.                | Keys to the Orders of Insects. By F. Balfour-Browne. 1920.   |
| BRITISH MUSEUM,<br>TRUSTEES OF.   | Handbook of Instructions for Collectors. 4th edition.<br>Catalogue of the Fossil Bryozoa (Polyzoa) in the Department of Geology, British Museum (Natural History). The Cretaceous Bryozoa (Polyzoa). Vol. III. The Cribrimorphs. By W. D. Lang.<br>Economic Series. No. 12. The Cockroach, its life history, and how to deal with it. By Fredk. Laing.<br>Instructions for Collectors. No. 2. Birds and their eggs. 7th edition.<br>Guide to the Gallery of Birds. Parts I, II. 2nd edition.<br>Report on Cetacea stranded on the British Coasts during 1919-1920. No. 7. By Sir S. F. Harmer.<br>British Antarctic ("Terra Nova") Expedition, 1910. Vol. III. Nos. 7, 8, 9; Vol. IV. No. 1.         |
| CALTHROP, E. R.                   | The Horse as Comrade and Friend. By E. R. Calthrop.  |
| CLIFFORD OF CHUD-<br>LEIGH, LORD. | The Theology of Creation. By Lord Clifford of Chudleigh.   |
| DURAND, H. V.                     | Chart Statique Animale (Projections verticales et horizontales). By H. V. Durand.  |
| FLOWER, MAJOR S. S.               | Autograph letter to the late Sir Wm. Flower from A. Milne Edwards, dated February 22nd, 1884.<br>Photograph of a Quagga, taken in the Society's Gardens about 1872.<br>Catalogue of Birds and Animals at the Aviaries, Monk Fryston Hall. Private Collection of the Rev. B. Hemsworth.<br>Geschichte der Menagerien und der Zoologischen Gärten, Berlin. By W. Striker. 1880.<br>Twenty Annual Reports of the Conservator to the Museum Committee, R. Coll. Surgeons. 1863-1881. By W. H. Flower.<br>The Museum of the Royal College of Surgeons of England. An Inaugural Address to the Anatomical Section of the International Medical Congress held in London, August 4th, 1881. By W. H. Flower. |

- FLOWER, MAJOR S. S.— Description of Two Skeletons of Akkas,  
(continued.) a Pygmy Race from Central Africa.  
By W. H. Flower. 1888.
- Report to Chairman of the Committee on  
Collections, appointed by the Delegates  
of the University Museum Oxford. By  
W. H. Flower and Alex. Macalister.  
1891.
- Notes on Zoological Museums. By J. E.  
Gray. 1864.
- The Functions of Museums, as considered  
by Mr. Ruskin. By W. White. 1893.
- Catalogue of Trophies, Specimens of  
Natural History. By F. C. Selous.  
1903.
- Catalogue of Mammalia inhabiting the  
Malayan Peninsula and Islands. By  
Theodore Cantor. 1846.
- FROGGATT, W. W. Some useful Australian Birds. By W. W.  
Froggatt. 1921.
- GIGLIO-TOS, E. Les Problèmes de la Vie. By E. Giglio-  
Tos. 4 Vols. 1900-1910.
- Collection of Reprints of Papers on  
various subjects by E. Giglio-Tos.
- GLADSTONE, H. S. The Value of Birds. By Hugh S. Glad-  
stone. 1921.
- GRANDIDIER, G. Deux Voyages cynégétiques et scien-  
tifiques en Afrique Occidentale Fran-  
çaise. By M. Neveu-Lemaire. 1911-  
1914.
- HALL-HALL, THEO. What we did in South Africa in 1873.  
By Edmund Byron. 1874.
- IMPERIAL ENTOMO- Report on the Third Entomological Meet-  
LOGIST, INDIA, THE ing, Pusa, India. 3 Vols. 1920.
- JONES, MAJOR H., THE A Collection of Water-Colour Drawings  
LATE of Ornithological Subjects. By the  
late Major H. Jones, F.Z.S.
- A Collection of Works on Ornithology by  
various Authors.
- NEWMAN, T. H. Country Life. Vols. 1-29. 1897-1911.
- UNION OF SOUTH Natal Province. Descriptive Guide and  
AFRICA, THE HIGH Official Handbook. 1911.  
COMMISSIONER OF
- SONNTAG, DR. C. F. Pasteur and After Pasteur. By S. Paget.  
1914.
- SPANISH AMBASSADOR, El Caballo Moruno. By Angel Cabrera.  
HIS EXCELLENCY THE

- SWITHINBANK, H., AND BULLEN, G. E. British Fish. An Illustrated Handbook of the Edible Fishes of the British Isles. By H. Swithinbank and G. E. Bullen. 1920.
- TEIXEIRA DE MATTOS, A., F.Z.S. More Hunting Wasps. By Henri Fabre. Translated by A. Teixeira de Mattos.

THE JONES BEQUEST.—Special attention is directed to the Collection of Water-Colour Drawings in the above list. They were bequeathed to the Society by the artist, the late Major Jones, F.Z.S., and form a collection of almost unique artistic beauty and ornithological interest. Special cases have been made for them, but on account of their value, they can be inspected only on special permission being given by the Secretary.

## PURCHASED.

- BAKER (E. STUART). The Game Birds of India, Burma, and Ceylon. 2 Vols. 1921.
- BEZZI (M.). Studies in Philippine Diptera. 1913-1916.
- BRADLEY (O. C.). A Guide to the Dissection of the Dog. 1919.
- BRITISH SCIENCE GUILD. A Catalogue of British Scientific and Technical Books. Prepared by a Committee of the British Science Guild.
- CARPENTER (G. H.). Insect Transformation. 1921.
- CUNNINGHAM (J. T.). Hormones and Heredity. 1921.
- "FRAM." Report on the Second Norwegian Arctic Expedition in the "Fram" 1892-1902. Vols. I-IV. 1898-1902.
- GRIFFIN (L. E.). Check-list and Key of Philippine Snakes. 1911.
- GURNEY (J. H.). Early Annals of Ornithology. 1921.
- HAAGNER (ALWIN). South African Mammals; a Manual for the use of Field Naturalists, Sportsmen, and Travellers. 1920.
- HELLER (VON K. M.). Philippinische Rüsselkäfer. 1912.
- HOLLISTER (N.). List of Mammals of the Philippine Islands exclusive of the Cetacea. 1910.
- HOWARD (H. E.). Territory in Bird Life. 1920.
- INDEX GENERALIS. Annuaire général des Universités. English Edition. 1921.
- JENKINS (J. T.). Sea Fisheries. 1921.
- " " A History of the Whale Fisheries. 1921.
- JORDAN (D. STARR.) and RICHARDSON (R. E.). Check-list of Species of Fishes known from the Philippine Archipelago. 1910.
- LANKESTER (SIR E. RAY). Secrets of Earth and Sea. 1920.
- MACGILLIVRAY (A. D.). The Coccidae. 1921.

- MACEWAN, (W.). The Growth and Shedding of the Antler of the Deer. 1920.
- McINTOSH, (W. C.). The Resources of the Sea. 2nd edition. 1921.
- MOORE (B.). Biochemistry. A Study of the Origin, Reactions and Equilibria of Living Matter. 1921.
- PUNNETT (R. C.). Mendelism. 5th edition. 1919.
- SCHULTZE (W.). Catalogue of Philippine Coleoptera. 1915.
- SIMON (EUGENE). Histoire Naturelle des Trochilidae (Synopsis et Catalogue). 1921.
- THOMSON (J. A.). Natural History Studies. 1920.
- WARD (A. R.), and GALLAGHER (B. A.). Diseases of Domesticated Birds. 1920.
- WOLLASTON (A. F. R.). Life of Alfred Newton. 1921.

Periodicals and Zoological Works in course of publication, of which parts were added to the Library for the first time in 1921 :—

- Hereditas (Lund).
- Faune de France (Paris).
- Capita Zoologica. Verhandelingen op Systematischzoologisch gebied ('s Gravenhage).
- Annales de Paléontologie (Paris).
- Bulletin of the Hill Museum (Witley, England).

17. 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. A Cabinet to contain the Card Index has been purchased; and Sections of the Index, as they are completed, will be placed therein for the use of Fellows.

18. CINEMATOGRAPH RECORDS.—Mr. Martin Duncan has made further film studies of some of the rarer animals in the Gardens. Series of these have been shewn at Scientific Meetings, and the negatives are carefully preserved.

19. PROSECTORIUM.—The Council much regret that Dr. R. T. Leiper, who has been Director of the Prosectorium for the last two years, and Dr. Vevers, who has acted as Honorary Parasitologist, have been compelled to

resign their appointments on account of the pressure of other duties. These two distinguished workers took a large share in the re-organization of the Prosectorium after the war, and the Society is much indebted to them. The staff at the Prosectorium was re-considered in consequence of their departure, and, on the advice of the Prosectorial Committee, the Council re-appointed Dr. Sonntag as Anatomist, and charged him with the general responsibility for the Prosectorium, under the direction of the Secretary. They also re-appointed Dr. Lucas as Pathologist, and were glad to appoint, on the recommendation of Dr. Leiper and Dr. Vevers, Mr. R. J. Ortlepp, post-graduate research student at the Royal School of Tropical Medicine, as Honorary Parasitologist. Research work at the Society's laboratory, removed from the stimulus of association with the wider interests of a university, tends to become rather narrow and isolated. The Council therefore consented with pleasure to the appointment of Dr. Sonntag as part-time demonstrator in the anatomical department of University College, and of Dr. Lucas as demonstrator of comparative pathology in the Medical School of University College, as in their opinion these duties would not interfere with but would facilitate their work for the Society. Mr. Ortlepp also retains his connection with the School of Tropical Medicine. 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. Sonntag, or to the Secretary of the Society.

Dr. C. F. Sonntag, the Society's Anatomist, reports: "The anatomical research done in the Prosectorium in 1921 covered a wide field, and nine papers, based on the examination of 243 Primates, 37 Carnivora, 22 Ungulata,

2 Edentata and 46 Marsupialia have been published in the Proceedings.

Anatomical material has been supplied for research and teaching purposes to :—

*University College.*—Professor J. P. Hill, Professor G. Elliot Smith, Drs. Shellshear, Dart and Hunter.

*The Royal College of Surgeons.*—Sir Frank Colyer and Dr. Gross.

*Middlesex Hospital.*—Professor Yeates and Dr. Wilson.

*Guy's Hospital.*—Professor Johnstone and Dr. Fripp.

*University College Hospital.*—Sir Thos. Lewis and Mr. Barrington.

*Cambridge University.*—Professor Wilson and Mr. Appleton.

*Edinburgh University.*—Professor J. Cossar Ewart.

*King's College for Women.*—Dr. Esdaile.

*Shropshire Orthopædic Hospital.*—Dr. Smith.

