June 7th, 1884 (at Oxford). This was the first meeting of the Society to be held at Oxford, where Professor Burdon Sanderson was now established.

The following members were present at the dinner, which was held at Magdalen College: Professor Burdon Sanderson in the chair, Messrs W. B. Carpenter, E. A. Schäfer, D. Ferrier, E. Klein, A. Gamgee, F. J. M. Page, F. Gotch, C. H. Golding-Bird, W. H. Gaskell, and several guests (not specified). This was preceded by a scientific meeting. No business is recorded as having been transacted at the dinner.

November 8th, 1884 (at the Café Monico). This was the ninth Annual Meeting. Professor M. Foster in the chair. Fourteen other members attended, namely, John Marshall, Ferrier, Wooldridge, Pye, Roy, Bell, Cash, Lea, Page, Groves, Gaskell, McCarthy, D'ArCY Power and Yeo. Mr W. Heape was present as a guest introduced by Lea.

Mr Walter Heape (F.R.S. 1906) is the well-known embryologist.

At this meeting, besides the election of Committee, Dr W. H. Gaskell was elected Treasurer vice Mr G. J. Romanes, resigned; a cordial vote of thanks to Mr Romanes for his services being passed. The finances were reported as satisfactory but the printing of the Proceedings had greatly reduced the usual credit balance.

Twelve new members were elected as follows: W. Watson Cheyne, A. de Watteville, J. McGregor Robertson (Glasgow), G. A. Buckmaster (Oxford), V. A. H. Horsley, J. McWilliam, Sydney Ringer, E. F. Herroun (King's College), J. W. Barrett (King's College), E. B. Poulton (Oxford), Sidney Hickson (Oxford), W. Gardiner (Cambridge).

Dr J. McGregor Robertson was Lecturer in Physiology in the University of Glasgow, and assistant to Professor McKendrick: he was the author of a small Handbook of Physiological Physics.

Dr G. A. Buckmaster is Professor of Physiology in the University of Bristol.

Dr J. W. Barrett is now Sir James Barrett, C.M.G., a well-known ophthalmic surgeon in Melbourne.

Mr E. B. Poulton is Professor Poulton (F.R.S. 1889), Hope Professor of Entomology in Oxford.

Mr Sidney Hickson is Professor S. J. Hickson (F.R.S. 1895), who has lately retired from the chair of Zoology in the Owens College, Manchester.
HISTORY OF THE PHYSIOLOGICAL SOCIETY

W. Gardiner is Dr Walter Gardiner (F.R.S. 1890), Fellow and Bursar of Clare College. He was awarded a Royal Medal of the Royal Society in 1898 for his work on Protoplasmic Continuity in Plants.

Dr Roy drew attention to the projected memorial to the late Professor Cohnheim, and invited subscriptions from members—the Society itself having no available funds. The members present immediately put down subscriptions to the amount of £20, and it was decided to invite absent members to join the list.

December 13th, 1884 (at University College). Were present: Professor Schäfer (in the chair), McWilliam, Ringer, Wooldridge, Sanderson, Lankester, Romanes, Horsley, Thane, McCarthy, Gotch, Hickson, Lea, Cheyne, Power, Yeo and Golding Bird—and as guests, Drs McMunn, Bennett, Phillip, MarceI, Dudley Buxton, Martin, Green and Halliburton.

Dr W. McMunn, a graduate of Trinity College, Dublin, was a busy practitioner in Wolverhampton who devoted his leisure time to the examination and description of spectra of animal and vegetable colouring matters. His work was recognised as of a high order, and was frequently brought to the attention of the Society. He served in the South African War, 1889–92. He died in 1911.

Phillip is meant for Dr C. D. F. Phillips, who had been a physician in Manchester, but had retired from practice—the result of a railway injury. He was living in London, and working in the Physiological Laboratory of University College.

Dr Dudley Buxton was for many years anaesthetist to University College Hospital; he was at this time working in the Physiological Laboratory of University College. He has now retired.

Dr S. H. C. Martin (F.R.S. 1895), was also working in the University College Laboratory. He subsequently became Assistant Physician and ultimately Physician to University College Hospital, and succeeded Victor Horsley in the Chair of Pathology in University College. He died in 1924.

A suggestion, emanating from Dr Gamgee, that the Society should discuss points of interest concerning which differences of opinion existed was not received favourably by the members, a majority of whom were of opinion that such discussions ought not to be allowed to displace demonstrations.

February 14th, 1885 (at King's College). Mr Clinton T. Dent was in the chair; the other members present being Messrs Lea, Gaskell, Hickson,
Cash, Cheyne, McWilliam, Groves, Page, McCarthy, Barrett and Yeo, as well as two guests, Dr R. H. Clarke and Dr Syne (probably Symes, see p. 93).

Dr Clarke is best known for his work on brain localisation as determined by destructive electrolysis with the aid of a very precise instrument devised by him for the purpose. He was working at this subject with Horsley. He died in 1926.

The only business was a discussion on methods of combating the anti-vivisectionist agitation by dissemination of certain papers. The matter was referred to the Association for the Advancement of Medicine by Research.

March 21st, 1885 (at University College). Professor Burdon Sanderson was in the chair at the dinner: the other members present being Sydney Ringer, McWilliam, McCarthy, Schäfer, Thane, Page, Poulton and Herroun, as well as seven guests, namely, C. D. F. Phillips, Dudley Buxton, Sidney Martin, W. D. Halliburton, Rose Bradford, R. Meldola and W. M. Bayliss.

Dr Rose Bradford is now Sir John Rose Bradford, K.C.M.G., C.B., C.B.E., President of the Royal College of Physicians. He was at this time working with Bayliss in the University College Laboratory at the electrical changes of secreting glands.

Mr R. Meldola is Professor R. Meldola, F.R.S., an eminent chemist and biologist. He died in 1915.

William Maddox Bayliss (F.R.S. 1903), who has just been mentioned as working with Bradford, was destined to become one of the most distinguished physiologists of the day. His investigations covered a wide field—vaso-motor nerves, secretion, physico-chemical problems in physiology, etc.—and were throughout marked by originality and accuracy. These qualities secured the awards successively by the Royal Society of a Royal Medal and of the Copley Medal, the last in 1922. He was knighted the same year. Much of Bayliss' work was performed in conjunction with others, e.g. that on the electrical changes accompanying secretion with Rose Bradford, and that on the action of the heart, on the secretion of the pancreas and on the movements of the intestines

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1 The minutes of this meeting are in an unusual handwriting.
with Ernest Starling, whose sister he married. His book on "General Physiology," familiar to physiologists, is characterised by its philosophical method of treating the subjects comprised under that term: it could only have been carried to a successful issue by one possessing the highest intellectual attainments. In 1912 the title of Professor of General Physiology was conferred upon him by the University of London. His untimely death in 1924 is still deplored not only by members of this Society—of which for many years he acted as one of the Secretaries (and for a short time as Treasurer)—but by physiologists throughout the world.

May 9th, 1885 (at Cambridge). Professor Foster was in the chair: the following also were present: Ringer, Pye-Smith, de Watteville, Gaskell, Barrett, D. McAlister, Roy, Lea, Gardiner, Groves, Yeo and Langley, besides nine guests. Of the latter may be especially mentioned Mr Coutts Trotter, Fellow and Vice-Master of Trinity College, Professor Haycraft and Dr Edkins.

Professor J. Berry Haycraft was Professor of Physiology in Mason College, Birmingham, and afterwards in University College, Cardiff. He died in 1922. Haycraft discovered the anti-coagulating action of hirudin.

Dr Edkins is now Professor of Physiology at Bedford College, London.

November 14th, 1885 (at Gatti's Restaurant, Strand). At this, the tenth Annual Meeting, Dr Donald McAlister was in the chair; other members present being Sanderson, Gaskell, Cash, Pye-Smith, Ringer, Klein, McWilliam, Wooldridge, Bell, Lea, Horsley, McCarthy, Page, Groves, Thane, Power and Yeo; also Dr Toms of the U.S.A. army as guest of the Chairman.

The Secretary reported that the constitution of the Society had undergone fundamental alteration, the effects of which were not yet fully felt.1

The Treasurer reported a credit balance of £35.

Eleven new members were elected. They are Walter Tyrell Brooks (Oxford), Frederick W. Mott, J. R. Green, C. A. McMunn, W. D. Halliburton, S. H. C. Martin, Alexander McAlister, C. S. Sherrington, Alexander Hill, J. M. Purser, B. W. Ransom. The list contains an unusual number of names of men who subsequently attained distinction.

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1 This remark refers to the considerable increase in numbers and to the fact that the scientific meetings were now better patronised than the dinner meetings.
Dr Frederick W. Mott is the eminent pathological neurologist, afterwards Sir Frederick Mott, K.B.E., F.R.S. At this time he was working in the Physiological Laboratory of University College on conduction in the spinal cord; subsequently he became lecturer on Physiology, first at Liverpool, and afterwards at Charing Cross Medical School.

When the London County Council decided to establish a laboratory in connexion with their Mental Hospital at Claybury, Mott was made the first Director. He was knighted in 1919 for his scientific eminence and his services during the War. He died on June 8th, 1926, at the age of 72.

Professor Joseph Reynolds Green (F.R.S. 1895) was at this time Senior Demonstrator in Physiology at the University of Cambridge. In 1902 he was elected Fellow and Lecturer of Downing College, Cambridge, and subsequently became Hartley Lecturer in Vegetable Physiology in the University of Liverpool. He died in 1914.

Dr C. S. Sherrington is now Sir Charles Sherrington, G.B.E., O.M., F.R.S., Waynflete Professor of Physiology in the University of Oxford. From the first he took a prominent part in the Society, but it is neither necessary nor appropriate here to give a narrative of his career, since he is fortunately still with us. Nevertheless an account of the history of the Society would be incomplete without mention of the fact that he was the first physiologist to occupy the position of President of the Royal Society (1920–1925). This unique distinction was commemorated by a dinner given to him by the members of the Society at the Café Royal on March 11th, 1921.

Dr Alexander Hill was working at this time in Foster's laboratory. Subsequently he became a Fellow, and eventually Master, of Downing College and Vice-Chancellor of the University of Cambridge. Later he was appointed President of University College, Southampton. He is now Secretary of the Universities' Bureau of the Empire.

Dr W. B. Ransom was working in Foster's laboratory. He afterwards joined his father in practice as a physician in Nottingham. He resigned from the Society in 1901 and died in 1907.

Dr J. M. Purser was at that time Professor of the Institutes of Medicine in Trinity College, Dublin, where he became subsequently Regius Professor of Physic.
A letter of condolence was directed to be sent by the Secretary to the relatives of the late Dr W. B. Carpenter, an honorary member of the Society, who had recently died under tragic circumstances.

The minutes of the remaining meetings of this session (1885–6) show nothing of special interest. They were held at the usual places, King's College (December), University College (February), Oxford (March), and Cambridge (May). All were preceded by scientific gatherings in the respective laboratories, the proceedings at which are published in the *Journal of Physiology*.

*November 13th, 1886 (at Gatti's Restaurant).* This was the eleventh Annual Meeting. Dr Burdon Sanderson was in the chair, and other members present were Gaskell, Foster, Klein, McCarthy, Waller, Wooldridge, Ringer, Lea, Pye-Smith, Page, Mott, Thane, Bell, Power, North, Langley, Schäfer, Yeo and Groves. There were three guests, namely, Dr Savage, Dr Edkins and Dr Sanger Brown.

Dr George Henry Savage, afterwards Sir George Savage, was an eminent London psychiatrist. He died in 1921 at the age of 79.

Dr Sanger Brown, an American psychiatrist from New York, is now at Chicago. He was at this time working with Professor Schäfer in the University College Laboratory at sensory localisations in the brain of the monkey.

After election of Committee and Officers, the following candidates were admitted to membership of the Society: E. M. Crookshank (King's College, London), William Ewart (London), William Marcet, E. Waymouth Reid (Cambridge), J. R. Bradford, J. Hughlings Jackson, F. A. Dixey (Oxford), C. D. F. Phillips, R. Norris Wolfenden (Cambridge), Sheridan Delépine, James Blake (London) and R. Milne Murray (Edinburgh).

Dr E. M. Crookshank was Professor of Comparative Pathology and Bacteriology in King's College.

Dr William Ewart was a London physician attached to St George's Hospital, interested in physiological questions.

Dr E. Waymouth Reid (F.R.S. 1898) is now Professor of Physiology at Dundee.

Dr J. Hughlings Jackson (F.R.S. 1898), is the famous neurologist who first described the symptoms produced by traumatic
excitation of the cerebral cortex, known as "Jacksonian epilepsy."

He was born in 1835. Appointed to the London Hospital in 1864 he served as Assistant Physician and Lecturer on Physiology until 1874, when he became full Physician. He occupied a similar position at the National Hospital for the Paralysed and Epileptic from 1863 to 1906. He was the first President of the Neurological Society, which is now merged into the Neurology Section of the Royal Society of Medicine. He died in 1911 at the age of 76.

Dr F. A. Dixey (F.R.S. 1910), of Wadham College, Oxford, studied medicine at University College Hospital. He went with Burdon Sanderson to Oxford in 1883 as Lecturer on Histology.

Dr James Blake was at the time in practice in London. He afterwards went to California.

Dr R. Milne Murray was a physician in Edinburgh and Lecturer on Physiology in the extra-mural school.

The minutes of this meeting have not been signed and there are no minutes of a December meeting—which was generally held at King's College. But the King's College meeting appears to have been held in March (see p. 84) since the minute regarding it occurs after that of the February meeting, and is signed J. N. Langley, May 14, 1887. There was probably some entry made between the accounts of the November and February meetings but it has disappeared, *four leaves having here been cut out of the Minute Book* (cf. p. 48).

*February 12th, 1887* (at University College). This is the next meeting mentioned in the minutes. Professor Schäfer was in the chair at the dinner: other members present were Foster, Power, Langley, Bradford, Gotch, Page, North, Gaskell, Ringer, Marcet, Horsley, Halliburton, S. Martin, Ransom, Pye-Smith, Lea and Yeo, and five guests, viz. E. P. France, S. Brown, F. Semon, Bevor (sic), Foster (?).

Mr E. P. France was research assistant to Professor Schäfer.

Dr Semon, afterwards Sir Felix Semon, the laryngologist, was working in the laboratory of University College, and later (with Horsley) at the Brown Institution. He was the founder of the Laryngological Society, now merged in the Royal Society of Medicine. He died in 1926 aged 72.

Dr C. E. Beevor (misspelt in the minutes) was working at the Brown Institution with Horsley, who had succeeded Sanderson there as Professor Superintendent. He became Physician to the
National Hospital for the Paralysed and Epileptic and was President of the Neurological Society in 1907. He died in 1908.

The Secretary announced the death of Mr W. H. Waters of Manchester, who had been a member since 1882.

It was decided to have a second meeting in each session for the election of new members.

No date is affixed to the minutes of the next meeting which was held at King’s College—probably on March 12th. Dr Blake was in the chair and eight other members were present, viz. Foster, Schäfer, Bradford, North, Page, McMunn, Crookshank and Yeo; and Mr Liddell as guest.

May 14th, 1887 (at Cambridge). The dinner was in St John’s College. Mr Langley occupied the chair; other members present were Foster, Purser, Gaskell, Bradford, Gardiner, Gotch, Green, Halliburton, A. Hill, Horsley, Lea, D. McAlister; Marcet, Poulton, Murray, Mott, Page, Phillips, Ransom, Roy, Schäfer, Sherrington, Thane and Yeo, as well as “several guests.” No business was transacted, but it was agreed to accept an invitation from Professor Sanderson to meet at Oxford on July 2nd.

July 2nd, 1887 (at Oxford). At this meeting, the date of which is omitted from the minutes, the dinner was held at Magdalen College with Professor Sanderson in the chair. Other members present were Foster, North, Halliburton, Page, Bradford, Delépine, Phillips, Mott, Martin, Ransom, Gotch, Buckmaster, Gaskell, Poulton, Brunton, Brooks, McAlister, Waller and Yeo, and seven guests.

Of the guests the most noteworthy was Dr J. S. Haldane (F.R.S. 1897), whose name appears for the first but by no means the last time in the Society’s minutes. Dr Haldane was elected a member at the next meeting.

November 12th, 1887. The twelfth Annual Meeting was held in Gatti’s Restaurant, Strand.1 Mr Henry Power was in the chair: the following were also present: Foster, Lea, McCarthy, D’Arcy Power, Gotch, Page, North, Groves, Langley, Delépine, Ringer, Pye-Smith, Mott, Phillips, Marcet, Gaskell, Wooldridge, Crookshank and Yeo.

1 The date has again been omitted, but the chairman in signing the minutes of the preceding meeting has added the above date to his signature.
The Secretary reported the resignation of two members, Dr Barrett\(^1\) of Melbourne (p. 77) and Dr Bettany.

The Treasurer reported that there was a credit balance of £100. 16s. 9d. It was resolved to contribute £20 to the Donders Testimonial Fund.

The Secretary was instructed to put himself in communication with the Professor of Physiology at Bern with a view of instituting an international meeting of physiologists in that town during the summer session.

This was the first step in the direction of organising the Triennial International Congresses of Physiology. The first congress was however not held at Bern but at Basel in 1889 (see p. 91).

After election of the Committee, which consisted of Dent, Foster, Horsley, Langley, Lea, Pye-Smith, Sanderson, Schäfer, McKendrick and Waller, the following new members were elected to the Society: J. G. Adami (Cambridge), G. Haslam (Manchester), C. E. Beevor (London), J. S. Edkins (Cambridge), A. F. S. Kent (Manchester), J. S. Haldane (Oxford), H. Head (Cambridge), C. J. Martin (King's College, London).

Dr J. G. Adami, O.B.E. (F.R.S. 1905), the distinguished pathologist, was then working at Cambridge with Roy. In 1892, at the age of 30, he was appointed Professor of Pathology in McGill University, Montreal. In 1919 he was invited to Liverpool as Principal and Vice-Chancellor. He died in August, 1926.

Dr Stanley Kent was at this time Demonstrator of Physiology in Owens College. Later he became the first Professor of Physiology in the newly established Bristol University, but resigned that post in 1919 to undertake research work in connection with industrial fatigue.

Dr C. J. Martin (F.R.S. 1901), now Sir Charles Martin, C.M.G., is the Director of the Lister Institute at Chelsea. He was for some years Professor of Physiology in Melbourne.

Invitations to meet in December in the Bacteriological Laboratory in King's College, and in February at University College, were accepted.

*February 11th, 1888 (at University College).* Dr Sanderson was in the chair. The other members present at the dinner were Gaskell, Caton,

\(^1\) Dr Barrett rejoined the Society later (p. 110).
Beevor, Halliburton, Lea, Head, North, McCarthy, Haldane, Edkins, Thane, Herroun, C. Martin, Bradford, Langley and Yeo, as well as five guests, namely, Dupuy, Dean, Arle(?), France and Ashdown.

The Secretary announced the resignation of Mr, later Sir, Francis Darwin, one of the original members.

Further steps were directed to be taken by the Committee in connexion with the Donders Testimonial Fund and the proposed International Physiological Congress, which it was suggested might be held in Bern in 1889.

It was decided to entertain Professor Kühne at a special dinner meeting of the Society, on the occasion of his coming to deliver the Croonian Lecture at the Royal Society.

It was resolved to present our Proceedings to the Société de Biologie, Paris.

March 17th, 1888 (at Oxford). Dinner at Magdalen College, Professor Sanderson in the chair. Other members present were Messrs Gaskell, Schäfer, Horsley, Brooks, Mott, Page, McMunn, Buckmaster, Gotch, Romanes, Ewart, Haldane, Power, Phillips, Halliburton and Yeo, as well as sixteen guests. The latter included Dr Schönland, Messrs Thomson, Farmer, Balfour, Burch, Wilson, Harris, Doyne, Bayliss, Ashdown and the Vice-President of Magdalen.

Thomson is probably Professor Arthur Thomson, the Professor of Anatomy in Oxford.

Balfour is probably Professor Isaac Bayley Balfour, F.R.S.: at that time in Oxford, afterwards in Edinburgh. He died in 1922.

Farmer is probably the eminent botanist, now Sir J. B. Farmer (see p. 123).

Dr G. J. Burch was an Oxford physicist, who was assisting Professor Sanderson in his experiments with the mercury electrometer. He himself made many experiments on Colour-Vision. He joined the Society in 1894. He died in 1914.

June 16th, 1888 (at Cambridge). The dinner was held in St John's College, Professor Foster in the chair. The following members were also present: Sir William Bowman, Lea, Brunton, Halliburton, D. McAlister, Gaskell, Roy, Langley, Schäfer, Bell, Bradford, Groves, Mott, Page, Ransom, and Yeo; as well as five visitors, namely, Messrs Gadow, Hare, Hunter, Shore and Wright.
Mr Hans Gadow (F.R.S. 1892) is Lecturer on Advanced Morphology of Vertebrates in Cambridge.

Mr Wright is A. E. Wright, then an undergraduate, now Sir Almroth Wright, K.B.E., C.B., F.R.S. (p. 101).

The most notable figure was Sir William Bowman, who was now in his 72nd year. He was present as a guest at the inaugural dinner of the Society, and had been elected an honorary member in October, 1882.

Encouraging replies to the circular sent out regarding the meeting of an International Physiological Congress in 1889 having been received, the Committee was directed to assist the arrangements for such a gathering.

November 17th, 1888 (at King’s College). This was the thirteenth Annual Meeting. Dr Pye-Smith occupied the chair at the dinner: the other members present were Schäfer, Crokshank, Bell, Groves, Lea, Gaskell, Mott, Power, Haldane, North, Sherrington, McCarthy, Page and Yeo, and two guests, Dr Copeman, introduced by Sherrington, and Mr H. K. Anderson, introduced by Haldane.

Dr S. Monckton Copeman (F.R.S. 1903) became Inspector to the Local Government Board and later to the Ministry of Health, which succeeded the Local Government Board in such of its functions as concerned Public Health.

Dr H. K. Anderson (F.R.S. 1907) was working in Foster’s laboratory independently and in conjunction with Langley. He was Lecturer on Physiology in the University of Cambridge and a Fellow of Caius College. He is now Master of Gonville and Caius College. He was knighted in 1922.

The Secretary read his report regarding the meetings held in the past session, and also a letter from Professor Donders thanking the Society for the part they had played in furthering the testimonial to him on the occasion of his 70th birthday.

The Treasurer’s report showed a credit balance of £120. 3s. 11d.

The Committee reported that it had been arranged to hold the International Physiological Congress at Basel instead of at Bern, commencing on September 10th, 1889.

The new Committee having been elected, the following candidates for membership of the Society were chosen: Dr Sims Woodhead (Edinburgh), Dr L. E. Shore (Cambridge), Dr Hunter, Dr F. J. Allen (Cambridge).
Dr Sims Woodhead, afterwards Sir German Sims Woodhead, was at this time Director of the Royal College of Physicians' Laboratory in Edinburgh. In 1890 he was appointed to the charge of the Laboratories of the Conjoint Board of the Royal Colleges in London. From 1899 until his death in 1921 he occupied the chair of Pathology at Cambridge. He was actively engaged during the War in organising sanitary measures, and in inspecting laboratories in military hospitals.

Dr L. E. Shore, O.B.E., of St John's College, is a Lecturer on Physiology in the University of Cambridge.

Dr William Hunter is an alumnus of the University of Edinburgh. He was at this time John Lucas Walker scholar in Pathology at Cambridge. Later he became attached to Charing Cross Hospital, to which he is now Consulting Physician.

Dr F. J. Allen (Cambridge) was for a time Professor of Physiology in Mason College, Birmingham.

The Sub-committee on the Journal reported that the proprietors state that there is a considerable deficit on each volume, and suggest that each member should pay a subscription of 17s. 6d. per volume. It was decided to raise the annual subscription to £1. 5s., and of this to contribute £1 per annum to the Journal of Physiology, every member to receive a copy of each number as published. It was also decided to hold the Annual General Meeting in January instead of in November.

January, 1889 (at St Mary's Hospital Medical College). Up to the present, 1888, the scientific meetings had been held only at four centres, namely, University College, London; King's College, London; Cambridge and Oxford. But the Society accepted an invitation from Dr Waller to hold a scientific meeting in his laboratory at St Mary's Hospital Medical School.

The Secretary has omitted the day of the month from the minutes.

Dr Waller was in the chair at the dinner, which was at the Westbourne Restaurant; the other members were Sanderson, Stirling, Page, Mott, Gotch, Beevor, Hickson, Reid and Shore, and two guests, Mr Jessop and Mr T. W. Shore (both of St Bartholomew's). No business was transacted.

February 9th, 1889 (at University College). At this meeting Professor Schäfer was in the chair, and there were present sixteen other members, namely, Sanderson, Foster, Gaskell, Phillips, Lea, Halliburton, Haldane,
Langley, Horsley, Gotch, Page, McCarthy, Golding-Bird, Edkins and Yeo; and nine guests. Of the latter the most noteworthy was Mr Boyce.

Mr Rubert Boyce (F.R.S. 1902) was a young Ulsterman, who studied at Queen's College, Belfast, and at University College, London, and was for a time Assistant in the Physiological Laboratory there. He subsequently developed in Pathology and in 1894 was appointed Professor of that subject in Liverpool, the University College of which was in process of conversion into an independent University. He had a singular faculty for getting money out of the business people in Liverpool for the establishment and endowment of new laboratories, and it is related that there was no getting him out of an office without the promise of a substantial sum in aid of the fund he was advocating. The Liverpool School of Tropical Medicine owed much to Boyce's efforts, not only in obtaining funds, but in organising expeditions to the Tropics with the view of studying and fighting tropical diseases. He was knighted in 1906. Although he suffered a stroke of paralysis in that year, he in no way relaxed his energies, but carried on in spite of all disadvantages. He died in 1911 at the age of 48.

March 9th, 1889 (at Cambridge). On this occasion Dr Donald McAlister occupied the chair, and there were fourteen other members present, namely, Gaskell, Lea, Hunter, Wooldridge, Adami, Horsley, Langley, C. J. Martin, Sherrington, Green, Shore, Alex. McAlister, Groves, Yeo and Woodhead\(^1\), and five guests. Included amongst the latter was Mr Hardy of Caius College.

Mr W. B. Hardy (F.R.S. 1902), Lecturer on Physiology in Cambridge and Fellow of Caius College, acted as one of the Secretaries of the Royal Society from 1915 to 1925, in which year he received the honour of knighthood. Mr Hardy became a member in 1892. He is now Director of the Food Investigation Board and is probably the only person who has been invited by the Royal Society to deliver both the Croonian Lecture (Biology) and the Bakerian Lecture (Physics).

May 11th, 1889 (at King's College).*Mr E. F. Herroun was in the chair; seven other members were present, namely, Sherrington, C. J. Martin, Shore, Halliburton, Beevor, Ewart and Yeo. There were also

\(^1\) Put down as a guest in the minutes, but this must be a mistake for he had been elected a member in November, 1888.
three guests, one of whom was Dr Copeman, introduced by Sherrington, and another Mr Starling, who was introduced by C. J. Martin.

Afterwards Professor E. H. Starling, C.M.G., F.R.S., Foulerton Research Professor of the Royal Society. Previously Jodrell Professor of Physiology in University College, London. This is the first mention of Professor Starling’s name in the minutes. He was Secretary of the Society from 1896 to 1900.

The Society having been notified of the death of Professor Donders, the Secretary was directed to express to his friends the sense of the Society of the loss physiological science had thereby sustained.

It was agreed to subscribe £5. 5s. out of the funds of the Society to the “Bowman Testimonial.”

June 29th, 1889 (at Oxford). The dinner was at Magdalen College, with Professor Sanderson in the chair, nineteen other members being present, namely, Groves, Brooks, Haldane, Horsley, Beevor, Waller, Allen, Poulton, Murray, Woodhead, C. J. Martin, Sherrington, Hunter, Page, Halliburton, Mott, Bradford, Delépine and Gotch, and eleven guests, namely, Chapman, MacFadyen, Ballance, Vally (?), Boyce, Spencer, Fisher, Thomson, Farmer and Burch, and Professor Thompson of New York.

MacFadyen is probably Dr Allen MacFadyen, who was Bacteriologist at the Lister Institute.

A resolution expressing “the sincere regret of the Society at the premature death of one of the most distinguished of its younger members,” Dr Leonard Wooldridge, was adopted, and the Secretary was directed to express its condolence to his widow.

November 9th, 1889 (at Gatti’s Restaurant). This was the fourteenth Annual Meeting. There were present Dr Pye-Smith in the chair, and nineteen other members, namely, Gaskell, Klein, McCarthy, Page, Pye, C. J. Martin, Gotch, Horsley, Mott, Schäfer, Buckmaster, Kent, Milne Murray, S. Martin, Haldane, Edkins, Sherrington, Lea and Yeo, but no guests.

1 Starling’s death on May 2nd, 1927, when on a voyage to Jamaica for his health, occurred whilst this account of the Society was passing through the Press. A full and sympathetic obituary notice, by Dr C. J. Martin, is published in the British Medical Journal of May 14th, 1927.
E. SHARPEY-SCHAFER

The Secretary reported that during the past year the Society had lost two members by death (Wooldridge and McDonnell), and one (Moseley) by resignation, and that Dr Blake's address was uncommunicated (p. 83).

This meeting was important for several reasons:

1. It was reported by the Treasurer that the finances of the Society—in spite of the rise in the amount of subscription—were becoming embarrassed on account of the large amount which had to be paid to the proprietors of the Journal for printing the Society's Proceedings. It was suggested that the proprietors might themselves undertake this charge, since the Proceedings of the Society formed a valuable addition to the Journal, and the Treasurer was directed to try and arrange this matter satisfactorily. But neither now nor at any other time was the Society able to make a satisfactory arrangement regarding this matter; the difficulty had always to be met by raising the subscription and giving a larger subsidy to the Journal.

2. It was reported by the Secretary that since the last meeting the First International Physiological Congress had been held at Basel and was considered a conspicuous success. It was attended by 124 members, of whom seven were American, seven Austrian, six Belgian, one Dutch, twenty-four German, nineteen English, eighteen French, ten Italian, one Portuguese, one Roumanian, four Russian, three Swedish and twenty-three Swiss.

Since this first Congress, which, as has been narrated, was initiated by the action of the Physiological Society, there have been eleven others, one every three years. But between 1912 and 1920 there was a hiatus owing to the Great War. To the Congress of 1920, which was held in Paris, only members of the allied nations were invited. To that held in Edinburgh (in 1923) an invitation was sent out again to all nationalities, and 516 members were enrolled. Twenty-one nations were represented; about half the total number belonged to Great Britain and Ireland. In the Congress held in Stockholm in August 1926 the number rose to over 600. These figures are eloquent of the spread of the interest in Physiology throughout the world since the first Congress at Basel in 1889.

3. This was the first meeting of the Society to receive an invitation

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1 Eventually, as already mentioned, the Journal was acquired by the Society; but not until January, 1926.

2 The Secretary means "British." Himself Irish, he had no idea he might be giving offence to members of the Society hailing from north of the Tweed.
to meet elsewhere than in London, Oxford, or Cambridge. Dr Milne Murray, of Edinburgh, stated that he had been officially requested personally to urge the acceptance of an invitation from the Royal College of Physicians of Edinburgh to meet in their Hall in the following July. The Secretary stated that he had also received invitations from Professor Rutherford of the University of Edinburgh, and from Professor McKendrick of the University of Glasgow, to meet in their respective laboratories. The Secretary was directed to accept with pleasure the invitation of the Royal College of Physicians; to express to Professor McKendrick the hope that members might on their visit to Scotland find an opportunity of visiting his laboratory, and to Professor Rutherford their inability to accept his invitation, and to express the hope that they would be able to count on his co-operation, and have the privilege of visiting his laboratory.

4. The fourth item of interest at this meeting was the resignation of Professor Yeo from the Honorary Secretaryship, which he had held from the time of the formation of the Society. Although pressed to remain, his resignation was final, since he had decided to give up his chair at King's College and to reside in the West of England. The Committee recommended as his successor in the Secretaryship Dr C. S. Sherrington, who was at this time Lecturer on Physiology at St Thomas's Hospital, a recommendation which was unanimously approved.

The election of members to the Committee resulted as follows: M. Foster, F. Gotch, W. D. Halliburton, J. N. Langley, A. S. Lea, F. W. Mott, F. J. M. Page, P. H. Pye-Smith, J. S. Burdon Sanderson and E. A. Schäfer, with W. H. Gaskell as Hon. Treasurer and C. S. Sherrington as Hon. Secretary. At the ballot for new members the following were elected: R. Stockman, D. Noël Paton, T. W. Shore, H. E. Wingfield, G. Cunningham, H. P. Dean, C. W. Mansell-Moullin, W. Hale White, S. M. Copeman, H. Lewis Jones and J. Griffiths.

Dr Stockman is Professor of Materia Medica in Glasgow.
Dr D. Noël Paton (F.R.S. 1914), is Professor of Physiology in Glasgow, where he succeeded McKendrick in 1906.
Dr T. W. Shore, O.B.E., was for some years Lecturer on Biology at St Bartholomew's Hospital and Warden of the Medical College; of which he is now Dean.
Dr H. E. Wingfield was a Demonstrator in Physiology in Cambridge. He became Physician to the Royal Hants County Hospital in Winchester. He has devoted special attention to hypnotism.
Mr H. P. Dean, F.R.C.S., was working at University College Laboratory. He is now Consulting Surgeon to the London Hospital.

Mr Mansell-Moullin, O.B.E., was also afterwards Surgeon to the London Hospital.