*Private Workers.*—Mr. V. E. Negus, Mr. T. M. Flettan, Mr. Trivass, Miss Knobel, and Drs. Hughes, Coupland, and Kenneth Walker.

Specimens have been sent to the following museums :—British Museum, Tring Museum, Museum of the Royal College of Surgeons, and National Museum of Wales.”

Dr. Lucas, the Society's Pathologist, reports: “With regard to my personal work in addition to routine post-mortems, I have to report that I am investigating the bacteriological causes of intestinal infections, chiefly organisms of the coli-typhoid family. Also I am attempting to collect cultural growths from animals dying of mycotic diseases.

The following individuals have received pathological material from the Prosectorium during the past year :—Dr. Kellaway, University College Hospital; Dr Price Jones, University College Hospital; Dr. Walshe, University College Hospital; Dr. Spencer, University College Hospital; Dr. M'Nee, University College Hospital; Dr.



Salmon, University College Hospital; Dr. Ellis, Margaret St. Hospital for Diseases of the Chest; Dr. Manson-Bahr, Tropical School of Medicine; Dr. Donaldson, St. George's Hospital; Lieut.-Col. Perry, R.A.M.C., Millbank Military Hospital; Sir Frank Colyer, The Royal College of Surgeons.

The museum of the Royal Army Medical College has also been supplied with pathological specimens.

Specimens of micro-organisms of pathological nature have been sent to the Lister Institute for preservation in its collection of living specimens."

Mr. R. J. Ortlepp, the Society's Honorary Pathologist, reports: "The parasitological work at the Prosectorium consists chiefly of the examination for helminths of all vertebrate animals which die in the gardens. These helminths are collected, identified and form part of the Society's helminthological collection. Forms found to be new are described, and since my taking over of this work two new parasites have been collected, and are at present being studied. In addition, investigations are being carried out in connection with the life histories of certain nematode parasites of the horse, materials for which research being obtained from the Society's slaughter house.

Three tubes of *Porocephalus* material have been sent to Mr. Hirst, British Museum; and Dr. Baylis, British Museum, has also received some specimens of *Ophidascaris* and *Polydelphis*."

20. VISITORS TO THE GARDENS.—The total number of visitors to the gardens in 1921 was 1,386,745, the third largest in the history of the Society. The following Tables give comparative figures.

*Visitors to the Gardens.*

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
1916 .	1,084,249	1921 .	1,386,745

*Visitors on Bank Holidays.*

	1920.	1921
Easter Monday ... ..	71,489	48,480
Whit Monday ... ..	51,414	32,103
First Monday in August	32,351	30,517
Boxing Day ... ..	8,438	3,620

*Visitors on Sundays and Week-days.*

	1920.	1921.
Sundays ... ..	137,583	136,475
Week-days ... ..	1,453,059	1,250,270

21. 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 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.

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.

22. WORKS.—The direct approach to the Gardens inside the Main Gate was widened, and a strong iron enclosure for Baboons or other large monkeys was made on each side of the entrance to the Monkey-house, communicating with an inner cage in the warmth of the House. A large lavatory for men was constructed alongside the Main Gate.

At the South Gate, two old shrubberies were removed and the double broad path with flower-beds was continued to meet the Elephant Ride. The old Waders's Aviary, which required complete re-wiring and the ponds of which had become foul, was removed and rebuilt in its permanent position between the Cattle-yards and the Lion-house. The old rockwork which obscured the view into the Park from the main path outside the Lion-house was

removed, and the adjacent ground cleared and made good. The area between the Western Aviary and the back of the Mappin Terraces was cleared, the ground being gravelled and the Works' enclosure under the Terraces shut off by a temporary wooden trellis.

Advantage was taken of the dry season to remake, gravel, and tar a large number of the paths.

The Eastern Aviary was repaved with cement, the Western Aviary was re-wired and thoroughly cleaned and redecorated, and many minor repairs and alterations were carried out. The Refreshment Rooms, the Hall and Staircase of the new Offices, the Ape-house, Ostrich-house, Antelope-house, the Southern Aviary, the Gardener's Lodge and all the green-houses were repainted.

The shed on the North Bank of the Canal, formerly occupied by the Shoe-bill, was temporarily adapted as a bar for light refreshments, there being no accommodation of that nature in the North Garden.

23. NEW WORKS FOR 1922.—As indicated in the Report for 1920, the Council decided that the provision of better accommodation for the Refreshment Department could no longer be postponed. It was resolved, therefore, to proceed with the central, although smaller, part of the general scheme for the reconstruction of the Refreshment Rooms explained and illustrated in the Council's Report for the year 1913, and to use for the purpose the Refreshment Room Rebuilding Fund which has been accumulating by the investment of the greater part of the profits from this source. The construction of the Pavilion was begun last November, and the Contractors expect to finish it in time for opening before the Annual Meeting of 1922. The new building provides a large cellar for storage, a large tea-room on the ground floor opening on a raised terrace, and an upper floor with accommodation for special parties and provided with a large balcony. The building is to be used only for teas and light refreshments. The construction of this new building has made it possible to clear away some of the rather dilapidated old sheds and to lay out this part of the Gardens in conformity with the general plan of reconstruction towards which the Council is working.

The Otter Pond has been replaced by a new pond near the north end of the western tunnel, in the construction of which iron bars have been replaced by a sunk ditch.

The arrangements for the entrance and exit of visitors at the Gates have long been inadequate. At each Gate new turnstiles have been provided both for entrance and exit.

Minor works in hand or under consideration include the repaving of the Elephant-house floor, the construction of a Crows' Aviary near the Birds of Prey, repairs to the Gazelle Sheds near the Elephant-house, better provision for the sale of tickets for the Elephant and Camel rides, and steps for children to get on the riding elephants.

24. AQUARIUM.—The Council has decided in principle that the Mappin Terraces should be completed by the construction of a first-rate aquarium for fresh-water and marine animals, in accordance with the original design. They are engaged at present in working out the details, and hope to be able to begin construction in the course of 1922. An aquarium is costly to equip and to maintain, and to provide the necessary annual sum to repay the original cost and to discharge the current expenses, it may be necessary to charge for admission not only visitors but Fellows. If the latter should be thought advisable, the arrangements proposed will be submitted to a General Meeting, in accordance with the By-laws.

25. H.R.H. PRINCE OF WALES'S NEPAL AND MALAYAN COLLECTIONS.—The Prince of Wales, during his visit to the East, has accepted a collection of animals from Nepal and another collection from Indo-Malaya. He has offered these to the Society, and this offer has been gratefully accepted by the Council. In accordance with the precedent of H.M. The King's Indian and Malay Collections, it is hoped to exhibit these during the summer of 1922 in a special part of the Gardens.

26. GARDENERS' DEPARTMENT.—To the great regret of the Council, Mr. John Young, the Society's head-gardener for forty years, retired last August at the age of 72. The Society's Silver Medal was conferred on him, and a pension

at the rate of £150 a year was granted. Mr. Young was a Scot, the son and grandson of a gardener. At the age of 15 he was apprenticed to David Thomson, a celebrated Scottish gardener, and served successively at Archerfield, Drumlanrig, Lambton Castle, and Lord Durham's property at Wooler, Northumberland, all famous for their gardens. He soon learned to make the best of the difficult conditions of the London soil and London climate, and under his direction, year by year the Society's Gardens became more famous for floral decoration. During the war, when most of the flowers were replaced by vegetables, Mr. Young's ingenuity in the decorative treatment of vegetables was much admired.

Fortunately the Council found it unnecessary to go outside the Society's own staff in finding a successor. Mr. W. Wall, who has been on the gardening staff since 1891, and latterly has been chief propagator and Mr. Young's assistant, was appointed head gardener and has already shewn high capacity in his new office.

27. BAND.—On the advice of a special committee which interviewed a number of bandmasters and discussed the Band arrangements for 1922, the 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.

28. REFRESHMENT DEPARTMENT.—The Accounts have been audited, as usual, by Messrs. Edward Moore & Sons. The gross profits for 53 weeks amounted, after feeding the Staff, to £27,526 11s. 11d. The working expenses for the same period amounted to £13,236 5s. 2d., leaving a trading profit of £14,290 6s. 9d. 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 £8,857 12s. 1d. Of that amount, the sum of £2,857 12s. 1d. was allotted to paying the cost of the Main Gate lavatory, the new Otter Pond, and the

alteration of the turnstiles at the three Gates, painting and decoration at the Refreshment Rooms, and reserve for income tax. The balance of £6,000 has been carried forward to the accounts of 1922.

At the request of the Council, the Committee of Auditors appointed in January, 1921 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.

29. COLOURED LABELS.—For many years the Council has been desirous of placing coloured labels on cages and enclosures containing different species. It is not necessary that such drawings should be elaborate or contain much detail, if they serve to allow visitors to identify the various birds or mammals. Sketches in oil on metal plates have hitherto been most successful, but they fade rapidly. Many devices for protecting drawings or coloured prints by celluloid and other varnishes, or by glass, have been tried, but they have all been rapidly defeated by the sun and the damp. The Secretary has long been convinced that the method with most chance of success would consist in the use of fusible enamel pigments fired on glass or china tiles. Such labels, although not lending themselves to detail as minute as can be represented in oil or water-colour, should be sufficient for the purpose and should resist light and damp. He was so fortunate as to interest the Director of the London County Council Central School of Arts and Crafts, under whose direction some senior students began to make experiments late last year. Some of the first results, painted on tiles and afterwards fired, are now ready, and there is a good expectation that the difficulties in the way of providing weather-proof labels have now been overcome.

30. MENAGERIE.—Further progress has been made in replenishing the collection which naturally had become much reduced during the war. The prices asked for animals of all kinds and the cost of transport are still abnormally high, although there are indications of a return towards more normal conditions.

The following tables show the total changes in the Menagerie in 1919, 1920 and 1921:—

*Number of Animals in the Gardens on December 31st, 1919-1921.*

	1919.	1920.	1921.
Mammals ... ..	586	563	696
Birds ... ..	1,333	1,618	1,878
Reptiles, etc. ... ..	411	549	759
Totals ... ..	<u>2,330</u>	<u>2,730</u>	<u>3,333</u>

*Additions to the Collection, 1919-1921.*

	Presentation.	Purchase.	Deposit.	Exchange.	Birth.	TOTAL.
1919 ...	806	662	272	42	89	1,871
1920 ...	803	885	547	76	165	2,476
1921 ...	891	609	730	64	140	2,434

ANIMALS BRED DURING 1921.

1921.