Dr W. Hale White is now Sir W. Hale-White, K.B.E., Consulting Physician to Guy's Hospital. He was at that time Lecturer on Materia Medica in Guy's Hospital Medical School and Assistant Physician to Guy's Hospital.

J. Griffiths is probably Mr Joseph Griffiths, C.M.G., Surgeon to Addenbrooke's Hospital, author of various Anatomical and Physiological papers in the *Journal of Anatomy* and elsewhere.

*December 14th, 1889 (at St Mary's).* At the dinner held in the Westbourne Restaurant, the members present were Dr Waller, chairman, Halliburton, Mott, Haldane, Page, Copeman, Hunter, Adami, Martin and Sherrington, and as guests Messrs Ashdown, Hobhouse, Starling, Stewart, Hankin and Symes.

Dr Ashdown had been Professor Rutherford's assistant in Edinburgh but was now working in the Physiological Laboratory at University College.

Stewart is probably Dr G. N. Stewart (p. 94).

Symes is Mr W. L. Symes, who was Dr Waller's assistant at St Mary's Hospital Medical School and afterwards at the University of London; now Professor of Physiology at the Royal Veterinary College and Lecturer on Histology at St Thomas's Hospital Medical School.

There was some discussion as to the time of beginning the scientific meetings. It was decided to leave this to be arranged with the director of the laboratory where the meeting was to be held, "as the rules of the Society ignore any regulations of the proceedings of members previous to the meeting for dinner."

The question of contributing to a testimonial to Professor Holmgren was brought up by a circular letter from Professor M. G. Blix, but it seemed that the application arrived too late to be responded to, and the Society could only now express its high appreciation of the Swedish Professor's work.

The minutes are signed

[Signature]

E. SHARPEY-SCHAFFER

93
February 15th, 1890 (at University College). This was the Annual Meeting. Dr Sydney Ringer was in the chair; other members present were Burdon Sanderson, Schäfer, Gaskell, Langley, Lea, Mott, Halliburton, Phillips, Waller, Hale White, Page, Martin, Gotch, Haldane, Head, Hunter, Dean, Ransom, Cunningham, Copeman and Sherrington.


Dr Alfred Lingard was at this time (1900–1907) bacteriologist to the Indian Government.

Mr Millais was the son of the Academician. He assisted Romanes in carrying out experiments on pangenesis.

Sir William Roberts was educated at Mill Hill School and at University College, London, where he entered as a medical student in 1849 and came under Sharpey's influence. He took his M.D. at the University of London in 1854, in which year he was appointed House Surgeon to the Manchester Infirmary, and in the following year, at the age of 25, Physician and Lecturer in Anatomy and Physiology in the Owens College School of Medicine. When the Victoria University was established he became the first Professor of Medicine. He afterwards settled in London. He was elected F.R.S. in 1877 and was knighted in 1885. He wrote on various physiological subjects, especially spontaneous generation, the histology of the blood, digestive ferments and the condition of uric acid in the urine. He was Croonian and Lumleian Lecturer and Harveian Orator to the Royal College of Physicians. He died in 1899.

Dr, afterwards Sir Armand, Ruffer, an alumnus of University College, was a distinguished bacteriologist who was for a time Professor of Bacteriology in Cairo and eventually became Head of the Egyptian Health Service (1901). He was killed at sea during the War by the torpedoing of a ship in which he was travelling.

Dr Harrington Sainsbury was at this time working with Sydney Ringer in the Physiological Laboratory of University College. He became Physician to the Royal Free Hospital and is now Consulting Physician.

Dr G. N. Stewart was Assistant to Rutherford in Edinburgh. He became Professor of Physiology in the Western Reserve Uni-

1 Probably S. H. C. Martin, but the initials are not given.
versity, Cleveland, Ohio, and is still attached to that University as Professor of Experimental Medicine.

Dr. F. Dawson Williams was at that time working in the Physiological Laboratory of University College. He is now Sir Dawson Williams, Chief Editor of the *British Medical Journal*.

*March 15th, 1890 (at Cambridge).* The scientific meeting was held in the Pathological and Physiological Laboratories and the dinner in Caius College.

Professor Roy occupied the chair. There were twenty-eight members and four guests.

On the motion of Professor Foster a vote of congratulation on the election of Professor Halliburton to the chair of Physiology at King's College was carried by "general acclamation in the most hearty manner possible." Professor Halliburton thanked the members for the way in which the proposition had been received.

Professor Schäfer moved a vote of thanks to the Fellows of Caius College for lending their Combination Room for the dinner. Dr. Sheridan Lea stated in reply that "the College was only too pleased to see the Physiological Society under the roof that William Harvey had sat beneath."

*May 10th, 1890 (at King's College).* At this meeting there was again a large attendance. The principal business at the dinner, at which Professor Halliburton occupied the chair, was the presentation from the Society to the former Secretary, Professor Yeo, of a piece of silver plate in recognition of his services since its formation. The gift was accompanied by "a short and felicitous speech" by Professor Foster, and suitably acknowledged by the recipient.

*June 28th, 1890 (at Oxford).* The dinner meeting was held in the Junior Common Room of Magdalen College. Professor Burdon Sanderson occupied the chair. There were no fewer than thirty-six members and guests present. The visit to Scotland was discussed. Professor McKendrick had written to intimate that he would not at that time be able to receive a visit from the Society and it was eventually agreed to hold a scientific meeting in Edinburgh in the forenoon of July 25th in the Laboratory of the Royal College of Physicians, and in the afternoon in

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1 The number of members and guests present at the meetings is becoming too large to be given each time and will in the further descriptions generally be omitted, especially since the members and guests are often no longer differentiated in the Minute Book.
the Laboratory of the University: although there was a good deal of opposition manifested to the last part of the resolution. Thirty-two names had been sent in as desiring to visit Edinburgh.

No account of the Edinburgh visit is given in the minutes although it was certainly held. It is therefore to be concluded that it was not regarded as a formal meeting of the Society.

November 8th, 1890 (at the Conjoint Laboratories). The Society met for the first time for its scientific work in the Conjoint Laboratories of the Royal College of Physicians of London and of the Royal College of Surgeons of England on the Embankment. Dr Sims Woodhead, who was at that time Director of the Laboratories, occupied the chair at the dinner, which was held in Simpson's Restaurant, Strand; there were thirty-one other members and guests present.

Dr Foster gave notice that at the next meeting he wished to bring before the Society the question of the advisability of altering the Rules of the Society so as to admit of the election of a President. The terms of his motion and the requisite changes proposed in the Rules were written out by him; the ms. is preserved in the Minute Book.

December 13th, 1890 (at St Mary's). At this meeting, which was held, for scientific purposes, in Dr Waller's Laboratory, and for dinner and business at the Westbourne Restaurant with Dr Waller in the chair and twenty-seven other members present, Professor Foster was unable to be present. The motion standing in his name was however brought forward on his behalf by Dr Gaskell, and seconded by Dr L. E. Shore. When the matter came to the vote the numbers pro and contra were equal (nine on each side); the chairman gave his casting vote against the proposition. A considerable number of members abstained from voting.

It would appear that the matter has never been reconsidered by the Society. It was in many respects a wise proposition; for the Society was no longer a dining club, but had grown into an important organisation and should have been formally constituted as a Scientific Society. There is little doubt that if Foster himself had been present his motion would have been carried, to the benefit of the Society and of Physiology in general in this country. For without incorporation or charter the Society cannot legally hold property or receive gifts or legacies, nor is it recognised by public bodies. A striking example of this was given at the celebration of the 250th anniversary of
the Foundation of the Royal Society when the Physiological Society was the only Scientific Society which was not invited to send representatives to the celebration, although the relations between Physiology and the Royal Society have from the very beginning of the latter been particularly intimate; it would therefore have been natural for the Physiological Society, as such, to have taken a prominent part in the attendant ceremonies.

January 17th, 1891 (at Charing Cross). This was the fifteenth Annual Meeting. The scientific meeting was at the Medical School of Charing Cross Hospital, and the dinner meeting at Gatti's Restaurant under the chairmanship of Dr F. W. Mott. Thirty-one other members were present.

The Treasurer reported a satisfactory balance, but there is no balance sheet in the minutes, and no formal report by the Secretary.

The death of Mr John Marshall, F.R.S., one of the Honorary Members, having been reported, the Secretary was directed to transmit to Mr Marshall's relatives the sympathy expressed by the Society.

The Committee and Officers having been appointed, the following new members were then balloted for and declared elected: J. Batty Tuke, Grainger Stewart, T. D. Bokenham, E. H. Hankin, H. D. Rolleston, E. L. Meyer, W. Spencer, W. L. Dickinson, L. Hill, Alexander Bruce, W. L. Symes, Anderson Stuart and J. B. Haycraft.

Dr, afterwards Sir, J. Batty Tuke was an eminent Edinburgh alienist, at one time President of the Royal College of Physicians, Edinburgh.

Sir Thomas Grainger Stewart was Professor of Medicine in Edinburgh.

Dr Hankin was a distinguished pathologist and bacteriologist, who later took up work in India.

Dr H. D. Rolleston is now Sir Humphry Rolleston, Bart., K.C.B., Regius Professor of Physic in the University of Cambridge. He was previously Physician to St George's Hospital and President of the Royal College of Physicians of London.

Dr Leonard Hill (F.R.S. 1907) was at this time an Assistant in the University College Laboratory. Later he became Professor of Physiology at the London Hospital Medical College; and is now Director of the Department of Applied Physiology in the National Institute of Medical Research. Hill was one of the Secretaries of the Society from 1896 to 1903.
Dr. Alexander Bruce was a distinguished neurologist and physician in Edinburgh. He was the author of an important, finely illustrated monograph on the Mid-Brain. He died in 1911.

February 14th, 1891 (at King's College). Special General Meeting. Professor Halliburton took the chair at the dinner. No fewer than forty-four members and guests were present.


The following were, at this meeting, elected members of the Society: Theodore Dyke Acland, Rubert W. Boyce, J. Lorrain Smith, Howard Tooth.

Dr Theodore Dyke Acland (see p. 70) is now Consulting Physician to St Thomas's Hospital, and to the Hospital for Diseases of the Chest, Brompton.

Dr James Lorrain Smith (F.R.S. 1909) was successively Professor of Pathology in the Universities of Belfast and of Manchester, and now occupies the same position in the University of Edinburgh.

Dr Howard Tooth was a distinguished neurologist and physician in London who worked on the structure and functions of the brain in monkeys. He died in 1925.

Various modifications in the rules—of which notice had been given at the preceding meeting—were moved and agreed to. One was to sub-

¹ Probably Hughlings Jackson.
² A guest, perhaps Dr. Johnson, Physician to King's College Hospital.
³ Probably E. Lloyd Jones.
⁴ A guest. Dr Penrose was a distinguished alumnus of University College; afterwards Physician to St George's Hospital.
⁵ Probably Mr W. G. Spencer, Lecturer on Physiology, and subsequently Surgeon to Westminster Hospital.
stipulate May for February as the second meeting at which new members might be elected.

March 21st, 1891 (at University College, London). Thirty-two members and guests were present at the scientific meeting. Demonstrations and communications were made by Ringer, Bayliss, Bradford, Starling, Schäfer and G. N. Stewart.

At the dinner in the evening Dr Ringer was in the chair. The following resolution, proposed by Professor Schäfer and seconded by Dr Waller, was adopted: “That in the opinion of this Society it is important in the interests of teaching of Physiology that, as recommended by the General Medical Council, a large part if not the whole of the additional year which is to be added to the medical curriculum should be devoted to Elementary Physics, Chemistry, and Biology.” It was further moved by Professor Schäfer, seconded by the Secretary and agreed, that the Committee of the Society should consist of fifteen in place of ten members, and that one of the members should be appointed to act as Chairman.

May 9th, 1891 (at Cambridge). After a meeting for demonstrations held in the Physiological Laboratory members repaired for dinner to St John’s College. Dr Gaskell occupied the chair; there were thirty-eight other members and guests present. Amongst these the name of Bateson is prominent.

Mr William Bateson (F.R.S. 1897), son of the Rev. W. H. Bateson, Master of St John’s College, Cambridge, from 1857 to 1881, was an eminent authority on Mendelian principles of inheritance. He worked chiefly with plants, and was Director of the John Innes Horticultural Institution, Merton, Surrey. He was awarded the Darwin Medal of the Royal Society in 1904. He was President of the British Association during its visit to Australia in 1914. He died in February, 1926.

The following occurs in the minutes: “The term of occupation of the chair having been extended on the motion of Mr D’Arcy Power, Mr Gotch asked for information concerning the arrangements for the [second] International Congress of Physiology for 1892.” Dr Gaskell supplied such information as he possessed.

June 20th, 1891 (at Oxford). Twenty-three were present at the scientific meeting, and thirty-three at the dinner in Magdalen College—with Professor Burdon Sanderson in the chair. Dr Cunningham of New York
is mentioned as a guest. After dinner a conversation took place regarding the recording of the names attending the scientific meetings.

"It was considered well that some record of the attendance at the Demonstrations of the Society should be kept¹, although the business of the Society which commences with dinner at half past six o’clock is the only part of the proceedings of the Society which is recognised by its Statutes.”

The arrangements for the International Physiological Congress of 1892 were again under discussion at this meeting. There seemed to be a general preference for Switzerland as the most appropriate country and the Secretary was requested to communicate with Professor Kronecker of Bern regarding a meeting in his Institute.

November 14th, 1891 (at St Mary’s). Thirty-five were present at the scientific meeting but only fifteen at the dinner, Dr Hughlings Jackson being one. Dr Waller was in the chair.

The Secretary having reported that no reply had been received from Professor Kronecker, a letter (inserted in the Minute Book) was read from Professor Paul Heger suggesting a meeting at Brussels of the “Comité directoire” of the Congress to discuss the place and time for the Congress of 1892. On the motion of Professor Foster the members present agreed to suggest Brussels as an appropriate place and the end of August or the beginning of September as an appropriate time.

December 12th, 1891 (at the Conjoint Laboratories of the Royal Colleges). Dr Sims Woodhead was in the chair: there were present thirty-seven members and two guests. At the dinner at Simpson’s Restaurant twenty members and five guests were present.

Amongst the latter was Dr René Du Bois-Reymond of Berlin (son of the celebrated Professor of Physiology) and Mr Howard Mummery, an eminent authority on the structure of the teeth, the discoverer of nerve-fibrils in the dentinal tubules (died 1926).

The delayed letter from Professor Kronecker relating to arrangements for the next International Congress was read and the Secretary was instructed to communicate with the International Committee (Comité directoire) regarding the time of meeting of the Congress and especially to ensure that it might not clash with the meeting of the British Association in Edinburgh.

¹ This expression of opinion does not seem to have been acted upon with any regularity.
On the motion of Dr Waller a resolution was passed deprecating the shortening of the course of Physiology in the medical curriculum.

January 20th, 1892 (at Charing Cross Medical School). This was the Annual Meeting. The dinner was at Gatti’s Restaurant. Dr Mott occupied the chair; there were also present twenty-seven members and three guests.

The Committee (now fifteen in number) having been elected, the following new members were balloted for and declared elected: J. W. Washbourn, E. Lloyd Jones, F. H. Edgeworth, A. de Burgh Birch, W. B. Hardy, P. T. Beale, T. G. Brodie, A. E. Wright, G. Cartwright Wood (bacteriologist), A. H. Tubby (orthopaedic surgeon), J. H. Parsons, J. Randle Leigh, E. C. Stirling.

Dr Washbourn was Pathologist and Assistant Physician to Guy’s Hospital. He was working with J. S. Haldane and W. Hale White on the subject of animal calorimetry.

Dr E. Lloyd Jones was a pathologist working with Roy at Cambridge.

Dr F. H. Edgeworth was working in the Cambridge Laboratory. He is now Physician to the Royal Infirmary, Bristol.

Dr de Burgh Birch was for many years Professor of Physiology at Leeds.

Dr P. T. Beale, F.R.C.S., was Assistant in Physiology at King’s College.

Dr Thomas Gregor Brodie (F.R.S. 1904) was at that time Assistant in the Physiological Laboratory of King’s College. Subsequently he became Lecturer at St Thomas’s Hospital, Director of the Conjoint Laboratories, Lecturer at the London School of Medicine for Women and at the Royal Veterinary College, and Superintendent of the Brown Institute. In 1908 he was appointed Professor of Physiology at Toronto. He was distinguished both for the ingenuity of his methods and for the accuracy of his observations. His work embraced a great variety of subjects: much of it was published in conjunction with other workers. He served at the commencement of the War in the Canadian Medical Service. He died in August, 1916.

Dr A. E. Wright, now Sir Almroth Wright, K.B.E., C.B., F.R.S., was working at this time in the Conjoint Laboratories on Blood-
Coagulation. He was Professor of Pathology at Netley from 1892 to 1902, when he became Pathologist at St Mary's Hospital.

Mr J. H. Parsons, now Sir John Parsons, C.B.E., F.R.S., was at that time Sharpey Scholar and Assistant in the Physiological Laboratory of University College. Later he directed his attention mainly to the physiology of the eye. He is now Ophthalmic Surgeon to University College Hospital and Surgeon to the Royal London Ophthalmic Hospital.

Dr Randle Leigh was Demonstrator of Physiology in Liverpool. Dr E. C. Stirling (F.R.S. 1893) who was Professor of Physiology in Adelaide, was knighted in 1917. He died in 1919.

The Treasurer having reported that the financial position of the Society was less satisfactory, resolutions were put and carried having for their object the diminution of the amount the Society was contributing to the *Journal* and to the cost of printing the *Proceedings* (but nothing resulted therefrom).

A resolution by Dr Waller that the first F.R.C.S. examination in Physiology exercises an unfavourable influence on the sound teaching of the subject was put and carried, and on the motion of Professor Sanderson a special committee was appointed to approach the College of Surgeons on the matter.

A letter from the Registrar of the Royal College of Physicians was before the meeting pointing out that the new regulations regarding attendance in courses of Physiology and Practical Physiology tended rather to increase than to diminish the length of these courses.

A letter to Professor Foster from Professor Holmgren of Upsala, the President of the Comité directoire of the International Congress, was also read and its propositions as to time and place of meeting approved.

*February 13th, 1892 (at University College).* Communications were made at the scientific meeting by J. H. Parsons, J. Risien Russell, J. R. Bradford, W. Marcat and C. S. Sherrington.

At the dinner Sir William Roberts occupied the chair; twenty-two other members and guests were present.

Notice of certain proposed alterations in the rules was given by Professor Horsley and Dr Waller for the next meeting.

Dr Waller communicated an interim report from the special committee appointed to consider changes in the examination in Physiology for the F.R.C.S.

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1 This letter has not been preserved.
March 12th, 1892 (at King's College). At the scientific meeting communications were made by Young, Hewlett, Brodie, Beale, Wright, Mott, Tubby, Hopkins and Halliburton. The last named took the chair at the dinner; there were twenty other members and guests present.

A discussion took place on the report of the special committee (see p. 102) as to the best way to approach the College of Surgeons regarding the Physiology examination for the F.R.C.S. A letter was read which had been drawn up by the special committee appointed in January. This letter was referred back to the special committee in consequence of suggestions made by the former Secretary, Dr Yeo—who had had a long experience in this examination, and who pointed out a better way of arriving at the result desired.

Dr Waller moved that the constitution and rules of the Society be referred to the Committee for revision and report, five additional members being added to the Committee for the purpose. This was adopted.

A letter from Professor Exner to Professor Foster asking for assistance towards a memorial to the late Professor v. Brücke was circulated.

May 14th, 1892 (at Cambridge). Professor Foster was in the chair at the dinner, which was held in Caius College. There were forty-three members and guests present. Amongst the latter was Professor, afterwards The Rt Hon. Sir Clifford, Allbutt, K.C.B., F.R.S., Regius Professor of Physic in the University.

Allbutt seems never to have joined the Society, but was always a firm friend to Physiology and physiologists. He died, universally regretted, in 1925, at the advanced age of 88. He retained to the last the full exercise of his faculties, and continued to perform his duties as Regius Professor until very shortly before his death. His biography belongs to the History of Medicine.

The following new members were elected: Dudley W. Buxton, Vincent D. Harris, J. Howard Mummery, C. A. Ballance, F. G. Hopkins, R. T. Hewlett.

Mr C. A. Ballance was working with Sherrington at St Thomas's Medical School. He became Surgeon to St Thomas's Hospital, and is now Sir Charles Ballance, K.C.M.G., Consulting Surgeon to the Hospital. He was appointed Surgeon to the National Hospital for the Paralysed and Epileptic, in succession to Sir Victor Horsley, and was chosen last year as the first President of the Society of British Neurological Surgeons.
Dr F. G. Hopkins is now Sir Frederick Hopkins, F.R.S., Professor of Biochemistry at Cambridge.

Dr R. T. Hewlett is now Professor Hewlett, Director of the Bacteriological Laboratory of King's College, London.

June 25th, 1892 (at Oxford). The dinner was held at Magdalen College, Professor Burdon Sanderson in the chair. Thirty-five other members and guests were present.

Amongst the names of the guests is that of the present Treasurer, Dr M. S. Pembrey (F.R.S. 1922), now Professor of Physiology at Guy's Hospital; it appears in the Minute Book for the first time. Dr Pembrey was Acting Treasurer from October 1924 to March 1925; when he became Treasurer in succession to Sir William Bayliss.

The Chairman proposed that in view of the vacancies in the list of Honorary Members of the Society, caused by the death of Mr John Marshall and more recently of Sir William Bowman, new names should now be added to the list, and offered those of Professor Emil Du Bois-Reymond, Professor Chauveau and Sir Joseph Lister. These “were accepted by the meeting and elected by show of hands. Dr Waller remarked on the inadvisability of taking this step without giving previous notice.”

November 12th, 1892 (at St Mary's Hospital Medical School). Communications were made by Boyce, Mott, Wright, Schäfer and Kent. The dinner was at the Westbourne Restaurant with Dr Waller in the chair: forty-seven other members and guests were present.

Amongst the guests may be especially mentioned Dr Kanthack, who was at this time Demonstrator of Pathology in the University of Liverpool, and after that Director of the Pathological Department of St Bartholomew's Hospital. He succeeded Roy as Professor of Pathology at Cambridge in 1897. But he did not hold the chair long, for he died in 1898 at the early age of 35, being succeeded by Dr Sims Woodhead.

The Secretary reported letters of acceptance of the Honorary Membership from Professors Chauveau, Du Bois-Reymond and Sir Joseph Lister.

[The first Minute Book—which contains the history of the meetings of the Society for the sixteen years 1876 to 1892—ends here. There are six others covering the remainder of the first fifty years of the Society's existence.]
December 10th, 1892 (at Charing Cross Hospital Medical School). The dinner was held at Gatti’s Restaurant with Professor McKendrick in the chair. Forty-four members and guests were present. A letter from Professor Herzen to Professor Foster was read inviting the Society to co-operate in a testimonial to Professor Maurice Schiff of Geneva on the occasion of his 70th birthday. It was decided to send a letter of congratulation to Professor Schiff on the part of the Society. The draft of this letter and Professor Schiff’s reply are in the Minute Book.

It was proposed by Professor Schäfer that the draft rules prepared by the Revision Committee be printed and circulated before the next meeting. This was agreed to.

An invitation was received from Professor McKendrick to meet at Glasgow in the ensuing year.

January 21st, 1893. This, the Annual Meeting, was held in the Charing Cross Hotel—after a scientific meeting at the Conjoint Laboratories. Forty-six members and guests were present at the dinner, with Dr Sims Woodhead in the chair.

The Secretary’s report showed an increase of members from 138 to 144.

The Secretary also reported that the second International Congress had been held at Liège under the presidency of Professor Léon Fredericq: that twenty-six members of the Society had attended and nine had contributed communications or demonstrations. The report of the Treasurer showed a satisfactory balance.

The Committee and Officers of the Society having been chosen, the following new members were balloted for and elected, namely, H. K. Anderson, J. Fawcett, A. S. Grünbaum, A. H. Kanthack, M. S. Pembrey.

Dr Fawcett is now Consulting Physician to Guy’s Hospital.

Dr A. S. Grünbaum, who in 1914 changed his name to Leyton, was working at St Thomas’s Hospital Medical School, afterwards accompanying Sherrington to Liverpool. In 1905 he was appointed to the chair of Pathology in Leeds University. He died in 1922.

The new rules, drawn up by a committee appointed for the purpose, came under consideration, and were passed, with certain amendments.

February 11th, 1893 (at University College). At the scientific meeting demonstrations were given by Bayliss, L. Hill, Russell and Waller. Professor W. Stirling occupied the chair at the dinner: thirty-nine members and guests were present.

1 The qualifications of candidates are now entered on the ballot-paper.
The new rules again came up for discussion and additional amendments were introduced, the Chairman having ruled that the meeting was competent to do so. After this they were passed as a whole.

March 11th, 1893 (at King's College). Professor Halliburton was in the chair. Thirty-eight other members were present.

A discussion regarding the rules took place, some of the members calling in question the competence of the previous meeting to introduce amendments. Dr Sims Woodhead gave notice of a motion to rescind the amendments then introduced, exception being especially taken to the substitution of "one in three" for "one in five" as the rate for blackballing candidates.

This motion came up at the meeting of June 24th and was then agreed to.

May 21st, 1893 (at Cambridge). Mr Langley presided at the dinner which was held in St John's College. There was a large attendance (fifty-two). No business was transacted at the dinner but there were numerous communications at the afternoon meeting.

June 24th, 1893 (at Oxford). Professor Sanderson in the chair.

The following new members were balloted for and elected: H. Campbell (Guy's Hospital), W. Edmunds (Cambridge and St Thomas's Hospital), H. Morley Fletcher (Cambridge and St Bartholomew's), F. T. Oliver (Durham University), J. W. Pickering (St Bartholomew's Hospital).

W. Edmunds is Dr Walter Edmunds, well known as an authority on the thyroid.

Dr Herbert Morley Fletcher is now Senior Physician to St Bartholomew's Hospital.

F. T. Oliver is probably meant for Dr T. Oliver (now Sir Thomas Oliver), Professor of Medicine at Newcastle and formerly Professor of Physiology in the Newcastle-on-Tyne School of Medicine of Durham University.

Dr J. W. Pickering is a Lecturer at King's College, London.

July 8th, 1893 (at Guy's Hospital). The Society met here for the first time. Mr C. H. Golding-Bird occupied the chair. No business is recorded in the minutes of the dinner, but there were several communications at

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1 This stands so in the minutes, but if Dr Harry Campbell is meant it should be "St Bartholomew's."
the afternoon meeting, which were, as usual, published in the *Journal of Physiology*.

*October 21st, 1893 (at University College).* What is termed in the minutes an “extra” meeting was held to which Professor Kronecker of Bern and Professor Christian Bohr of Copenhagen were invited. Scientific communications were made by both guests and by some of the members.

The dinner meeting was held at the Horse-shoe Hotel, Tottenham Court Road, with Professor Sanderson in the chair and thirty-three other members and guests. The Chairman having expressed a warm welcome on behalf of the Society to the two distinguished foreign visitors, Professor Kronecker replied on behalf of both, and stated that he looked forward to return the welcome on the occasion of the meeting of the third International Physiological Congress at Bern in 1895.

Another guest was Professor R. Semon of Jena (brother of Sir Felix Semon), who was returning from pursuing researches in Zoology in the Tropics. His health having been proposed by Professor Yeo was duly honoured. After this Dr Pye-Smith proposed the health of Professor Yeo “who was, for this once, revisiting the scene of his former labours.”

*November 11th, 1893 (at St Mary’s).* The scientific meeting was held in Dr Waller’s laboratory and the dinner meeting at a neighbouring restaurant.

Dr Foster proposed, Dr Sanderson seconded and Mr Horsley supported a vote of condolence on the death of Sir Andrew Clark, Bart., F.R.S.¹.

Dr Foster called the attention of members to the International Medical Congress to be held in Rome at Easter 1894, and expressed the hope that there would be a large attendance of British physiologists.

*December, 1893.* The December meeting of 1893 (the day of the month is omitted in the minutes) was held at Charing Cross Medical School. Dr Mott was in the chair at the dinner and twenty-seven members were present.

A letter was read from Dr Foster announcing that Mr Langley had taken over the proprietorship of the *Journal of Physiology*, and another letter from Mr Langley suggesting a change in the financial relations of the *Journal* and the Society. A considerable discussion took place and finally it was resolved to refer both letters to the Committee for consideration and report.

¹ The eminent physician and former President of the Royal College of Physicians of London. Sir Andrew Clark had always taken a firm stand in support of physiological experiments on animals.
January 20th, 1894. This, the Annual Meeting, was held at the Charing Cross Hotel with Dr Sims Woodhead in the chair. There were present thirty-six members and one guest.

Certain alterations in the rules were agreed to.

The Committee and Officers having been chosen, the ballot for new members was next proceeded with. The following were elected: G. J. Burch (Oxford), Louis Cobbett (Cambridge), A. E. Garrod, Vaughan Harley, J. S. Menzies, W. H. R. Rivers, J. Risien Russell and W. H. Thompson.

Dr Louis Cobbett is a Lecturer on Pathology at Cambridge. He was for a time Professor of Pathology in the University of Sheffield.

Dr A. E. Garrod is now Sir Archibald Garrod, K.C.M.G., F.R.S., successor to Sir William Osler in the Regius Professorship of Medicine in the University of Oxford.

Dr Vaughan Harley, son of Dr George Harley, F.R.S. (p. 2), was Professor of Chemical Pathology in University College, London. He died in 1923.

Dr J. A. Menzies was Assistant to Professor Stirling at the Owens College, Manchester, and subsequently became Professor of Physiology in the Newcastle School of Medicine. He died in 1921.

Dr W. H. R. Rivers (F.R.S. 1908), a distinguished psychologist, was Lecturer on Psychology at Cambridge and Fellow of St John’s College. He died in 1922.

Dr J. Risien Russell, who was working with Horsley on cerebral localisation, is a neurologist and physician in London.

Professor W. H. Thompson (later Sir W. H. Thompson, K.B.E.) was Professor of Physiology in Queen’s University, Belfast, and afterwards filled the similar post in Trinity College, Dublin. He acted during the war as Adviser to the Ministry of Food. He was killed in the torpedoing of the “Leinster” in 1918, one of the last victims of the German submarine campaign.

The report on the letters from the editors of the Journal of Physiology was read. It suggested two alternatives, (1) the raising the subscription of members to 31s. 6d., of which 21s. was to be contributed to the Journal, and (2) that the association of the Journal with the Society be discontinued. The Committee recommended the former alternative, which was adopted by the meeting.

February 10th, 1894 (at King’s College). At the dinner in the evening Professor Halliburton was in the chair: there was an attendance of
forty members and guests, amongst the latter Professor Filehne and Dr George Oliver.

Professor Filehne was Professor of Pharmacology in Breslau. He died in 1927 at the age of 83.

Dr George Oliver was a physician practising in the summer at Harrogate. He wrote chiefly on the pulse and on the measurement of blood-pressure in man. He was working with the writer at University College this winter on the effects of suprarenal and other glandular extracts on the circulation. He joined the Society in June 1894. He died in 1915.

Some discussion took place regarding a proposal by the Association of the Advancement of Medicine by Research to publish a book on the subject of Animal Experimentation; but the matter was shelved for the time being.

Another proposition met with more favour, that namely, to give, conjointly with the Neurological Society, a dinner to the Croonian Lecturer, Professor Ramón y Cajal, similar to that given in 1892 to Professor Mosso on a like occasion.

March 10th, 1894 (at University College). On the occasion of the dinner to Cajal the Society met at Frascati’s Restaurant, Oxford Street, after a scientific meeting at University College. Professor Schäfer occupied the chair. The following members were also present: Allen, Bayliss, Beevor, Bokenham, Boyce, Bradford, Brodie, Brunton, Buckmaster, Copeman, Cunningham, Fawcett, Ferrier, Gaskell, Garrod, Golding-Bird, Gotch, Green, Grünbaum, Haldane, Halliburton, Head, Harley, Hewlett, L. Hill, Horsley, Kanthack, Kent, Marcot, Mott, Page, Pembrey, Phillips, Plimmer, Ransom, Rivers, Ringer, Rolleston, Rüffer, Russell, Sherrington, Starling, W. Stirling, Symes, Tuke, Washbourn, Hale White.

The Chairman proposed the health of Professor Cajal in a short speech, in which he alluded to the important advances in our knowledge of the nervous system which were due to our guest. The latter expressed his thanks for the reception given him by the Society, but as the reply was in Spanish it was understood by very few members. “For mine own part, it was Greek to me.”

1 The Mosso dinner was given in the evening of the same day he delivered his lecture (March 24th, 1892) at “Limmers” (?) restaurant, Professor Michael Foster in the chair. It appears not to have been considered a formal meeting of the Society, for there is no record of it in the Minute Book.
June 23rd, 1894 (at Oxford). Dr J. S. Haldane was in the chair at the dinner. Nineteen members were present.

The only business was the election of new members, as follows: J. Mitchell Clarke (Bristol), A. J. Whiting (London), H. G. Plimmer (London), J. S. Macdonald, G. Oliver, Fred Smith, A. Eichholtz (Cambridge), D. G. Hamilton, B. Halford (Melbourne), J. W. Barrett (p. 85).

Mr H. G. Plimmer (F.R.S. 1910) was a distinguished pathologist in London. He was Bacteriologist to St Mary's Hospital and Pathologist to the Cancer Hospital. He died in 1918 just after a chair of Comparative Pathology had been made for him at the Imperial College of Science.

Dr J. S. Macdonald (F.R.S. 1917) is now Professor of Physiology in Liverpool. He previously occupied the chair of Physiology in Sheffield.