*Mammals.*

Sept. 23.	1	Common Macaque ( <i>Macacus fascicularis</i> ), born dead.
April 4.	6	Common Wolves ( <i>Canis lupus</i> ), not reared.
Feb. 15.	4	Dingoes ( <i>Canis dingo</i> ), one reared.
June 23.	2	Pandas ( <i>Aelurus fulgens</i> ), lived one month.
Aug. 6.	1	American Bison ( <i>Bison americanus</i> ) ♀ reared.
Aug. 16.	1	European Bison ( <i>Bison bonasus</i> ) ♀ reared.
Mar. 10.	1	Blackbuck ( <i>Antilope cervicapra</i> ) ♂ lived one day.
Nov. 17.	1	Blackbuck ( <i>Antilope cervicapra</i> ), reared.
July 5.	2	Nylghaies ( <i>Boselaphus tragocamelus</i> ), reared.
May 1.	5	Grecian Ibexes ( <i>Capra aegagrus</i> ), three reared.
May 6.	1	Grecian Ibex ( <i>Capra aegagrus</i> ), reared.
May 23.	1	Hybrid Caucasian and Himalayan Ibex ( <i>Capra cylindricornis</i> × <i>C. sibirica</i> ), reared.
May 30.	1	Hybrid Caucasian and Himalayan Ibex ( <i>Capra cylindricornis</i> × <i>C. sibirica</i> ), reared.



- June 3. 1 Hybrid Caucasian and Himalayan Ibex  
(*Capra cylindricornis* × *C. sibirica*), reared.
- July 4. 2 Thars (*Hemitragus jemlaicus*), one reared.
- Mar. 22. 1 Hybrid Soa Sheep and Sardinian Mouflon  
(*Ovis aries* × *O. musimon*), reared.
- April 7. 1 Hybrid Soa Sheep and Sardinian Mouflon  
(*Ovis aries* × *O. musimon*), reared.
- Oct. 21. 1 Hybrid Soa Sheep and Sardinian Mouflon  
(*Ovis aries* × *O. musimon*), reared.
- Mar. 24. 1 Barbary Sheep (*Ammotragus lervia*), reared.
- Mar. 31. 1 Barbary Sheep (*Ammotragus lervia*), reared.
- April 13. 1 Barbary Sheep (*Ammotragus lervia*), reared.
- May 15. 1 Barbary Sheep (*Ammotragus lervia*), reared.
- April 15. 1 Indian Muntjac (*Muntiacus muntjak*), reared.
- Dec. 1. 1 Indian Muntjac (*Muntiacus muntjak*), reared.
- July 3. 1 Burmese Muntjac (*Muntiacus muntjak grandicornis*), not reared.
- Oct. 13. 1 Burmese Muntjac (*Muntiacus muntjak grandicornis*), reared.
- Nov. 2. 1 Wapiti (*Cervus canadensis occidentalis*), not reared.
- April 21. 1 Chital or Axis Deer (*Axis axis*), reared.
- Mar. 3. 4 Cairo Spiny Mice (*Acomys cahirinus*), eaten by mother.
- Mar. 29. 1 African Porcupine (*Hystrix africæ-australis*), reared.
- May 29. 2 African Porcupines (*Hystrix africæ-australis*), reared.
- July 17. 1 African Porcupine (*Hystrix africæ-australis*), reared.
- Aug. 21. 1 African Porcupine (*Hystrix africæ-australis*), reared.
- Oct. 10. 1 African Porcupine (*Hystrix africæ-australis*), reared.
- April 13. 2 Hairy-rumped Agoutis (*Dasyprocta prymnolopha*), reared.
- Oct. 31. 1 Hairy-rumped Agoutis (*Dasyprocta prymnolopha*), not reared.
- July 31. 2 Cape Hyraxes (*Procavia capensis*), reared.
- July 14. 1 Malayan Tapir ♀ (*Tapirus indicus*), reared.
- Aug. 26. 1 Short-tailed Wallaby (*Macropus brachyurus*), lived three months.

1921.

## Birds.

- June 21. 2 American Robins (*Turdus migratorius*), reared.
- June 29. 3 Bluebirds (*Sialia sialis*), reared.
- July 19. 3 Zebra Finches (*Tæniopygia castanotis*), reared.
- Sept. 9. 1 Blue Grosbeak (*Guiraca cærulea*), reared.
- July 13. 2 Gambel's Sparrows (*Zonotrichia leucophrys gambeli*), reared.
- Sept. 11. 2 Leadbeater's Cockatoos (*Cacatua leadbeateri*), reared.
- Sept. 11. 1 Cockatiel (*Calopsittacus novæ-hollandiæ*), reared.
- Oct. 18. 1 Cockatiel (*Calopsittacus novæ-hollandiæ*), reared.
- July 18. 4 Budgerigars (*Melopsittacus undulatus*), reared.
- June 16. 2 Sacred Ibises (*Ibis æthiopica*), reared.
- Oct. 8. 1 Sacred Ibis (*Ibis æthiopica*), not reared.
- June 22. 9 Mallard Ducks (*Anas boscas*), reared.
- July 10. 4 Carolina Ducks (*Lampronessa sponsa*), two reared.
- June 27. 2 Southern Triangular - spotted Pigeons (*Columba phæonota*), reared.
- June 28. 1 Dwarf Turtle Dove (*Onopelia humilis*), reared.
- July 13. 2 Dwarf Turtle Doves (*Onopelia humilis*), reared.
- Oct. 25. 1 Geoffroy's Dove (*Peristera geoffroyi*), reared.
- June 1. 1 Brush Bronze-winged Pigeon (*Phaps elegans*), reared.
- June 21. 1 Brush Bronze-winged Pigeon (*Phaps elegans*), reared.
- June 2. 1 Crested Pigeon (*Ocyphaps lophotes*), reared.
- June 2. 2 Talpacoti Doves (*Chamæpelis talpacoti*), reared.
- July 13. 4 Gambel's Quails (*Lophortyx gambeli*), one reared.
- June 16. 3 Himalayan Monauls (*Lophophorus impeyanus*), not reared.
- June 16. 13 Gold Pheasants (*Chrysolophus pictus*), six reared.
- June 16. 3 Silver Pheasants (*Gennæus nycthemerus*), reared.
- July 23. 2 Hybrid Reeves's and Silver Pheasants (*Syrmaticus reevesi* × *Gennæus nycthemerus*), reared.

- July 23. 4 Hybrid Lineated Kaleege and Silver Pheasants (*Gennæus lineatus* × *G. nycthemerus*), reared.  
 July 23. 2 North American Turkeys (*Meleagris americana*), one reared.  
 Aug. 16. 3 Burmese Peafowl (*Pavo muticus*), reared.  
 May 6. 1 White-necked Crane (*Pseudogeranus leucacchen*), not reared.

### Reptiles.

- Aug. 15. 12 False Moccasins (*Tropidonotus fasciatus*), not reared.  
 Oct. 1. 12 False Moccasins (*Tropidonotus fasciatus*), not reared.

### List of the Species new to the Collection exhibited during 1921.

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

### I.—MAMMALS.

- 439 *a.* *Rattus vociferans* Miller. Noisy Rat.  
*Hab.* Selangor.  
*a.* Presented by Cecil Boden Kloss, Esq., F.Z.S., July 23rd, 1921.  
 463 *a.* *Scarturus tetradactylus* Licht. Four-toed Jerboa.  
*Hab.* Maryût, Egypt.  
*a b.* Presented by the Giza Zoological Gardens.  
 506 *a.* *Lepus canopus* Thomas. Nigerian Hare.  
*Hab.* Kano District, Northern Nigeria.  
*a.* Deposited, August 11th, 1921.  
 566 *a.* *Ourebia kenyæ* Meinertzhagen. Kenya Colony Oribi.  
*Hab.* Eldoret, Kenya Colony, E. Africa.  
*a-b.* Deposited, September 24th, 1921.  
 744 *a.* *Acrobates pygmæa* Shaw. Pigmy Flying Phalanger.  
*Hab.* S.E. Australia.  
*a.* Deposited, July 6th, 1921.

## II.—BIRDS.

- 81 *a* *Spizixus canifrons* Blyth. Finch-billed Bulbul.  
*Hab.* Yunnan.  
*a.* Presented by John D. La Touche, Esq., C.M.Z.S.,  
 August 10th, 1921.
- 121 *f.* *Cinnyris gutturalis* Linn. Scarlet-breasted Sunbird.  
*Hab.* Durban, S. Africa.  
*a. ♂* Presented by Harold Millar, Esq., March 18th,  
 1921.
- 213 *a.* *Steganura paradisea verreauxi* Cass. Eastern Para-  
 dise Whydah-bird.  
*Hab.* Mombasa.  
*a-d.* Presented by W. G. Keeping, Esq., June 7th,  
 1921.
- 325 *b.* *Serinus scotops* Sundev. Sundevall's Seed-eater.  
*Hab.* S. Africa.  
*a.* Purchased, January 21st, 1921.
- 399 *b.* *Spreo bicolor* Gmelin. Pied Starling.  
*Hab.* S. Africa.  
*a-b.* Purchased, February 15th, 1921.
- 402 *a.* *Pholidauges leucogaster verreauxi* Bocage. Ver-  
 reaux's Amethyst Starling.  
*Hab.* Durban, S. Africa.  
*a.* Presented by Harold Miller, Esq., C.M.Z.S.,  
 January 15th, 1921.
- 414 *a.* *Poliopsar nemoricolus* Jerd. White-winged Mynah.  
*Hab.* Yunnan.  
*a.* Presented by John D. La Touche, Esq., C.M.Z.S.,  
 August 10th, 1921.
- 458 *b.* *Cyanocorax caeruleus* Vieill. Azure Jay.  
*Hab.* S. Brazil.  
*a.* Deposited, August 30th, 1921.
- 531 *a.* *Colius affinis* Shelley. East African Coly.  
*Hab.* Mombasa.  
*a-d.* Presented by W. G. Keeping, June 7th,  
 1921.
- 538 *a.* *Sauromarptis tyro* Gray. Aru Island Kingfisher.  
*Hab.* Aru Island.  
*a-d.* Purchased, August 27th, 1921.
- 560 *a.* *Coracias caudatus* Linn. Long-tailed Roller.  
*Hab.* S. Africa.  
*a.* Presented by The Marquess of Tavistock, F.Z.S.,  
 November 16th, 1921.

- 767 *a.* *Aprosmictus amboinensis* Linn. Amboina King  
Parrakeet.  
*Hab.* Amboina.  
*a.* Purchased, August 27th, 1921.
- 945 *a.* *Astur leucosomus* Sharpe. Lesser White Goshawk.  
*Hab.* Aru Island.  
*a.* Purchased, August 27th, 1921
- 1216 *d.* *Ptilopus aurantiifrons* Gray. Orange-fronted Fruit  
Pigeon.  
*Hab.* Aru Island.  
*a-c.* Purchased, August 27th, 1921.
- 1222 *d.* *Megaloprepia magnifica* Temm. Magnificent Fruit  
Pigeon.  
*Hab.* S.E. New Guinea.  
*a-b.* Purchased, November 15th, 1921.
- 1288 *b.* *Chalcophaps stephani* Reichenb. Stephani's Green-  
winged Pigeon.  
*Hab.* New Guinea.  
*a-d.* Purchased, August 27th, 1921.
- 1450 *a.* *Mitua salvini* Reinh. Salvin's Razor-billed Curassow.  
*Hab.* Ecuador.  
*a.* Deposited, October 11th, 1921.
- 1471 *b.* *Talegallus fuscirostris* Salvad. Brown-billed Brush  
Turkey.  
*Hab.* Aru Island.  
*a-b.* Purchased, August 27th, 1921.
- 1489 *b.* *Eulabeornis castaneiventris* Gould. Red-bellied  
Rail.  
*Hab.* Aru Island.  
*a-c.* Purchased, August 27th, 1921.

### III.—REPTILES.

- 87 *a.* *Emydura novæ-guinæ* Meyer. New Guinea Terrapin.  
*Hab.* Aru Island.  
*a-h.* Purchased, August 27th, 1921.
- 115 *a.* *Gecco vittatus* Houttuyn. Striped Gecko.  
*Hab.* Aru Island.  
*a.* Purchased, August 22nd, 1921.
- 166 *a.* *Phrynosoma regale* Girard. Regal-horned Lizard.  
*Hab.* Arizona.  
*a-b.* Presented by E. Newitt, Esq., October 17th,  
1921.

- 131 b. *Agama spinosa* Gray. Spiny Lizard.  
*Hab.* Tanganyika Territory.  
 a. Purchased, December 21st, 1921.
- 272 a. *Dryophis dispar* Günth. Southern Tree Snake.  
*Hab.* India.  
 a. Presented by A. P. A. H. Kinloch, Esq., F.Z.S.,  
 March 26th, 1921.

## IV.—BATRACHIANS.

- 49 b. *Megalixalus fornasinii* Bianc. Striped Tree Frog.  
*Hab.* Zanzibar.  
 a. Presented by Captain W. H. Ingrams F.Z.S.,  
 June 7th, 1921.

## V.—FISH.

- Belonesox belizansos* Kner. Mexican Dwarf Pike.  
*Hab.* Mexico.  
 a-d. Purchased, April 6th, 1921.
- Betta rubra* Perugia. Siamese Fighting Fish.  
*Hab.* Siam.  
 a-b. Purchased April 26th, 1921.
- Heros spurius* Heck. Chameleon Fish.  
*Hab.* S. America.  
 a-d. Purchased, April 6th, 1921.
- Paratilapia multicolor* Hilgendorf. Mouth-breeder.  
*Hab.* Egypt.  
 a-b. Purchased, April 6th, 1921.
- Osphromenus trichopterus* Cuv. & Val. Thread-  
 finned Fish.  
*Hab.* East Indies.  
 a-b. Purchased, April 6th, 1921.
- Tetragonopterus rubropictus* Berg. Red-tailed Fish.  
*Hab.* S. America.  
 a-b. Purchased, April 29th, 1921.
- Tetragonopterus unilineatus* Regan. Black and White-  
 finned Fish.  
*Hab.* S. America.  
 a-b. Purchased, October 25th, 1921.
- Platypoecilus maculatus* (var. *ruber*) Günth. Golden  
 Cyprinodon.  
*Hab.* S. America.  
 a-d. Purchased, June 15th, 1921.

- Pyrrhulina guttata* Steindachner. Red - finned  
Cyprinodon.  
*Hab.* S. America.  
*a-b.* Purchased, June 15th, 1921.
- Haplochilus rubrostigma* Jerdon. Red - spotted  
Cyprinodon.  
*Hab.* E. Indies.  
*a-b.* Purchased, August 26th, 1921.
- Danio albolineatus* Day. Mother of Pearl Fish.  
*Hab.* Burma.  
*a-t.* Purchased, October 14th, 1921.

## DONORS.

- HIS MAJESTY THE KING, Patron and Fellow of the Society.  
2 Lions ♂ ♀.
- H.R.H. THE PRINCE OF WALES, K.G., F.Z.S. 1 Black  
Wallaby.
- H.H. THE JAM SAHIB OF NAWANAGAR. 4 Lions.  
AGRICULTURE, Ministry of. 2 Brazilian Cows.
- ALLEN, Major J. 3 Herring Gulls.
- ALLISON, Miss M. J. 1 Greater Sulphur-crested Cockatoo.
- ANSDALL, Capt. R. C., D.G. 2 Sloth Bears.
- APPLETON, Mr. J. E., F.Z.S. 1 Rose-crested Cockatoo.
- ARCHER, Sir Geoffrey, K.C.M.G. 2 Lions.
- ARMITAGE, H.E. Capt. C. H., C.M.G., D.S.O., F.Z.S.,  
Silver Medallist. 1 Patas Cercopitheque, 1 Serval,  
2 Spotted Hyænas, 2 Harnessed Antelopes, 2 Marabou  
Storks, 1 Black-necked Crowned-Crane, 2 Spurwing  
Geese, 3 Collared Guinea-fowls, 1 Ostrich, 9 Land  
Crabs.
- ASTLEY, Mr. H. D., F.Z.S. 1 Siamese Fire-back  
Pheasant.
- ATKIN, Master Montagu Sannyer. 1 European Pond  
Tortoise.
- AXFORD, Mrs. A. S. 1 Greater Sulphur-crested  
Cockatoo.
- BALLARD, Mr. C. 1 Cuckoo.
- BANNISTER, Mr. G. H. 6 Common Snakes, 9 Common  
Vipers.
- BARKER, Miss Daye. 1 Pied Blackbird.
- BAXTER, Mr. J. L. 1 Common Marmoset.
- BEADLE, Mrs. Elizabeth. 1 Bonnet Macaque.

- BECKETT, Mrs. Agnes. 1 Common Macaque.  
 BELCHER, Mrs. A. 1 Larger Hill-Mynah.  
 BELLABY, Miss Florence. 1 Gannet.  
 BENNETT, Mrs. E. 1 Blue-fronted Amazon.  
 BENTALL, Mr. G. A., F.Z.S. 1 Marbled Polychrus.  
 BEVAN, Miss Anne. 2 Tui Parrakeets.  
 BILLINGTON, Mr. Edward R. 1 Common Rabbit.  
 BINT, Mr. Albert. 1 Common Fox.  
 BIRKBECK, Miss Winifred. 1 Green Cercopitheque.  
 BISHOP, Mrs. E. W. 2 Japanese Bantams.  
 BLAINE, Mr. Gilbert, F.Z.S. 2 Meyer's Parrots.  
 BLAKENEY, Mrs. 1 Song Thrush.  
 BOLAM, Mr. H. G. 22 Common Snakes.  
 BOOKER, Mr. E. W. 1 Grey Mongoose.  
 BOUGHEY, Sir Francis, Bt. 1 Long-eared Owl, 2 Kestrels,  
 1 Sparrow Hawk, 2 Jackdaws, 2 Canada Geese.  
 BOULENGER, Dr. G. A., F.R.S. 6 Agile Frogs.  
 BOULIET, Mons. E. 1 Collection of Paradise Fish,  
 2 Mouth-Breeders.  
 BOURKE, The Hon. Mrs. 1 Blue-throated Warbler.  
 BOWLES, Mr. B. W. 1 Mozambique Cercopitheque.  
 BREEN, Mr. J. P. 1 Lesser White-nosed Cercopitheque.  
 BREX, Mr. Basil Twells. 2 Common Carp.  
 BRIDGMAN, Mr. R. 1 Ring-tailed Coati.  
 BRITISH COLOMBIA, The Government of. 3 Wapiti.  
 BROOKE, Mr. C. H. 1 Black Rat (white variety).  
 BROWN, Mrs. B. 1 Common Macaque.  
 BROWN, Mrs. R. 1 Patas Cercopitheque.  
 BROWN, Mr. W. 2 Gold Pheasants.  
 BROWSE, Mrs. J. 1 Mozambique Cercopitheque.  
 BRUYN, Mr. David van. 1 Little Owl.  
 BRYAN, Mrs M. 1 Algerian Tortoise.  
 BURGESS, Mr. James. 1 Hedgehog.  
 BURRA, Mr. S. H. 1 Rose-crested Cockatoo.  
 BURROWS, Mrs. R. 1 Common Fox.  
 BURTON, Mr. A. T. 1 Patas Cercopitheque.  
 CARTER, Miss Monica. 1 Yellow-winged Sugar-bird.  
 CHADWICK, Major. 1 Bennett's Gazelle.  
 CHALMERS, Mr. George, C.M.Z.S. 4 Crab-eating Dogs,  
 2 White Amphisbænas, 1 Terrific Rattlesnake,  
 1 South American Rat-Snake.  
 CHAPMAN, Mr. G. B. 2 Paradise Whydah-birds, 2 Pin-  
 tailed Whydah-birds.



- CHARTER, Major W. H. 2 Turtle-Doves.  
 CHEESMAN, Capt. R. E. *See* Cox, Sir Percy, K.C.M.G.,  
 K.C.S.I.  
 CHETWYND, Sir Guy, Bt., F.Z.S. 1 Algerian Tortoise.  
 CHILD, Mr. B. T. 3 Pike, 1 Chubb, 12 Rudd.  
 CHUTE, Lt.-Col. Mervyn L., A.S.C., F.Z.S. 2 Canadian  
 Skunks.  
 CLARK, Mrs. L. Aiken. 1 Yellow-fronted Amazon.  
 CLARKE, Mrs. H. W. 2 Partridges.  
 CLARKE, Mr. James R. 1 Malbrouck Cercopitheque.  
 CLARKE, Dr. S. A. 2 Gold Pheasants.  
 COCKS, Mr. A. H., F.Z.S. 1 Little Owl.  
 COHEN, Mr. I. 1 Budgerigar.  
 COLLIER, Mr. Charles. 3 Badgers.  
 COLLINS, Miss D. H. 1 Grey Mongoose.  
 COOKE-YARBOROUGH, The Rev. Canon J. 1 Neumann's  
 Vervet Cercopitheque.  
 COOPER, Mrs. E. 1 Roseate Cockatoo.  
 COOPER, Miss Margaret. 6 Rosy-faced Love-birds, 1  
 Budgerigar.  
 CORDERY, Mr. C. J. 1 Basilisk Chameleon.  
 CORNELL, Mr. C. 2 Magpies.  
 COWPER, Dr. John. 1 Little Owl.  
 COX, Sir Percy, K.C.M.G., K.C.S.I., F.Z.S., and  
 CHEESMAN, Capt. R. E., C.M.Z.S. 4 Persian  
 Gazelles, 1 Gmelin's Sheep.  
 COZENS-HARDY, Mr. E. W. 1 Bosman's Potto.  
 CRAIG, Mrs. Helen. 1 Marabou Stork.  
 CRISTILLE, Mr. E. H. 1 Common Macaque.  
 CURA & SONS, Messrs. 6 American Catfish.  
 CUTTING, Mr. C. 2 Algerian Tortoises.  
 DALY, Major. 1 Persian Gazelle.  
 DAUNTON, Mrs. G. 1 Bonnet Macaque.  
 DAVIS, Mr. G. 1 Black-headed Bunting, 3 Black-crested  
 Buntings, 1 White-eared Bulbul, 1 Jerdon's Green  
 Bulbul.  
 DAVIS, Mrs. Josephine Roy. 1 Common Macaque.  
 DAWSON, Miss E. A. 1 Red and Yellow Macaw.  
 D'EATHE, Mr. Stephen Henrique. 1 Weeper Capuchin.  
 DELACOUR, Monsieur Jean, F.Z.S. 2 Lesser Pintailed  
 Sand-Grouse, 1 Barbary Partridge, 2 Sonnini's Colins,  
 2 Bar-headed Geese, 2 Demoiselle Cranes, 1 collection  
 of Paradise Fish.