Fred Smith was Major F. Smith of the Army Veterinary Department. He is now Major-General Sir F. Smith, C.B., K.C.M.G.

Professor D. G. Hamilton was Professor of Pathology in the University of Aberdeen. He died in 1909.

Dr A. Eichholtz is now Chief Medical Inspector of the Board of Education.

Dr B. Halford's name does not occur in any of the printed lists of members. He appears to have died shortly after his election.

July 14th, 1894 (at St Bartholomew's). Various communications were given in the laboratory in the afternoon. In the evening Dr Klein was in the chair. There were thirty-nine other members and guests present.

It was arranged to hold a special meeting at Oxford during the meeting of the British Association. This was the first meeting of the Association at which an independent Section of Physiology was constituted; the writer was the first president. The meeting of the Physiological Society at the same time and place materially contributed to its success.

August 11th, 1894 (at Oxford). This meeting was in the afternoon in the Physiological Laboratory, and in the evening at Magdalen College, Professor Burdon Sanderson in the chair. Forty-two members were present. The following were among the guests: Professor L. Hermann (Königsberg), Professor T. W. Engelmann (Berlin), Professor R. Dubois (Lyons), Professor W. Filehne (Breslau), Professor P. Heger (Brussels), Professor F. Fredericq (Liége), Professor J. Gaule (Zürich), Professor Th. Ziehen (Jena), Dr L. Bruns (Hanover), Dr E. Dupuy (Paris), Professor
W. Osler (Baltimore). The Chairman proposed the health of the foreign guests. It was responded to by Hermann, Engelmann, Dubois, Heger, Fredericq and Gaule.

Other meetings of the Society in 1894 were held on October 27th at Guy's Hospital with Dr Pavy in the chair, and on November 10th, at Dr Waller's private laboratory, with dinner at the Eyre Arms.

January 26th, 1895. The Annual Meeting for 1895 was held at Charing Cross Hotel. Dr Sanderson presided over an assembly of forty-six members and guests. After the ballot for Committee and Officers the following new members were elected: H. E. Durham (Cambridge), Eugène Dupuy (Paris), J. Lockhart Gibson (Brisbane), Gustav Mann (Oxford), William Ramsden (Oxford), A. B. Roxburgh, Thomas Stevenson.

Dr H. E. Durham was John Lucas Walker Student at Cambridge and Research Scholar in Pathology at Guy's Hospital.

Dr Eugène Dupuy seems to have been the first foreign physiologist to be elected an ordinary member of the Society. It now includes several, since there is nothing in the rules specifying that members shall be of British nationality. Dr Dupuy, who was a frequent visitor to England, died in 1924.

Dr Gustav Mann was Dr Sanderson's Assistant for Histology in Oxford. He was subsequently appointed to the Professorship of Physiology in Tulane University, New Orleans: but resigned that chair shortly afterwards. He died in 1921.

Dr W. Ramsden is now Professor of Biochemistry in the University of Liverpool.

Dr Thomas Stevenson was Lecturer on Medical Jurisprudence at Guy's Hospital. He was subsequently knighted. He died in 1908.

Dr J. Lockhart Gibson is a distinguished Edinburgh graduate who at first worked at Physiology but afterwards went into practice as Ophthalmic Surgeon in Brisbane. During the war he acted as Ophthalmic Surgeon in the Australian army.

The Treasurer's report showed a credit balance of £90. 10s. 7d. The Secretary also read his report, which showed that nineteen members had been elected, two had resigned and one had died. Nine meetings had been held—a greater number than in any previous year.

It was moved, seconded and carried that "the fees paid from the funds of the Society for table service at the dinners be discontinued".

1 But in spite of this and a previous resolution (p. 51) the practice has continued.
Dr Ruffer communicated a letter from the Law Officers of the Crown signed "R. T. Reid" (Attorney General, afterwards Lord Chancellor) and "Frank Lockwood" (Solicitor General), in which the nature of experiments under the Vivisection Act is defined. The letter was ordered to be entered in the minutes.

The attention of members was drawn to the announcement that the third International Physiological Congress would be held at Bern in the first week of September, under the Presidency of Professor Kronecker.

No business was transacted at the dinner meeting of February 19th, 1895, held at King's College under the Presidency of Professor Halliburton, except that it was decided to call a special meeting in order to alter the rules so as to allow of the appointment of a second Secretary.

This special meeting was accordingly held on March 16th, at University College, with Professor Michael Foster in the chair, and the alterations made. The ordinary scientific meeting then followed, and was succeeded as usual by the dinner meeting. This was at Frascati's Restaurant with Professor Schäfer in the chair. Fifty-nine members and guests were present, the occasion being taken to offer a welcome to Professor T. W. Engelmann of Berlin, who was visiting this country to give the Croonian Lecture before the Royal Society. Professor Engelmann's health was proposed by the Chairman, seconded by Professor Foster. It was received with enthusiasm and suitably acknowledged. Amongst others present at the meeting three names occur which have not before been entered in the minutes, namely: D. Nabarro, A. D. Phear and Benjamin Moore.

Dr D. N. Nabarro was at the time working in the Physiological Laboratory at University College. He is now Pathologist to the Hospital for Sick Children, Great Ormond Street, London.

Dr A. D. Phear is Physician to the Royal Free Hospital. He was working with Sydney Ringer at University College.

Dr Benjamin Moore (F.R.S. 1912) was Assistant to the Professor of Physiology at University College. He became successively Professor of Physiology at Yale University, Professor of Biochemistry at Liverpool, and Professor of Biochemistry at Oxford. He died in 1922.

May 18th, 1895 (at Cambridge). The dinner was at St John's College, with Dr Gaskell in the chair. There were forty-seven members and guests present.
The Chairman alluded to the recent death of Carl Ludwig, one of the Honorary Members of the Society.

It was announced that the date of the commencement of the International Congress at Bern had been altered to September 9th.

*June 29th, 1895 (at Oxford).* The dinner was at Magdalen College with Professor Gotch, who had lately succeeded Burdon Sanderson in the Waynflete Professorship, in the chair. There were thirty-seven members and guests present. Amongst these was J. B. Leathes.

Dr Leathes (F.R.S. 1911) was then a Lecturer at St Thomas’s Hospital Medical School and afterwards Professor of Pathological Chemistry at the University of Toronto. He is now Professor of Physiology in the University of Sheffield.

Occasion was taken at this meeting to present to Professor Sherrington (who, having been appointed to the Professorship of Physiology in the University of Liverpool, had resigned the Secretaryship), on behalf of the members of the Society, a gift of silver plate bearing a suitable inscription. The presentation also included a special gift to Mrs Sherrington. Speeches were made by the Chairman, by Professor Burdon Sanderson and by Dr Mott. The Secretary expressed warm appreciation on behalf of Mrs Sherrington and himself both of the gifts and of the speeches accompanying them.

A ballot for new members was then taken. The following were elected: P. C. Colls (King’s College, London), G. Lovell Gulland (now Professor of Medicine in Edinburgh), R. M. Horne (Manchester), J. B. Leathes, Allan MacFadyen (College of State Medicine, London).

*January 11th, 1896.* This, the Annual Meeting, was held at the Charing Cross Hotel with Dr Pembrey in the chair. Sixteen other members were present.

The Committee having been elected and the Treasurer, Dr W. H. Gaskell, re-elected, two new Secretaries were chosen (in accordance with the rule adopted at a previous meeting), namely, Dr E. H. Starling and Dr L. E. Hill. Three new members were also elected, namely, F. W. Tunnicliffe (London), W. S. Lazarus-Barlow (Demonstrator of Pathology, Cambridge) and Robert H. Bolam (Demonstrator of Physiology, Newcastle).

1 I have been unable to find in the Minute Book any mention of Ludwig’s election. Perhaps it was in the excised portion (p. 83).
Dr F. W. Tunnicliffe became Lecturer on Therapeutics and Physician to King's College Hospital.

Dr W. S. Lazarus-Barlow was Professor of Experimental Medicine at the Middlesex Hospital Medical School (now retired).

Sir Robert Bolam, O.B.E., is Physician in the Skin Department of Victoria Infirmary, Newcastle-on-Tyne, and a member of the General Medical Council.

The Secretary reported that nine meetings had been held during 1895, and that the number of members was now 171. Also that many members attended the Third International Physiological Congress at Bern, presided over by Professor Hugo Kronecker. The retiring Secretary "records his thanks to the members for the courtesy and cordial cooperation they have always given him."

The Treasurer's Report for 1895 shows a credit balance of £129. 8s. 2d.

February 15th, 1896 (at King's College). At the dinner, which, as usual, was preceded by a scientific meeting, Professor Halliburton occupied the chair. There were twenty-three other members present and six guests.

Dr Gaskell having asked to be relieved of his duties as Treasurer, it was resolved to request Dr Waller to act with him as Treasurer for the year.

Dr Starling moved and Professor Horsley seconded a motion affirming "that it is undesirable that any members of the Society should accept a teaching post in Physiology at any school where the authorities prohibit the laboratories from being licensed for experimental work." This was carried unanimously.

March 14th, 1896 (at King's College). Dinner at Frascati's Restaurant with Professor Schäfer in the chair. Thirteen members and two guests were present. One of the guests was Mr Benjamin Moore.

May 16th, 1896 (at Cambridge). Dinner at St John's College, with Professor Langley in the chair. Twenty-three members and five guests were also present. One of the guests was Dr W. E. Dixon.

June 27th, 1896 (at Oxford). The dinner was in Magdalen College Junior Common Room, with Professor Burdon Sanderson in the chair. Twenty-two members and nine guests were present. The guests included Professor James Ritchie and Professor W. R. Dunstan. Miss Florence Buchanan was present as a visitor at the Scientific Meeting.
Professor Ritchie was at that time Professor of Pathology in Oxford: he afterwards became Director of the College of Physicians' Laboratory in Edinburgh; and Professor of Bacteriology in Edinburgh University (1913). He died in 1923.

Miss Florence Buchanan was acting as assistant to Burdon Sanderson, and worked with him, and independently, at electrophysiology, especially of muscle.

Mr W. R. Dunstan was Professor of Chemistry to the Pharmaceutical Society; and afterwards Director of the Imperial Institute. He is now Sir Wyndham Dunstan, F.R.S.

The following new members were elected: W. Langdon Brown (Cambridge), P. Horton Smith (London), Benjamin Moore, H. Willoughby Lyle (King's College), I. L. Tuckett (Cambridge), S. W. F. Richardson (St Thomas's), A. Edmunds (King's College).

Dr W. Langdon Brown is now Physician to St Bartholomew's Hospital.

Dr Horton Smith is now Sir Percival Horton-Smith Hartley, Physician to St Bartholomew's Hospital and to the Brompton Hospital for Consumption.

Mr Willoughby Lyle is now Ophthalmic Surgeon to King's College Hospital.

Dr Ivor Lloyd Tuckett was Demonstrator of Physiology in Cambridge and Fellow of Trinity College.

Mr S. F. W. Richardson was working on "Heat Contraction of Muscle" with Brodie. He is now in Cape Town.

Mr Arthur Edmunds is now Surgeon to King's College Hospital.

October 17th, 1896 (at St Bartholomew's). Dinner was at the Holborn Viaduct Hotel. Dr Klein was in the chair: thirteen other members and six guests (names not entered) were present. The Secretary, Dr Starling, read the draft of a letter congratulating Professor Kühne on the 25th anniversary of his installation as Professor of Physiology in the University of Heidelberg. The letter and reply are in the Minute Book.

This was the first meeting held at St Bartholomew's.

November 14th, 1896. This meeting was held for scientific communications in Dr Waller's laboratory at his private house (16, Grove End Road), and for dinner at the Eyre Arms Hotel close by. Dr Waller was in the chair. Sixteen members and two guests, Messrs Bullock and Squire, were present.
Bullock is doubtless meant for Dr William Bulloch (F.R.S. 1913), now Professor of Bacteriology in the London Hospital Medical College.

Squire is probably Dr J. E. Squire, who was Physician to the Brompton Hospital for Consumption.

The Secretaries were directed to give the members at least fourteen days' notice of each meeting, and notice of communications at least ten days beforehand. It was decided to hold the next meeting at the London Hospital Medical College.

December 12th, 1896 (at the London Hospital). This meeting was accordingly held for scientific communications in the Physiology Department, and for dinner in the Students' Club. Dr Leonard Hill took the chair, and eleven members were present as well as three guests (H. Barnard, G. Elliot-Smith and Munro Scott).

Mr H. L. Barnard, F.R.C.S., was working with Leonard Hill at the method of determining blood-pressure in man. He was Assistant Surgeon at the London Hospital. He died in 1908.

Dr G. Elliot Smith (F.R.S. 1907) was successively Professor of Anatomy in Cairo and in Manchester. He is now Professor of Anatomy in University College, London, where he succeeded Sir George Thane.

Dr Munro Scott was at the time Warden of the London Hospital Medical School.

This was the first time the Society held a meeting at the London Hospital.

January 16th, 1897 (at Charing Cross). This, the Annual Meeting, was held at the Charing Cross Hotel, after a scientific reunion at the Charing Cross Hospital Medical School. Dr Pembrey took the chair: twenty-nine other members and five guests were present (unnamed).

Reports for the year were presented by the Secretaries and Treasurer. The Secretaries reported the death of Professor E. Du Bois-Reymond, one of the Honorary Members, and the further loss of three members by death, namely, R. Horne (Manchester), H. Newell Martin, and Sir Benjamin Richardson, F.R.S., and of four by resignation, namely, Charles Roy (on account of illness), E. B. Poulton, Mansell-Moullin and A. de Watteville.

A vote of condolence with the widow of Professor Du Bois-Reymond
was moved by Dr Waller, seconded by Dr Gaskell and adopted; as was a vote of thanks to Dr Gaskell for his long labours on behalf of the Society as Treasurer\(^1\). This was moved by Professor Schäfer and seconded by Professor Gotch and carried by acclamation.

After election of the Committee and the re-election of the Officers the ballot for new members took place. The following were declared elected: A. E. Russell (St Thomas's Hospital), W. R. Dunstan, H. M. Vernon (Oxford), Swale Vincent, A. B. Macallum (Toronto), W. H. Wilson (Oxford), D. N. Nabarro, W. Stafford (Nottingham), Harold Barnard.

Dr A. E. Russell is now Physician to St Thomas's Hospital.

Dr H. M. Vernon was Demonstrator of Physiology at Oxford, but is now engaged in work on Industrial Fatigue.

Dr Swale Vincent was at University College, London, at this time, and afterwards worked in Edinburgh. He subsequently became Professor of Physiology in the University of Manitoba, Winnipeg. He is now Professor of Physiology at the Middlesex Hospital Medical School.

Dr A. B. Macallum (F.R.S. 1906) was Professor of Physiology and subsequently of Biochemistry in the University of Toronto. He is now Professor of Biochemistry in McGill University, Montreal.

Dr W. H. Wilson is now Professor of Physiology at Cairo.

A new feature was introduced at this, the twenty-second Annual Meeting, namely the fixing of the dates and places of meeting for the ensuing twelve months. Nine meetings were arranged for.

March 20th, 1897 (at University College). After a scientific meeting in the Laboratory the dinner meeting was held in Frascati's Restaurant with Professor Schäfer in the chair. Sixteen other members and two guests (W. Rockwood and H. Hawker) were also present.

Both the guests were working in the Physiological Laboratory of University College, Dr Rockwood with Benjamin Moore on absorption of fats from the intestine. He afterwards became Lecturer on Physiology in the Medical College of Colombo. Mr H. Hawker afterwards went to Sydney as Assistant to the Professor of Physiology.

\(^1\) The minute adds "a post which he held since the foundation of the Society." I think this must have been added by the Secretary in writing up the minutes, since I was well aware that during the first eight years of the Society Mr George J. Romanes acted as Treasurer.
May 8th, 1897 (at Cambridge). After the scientific meeting at the Physiological Laboratory, the dinner was held in St John’s College, Professor Foster in the chair, with thirty-five other members and fourteen guests.

Two delegates (W. D. Halliburton and E. H. Starling) were designated to represent the Society on the Catalogue Committee of the Royal Society. The Society agreed to co-operate in this work, but expressed inability to afford financial assistance. Fourteen of the members present at the meeting offered to aid in the work of cataloguing.

June 12th, 1897 (at Guy’s Hospital). This meeting was held in the new laboratories at Guy’s Hospital: several scientific communications were made. The dinner was in the College—with Dr Pye-Smith in the chair; fifteen members and five guests (names not recorded) were present.

The following new members were elected: R. Hutchinson (London Hospital), F. Eve (Cambridge), John Macfadyean.

R. Hutchinson should be Dr Robert Hutchison, Physician to the London Hospital and to the Hospital for Sick Children, Great Ormond Street.

F. Eve is Dr F. C. Eve, now Senior Physician to the Royal Infirmary, Hull.

Sir John Macfadyean is Professor of Comparative Pathology and Principal of the Royal Veterinary College.

On the motion of Professor Schäfer, seconded by Professor Horsley, the Committee was empowered to spend a sum not exceeding ten guineas in obtaining Counsel’s opinion on a recent anti-vivisectionist libel on two of its members, W. M. Bayliss and L. E. Hill.

July 3rd, 1897 (at Oxford). The meeting for scientific communications was held in the Physiological Laboratory and for dinner in Magdalen College.

The Chairman, Professor Gotch, presented Dr Gaskell on behalf of the Society with a set of silver candlesticks and a tea caddy, in recognition of the services he had rendered the Society during his long tenure of the office of Honorary Treasurer.

1 But eventually the Society voted £10 a year towards the expenses of cataloguing papers dealing with Physiology.

2 The members present at this meeting are not recorded in the minutes. Later this omission became frequent.
October 16th, 1897 (at St Bartholomew's). The Society met for scientific communications in the Physiological Laboratory of the Medical School, and for dinner at the College. Dr Klein occupied the chair. The attendance was comparatively small (nine members and two guests), and no business is recorded except that the Secretaries were instructed to offer condolences on behalf of the Society to the relatives of the late Professor R. Heidenhain (of Breslau), and Professor Drechsel (of Bern).1

November 13th, 1897. The Society met in Dr Waller's private laboratory at 16, Grove End Road, for scientific business and at the Eyre Arms for dinner. Dr Waller was in the chair. There were, besides, twenty-three members2 and three guests (the guests are not named).

A resolution was proposed by Dr Starling and seconded by Professor Schäfer deprecating the introduction of Biology into the ordinary medical curriculum as tending to occupy time which should be devoted to Physiology. The motion was rejected by nine votes to six.

December 11th, 1897 (at St Thomas's). This meeting was held in the Physiological Laboratory of St Thomas's Hospital—the first meeting to be held there. At the dinner Dr Brodie took the chair. Nineteen members were present and five guests (not named).

A discussion took place regarding the new proposals of the General Medical Council regarding the preliminary sciences and the medical curriculum. A resolution affirming that, whilst it is desirable that Biology shall be retained, it is necessary that adequate time (at least two winter sessions and one summer session) should be given to Physiology, was ultimately adopted and ordered to be transmitted to the General Medical Council and the Royal Colleges.

On the motion of Dr Starling it was resolved that a notice be sent round to members of the Society inviting them to subscribe to the Drechsel Memorial Fund, regarding which a letter from Professor Kronecker was laid before the Society3. This was agreed to.

January 15th, 1898 (at Charing Cross). The Annual General Meeting for 1898 was held in the Charing Cross Hotel (preceded by a scientific meeting at the Charing Cross Hospital Medical School). Professor Michael Foster took the chair at the dinner and there were present in addition thirty-five members and five guests (not named).

1 The letters of acknowledgment are preserved in the minutes.
2 The members present included Professor Anderson Stuart of Sydney.
3 The letter is preserved in the minutes.
It may be of interest to give the names of the members present as an indication of those who were in the habit of attending the annual meetings at this period. The list as entered in the minutes is: “L. Hill, L. Shore, Wright, Waller, Page, Buckmaster, Barnard, Grünbaum, Sherrington, Vincent, Moore, Bayliss, Edmunds, Gotch, Schäfer, Sanderson, Hopkins, Ramsden, Lorraine-Smith, L. Barlow, Philips, Pembrey, Halliburton, Harley, Anderson, Garrod, Edkins, Gaskell, Fletcher, Plimmer, Starling, Head, Beevor, Mann, Russell.”

For the same reason the names of the Committee and Officers elected are given. They are: “Allen, Bayliss, Brodie, Edkins, Foster, Gaskell, Gotch, Halliburton, Langley, MacMunn, Pembrey, Reid, Sanderson, Schäfer, Sherrington”—with A. D. Waller as Treasurer, and E. H. Starling and Leonard Hill as Secretaries.

The Committee and Officers having been chosen, the following new members were balloted for and declared elected: W. C. Pakes (Johannesburg), C. F. Myers-Ward (Sheffield), J. le M. Bunch (University College), W. M. Fletcher (Cambridge), F. W. Andrewes (St Bartholomew’s), W. Bulloch and O. F. F. Grünbaum (London).

Dr W. M. Fletcher is now Sir Walter Morley Fletcher, K.B.E., F.R.S., Secretary of the Medical Research Council.

Dr Myers-Ward afterwards became Lecturer on Physiology in the Medical School of Charing Cross Hospital. He died in 1914.

Dr F. W. Andrewes is now Sir Frederick Andrewes, O.B.E., Professor of Pathology at St Bartholomew’s.

Dr O. F. F. Grünbaum (who, in 1914, changed his name to Leyton) is Physician and Lecturer on Pharmacology at the London Hospital.

The dates and places of meeting were arranged for the ensuing twelve months.

A joint letter from Professor Rutherford and Dr Noël Paton was read inviting the Society to meet in Edinburgh at the end of July during the meeting of the British Medical Association. The invitation was referred to the Committee for consideration.

One of the Secretaries, Dr Leonard Hill, was appointed editor of the Proceedings for the ensuing year.

Professor Sherrington moved and Professor Halliburton seconded a resolution that a British Organising Committee be formed for the purpose
of arranging the business of the forthcoming Physiological Congress at Cambridge, to consist of the Committee of the Physiological Society with the addition of Drs Pye-Smith and Noël Paton, Professors Rutherford, McKendrick, Haycraft, Stirling, Purser and W. H. Thompson. This was agreed to, and it was also agreed to guarantee £100 towards the expenses of the Congress.

It was resolved that, as a rule, communications to the Society should be limited to twenty minutes. An attempt was also made to oust the dinner from the predominant position it had hitherto occupied, some of the members wishing to restrict the dinner to four meetings in the year: others desired that every meeting in London should be accompanied by a dinner, as had hitherto been the custom. Eventually the question was referred to the Committee for consideration and report. [At a subsequent meeting it was agreed to alter the rules so as to make a dinner compulsory at only six meetings a year instead of at every meeting.]

February 12th, 1898 (at King's College). At the dinner, with Professor Halliburton in the chair, ten other members and three guests were present.

On the recommendation of the Committee “the invitation of Professor Rutherford and Dr Noël Paton to hold a meeting of the Society in Edinburgh in the following July was refused, with regrets.”

March 12th, 1898 (at University College). This was a special meeting for making the proposed changes in the rules—so that it was now enacted that the ordinary meetings of the Society are to be held in the afternoon for the purpose of making demonstrations and communications (demonstrations to have the preference) and that communications are to be limited to twenty minutes except by express vote of the meeting. Further that at six meetings (which were specified) “the members shall dine together at 6.30 o'clock: the minutes to be read only at these meetings.”

Professor Kühne of Heidelberg, Professor Engelmann of Berlin and Professor Marey of Paris were elected Honorary Members.

May 7th, 1898 (at Cambridge). The dinner was held in Trinity College, Professor Langley in the chair. Thirty members and six guests were present. Amongst the guests we find the name of Professor Bottazzi of Naples.

It was agreed to subscribe twenty-five guineas to the Drechsel Me-
Memorial Fund (p. 119) and £20 towards the expenses of the International Catalogue Committee.

_June 11th, 1898 (at Guy's Hospital)._ Professor Schäfer in the chair. Eight other members and two guests were present. The following new members were elected: Professor A. White (Dublin), Dr W. Page May and Mr "Hubert" Hawker.

Dr Page May was a distinguished neurologist, who died at a comparatively early age in 1910. He worked chiefly on the conducting paths of the brain and cord.

_July 9th, 1898 (at Oxford)._ The dinner was held at Magdalen College, Professor Gotch in the chair. Twenty-five other members and six guests were present.

The Secretary announced that, including the Society's donation, about £75 had been contributed from England towards the Memorial Fund to Professor Drechsel. Altogether 14,000 francs had been received by the Bern Committee: this would be wholly devoted to the support of the widow and children, the University of Bern having undertaken to erect a memorial over the grave at Naples.

_November 12th, 1898 (at St Mary's)._ The dinner was held at a neighbouring restaurant, with Dr Waller in the chair. Eleven other members and three guests were present.

One of the guests was Dr A. P. Beddard, of Trinity College, Cambridge, and Guy's Hospital Medical School, where he was at the time Demonstrator of Physiology. He is now Senior Physician to Guy's Hospital.

From this time there is a change in the compilation of the minutes, the lists of names and even the number of members attending being only occasionally entered during the years 1899-1906, while from 1907 onwards the names of members and guests are omitted altogether: exception being made for distinguished foreigners. This change, while rendering an account of the history of those years more easy to compile, detracts from its interest, since it leaves for record only the names of new members, and occasional matters of importance with which the Society has from time to time been concerned.

The list of new members elected during 1899 includes the names of F. E. Batten, A. P. Beddard, J. B. Farmer, F. S. Locke (King's

1 Should be "Henry."

Dr F. E. Batten was Physician to the National Hospital for the Paralysed and Epileptic.

Mr J. B. Farmer (F.R.S. 1900) is now Sir John Bretland Farmer, Professor of Botany in the Imperial College of Sciences and Technology, London.

Dr F. S. Locke (working at King's College) is the inventor of the well-known Locke's solution—a modification of Ringer's fluid—and of many ingenious devices used in physiology.

Dr A. Croft Hill was working at Cambridge on the reversibility of the action of enzymes. He is now practising in London.

Dr F. W. Goodbody was Assistant Professor of Pathological Chemistry in University College, London.

Dr T. J. Horder is now Sir Thomas Horder, Bart., Physician to St Bartholomew's Hospital.

Dr W. E. Dixon (F.R.S. 1911) was Professor of Materia Medica in King's College, London. He is now Reader in Pharmacology in the University of Cambridge.

Dr S. C. Mahalanobis is Professor of Physiology in the University of Calcutta.

Dr J. Graham Brown was an eminent Edinburgh physician, who devised a number of ingenious physiological apparatus. He is best remembered for his work with Roy on the capillary circulation. He died in 1925.

Dr J. O. W. Barratt afterwards became Director of the Cancer Research Laboratory in the University of Liverpool.

R. Marshall is Dr C. R. Marshall, now Professor of Materia Medica in the University of Aberdeen, but at that time in Dundee.

The death was reported during 1899 of two distinguished members of the Society, namely, Sir W. Roberts, F.R.S., and Professor Rutherford, F.R.S., one of the original members. The resignation, amongst others, of Mr A. G. Dew-Smith, another of the original members (p. 26), was also reported.


A. B. Boycott is a mistake for Dr A. E. Boycott (F.R.S. 1914), now Professor of Pathology in University College Medical School.

Dr T. H. Milroy is Professor of Physiology in Belfast. He was at this time Assistant in the Department of Physiology in Edinburgh.

Dr R. Row, O.B.E., was working at this time in the University College laboratory. He is now Physician to the Parsi General Hospital, Bombay.

Dr J. W. H. Eyre is Professor of Bacteriology at Guy's Hospital.

Dr H. H. Dale, C.B.E. (F.R.S. 1914), is Director of the Biochemical Laboratory of the Medical Research Council, and was formerly Director of the Wellcome Pharmacological Laboratory. He is at present one of the Secretaries of the Royal Society.

Dr W. A. Osborne was at that time working at University College. He is now Professor of Physiology in Melbourne.

Mr J. Barcroft, C.B.E. (F.R.S. 1910), is now Professor of Physiology in Cambridge, in succession to Langley. He acted as Hon. Secretary of the Society from 1909 to 1920.

Dr J. J. R. Macleod (F.R.S. 1923) is Professor of Physiology in Toronto. He received a Nobel Prize for Medicine in 1923.

Dr G. H. F. Nuttall (F.R.S. 1904) is Professor of Biology in Cambridge.

The death of Professor W. Kühne of Heidelberg, one of the Honorary Members, was reported to the Society at the meeting in June 1900. The Society also lost in the same year by death one of its most esteemed ordinary members, W. Marcet, F.R.S.

New members elected in 1901 include the names J. A. Milroy (Edinburgh), W. Hunter, D. J. Coffey (Dublin), F. A. Bainbridge (London), S. G. Hedin, N. H. Alcock (London), G. Bullot, S. Rowland (p. 156), G. Dean and I. Walker Hall.

Dr J. A. Milroy is now Professor of Biochemistry in Belfast.

Dr D. J. Coffey is now Pro-Vice-Chancellor of the National University of Ireland and President of University College, Dublin.

Dr F. A. Bainbridge (F.R.S. 1919) was Professor of Physiology at Newcastle, and afterwards Professor of Physiology at St Bartholomew's Hospital Medical School. He died in 1921.
S. G. Hedin is now Professor of Physiological Chemistry in the University of Upsala.

Dr N. H. Alcock succeeded Dr Waller as Lecturer on Physiology in St Mary's Hospital Medical School. He was appointed to the chair of Physiology in McGill University, Montreal, in 1911. He died in 1913.

Dr G. Dean was Chief Bacteriologist in the Lister Institute.

Dr I. Walker Hall is Professor of Pathology at Bristol.

July 20th, 1901 (at Edinburgh). The Society for the first time held a regular meeting in the Physiology Department of Edinburgh University, Professor Schäfer, who had succeeded Professor Rutherford there in 1899, having invited the Society to meet in his Laboratory. Henceforth this became one of the recognised meeting places of the Society, although the distance from London rendered it impracticable to meet there oftener than every second or third year. This occasion was chosen for the inauguration of the new laboratory for Experimental Physiology, which had been erected as a memorial to Professor Hughes Bennett (the predecessor of Professor Rutherford in the chair of Physiology) by his daughter, Mrs Cox. It was opened by Sir John Burdon Sanderson, himself an old pupil of Hughes Bennett. The dinner was attended by the following members and guests, fifty-eight in all: Professor Schäfer (in the chair), Sir John Burdon Sanderson, Sir William Turner, Professor T. Fraser, Professor McWilliam, Professor Waymouth Reid, Professor R. Stockman, Professor Rubert Boyce, Professor Sherrington, Professor Hamilton, Professor Ewart, Dr Mott, Mr W. M. Bayliss, Dr B. Moore, Dr J. O. W. Barratt, Dr Waller, Dr C. D. F. Phillips, Dr J. Graham Brown, Dr Thomas Oliver, Dr A. S. Grünbaum, Dr Chalmers Watson, Dr Milne Murray, Dr Myers Ward, Dr Harvey Littlejohn, Dr T. H. Milroy, Dr J. A. Milroy, Dr P. T. Herring, Dr Sutherland Simpson, Dr Gulland, Dr Rivers, Dr N. H. Alcock, Dr Noël Paton, Mr Harold Stiles, Mr R. A. Bolam, Dr F. W. Pavy, Dr J. C. Dunlop, Dr Ker, Dr Allan McFadyean, Dr G. Mackay, Dr J. J. R. Macleod, Dr R. J. A. Berry, Sir J. Batty Tuke, Dr Berry Hart, Mr Alexis Thomson, Dr Page May, Dr R. Hutchison, Professor Th. Cash, Professor R. Muir, Dr Welsh, Dr A. L. Gillespie, Dr Logan Turner, Dr John Thomson, Dr J. Lorrain Smith, Dr C. F. White, Dr A. Bruce, Dr G. Gibson, Dr E. H. Fraser, Dr George Berry.

January 18th, 1902 (at King's College). This was the Annual Meeting. Dinner was at the Charing Cross Hotel, with Professor Halliburton in the chair.
The Secretaries reported that the Society now numbers 211 ordinary and four Honorary Members. Eight meetings were held during the year, including one in Edinburgh, “where the Society received a most hospitable welcome.”

The Treasurer reported a credit balance of £177. 10s. 9d.

A number of alterations were made in the rules—chiefly dealing with the conduct of meetings and the increase in amount of subscription.

The election of the Committee and Officers then took place: this was followed by the election of new members.

The following new members were chosen: D. F. Harris, Macdougall, P. T. Herring, E. H. Fraser, S. Simpson, R. Muir, C. S. Seligman (London).

Dr D. F. Harris is Professor D. Fraser Harris, formerly Professor in Dalhousie University, Halifax. This seems to have been a re-election.

Macdougall is Professor William Macdougall (F.R.S. 1912), formerly in Oxford, now at Harvard.

Dr P. T. Herring was at that time Assistant to the Professor of Physiology in Edinburgh. He is now Professor of Physiology in St Andrews University.

Dr Sutherland Simpson was at that time Assistant to the Professor of Physiology in Edinburgh. In 1908 he was appointed to the chair of Physiology in Cornell University. He died in 1926. An account of his life and work is given in the Quarterly Journal of Experimental Physiology, vol. xviii.

Dr Robert Muir (F.R.S. 1911) is Professor of Pathology in the University of Glasgow.

July 5th, 1902 (at Oxford). Dinner at Magdalen College, Professor Gotch in the chair.

The following new members were elected: E. W. A. Walker, N. F. Surveyor (Bombay), V. J. Woolley (Cambridge), John Malcolm, C. S. Myers and J. H. Widdicombe (Cambridge).