- DENNER, Mr. Frank. 1 Roseate Cockatoo.  
 DICKENSON, Mr. S. 2 Eyed Lizards.  
 DICKSON-KENWIN, Mr. G. 1 Green Lizard.  
 DIXON-SPAIN, Lt.-Col. J. E. 1 Yellow-fronted Amazon.  
 DRAPER, Miss Mary. 1 Roseate Cockatoo.  
 DRESSER, Mr. Harold B. 1 Tawny Owl.  
 DUMONT, Madame S. 1 Common Fox.  
 DURUZ, Mr. S. A. 1 Dark Green Snake.  
 EASTLAND, Mr. E. J. 1 Red and Blue Macaw, 1 Budge-  
 rigar, 1 Crimson-eared Waxbill, 1 Common Waxbill,  
 2 Cut-throat Finches, 1 Siskin, 1 Redpoll, 1 Tree  
 Sparrow, 1 Canary, 1 Barbary Turtle-Dove.  
 EDWARDS, Mr. Clement, M.P. 1 Sparrow Hawk.  
 EDWARDS, Miss F. 1 Common Squirrel.  
 EDWARDS, Mrs. H. 1 Ring-necked Parrakeet.  
 EGERTON, Mr. J. J. 14 Nutmeg Finches.  
 ELKINS, Mr. C. H. 1 Ring-necked Parrakeet.  
 ELLIOTT, Mr. C. C. 2 Red-beaked Weaver-birds.  
 EMMS, Mrs. 1 Puffin.  
 ERSKINE OF MARR, The Hon. Mrs. 1 Cedar Bird.  
 EVANS, Lieut. L. C. 1 Guinea Baboon.  
 EZRA, Mr. Alfred, O.B.E., F.Z.S. 4 Spotted Fire  
 Finches, 1 Common Fire Finch, 2 Crimson-eared  
 Waxbills, 2 White-bellied Sea-Eagles.  
 FAIRWEATHER, Mrs. L. 1 Blue-fronted Amazon.  
 FARROW, Mr. Stanley C. 1 Buzzard.  
 FENTON, Mr. R. W. R. 4 Kestrels.  
 FERGUSSON, Mrs. Russell. 3 Oyster-Catchers.  
 FFENNELL, Miss Hazel. 3 Common Fire Finches, 2 Red-  
 beaked Weaver-birds, 2 Crimson-crowned Weaver-  
 birds, 1 Blue-breasted Waxbill, 1 Violet-eared  
 Waxbill, 2 Grey Singing Finches, 1 Masked Dove.  
 FFOULKES, Mrs. R. 1 White-throated Capuchin, 2  
 Alpine Marmots.  
 FIELD, Mr. H. E. 2 Black Rats.  
 FLOWER, Major Stanley, F.Z.S. 1 Three-toed Sand-  
 Skink.  
 FORBES, Mr. Andrew, A.M.I.C.E. 2 Common Mar-  
 mosets.  
 FOSTER, Mr. R. D. 1 Bonnet Macaque.  
 FRANCIS, Mr. L. 1 Rhesus Macaque.  
 GALLOWAY, Mr. Stanhope. 1 Dwarf Toad.  
 GALLWY, Mr. L. G. 1 Greater Sulphur-crested Cockatoo.

- GASSON, Mr. C. B. 1 Brown Capuchin.  
 GEORGE, Mrs. David. 1 Algerian Tortoise.  
 GILBERTSON, Miss Merrill. 1 European Pond Tortoise.  
 GLAISHER, Mr. W. R. 1 Algerian Tortoise.  
 GLANVILL, Miss Wreford. 2 Common Marmosets.  
 GLYDENSTOLPE, Comte Nils. 1 African Leopard.  
 GOLDSMITH, Mrs. Edward. 1 Squirrel-like Phalanger.  
 GOLODETZ, Mrs. V. 1 Orange-cheeked Waxbill.  
 GONGE, Master G. T. 1 Bull Snake.  
 GOOCH, Sir Thomas, Bt., F.Z.S. 1 Greater Sulphur-crested  
 Cockatoo.  
 GOOD, Mr. George. 1 Ring-tailed Lemur.  
 GOODERHAM, Miss D. A. 1 Crimson-eared Waxbill.  
 GOULD, Mr. Francis H. Carruthers, F.Z.S. 1 Common  
 Macaque.  
 GRANTHAM, Miss Unity. 1 Nilotic Crocodile.  
 GRAY, Mrs. J. 1 Common Macaque.  
 GREEN, Mr. C. J. 4 Two-spotted Palm Civets.  
 GREETHAM, Mr. C. 1 Mozambique Cercopitheque.  
 GUNNS, Mr. C. A. 1 Mozambique Cercopitheque.  
 HALL, Mr. H. E. 4 Barbary Turtle-Doves.  
 HAMLYN, Mr. J. D. 6 Bristly Ground-Squirrels.  
 HAMLYN, Mrs. J. D. 4 Indigo Buntings.  
 HANSEN, Mr. F. 1 Quaker Parrakeet.  
 HAYMAN, Mr. R. W. 2 Long-tailed Wood-Mice.  
 HAYWARD, Miss Diana. 2 Common Marmosets.  
 HEATH, Miss V. 1 Green Lizard.  
 HENNINGS, Miss H. F. 7 Common Cavies.  
 HICKEY, Miss Gladys F. 1 Rufous-necked Wallaby.  
 HILL, Mr. A. W. 1 Bittern.  
 HILL, Mr. J. W. 1 Large Roach.  
 HILL, Mr. Walter. 2 Budgerigars.  
 HOLMAN, Mr. C. W. 2 Striped Tree-Frogs.  
 HOLTOW, Mr. J. B. 1 Vervet Cercopitheque.  
 HOMER, Lt.-Col. J. L. 1 Tawny Owl.  
 HOOPER, Mr. J. A. 1 Tawny Owl.  
 HOPKINSON, Dr. E., D.S.O., F.Z.S. 2 Rufous-necked  
 Weaver-birds, 2 Crimson-crowned Weaver-birds, 1  
 Orange Weaver-bird, 2 Ox-birds, 1 Broad-tailed  
 Babbler, 1 Long-tailed Glossy-Starling, 13 Crimson-  
 eared Waxbills, 1 Yellow-backed Whydah-bird, 1  
 Finch.  
 HORSLEY, The Rev. Canon J. W. 5 Alpine Newts.

- HUNTSMAN, Mr. William, F.Z.S. 1 Yellow-bellied Flying  
Phalanger.
- HUTCHINSON, Lt. A. M. 1 Cheetah.
- HUTSON, Mr. W. 1 Tawny Owl.
- ILLIDGE, Mr. E. A. 1 Algerian Tortoise.
- INGRAMS, Capt. W. H., F.Z.S. 1 Slender Mongoose,  
2 Egyptian Kites, 2 Tambourine Pigeons, 1 Half-  
collared Turtle-Dove, 1 Vinaceous Turtle-Dove,  
2 East African Sternotheres, 1 Hawk-billed Turtle,  
1 Striped Frog.
- INKPEN, Mr. H. 1 Greek Tortoise.
- JACKSON, Dr. F. D. S. 1 Chopi Starling.
- JAMES, Dr. Harold L. 1 Rhesus Macaque.
- JEANS, Miss E. M. 1 Roseate Cockatoo.
- JEVERS, Mr. E. F. 1 Brown Capuchin.
- JONES, Miss D Cutler. 1 Alexandrine Parrakeet.
- JONES, Mrs. R. F. Bavington. 1 Greater Sulphur-crested  
Cockatoo.
- JOSEPH, Miss Rose. 1 Alexandrine Parrakeet.
- KATSINA, The Emir of. 2 Grooved Tortoises.
- KEEPING, Mr. W. G. 4 East African Colies, 4 Paradise  
Whydah-birds.
- KENYON-SLANEY, Lady Mary. 1 African Porcupine.
- KEOGH, Mrs. G. L. 1 Larger Hill-Mynah.
- KEW, Royal Botanic Gardens. A collection of "Millions"  
Fish, a Collection of Goldfish, 2 Common Peafowl.
- KINGABY, Mr. G. 1 Crested Newt, 1 Smooth Newt.
- KINLOCH, Mr. A. P. A. H., F.Z.S. 1 Southern Tree-  
Snake.
- KLOSS, Mr. Cecil Boden, F.Z.S. 1 Noisy Rat.
- LANE, Mr. George C. 1 Northern Mocking-bird.
- LANE, The Hon. Mrs. Grace. 1 Rhesus Macaque.
- LATHAM, Capt. G. H., R.E. 1 Cooke's Tree-Boa, 1 Thick-  
necked Tree-Boa, 1 Common Boa.
- LA TOUCHE, Mr. J. D., C.M.Z.S. 1 Great-Eagle Owl,  
1 White-winged Mynah, 1 Finch-billed Bulbul.
- LAURENCE, Mrs. Alice. 1 Bennett's Wallaby.
- LAWRENCE, Mr. S. M. 1 Allen's Porphyrio.
- LAWSON, Mrs. Fred. 2 Blue-breasted Waxbills, 2  
Golden-breasted Waxbills, 1 Violet-eared Waxbill,  
1 Avadavat, 1 Gouldian Grass-Finch, 1 Green  
Singing Finch, 1 Saffron Finch, 1 Red-crested  
Cardinal.

- LAY, Mrs. E. 1 Barn Owl.
- LECALLIER, Madame Valentine, F.Z.S. 1 Vociferous Sea-Eagle.
- LEHMANN, Miss. 1 Roseate Cockatoo.
- LEVER, Mr. Hulme. 1 Nilotic Crocodile.
- LILlicOE, Mr. Robert. 1 Alexandrine Parrakeet.
- LOGAN, Mrs. J. Gordon. 2 European Pond Tortoises.
- LUTWYCHE, Mr. H. 1 Common Badger.
- MACADAM, Miss Clara C. 1 Common Fox, 1 Tawny Owl, 1 Greater Sulphur-crested Cockatoo.
- MCCARTHY, Master G. W. H. 2 Tawny Owls.
- MACFARLANE, Dr. W. F., F.Z.S. 1 Patas Cercopitheque.
- MACFARLANE, Miss Gwyn. 2 Mona Cercopitheques.
- MACHACHLAN, Mr. C. F. 1 Short-eared Owl.
- MACKINNON, Mr. Alex. G., F.Z.S. 4 Rufous Tinamous.
- MACKNIGHT, Mr. W. 2 Red-crested Cardinals, 2 Red-headed Cardinals, 1 Red-crested Finch, 1 Three-coloured Tanager.
- MAIN, Mr. Hugh. 1 Natterjack Toad.
- MAITLAND, Miss. 2 Common Waxbills.
- "MALAYA," H.M.S., The Officers and Crew of. 1 Malayan Sun-Bear.
- MALLET, Sir Claud, C.M.G. 14 Dwarf Toads.
- MANN, Capt. E. H., M.C., B.O.U. 1 African Porcupine.
- MANSFIELD, Mr. S. 1 Bonnet Macaque.
- MARSHALL, Miss A. 1 Barbary Turtle-Dove.
- MASON, Mr. J. E. 1 Tantalus Cercopitheque.
- MAXTED, Mrs. L. W. 1 Lesser Sulphur-crested Cockatoo.
- MELVILL, Mr. Harold. 1 Ring-necked Parrakeet.
- MESSENGER, Mrs. William. 2 Rough-eyed Cayman.
- MILLAR, Mr. Harold. 1 Verreaux's Amethyst Starling, 1 Scarlet-breasted Sunbird.
- MINDHAM, Mrs. A. 1 Blue-fronted Amazon.
- MITCHELL, Mrs. W. R. 2 Black Swans.
- MOFFATT, Mr. E. 2 Black Rats.
- MOORE, Mr. Fred W. 1 Rhesus Macaque.
- MORRIS, Mr. William, F.Z.S. 1 Prevost's Squirrel.
- MUNN, Capt. Henry Toke, F.R.G.S. 2 Snowy Owls.
- MUNNION, Mr. Cecil. 1 Budgerigar.
- MUSEUM, The Oxford. 1 Amblystoma.
- MUSEUM, The Raffles. 1 Indian Cobra.
- NAILER, Mrs. William. 1 Common Chameleon.
- NELKS, Mr. F. 2 Slowworms.

- NEWITT, Mr. E. 2 Regal Horned Lizards.  
 NEWMAN, Capt. E. J. K., C.B.E. 1 Green Cercopitheque.  
 NEWMAN, Mr. R. 1 Moorish Gecko, 2 Chinese Goldfish.  
 NEWTON, Lord, F.Z.S. 2 Hybrid Falcated Duck and  
 Pintail, 1 Hybrid Chilian Pintail and Wigeon.  
 NICHOLLS, Mrs. 1 Kingfisher.  
 NIVEN, Miss Knox. 1 Tantalus Cercopitheque.  
 NOBLE, Capt. Eric. 1 Tench.  
 NOON, Mr. A. 1 Mozambique Cercopitheque.  
 NORTHEY, Maj.-Gen. Sir Edward, K.C.M.G., F.Z.S.  
 2 Lionesses, 1 East African Buffalo.  
 O'BOURKE, Signor Manuel. 1 Fournier's Hutia.  
 O'DONNELL, Mr. Peter. 1 Grey Seal.  
 OKILL, Mr. Cecil. 1 Rhesus Macaque.  
 ORAM, Mrs. 1 Blue-fronted Amazon.  
 ORMROD, Lt.-Col. Peter, F.Z.S. 1 Malayan Palm-Civet.  
 OWEN, Mr. W. 1 Tawny Owl.  
 PAGE, Mr. C. 1 Flap-necked Chameleon.  
 PAGE, Mr. R. P., F.Z.S. 1 Little Owl.  
 PAGET, Capt. R., F.Z.S. 1 Blossom-headed Parrakeet,  
 2 Illiger's Macaws.  
 PAGET, Mrs. R. 1 Meyer's Parrot.  
 PAINTER, Mr. K. V. 1 Black-backed Tanager.  
 PARAMOR, Mr. J. 1 Common Macaque.  
 PARGITER, Miss Rose R. 1 Leadbeater's Cockatoo.  
 PARNELL, Canon Arthur H. 1 Black-winged Peafowl.  
 PARRETT, Mrs. 1 Algerian Tortoise.  
 PAUTARD, Mr. J. E. 1 Mona Cercopitheque.  
 PENFOLD, Mr. A. H. 1 Common Teguxin.  
 PEPLER, Mr. A. J. 1 Common Badger.  
 PERFECT, Lieut. P. 1 Eroded Cinixys.  
 PÉRINGUEY, Dr. Louis, F.Z.S. 14 Black-footed Penguins.  
 PLOWDEN, Miss Gwellan. 1 Barn Owl.  
 POLLARD, Capt. Walter. 1 Nilotic Monitor.  
 POMEROY, Mr. W. K., F.Z.S. 1 Collared Peccary,  
 1 Brazilian Tortoise.  
 POOLE, Mr. W. A. 2 Chaffinches, 1 Yellow Bunting.  
 PORTER, Mr. J. W. 2 White-throated Finches, 2 Orange-  
 cheeked Waxbills, 2 Common Waxbills, 4 Golden-  
 breasted Waxbills, 1 Avadavat.  
 PORTER, Mr. Sydney. 1 Yucatan Jay, 1 Rufous-necked  
 Weaver-bird, 1 Black Tanager, 1 Sayaca Tanager,  
 1 Green-winged Dove.

- POTTER, Mr. Vinson J. 1 Badger.
- PRINCEPS, Mr. Anthony. 1 Blue and Yellow Macaw.
- PURDY, Mr. C. A. 1 Black-winged Peafowl (white var.).
- PYCRAFT, Mr. W. P., F.Z.S. 1 Lesser Egyptian Jerboa.
- RAWNSLEY, Major W. H. 1 Peregrine Falcon.
- RENDELL, Mr. Hugh. 1 Greek Tortoise.
- RICHARDS, Mr. W. C. 1 European Pond Tortoise.
- ROBERTS, Col. and Mrs. Astley. 1 Greater Sulphur-crested Cockatoo.
- ROGERS, Mr. H. E. 1 Crossed Viper.
- ROOKYARD, Mr. E. R. 3 Jays.
- ROSE, Mr. H. 2 European Tree-Frogs.
- ROSS, Sir Charles. 1 Agama Lizard.
- ROTHSCHILD, The Hon. Nathaniel Charles, F.Z.S. 1 Gold Pheasant, 2 Amherst's Pheasants, 7 Hybrid Gold and Amherst's Pheasants, 12 Common Pheasants (white variety), 17 Common Peafowl.
- ROUNTREE, Miss J. E. 1 Hedgehog.
- ROWE, Mr. J. W. 1 Rhesus Macaque.
- H.M.S. "ROYAL SOVEREIGN," The Officers and Men of. 1 Brown Bear.
- RUCK, Miss M. 1 Ring-necked Parrakeet.
- RUSSELL, Mr. James H. 3 Four-banded Chipping Squirrels.
- ST. QUINTIN, Mr. W. H. F.Z.S. 2 Hawfinches, 3 Hybrid Cinnamon and Blue-winged Teal.
- SATOW, Mrs. Adelina. 1 Green Cercopitheque.
- SCALES, Mr. Joseph. 1 Little Owl.
- SCARTH, Mrs. 1 Yellow-fronted Amazon.
- SCHOFIELD, Lt.-Col. F. W. 1 Silver Pheasant.
- SCOTT, Mr. H. 1 Bonnet Macaque.
- SEAGRAVE, Executors of the late Miss N. K. 2 Budget-rigars.
- SEWARD, Capt. Percy W. 1 Badger.
- SEWELL, Miss Frances C. 1 Green-cheeked Amazon.
- SHACKELL, Mr. R. Stanley. 1 Moustache Cercopitheque, 1 White-collared Mangabey.
- SHELMERDINE, Mrs. S., F.Z.S. 2 Herring Gulls.
- SIMPSON, Mrs. Ada. 1 Mozambique Cercopitheque.
- SKELTON, Mrs. Dewar. 1 Grey-headed Love-bird.
- SMITH, Mr. W. J. 1 Black Rat.
- SOMERLEYTON, Lord, P.C., K.C.V.O., F.Z.S. 3 Common Sheldrakes.

- SOPER, Mr. G. 1 Bonnet Macaque.
- SOPPER, Lt.-Col. F. W. 3 Peregrine Falcons, 3 Tawny Owls.
- SOUTHALL, Mrs. Marjorie M. 1 Mozambique Cercopitheque.
- SOUTHCOMBE, Mr. S. 1 Wolf Snake, 1 Green Lizard.
- SPENCE-COLBY, Col. Cecil, C.M.G., D.S.O. 1 Greenland Falcon.
- SPURLING, Master Basil. 1 Little Owl, 1 Barbary Turtle-Dove.
- STEPHENS, Mr. J. R. C. 1 Bosman's Potto, 3 One-streaked Hawks.
- STEVENS, Mrs. F. 1 Ring-necked Parrakeet.
- STEVENS, Mr. Richard. 1 Rhesus Macaque.
- STIRLING, Mr. W. G., F.Z.S. 1 Leopard Tortoise, 1 Brazilian Tortoise, 2 Radiated Tortoises, 7 Algerian Tortoises.
- STOAKLEY, Mr. L. T. 1 Mona Cercopitheque.
- STOKES, Mrs. E. 1 Green Lizard.
- STUART, Mrs. J. A. P. 1 Black Leopard, 1 Leopard Cat.
- SUTHERLAND, H.G. the Duchess of. 1 Banded Mongoose.
- SWAINSBURY, Mrs. 1 Greek Tortoise.
- SWINSTEAD, Mr. A. E. H. 2 Crimson-eared Waxbills, 2 Golden-vented Waxbills, 2 Common Waxbills, 2 Budgerigars.
- TAFFS, Mr. E. W. E. 1 Ring-necked Parrakeet.
- TATCHELL, Mr. Leonard. 2 Quaker Parrakeets, 2 Budgerigars.
- TAVISTOCK, The Marquess of, F.Z.S. 1 Long-tailed Roller.
- TIMMS, Mrs. Beatrice. 1 Quaker Parrakeet.
- TROUP, Miss Connie. 1 Rhesus Macaque.
- TRYDELL, Capt. J. A. S. 1 Tantalus Cercopitheque.
- TUFTON, The Hon. Mrs. C. 1 European Pond Tortoise.
- TURNER, Mrs. F. M. 1 Green Cercopitheque.
- TURNER, Miss. 1 Tawny Owl.
- TYNDALL, Mr. George H. 1 Montagu's Harrier.
- USBORNE, Mrs. Helen. 1 Boddaert's Squirrel.
- VAUGHAN, Mr. Henry C. 1 Kinkajou, 2 Tayras.
- VEVERS, Dr. Geoffrey Marr, F.Z.S. 2 Brown Capuchins, 1 Squirrel Monkey, 1 Hairy-rumped Agouti, 27 Rough-eyed Cayman, 1 Common Boa.