Dr E. W. Ainley Walker is a Fellow of University College, Oxford, and Lecturer on Pathology. He was formerly Gordon Lecturer in Pathology to Guy’s Hospital.

Dr V. J. Woolley is Lecturer on Pharmacology in St Thomas’s Hospital Medical School.
Dr John Malcolm was Assistant in the Department of Physiology, Edinburgh. He is now Professor of Physiology in Dunedin.

Dr C. S. Myers (F.R.S. 1915) is Director of the National Institute of Industrial Psychology and Reader in Experimental Psychology at Cambridge.

"An invitation from the Principal of the University of London for the Society to meet in the Laboratory of that Institution having been read it was resolved, on the motion of Dr Waller, seconded by Sir John Burdon Sanderson, that the invitation should be accepted."

January 17th, 1903 (at King's College). This was the Annual Meeting. Dinner was at the Charing Cross Hotel, with Professor Halliburton in the chair. The number of members attending is not given.

Dr Leonard Hill resigned the Secretaryship—after six years' tenure—and Dr T. G. Brodie was selected to act along with Mr W. M. Bayliss, who had been appointed in January 1900. The Committee was also elected.

Five Honorary Members were elected, namely, Professor Ehrlich of Frankfurt; Professor L. Hermann of Königsberg; Professor Pflüger of Bonn; Professor Schmiedeberg of Strasburg; and Professor E. Hering of Leipzig.

The following new members were admitted: R. S. Woodworth (New York), S. W. Cole (Cambridge) and W. G. Smith (London).

Dr R. S. Woodworth is Lecturer on Psychology in Columbia University.

Mr S. W. Cole is Lecturer on Medical Chemistry at Cambridge.

Mr W. G. Smith became Lecturer on Psychology in Liverpool and afterwards in Edinburgh. He died in 1919.

The Treasurer's Report was read. The Report of the Secretaries was postponed until the March meeting.

Since January 1900 the minutes have been in Dr Leonard Hill's handwriting, but this now gives place to Mr Bayliss's. In every case the change of Secretary has produced some difference in the manner of keeping the minutes. Under the last two administrations it had been customary to omit the names of members and guests attending the dinner meetings, but Mr Bayliss reverts for a time to the old plan of recording the names.

March 21st, 1903 (at University College). Professor Starling in the chair. There were twenty-nine members and five guests present. Amongst
the guests are the names of Scharlieb, Schryver, Henderson, Loewi and Priestley.

Scharlieb is Col. H. J. Scharlieb, M.D., C.M.G. (who in 1914 changed his name to Shirley), now chief Anaesthetist to University College Hospital.

Dr S. B. Schryver is Professor of Biochemistry in the Imperial College of Science, South Kensington.

Dr Loewi is now Professor of Pharmacology in Graz.

A vote of thanks was proposed to the retiring Secretary, Dr Leonard Hill, expressing appreciation of the services he had rendered the Society during his period of office.

May 16th, 1903 (at Cambridge). Dinner was at St John’s College, with Professor Langley in the chair; there were present thirty-eight other members and eleven guests. Amongst the latter we find the names J. Gaskell, Elliott, Seward, Lucas, Mellanby and Henderson (E. E.).

Dr John Foster Gaskell is the son of Walter Gaskell, one of the original members and some time Treasurer. Dr J. Gaskell is now Assistant Physician to Addenbrooke’s Hospital, Cambridge.

Elliott is Dr T. R. Elliott (p. 131).

Seward is Professor A. C. Seward, F.R.S., Master of Downing College, and Professor of Botany in the University of Cambridge.

Lucas is Keith Lucas (p. 131).

Mellanby. It is not clear whether this is Professor E. Mellanby (p. 142) or Professor J. Mellanby (p. 138), probably the former.

June 27th, 1903 (at Oxford). Dinner was at Magdalen College with Professor Gotch in the chair. There were present twenty-one members and seven guests. Amongst the latter are the names Dreyer and Aders Plimmer.

The following new members were elected to the Society, namely, Powell White (Manchester), Schryver, Loewi and Drysdale (London).

Dr Georges Dreyer, C.B.E. (F.R.S. 1921) is now Professor of Pathology in the University of Oxford.

Dr Powell White is a Lecturer on Pathology in the Victoria University, Manchester.

Dr Drysdale was Physician and Joint Lecturer on Medicine in St Bartholomew’s Hospital (now Consulting Physician).
E. SHARPEY-SCHAFER

July 25th, 1903 (at Edinburgh). The dinner was held in the North British Station Hotel, with Professor Schäfer in the chair. There were present fifteen members and eight guests. The guests included Harvey Littlejohn (now Professor of Forensic Medicine in Edinburgh), John Tait, T. H. Bryce (Professor of Anatomy in Glasgow), Andrew Hunter, W. Cramer and Major Elliot, I.M.S. (p. 131).

Professor Littlejohn died in August, 1927.

Dr W. Cramer was Lecturer on Biochemistry in Edinburgh. He is now at the Cancer Research Institute, London.

November 14th, 1903 (at Guy's Hospital). Dr Stevenson was in the chair: there were present twenty-three members and five guests.

The guests included Professor Atwater, the inventor of the large calorimeter chamber, which in an improved form has been employed with marked success by Professor F. G. Benedict at the Carnegie Nutrition Laboratory in Boston.

January 23rd, 1904 (at University College). At this, the Annual Meeting, thirty-three members and four guests were present, Professor Starling in the chair.

The Treasurer's report showed a credit balance of £297. 4s. 9d. as against last year's balance of £150. 9s. 8d. It was decided to invest the balance in the purchase of Consols.

The Secretary reported that the number of members was 216, the same as last year, seven new members having been elected and seven old members resigned.


Dr H. G. Chapman is now Professor of Physiology in Sydney.

Dr H. R. Dean is now Professor of Pathology at Cambridge.

Dr R. H. Aders Plimmer is Professor of Chemistry at St Thomas's Hospital Medical School. He is the son of Dr H. G. Plimmer (p. 110).

Dr Andrew Hunter was working in the Physiology Department of the University of Edinburgh. He afterwards went to Cornell as Associate Professor of Biochemistry, and is now Professor of Biochemistry in the University of Toronto.

Dr Thomas Lewis, now Sir Thomas Lewis, K.B.E. (F.R.S. 1918), is Lecturer on Cardiac Pathology in University College Medical School, and Physician to the Hospital.

PH.
Dr Otto May is a Cambridge graduate who worked on the nervous system, partly with Horsley. He is now a physician in London.

Dr E. P. Cathcart, C.B.E. (F.R.S. 1920), is Professor of Chemical Physiology in the University of Glasgow.

On the motion of Professor Sherrington, seconded by Sir Victor Horsley, it was decided to appoint a standing committee to report from time to time on Physiology in regard to Educational Questions. The following were nominated on the committee: Starling, Gotch, Waller, Halliburton, Edkins, Schäfer, Myers, Brodie and Sherrington.

**March 19th, 1904 (at King's College).** Dinner at the Hotel Cecil with Professor Halliburton in the chair: there were present also eighteen members and four guests, amongst the latter Dr Simon Flexner, the Director of the Rockefeller Institute, New York.

**May 21st, 1904 (at Cambridge).** Dinner at Trinity College with Professor Langley in the chair: there were also present thirty-three other members and ten guests. Amongst the latter are the names Elliott, Laidlaw, Fröhlich and Hill.

Elliott is probably T. R. Elliott (p. 131). Laidlaw is Dr P. P. Laidlaw (F.R.S. 1927), a member of the staff in Bacteriology at the Medical Research Council's Laboratories at Hampstead.

The death of Professor Marey, one of the Honorary Members, was reported. A vote of condolence with his relatives was moved by Sir John Burdon Sanderson and seconded by Professor W. Stirling and carried.

**July 29th, 1904 (at Oxford).** Dinner at Magdalen with Sir John Burdon Sanderson in the chair. There were present twenty members and twelve guests. Amongst the guests were Professor Johansson of Stockholm, Professor Wesley Mills of Montreal, Dr Dakin, Professor Weldon, F.R.S., and Dr H. S. Raper.

Professor W. F. R. Weldon was Linacre Professor of Comparative Anatomy in Oxford; previously at University College, London. He died in 1906.

The following new members were elected: Major R. H. Elliot, I.M.S., W. V. Shaw (Oxford), J. G. Priestley (Oxford), James Ritchie, D. P.
Dr W. V. Shaw, O.B.E., was Lecturer in Physiology in St John's College. He is now attached to the Ministry of Health.

Dr J. G. Priestley is Lecturer in Clinical Physiology in the University of Oxford.

Major Elliott, formerly Professor of Ophthalmology in Madras Medical College, is now Lecturer on Ophthalmology in the London School of Tropical Medicine. He was at the time home on leave from India, working at snake poison in the Departments of Physiology and Pharmacology of Edinburgh University.

Dr R. N. Salaman was Director of the Pathological Institute of the London Hospital.

Mr B. J. Collingwood is now Professor of Physiology in St Mary's Hospital Medical School.

Dr A. Harden (F.R.S. 1909) is now Professor of Biochemistry at the Lister Institute.

Dr T. R. Elliott, C.B.E., D.S.O. (F.R.S. 1913) is now Professor of Medicine at and Physician to University College Hospital.

Dr O. Rosenheim (F.R.S. 1927) is one of the biochemical workers at the Laboratories of the Medical Research Council at Hampstead. He was formerly at King's College, London.

Dr Keith Lucas (F.R.S. 1913) was one of the most brilliant of the younger Cambridge physiologists, distinguished for his knowledge of physics and its applications to the problems of Physiology. He was killed in the War in a flying accident, to the great loss of his country and of science and the regret of his friends and colleagues.

It was proposed by Dr J. S. Haldane, seconded by Professor Halli-burton, and carried unanimously "that this Society gives its hearty support to the recommendations of the Committee appointed by the Government to consider the Humane Slaughtering of Animals."

The Secretary was requested to forward copies of this resolution to The Times and to the Secretary of the Committee in question.

August 19th, 1904 (at Cambridge). An extra meeting was held at Cambridge during the meeting there of the British Association. At this meeting, besides other communications, papers were read by Professor...
A. Kossel of Heidelberg, Professor Nicloux (of Paris, now at Strasburg) and Professor W. B. Cannon of Harvard. There were thirty-four members and nineteen guests at the dinner, which was held in the Hall of Downing College, the Master, Dr Alexander Hill, being in the chair. The members present were: Myers, Copeman, Russell, Dixon, Brodie, Shore, Hopkins, Waller, Cole, Macdonald, Mann, Macallum, Fletcher, Elliott, Anderson, Head, Rivers, Gaskell, Schäfer, Sherrington, Hill, Barcroft, Cunningham, Grünbaum, Thompson, Hardy, Halliburton, Harden, Ewart, Eyre, Page May, Vernon, Schryver, Woodhead. The guests included Professors Johansson (Professor of Physiology in Stockholm), Sedgewick Minot (Professor of Embryology at Harvard), Atwater, Kossel (Professor of Physiology in Heidelberg), Nicloux (Paris), Camus (Paris), Körösy (Budapest), Cannon (Harvard) and Wesley Mills (Montreal).

January 21st, 1905 (at King's College). Dinner at the Hotel Cecil with Professor Halliburton in the chair. Twenty-four other members and four guests were present. This was the Annual General Meeting. The Secretaries' Report showed an ordinary membership of 234.

The Treasurer's Report showed a credit balance of £29. 18s. 1d., after £263. 13s. 6d. had been invested in the purchase of £300 Consols.

The following new members were elected: E. Frankland Armstrong (London), E. Barclay-Smith (Cambridge), W. Cramer (Edinburgh), H. D. Dakin, E. S. Edie, C. Ham, H. E. Roaf and W. B. Warrington.

Dr E. Frankland Armstrong (F.R.S. 1920), himself a distinguished chemist, is the son of Professor H. E. Armstrong, the eminent chemist, who became a Fellow of the Royal Society as long ago as 1876.

Dr E. Barclay-Smith is Professor of Anatomy in King's College, London.

Dr H. D. Dakin (F.R.S. 1917) was at that time working at the Lister Institute, but is now settled in New York.

Mr E. S. Edie was at the Biochemical Laboratory, Liverpool. He is now Professor at the University of Cape Town.

Dr C. E. Ham was Demonstrator of Chemical Physiology at the London Hospital Medical School.

Dr H. E. Roaf was Lecturer in Chemical Physiology in Liverpool University, and afterwards Lecturer on Physiology at St Mary's Hospital Medical School. He is now Professor of Physiology at the London Hospital Medical School, and is at present one of the Honorary Secretaries of the Society.
E. SHARPEY-SCHAFER

A resolution was passed amending the rule regarding the length of communications, which are in future not to occupy more than fifteen minutes.

May 20th, 1905 (at Cambridge). Dinner at St John's College with Professor Langley in the chair; there were forty-two other members and seven guests, the latter including Professor Cushny and Dr Barger.
Dr Henry Head brought before the Society certain proposals with regard to amalgamation with the Medical Societies of London. After an informal discussion the question was adjourned to the next meeting.

June 17th, 1905 (at the University of London). Dr Waller took the chair at the dinner: there were eleven other members and four guests.
It was resolved to refer the question of amalgamation with the Medical Societies of London to the Committee to consider and report.

July 1st, 1905 (at Oxford). Dinner at Magdalen College, Professor Gotch in the chair. There were twenty-nine other members present and five guests.
The question of dealing adequately with the increasing number of communications was discussed: it was left to the Committee to consider and report to the Society.
Six new members were elected at this meeting: E. Whitley, J. M. Hamill, W. A. Jolly, F. H. A. Marshall, Chalmers Watson and A. R. Cushny.

Dr W. A. Jolly was Assistant to the Professor of Physiology, Edinburgh. He is now Professor of Physiology in the University of Cape Town.
Dr F. H. A. Marshall (F.R.S. 1920) was working in the Physiology Laboratory of the University of Edinburgh. He is now Lecturer on Physiology as applied to Agriculture in the University of Cambridge.
Dr Chalmers Watson, an Edinburgh physician, was at this time working in the Physiology Department of the University.

Dr A. R. Cushny (F.R.S. 1907) was for some years Professor of Pharmacology in the University of Michigan, Ann Arbor, and subsequently in University College, London. In 1918 he was appointed to the chair of Materia Medica and Pharmacology in the University of Edinburgh, and held this appointment until his death in 1926.
November 11th, 1905 (at Guy's Hospital). Dr Pye-Smith in the chair. There were thirty members and five guests. The latter included Professor Koch and Dr Fr. Müller of Berlin.

December 16th, 1905 (at St Mary's). The death of Sir John Burdon Sanderson, one of the founders and original members of the Society, and a very frequent attendant at the meetings, was announced and, on the motion of the chairman, Dr Waller, the following resolution was adopted, the members present rising in their places: "The Physiological Society desires to express its deep sense of the loss it has suffered by the death of its oldest and most distinguished member John Burdon Sanderson, whose life-long devotion to science remains in the memory of every member of the Society as an incentive and an example. The Society offers to Lady Burdon Sanderson its heartfelt sympathy."

The letter of acknowledgment and thanks sent by Lady Sanderson in reply to this resolution is preserved in the Minute Book.

January 20th, 1906 (at King's College). At the Annual Meeting for 1906 held at the Hotel Cecil with Professor Halliburton in the chair, there were forty other members and two guests, Major Hall, D.S.O., and Dr Paul Haas.

The Secretaries, after referring to the loss the Society had sustained by the death of Sir John Burdon Sanderson, and also to the death of Dr Bullot, reported that fourteen new members had been elected during the past year and four members had resigned. There were now 240 members, exclusive of Honorary Members.

The Treasurer reported a credit balance of £35. 6s. 6d.

The Officers having been re-elected and the Committee elected, Mr G. P. Mudge (London Hospital) and Dr V. E. Henderson (Toronto) were admitted members of the Society. A committee, consisting of Professor Halliburton, Drs Hopkins, Aders Plimmer, Ramsden, Schryver and B. Moore, was appointed to consider and report on the nomenclature "of the bodies now known as Proteids," and was instructed to ask the Chemical Society to appoint a committee of its members to confer with those appointed by the Physiological Society.

March 24th, 1906 (at University College). Dinner at Pagani's Restaurant. Professor Starling was in the chair, and there were present twenty-five other members and five guests.

This was a Special General Meeting to consider certain proposed changes in the rules dealing with communications at the meetings. The
changes concerned the order and length of communications, and were agreed to.

The report on protein nomenclature was presented to the Society, but its adoption was deferred. It is preserved in the Minute Book. The main recommendation was the substitution of the term "protein" for "proteid": the former term being already in use in America and Germany. Many of the recommendations in the original report were subjected to considerable criticism, and a modified report, which is also preserved in the Minute Book, was adopted by the Society at its meeting in January 1907, and was ordered to be published in the *Journal of Physiology* amongst the Proceedings of the Society, where it may be consulted.