- VIGNERON, Mlle. L. 1 Ring-tailed Lemur.
- VINCENT, Mr. A. M. 1 Little Owl.
- WADE, Mr. John. 1 Kestrel.
- WADDINGHAM, Mrs. B. E. 2 Badgers.
- WAGE, Mrs. Elaine. 1 Alexandrine Parrakeet.
- WAIT, Miss L. M. St. A., F.Z.S. 1 Guttural Finch.
- WAKE, Mr. F. 1 Green Cercopitheque.
- WALKER, Mrs. L. 1 Rhesus Macaque.
- WARBURG, Master E. F. 4 Moorish Geckos.
- WARD, Major E. H., R.M.A. 1 Cheetah.
- WARD, Mr. G. L. 1 Salvin's Amazon.
- WARDEN, Miss, 1 Budgerigar.
- WARREN, Mr. A. L. W. 1 Common Macaque.
- WARREN, Mr. G. 4 Barn Owls, 2 Little Owls.
- WARWICK, The Countess of, F.Z.S. 2 Sooty Mangabeys, 1 Bonnet Macaque.
- WATSON, Mrs. J. M. 1 Common Macaque.
- WEST, Capt. H. M. 1 Bonnet Macaque.
- WEST AFRICAN FRONTIER FORCE, Sierra Leone Battalion. 1 Leopard Cub.
- WHEATCROFT, Mrs. A. 2 Quaker Parrakeets.
- WHITE, Mrs. D. 1 Bonnet Macaque.
- WHITE, Mr. F. W. 1 Bullfinch.
- WHITEHEAD, Mr. Harry. 5 Hedgehogs.
- WILLIAMS, Major D., F.Z.S. 1 Green Cercopitheque.
- WILLIAMS, Lance-corporal F. 1 Senegal Chameleon.
- WILLIAMS, Mr. J. A. 1 Greek Tortoise, 1 Algerian Tortoise.
- WILLSON, Lt.-Col. Beckles. 1 Two-spotted Palm-Civet.
- WILSHAW, Miss Lorna. 1 Algerian Tortoise.
- WILSON, Mrs. Bowes. 1 Grey Mongoose.
- WILSON-BARKER, Capt. Sir David. 4 Bank Vales, 1 Common Dormouse.
- WINN, The Hon. Mrs. Charles, F.Z.S. 1 Red-collared Lorikeet, 1 Lesser Sulphur-crested Cockatoo, 1 Red and Blue Macaw, 1 Blue and Yellow Macaw, 1 Yellow-winged Parrakeet, 2 Tui Parrakeets, 1 Senegal Parrot, 1 Red-winged Parrakeet, 2 King Parrakeets, 1 Pennant's Parrakeet, 5 Rosella Parrakeets, 1 Brown's Parrakeet, 2 Bauer's Parrakeets, 1 Grey-headed Love-bird.

- WOODS, Mr. Arthur R. T. 1 Puma, 1 Ring-tailed Coati,  
4 Hairy Armadillos, 9 South-American Sand-  
Toads.
- WOOLMER, Col. E. 2 Common Teguxins.
- WORMALD, Mr. Hugh, F.Z.S. 1 Hybrid Pintail and  
Falcated Duck, 2 Hybrid Pintail and Chilian Pintails,  
1 Hybrid Chilian Pintail and Chilian Teal, 1 Hybrid  
Chilian Pintail and Bahama Duck.
- WYNDHAM, Mr. P., C.I.E., C.B.E., I.C.S. 2 Northern  
Lynxes.
- YARROW, Mr. F. J., F.Z.S. 1 Grey Parrot.
- YATES, Mr. Arthur. 1 Hybrid Reeves's and Common  
Pheasant.
- ZOOLOGICAL GARDENS, GIZA. 2 Four-toed Jerboas, 2  
Egyptian Jerboas, 2 Hairy-footed Jerboas, 2 Leith's  
Tortoises.
- ZOOLOGICAL SOCIETY, NEW YORK. 2 Painted Terrapins,  
4 Sculptured Terrapins, 3 Speckled Terrapins, 3  
Carolina Box Tortoises, 6 False Moccasins, 5 American  
Black Snakes, 2 Testaceous Snakes, 1 Corais Snake,  
2 Bull Snakes, 6 Hog-nosed Snakes, 2 King Snakes,  
3 Moccasins, 2 Copperheads, 10 Horrid Rattlesnakes,  
4 Bull Frogs.

## ACCOUNTS.

31. STATE OF THE FINANCES.—The Report of the Auditors of the Accounts for 1921 is issued to Fellows, bound with this report.

32. ASSETS 1920 AND 1921.—The Total Assets of the Society amounted to £123,990 10s. 6d., an increase of £15,818 19s. 10d. on the corresponding figures for 1920. This is due chiefly to the large sum carried forward. The valuation of the Library has also been increased by £5,000 to bring it more in accordance with the actual value of the books and in special consideration of the great value of the Jones Bequest (p. 13).

33. LIABILITIES 1920 and 1921.—The cash and contingent liabilities amounted to £8,807 14s. 7d., a decrease of £4,137 13s. 7d. on the corresponding figures for 1920, due partly to a further £2,000 of the loan from the Bankers having been repaid, and partly to an accidentally smaller number of outstanding bills.

34. BALANCE 1920 AND 1921.—The balance, a surplus of assets over liabilities, amounted to £115,182 15s. 11d., an increase of £19,956 13s. 5d. over the corresponding figure for 1920, and representing the sum of the increase in assets (paragraph 32) and decrease in liabilities (paragraph 33).

35. INCOME 1920 AND 1921.—There was again an increase in the income for 1921, due chiefly to increases in the income from Fellows' Subscriptions and Refreshment Room profits which more than counter-balanced a decrease in the gate money.

36. EXPENDITURE 1920 AND 1921.—There was a net decrease in expenditure, due partly to a smaller number of new animals having been purchased and partly to a slight fall in the cost of materials and provisions.

37. GENERAL STATE OF THE FINANCES.—The Council are again able to report that the finances of the Society are in satisfactory condition. It seemed right to exercise the utmost economy from the beginning of the War and this policy enabled the Society to conserve and even to improve its reserves. The time has now come when it seems equally prudent to employ some of the reserves in the furtherance of the Society's objects.

38. 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 15th, 1922.

# REPORT OF THE COMMITTEE OF AUDITORS OF THE ACCOUNTS

OF THE

# ZOOLOGICAL SOCIETY

OF LONDON,

APPOINTED 18th JANUARY, 1922.

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In accordance with Chapter X. of the By-laws we have examined and approved the Accounts of the Society for the year ended 31st December, 1921, as presented to us by Messrs. W. B. Keen & Co., Chartered Accountants, the Auditors appointed to assist us in our duties. We report to the Society that at that date the Total Assets amounted to £123,990 10s. 6d. and the Liabilities to £8,807 14s. 7d. The General State of the Funds of the Society therefore shewed a surplus of Assets over Liabilities amounting to £115,182 15s. 11d. The Cash in the Bankers' hands and at the Office amounted to £11,944 9s. 4d.

The Books, Accounts and Vouchers have been audited and certified by Messrs. W. B. Keen & Co., and for the further information of the Fellows of the Society a Balance Sheet and Income and Expenditure Account for the year are annexed hereto.

The result of the working of the Refreshment Department for 53 weeks ended 1st October, 1921 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 Statement of Accounts with the Books of the Society 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 according to the best of our information and the explanations given to us and as shewn by the Books of the Society.

(Signed) FRED W. CLARK (*Chairman*).  
STANLEY EDWARDS.  
CHAS. H. GITTENS.  
FREDERICK J. GOODCHILD.  
J. E. SAUNDERS.  
JOHN TULLY.

The Zoological Society of London,  
Regent's Park, N.W. 8.  
23rd February, 1922.

Corresponding  
figures  
31st Dec., 1920.

## LIABILITIES.

£	s.	d.	£	s.	d.	£	s.	d.	
5,538	0	5	To Sundry Creditors for Rent, Taxes, Printing, &c.	3,366	0	0			
			„ Messrs. Drummond—						
			Loan Account ... ..	5,000	0	0			
5,000	0	0	Less Paid off during year ... ..	2,000	0	0			
				3,000	0	0			
550	6	0	„ Subscriptions received in advance ... ..	578	10	7			
			„ Davis Trust Fund—						
53	4	0	Dividends on Investment, payable to Editor of "Zoological Record"— ... ..	53	4	0			
1,803	17	9	„ RESERVES FOR WORKS, &c. ... ..	1,720	0	0			
			„ RESERVE FOR LIBRARY—						
			Captain Treacher Bequest ... ..	98	0	0			
			„ BALANCE, BEING EXCESS OF ASSETS OVER LIABILITIES, viz. :—						
			Composition Funds—						
			Balance at 1st January, 1921	£10,305	0	0			
			Add 11 Fees @ £45 re- ceived during year ... ..	495	0	0			
10,305	0	0		10,800	0	0			
			„ General Purposes—						
			Balance at 1st January, 1921	£62,548	2	2			
			Add—						
			Excess of Income over Expenditure during year... ..	14,032	4	5			
			Increase in value of Animals in Menagerie	1,701	5	0			
			Addition of Books in Library during 1921	5,000	0	0			
62,548	2	2		83,281	11	7			
			„ Animal Insurance and Purchase Fund—						
			Balance at 1st January, 1921 ... ..	£1,142	12	5			
1,142	12	5	Add Interest received ... ..	28	4	0			
				1,170	16	5			
£86,941	2	9	Carried forward ... ..	£95,252	8	0	£8,807	14	7

Corresponding  
figures  
31st Dec., 1920.

## ASSETS.

£	s.	d.	£	s.	d.	£	s.	d.
			By Animals in Menagerie at Regent's Park as at 31st December, 1920 ... ..	15,524	15	0		
			Add Net Increase at 31st December, 1921 ... ..	1,701	5	0		
15,524	15	0	As per valuation by Society's Officials—	17,226	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		
			„ Fittings in Buildings and Enclosures at the Gardens, Regent's Park (not valued) ... ..					
			„ Books in Library—					
			As per last Balance Sheet ... ..	23,480	15	0		
			Addition during 1921 ... ..	5,000	0	0		
23,480	15	0		28,480	15	0		
500	0	0	„ Unsold Publications (estimated value) ... ..	500	0	0		
500	0	0	„ Stock of "Zoological Record" (estimated value)	500	0	0		
1,000	0	0	„ Stock of Official Guides (estimated value) ... ..	500	0	0		
50	0	0	„ Petrol Users and Traders Supply, Ltd., 50 Shares of £1 each, at Cost ... ..	50	0	0		
			„ Debts due to the Society (since received or con- sidered good)—					
			Rent of Freehold Property, Hanover Square	300	0	0		
			Arrears of Fellowship Subscriptions, £163, estimated to realise ... ..	66	0	0		
			Arrears of Fellowship Admission Fees, £170, estimated to realise ... ..	170	0	0		
			Publication Sales ... ..	117	2	10		
			"Zoological Record" Sales ... ..	187	14	4		
			Miscellaneous ... ..	162	16	1		
1,017	1	1		1,003	13	3		
578	11	6	„ Rates and Insurance paid in advance ... ..	567	12	8		
			„ Investments of Composition Funds, 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		
			£4,385. 18s. 8d. 5 per cent. War Stock ... ..	4,020	0	0		
10,260	0	0		10,665	0	0		
£85,033	5	6	Carried forward ... ..	£91,615	3	10		

Corresponding  
figures,  
31st Dec., 1920.

## LIABILITIES.

£	s.	d.		£	s.	d.	£	s.	d.
86,941	2	9	Brought forward ...	95,252	8	0	8,807	14	7
To Refreshment Room Rebuilding Fund—									
			As at 1st January, 1921 ...	13,562	17	8			
			Less amount of expenditure during year ...	1,600	0	0			
13,562	17	8		11,962	17	8			
„ Refreshment Department—									
			Plant, &c., Renewals Fund as at 1st January, 1921 ...	2,400	0	0			
			Add further Transfer from profits for 53 weeks to 1st Oct., 1921, to be paid over	300	0	0			
				2,700	0	0			
			Amount retained for Working Capital ...	300	0	0			
2,700	0	0		3,000	0	0			
„ Reserve for Depreciation of Investments—									
4,967	10	3	As at 1st January, 1921 ...	*4,967	10	3			
				115,182	15	11			

\*NOTE.—At Minimum Stock Exchange Quotations at 31st December, 1921, the Securities held were valued at £27,925 19s. 3d., shewing a Depreciation on original cost of £2,569 18s. 1d.

£108,171 10 8

£123,990 10 6

Corresponding  
figures,  
31st Dec., 1920.

## ASSETS.

£	s.	d.		£	s.	d.	£	s.	d.
85,033	5	6	Brought forward ...	91,615	3	10			
By Investment on Account of Animal Insurance and Purchase Fund, at Cost, £1,610 16s. 8d.—2½ per cent. Consolidated Stock ...									
1,000	0	0		1,000	0	0			
„ 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			
£2,500 5½ per cent. Exchequer Bonds, 1925									
				2,500	0	0			
13,562	17	8		13,562	17	8			
„ Refreshment Department Current Assets at 31st December, 1921—									
To be Invested ...									
				300	0	0			
Retained for Working Capital ...									
				300	0	0			
600	0	0		600	0	0			
„ Investments on Account of Refreshment Depart- ment Plant, &c., Renewals Fund, at Cost, £312 17s. 1d. New South Wales 4 per cent. Stock ...									
				300	0	0			
£300 5¼ per cent. Exchequer Bonds, 1925 ...									
				300	0	0			
£1,970 19s. 8d. 5 per cent. War Stock ...									
				1,800	0	0			
2,100	0	0		2,400	0	0			
„ Investments on Account of Depreciation of Investments Fund, at Cost, £1,000 5¼ 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			
2,867	19	8		2,867	19	8			
„ Cash at Bank, General Account ...									
2,766	11	5		2,807	18	5			
„ „ „ „ Deposit Account ...									
				8,500	0	0			
„ „ „ „ Davis Trust Fund ...									
53	4	0		53	4	0			
„ „ „ „ Animal Insurance and Purchase Fund ...									
142	12	5		170	16	5			
„ Cash at Bank, Composition Funds ...									
45	0	0		135	0	0			
„ „ „ „ Office ...									
				277	10	6			
				11,944	9	4			
				£123,990	10	6			

£123,990 10 6

## INCOME AND EXPENDITURE ACCOUNT.

FOR THE YEAR ENDED 31ST DECEMBER, 1921.

Corresponding  
figures,  
31st Dec., 1920.

## INCOME.

£	s.	d.		£	s.	d.	£	s.	d.
2,360	0	0	Admission Fees (New Fellows) ... ..	1,810	0	0			
12,076	0	0	Subscriptions (Fellows) ... ..	12,721	0	0			
			Compositions—						
			Balance of uninvested Funds transferred in respect of the year— ... ..						
100	0	0	Dividends and Interest received ... ..	1,362	12	7			
1,273	5	5	Sale of Animals, &c. ... ..	129	12	8			
280	12	4	Rent of Refreshment Rooms ... ..	1,000	0	0			
1,000	0	0	Rent of Bath Chairs ... ..	11	0	0			
11	0	0	Rent, Hanover Square ... ..	1,200	0	0			
840	0	0							
49,334	18	1	Admissions to Gardens... ..	46,509	2	10			
1,637	17	10	Riding Receipts... ..	2,427	19	10			
			Sale of Official Guides and Picture Postcards ... ..	3,625	10	10			
			Less Expenses, Printing, &c. ... ..	2,159	15	4			
			Deduct Stock on hand—estimated ... ..	500	0	0			
				1,659	15	4			
2,214	19	9		1,965	15	6			
484	1	8	Lavatories ... ..	519	12	0			
361	16	1	Sale of "Zoological Records" ... ..	738	1	8			
68	15	0	Sale of Transferable Ivory Tickets and Photo- graphers' Permits ... ..	103	5	0			
4	1	4	Miscellaneous Receipts... ..	17	15	8			
4,854	10	6	Refreshment Department Profit to October 1st, 1921	8,857	12	1			
			Income Tax deducted from Dividends, etc., recovered	645	3	10			
			Lectures and Demonstrations:—						
			Grants from London County Council ... ..	100	0	0			
			Less Working Expenses ... ..	51	0	0			
17	1	0		49	0	0			
2,009	10	6	Balance, being excess of Expenditure over Income, carried to Balance Sheet ... ..						
£78,928	9	6	Carried forward ... ..	£80,067	13	8			

Corresponding  
figures,  
31st Dec., 1920.

## EXPENDITURE.

£	s.	d.		£	s.	d.	£	s.	d.
3,108	15	5	Rent, Rates, Taxes and Insurance, Gardens ... ..	3,461	4	2			
277	10	0	Property Tax, Refreshment Department ... ..	277	10	0			
14,474	15	11	Salaries, Staff and Keepers, Gardens ... ..	15,917	5	9			
3,180	18	2	Do. Office ... ..	3,679	6	6			
1,105	11	0	Pensions, Gardens ... ..	1,086	16	0			
381	10	0	Do. Office ... ..	355	0	0			
10,505	7	5	Provisions, including Storekeeper's Wages ... ..	9,869	19	1			
4,696	14	2	Cost and Carriage of New Animals ... ..	2,512	16	10			
			Menagerie Expenses:—						
			£ s. d.						
2,279	4	3	Fuel ... ..	1,392	1	2			
292	1	7	Straw ... ..	209	0	6			
963	17	0	Water ... ..	908	4	5			
735	5	2	Keepers' Uniforms ... ..	564	15	8			
279	0	2	Cages, Fittings, &c. ... ..	413	3	8			
189	13	6	Sand, Sawdust, Turf, &c. ... ..	213	1	11			
22	18	4	Medical Attendance ... ..	50	7	6			
93	0	7	Labels and Drawings ... ..	77	18	7			
14	3	1	Sanatorium and Veterinary Expenses	22	3	6			
35	7	11	Cart repairs, Saddlery, &c. ... ..	111	4	2			
291	0	7	Net Cost of Upkeep of Motors ... ..	374	16	2			
241	8	2	Cleaning Materials and Disinfectants	241	1	11			
50	0	0	Refuse removal ... ..	77	1	8			
63	11	0	Police Attendance ... ..	56	14	0			
177	19	11	Gas and Repairs to Ventilating Engine	105	14	7			
61	1	10	Sundries ... ..	56	2	9			
5,789	13	1		4,873	12	2			
			Prosectorium Expenses:—						
			Salaries ... ..	908	7	1			
			Chemicals, Apparatus, &c. ... ..	159	11	4			
1,213	18	3		1,067	18	5			
			Maintenance of Buildings, Paths, &c., Gardens:—						
			Wages ... ..	5,218	2	7			
			Materials, &c. ... ..	3,076	9	8			
9,106	7	7		8,294	12	3			
			Gardeners' Expenses:—						
			Wages ... ..	3,160	18	0			
			Seeds, Plants, Implements, &c. ... ..	457	5	3			
3,400	6	3		3,618	3	3			
			Carried forward ... ..	£55,014	4	5			





INCOME AND EXPENDITURE ACCOUNT—continued.

Corresponding Figures, 31st Dec., 1920.		INCOME.		Corresponding Figures, 31st Dec., 1920.		EXPENDITURE.			
£	s. d.	£	s. d.	£	s. d.	£	s. d.		
78,928	9 6	Brought forward	...	80,067	13	Brought forward	...	63,407	13 11
						Miscellaneous Payments:—			
						Silver Medals	...	10	13 0
						Miscellaneous	...	8	2 9
				119	7 10				18 15 9
						Expenditure on Works, etc.:—			
						Refreshment Pavilion	...	1,600	0 0
						Less Reserve	...	1,600	0 0
						Wader's Aviary	...	1,847	0 6
						Less Reserve	...	1,803	17 9
								43	2 9
						Lavatory, Main Gate	...	845	16 10
				7,369	18 1				888 19 7
						Amount reserved for Works, etc.:—			
						(Refreshment Department Profit)			
						Otter Pond (Replacement)	...	670	0 0
						Alterations to Gates	...	450	0 0
						Income Tax	...	600	0 0
				4,854	10 6				1,720 0 0
				78,928	9 6				66,035 9 3
						Balance, being excess of Income over Expenditure, carried to			
						Balance Sheet	...		14,032 4 5
<u>£78,928</u>	<u>9 6</u>			<u>£80,067</u>	<u>13</u>			<u>£80,067</u>	<u>13 8</u>

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 1600  
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 845 16 10  
 4292 17 2

DAVIS TRUST FUND.

£1,900 London and South Western Railway New 4 per cent. Preference Stock.

£53 4 0	Dividends	...	£53 4	£53 4 0	Payable to Editor of "Zoological Record"	...	£53 4 0
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We hereby certify that we have audited the Books, Accounts and Vouchers of the Society for the year ended 31st December, 1921, and have found them to be in order and that the above Balance Sheet and accompanying Income and Expenditure Account truly set forth the position as shown by the Books of the Society. We have verified the Investments and the Cash Balances, and have received all the explanations and information we have required.

23, Queen Victoria Street, E.C. 4,  
 21st February, 1922.

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