On March 21st, 1908, at a meeting at University College, London, the question of protein nomenclature was again raised in connexion with the recommendations of the American Physiological Society on the same subject, and it was agreed to ask the Committee to report to a further meeting regarding these recommendations. At the meeting at Cambridge in May of the same year (1908) the report was presented. This report gave reasons for dissenting from such of the recommendations of the American Physiological Society as differed from those of the Physiological Society.

*May 12th, 1906 (at Cambridge).* Dinner in St John's College. Professor Langley was in the chair: there were in addition thirty-five members and seven guests.

Professor Langley informed the Society of action taken by the Committee in appointing a special sub-committee for the purpose of conferring with other bodies so that evidence on behalf of experimental medicine might be appropriately brought before the proposed new Royal Commission on Vivisection. The meeting signified its approval, and also agreed that the funds of the Society might be used to defray necessary expenses.

*June 2nd, 1906 (at Edinburgh).* The scientific communications (twenty-six in number) were taken in the morning, commencing at 9.30. The afternoon was spent at North Berwick. After taking tea at Professor Schäfer's residence (Marly Knowe) the members travelled back to Edinburgh and held the dinner meeting in the evening at the North British Station Hotel, Professor Schäfer in the chair. There were present thirty-six members and thirty-one guests. Amongst the latter were the Principal, Sir William Turner, Professor McPhedran of Toronto, Professors
Cunningham (Anatomy), Greenfield (Pathology), Littlejohn (Forensic Medicine) and Ewart (Natural History), and Drs Pringle, Russell, Goodall, Lochhead, John Tait, A. N. Bruce, Beattie, Fleming, Shennan, Dickson, Mrs Chalmers Watson, Miss Sowton, Mrs Thompson, Miss Eaves and Miss Mitchell. Many of these afterwards joined the Society.

This appears to have been the first occasion on which ladies were present at a dinner of the Society.

June 30th, 1906 (at Oxford). The dinner was at Magdalen College, Professor Gotch in the chair. There were present twenty-five members and nine guests, amongst the latter Professor H. E. Armstrong (p. 132) and Professor Sir William Osler.

The thanks of the Society were voted to Dr Ludwig Mond for his gift of a large steel chamber to the Lister Institute for investigating the effects of rarefied and compressed gases.

Professor Starling reported that a Committee was dealing with the matter of bringing evidence before the proposed new Royal Commission on Vivisection. He invited the Society to hold a Special Meeting on September 29th at University College, London, to meet Professor I. P. Pavlov, who was visiting London to deliver the Huxley Memorial Lecture.

There is no record of a dinner on that occasion nor of any communication from Professor Pavlov, who was however present at the scientific meeting on that date.


Dr David Forsyth is Physician to Charing Cross Hospital.

Mr Major Greenwood was Demonstrator of Physiology at the London Hospital. He is now Professor of Epidemiology and Vital Statistics at the London School of Hygiene and Tropical Medicine.

Dr C. Gordon Douglas, C.M.G., M.C. (F.R.S. 1922), is a Fellow of St John's College, Oxford.

Dr L. Noon was working at the Pathological Laboratory, Cambridge, and was afterwards in charge of the Medical Inoculation Department of St Mary's Hospital. He died in 1913.

Dr John Tait was Assistant and Lecturer in the Physiology Department of Edinburgh University. He was appointed in 1919 to the Chair of Physiology in McGill University, Montreal.
January 26th, 1907 (at King's College). Annual General Meeting. The dinner was at the Hotel Cecil, Professor Halliburton in the chair. Neither the names nor the number of those present are recorded in the minutes. This seems now to be the regular practice.

The Secretaries' Report shows a membership (ordinary) of 241, with eight Honorary Members. The Treasurer's Report shows a credit balance of £93. 7s. 8d.

After the election of Officers and Committee, the following resignations were reported and accepted, "with much regret": Dr Walker Hall, Dr Hédon (Hedin), Mr Horder, Dr Klein (one of the original members) and Sir Thomas Stevenson.

Dr F. S. Scott¹ and Dr Chas Bolton were elected members.

Dr F. H. Scott is Professor of Physiology in the University of Minnesota, Minneapolis.

Dr Chas Bolton (F.R.S. 1918) is Physician to University College Hospital; formerly Lecturer in General Pathology in the Medical School.

Professor Starling presented the report of the Vivisection Committee (p. 136), and proposed that the Honorary Treasurer be empowered to hold a sum not exceeding £100 at the disposal of the Vivisection Committee. This was seconded by Dr Waller and carried.

It was proposed by Professor Halliburton and seconded by Dr Hopkins and carried that the Report of the Protein Nomenclature Committee be provisionally approved by the Society. An amendment to postpone approval until the opinion of the American Physiological Society upon the subject had been received was lost, and the Report was directed to be published in the Proceedings with a note that it had been provisionally approved. Dr Hopkins was requested to circulate the Report in English, French, German and Italian, with the view of bringing it up for consideration at the forthcoming International Physiological Congress.

This was an amended report (p. 135): it is inserted in the Minute Book, as is a letter from the Secretary of the American Physiological Society.

February 23rd, 1907 (at the Lister Institute). At this meeting the death of Sir Michael Foster was reported. On Professor Sherrington's proposal an expression of the deepest sympathy with Lady Foster was adopted.

Lady Foster's letter in reply is preserved in the Minute Book.

¹ Should be F. H. Scott.
March 23rd, 1907 (at University College). Professor Starling in the chair.

It was decided to send out notices regarding the forthcoming International Physiological Congress.

Mr Symes was asked to undertake the cataloguing of British physiological literature for the International Catalogue, in place of Dr Forsyth, resigned.

June 22nd, 1907 (at Oxford). Dinner in Magdalen College with Professor Gotch in the chair. The following were elected members of the Society: T. S. Hele (Cambridge), Alex. Goodall (Edinburgh), W. A. Aikin (London), P. Hartley, H. S. Raper, A. F. Herz (Guy's), W. J. Young, P. P. Laidlaw, J. Mellanby.

Dr T. S. Hele, O.B.E., is Fellow and Lecturer in Emmanuel College, Cambridge.
Dr A. Goodall is Lecturer on Physiology in the Extramural School, Edinburgh.
Dr P. Hartley is an Assistant at the Laboratories of the Medical Research Council, Hampstead. He was formerly at the Lister Institute.
Dr H. S. Raper was formerly Professor of Physiology and Biochemistry in Leeds University, and now occupies the same position in the Victoria University, Manchester.
Dr A. F. Herz (who has changed his name to Hurst) was Demonstrator of Physiology at Guy’s and is now Physician to Guy's Hospital.
Dr W. J. Young was at the Lister Institute and is now at the University of Melbourne.
Dr J. Mellanby is Professor of Physiology at St Thomas's Hospital Medical School, and is editor, for the Society, of Physiological Abstracts.

At the other meetings in 1907 only the titles of communications made at the scientific meetings are recorded: there was no private business and the names of members and guests are not given in the minutes.

January 25th, 1908 (at King's College). Annual General Meeting. Dinner at the Hotel Cecil, Professor Halliburton in the chair. The Secretaries' Report for 1907 makes special reference to the great loss the Society has suffered in the death of its "chief originator," Sir Michael Foster. The Report also refers to the death of Mr F. J. M. Page, a "member of many years' standing." A vote of condolence with his
relatives was adopted by the Society. The roll of ordinary members is 240 besides eight Honorary Members.

The Treasurer’s Report shows the satisfactory balance of £167. 4s. 3d. The Committee was empowered to utilise the invested funds of the Society in payment of lectures on the value of vivisectional methods. There is no evidence that advantage was taken of this permission.

It was agreed to continue the annual grant of ten pounds towards the expense of cataloguing British physiological literature for a further period of five years.

The following were elected members: W. H. Harvey, Harold Pringle, J. C. G. Ledingham, A. W. Sikes, P. Hamill, Fr. Müller, D. H. de Souza, Captain G. C. C. Damant, R.N.

Dr W. H. Harvey is an Assistant in the Pathological Laboratory at Cambridge.

Dr Harold Pringle was Assistant in the Physiology Department of the University of Edinburgh. He is now Professor of the Institutes of Medicine in Trinity College, Dublin.

Dr J. C. G. Ledingham, C.M.G. (F.R.S. 1921), is Professor of Bacteriology at the Lister Institute.

Dr P. Hamill is Lecturer on Pharmacology and Therapeutics in St Bartholomew’s Medical School.

Dr A. W. Sikes was a Lecturer on Physiology in King’s College.

Dr Franz Müller is Professor of Pharmacology in Berlin.

Dr D. H. de Souza was attached to the Physiological Department of University College. He is now Lecturer in Physiology at King’s College, London, and Physician to Westminster Hospital.

March 21st, 1908 (at University College). Professor Starling in the chair.

£100 was voted from the funds of the Society to the Treasurer of the Research Defence Society (for combating anti-vivisection).

This was made a Special Meeting in order to effect certain changes in the rules, dealing with the length both of communications and of speeches during discussions.

June 20th, 1908 (at Oxford). Dinner at Magdalen College, with Professor Gotch in the chair.

Mr W. M. Bayliss was appointed to represent the Society at the celebration of the fiftieth anniversary of the Oxford Museum.

The following new members were elected: A. Mavrogordato, J. H.

Mr J. H. Ryffel is Reader in Biochemistry at Guy's Hospital Medical School.

Dr A. G. Levy was Anaesthetist to Guy's Hospital and Pathologist to the London Temperance Hospital. He is Physician to the City of London Hospital for Diseases of the Chest.

Dr O. T. Williams was Assistant in the Biochemical Department of Liverpool University. He died in 1910.

Sir Kenneth Goadby, K.B.E., is Lecturer on Bacteriology to the London Dental Hospital, and Medical Referee to the Home Office.

Sir James Mackenzie (F.R.S. 1915) is the eminent authority on cardiac diseases, founder of the Mackenzie Institute at St Andrews. He died in 1925.

December 19th, 1908 (at Liverpool). The Society met for the first time at Liverpool on the invitation of Professor Sherrington. The dinner was at the University Club with Professor Sherrington in the chair. A letter from Dr R. Caton—one of the original members of the Society—was read expressing his regret at being unable personally to welcome the Society to Liverpool.

January 23rd, 1909 (at King's College). Annual General Meeting. Dinner at the Hotel Cecil, Professor Halliburton in the chair.

The Secretaries' Report shows a roll of 248 ordinary members.

The Treasurer's Report shows a credit balance of £185.

Dr J. B. Leathes was elected one of the Secretaries in place of Dr T. G. Brodie who was resigning on his appointment to the Chair of Physiology at Toronto\textsuperscript{2}, Mr W. M. Bayliss remaining as the other Secretary and Dr A. D. Waller as Treasurer.

Professor Hans Meyer and Professor I. P. Pavlov were elected Honorary Members.

An address of congratulation to Professor Hugo Kronecker on the celebration of his seventieth birthday was adopted, and he was also elected an Honorary Member.

\textsuperscript{1} Should be "K. W. Goadby."

\textsuperscript{2} A memento—subscribed for by individual members of the Society—was presented to Dr Brodie on this occasion. The names of the subscribers are preserved in the Minute Book. The amount subscribed was £97. 0s. 6d.
The following new members were elected: E. L. Kennaway, S. G. Scott (Oxford), C. Spearman, G. C. Mathison (Melbourne), T. Graham Brown, C. C. Lieb (New York), W. H. Hurtley (St Bartholomew's), Georges Dreyer.

Dr E. L. Kennaway was Demonstrator of Physiology at Guy's Hospital and afterwards Chemical Pathologist to the Bland Sutton Institute, Middlesex Hospital. He is now Chemical Pathologist to the Research Institute at the Cancer Hospital.

Dr C. Spearman is Grote Professor of Mind and Logic in University College.

Dr T. Graham Brown (F.R.S. 1927) is Professor of Physiology at Cardiff, where he succeeded Professor Haycraft. He is the son of Dr J. Graham Brown who had been a member since 1899.

Dr G. C. Mathison was killed at Gallipoli in 1915.

March 27th, 1909 (at University College). Dinner at the Great Central Hotel with Professor Starling in the chair. Professor Kronecker was present at the dinner and thanked the Society for their address and for electing him an Honorary Member.

May 15th, 1909 (at Cambridge). Dinner at Trinity College, Professor Langley in the chair. The deaths of Professor Arthur Gamgee, F.R.S., and of Professor Gerald Yeo, F.R.S., were reported and resolutions expressing the sympathy of the Society with Mrs Gamgee and Mrs Yeo were adopted.

The question of a presentation on behalf of the Society to Dr F. W. Pavy, one of the original members, on the occasion of his eightieth birthday was discussed and the Committee was instructed to consider the matter.

June 5th, 1909 (at Glasgow). A meeting of the Society was held here for the first time on the invitation of Professor Noël Paton. Dinner was in the University Union.

June 26th, 1909 (at Oxford). Dinner in the Junior Common Room of Magdalen College, Professor Gotch in the chair.

Dr Leathes having been compelled to give up his Secretaryship on his appointment to a chair at Toronto, Mr Barcroft was requested to act for him during the remainder of the session.

The presentation of an address and piece of plate to Dr Pavy was made by the Chairman on behalf of the Society "in commemoration of
his eightieth birthday and his prolonged devotion to physiological research.” Dr Pavy made a suitable acknowledgment.

The following were elected members of the Society: “J. Sholto Douglas (Birmingham), E. P. Poulton, Mario Camis, V. M. Mottram¹, F. O'B. Ellison, J. Foster Gaskell, G. Barger, E. Mellanby.”

Dr Sholto Douglas is now Professor of Pathology in the University of Sheffield.

Dr E. P. Poulton is now Physician to Guy's Hospital.

Dr Mario Camis is Professor of Physiology at Parma, Italy.

Dr V. H. Mottram is Professor of Physiology at King's College for Women, London.

Dr Ellison is Professor of Physiology in the Medical College, Colombo.

Dr G. Barger (F.R.S. 1919) was at that time working at the Wellcome Pharmacological Laboratory: transferring afterwards to the Medical Research Council's Laboratory. Since 1919 he has been Professor of Chemistry in relation to Medicine in the University of Edinburgh.

Dr E. Mellanby (F.R.S. 1925) is Professor of Pharmacology in the University of Sheffield.

October 23rd, 1909 (at St Mary's). Dinner at the Great Central Hotel with Dr Alcock in the chair.

The minutes contain the following: “Mr G. N. Knox, present as a guest, having explained the new system of the Standard newspaper with regard to the publication of information respecting higher scientific teaching and research it was referred to the Committee in consultation with Mr Knox to report on it as far as it affects the Physiological Society.” Nothing more seems to have come of this.

January 22nd, 1910 (at King's College). Annual General Meeting. Dinner at the Hotel Cecil, Professor Halliburton in the chair.

The name A. V. Hill appears for the first time in the Minute Book (as introduced by J. Barcroft).

Dr A. V. Hill, O.B.E. (F.R.S. 1918), successively Professor of Physiology in Manchester and in University College, London, is now a Royal Society Foulerton Professor, working at University College, London. Previous to his appointment to Manchester he was a Lecturer in Physiology and Physical Chemistry at Cambridge. He joined the Society in 1912. He received a Nobel Prize for Medicine in 1922.

¹ Should be "V. H. Mottram."
The deaths of Professor Engelmann, an Honorary Member, and of W. Page May, an ordinary member of the Society, were reported. A resolution of sympathy with Mrs May was proposed by the Chairman and adopted.

The Secretary reported that seven resignations had been received and sixteen new members had been elected during 1909, making the roll of the Society 253 ordinary and ten Honorary Members. Eight meetings had been held in the year.

The Treasurer's Report shows a credit balance of £162. 13s. 11d. Professor Emil Fischer (Berlin) was elected an Honorary Member.1 The following were elected Officers and Committee for 1910:

Hon. Treasurer, Dr Waller.
Hon. Secretaries, W. M. Bayliss and J. Barcroft.

The following were elected members: G. R. Mines, William Osler, Hugh Maclean, Frederick Ransom.

Dr G. R. Mines was at the time Demonstrator on Physiology at Cambridge and one of the most brilliant of the younger physiologists. He was subsequently appointed to the chair of Physiology at McGill University, Montreal, but only held it a short time. He died in 1914.

Sir William Osler was successively Professor of Physiology in McGill University, Montreal (1875–1884), Professor of Medicine in the University of Pennsylvania, Philadelphia (1884–1888), Professor of Medicine in the Johns Hopkins University, Baltimore (1888–1905), and Regius Professor of Medicine in the University of Oxford (in succession to Sir John Burdon Sanderson) from 1905 until his death. Osler was elected a Fellow of the Royal Society in 1898. He was created a baronet in 1911. He died on December 29th, 1919, at the age of 70. His Life, by Harvey Cushing of Boston, is a fascinating study, and shows, amongst other things, what an important influence a preliminary training in

1 His letter acknowledging the honour is referred to in the minutes of the meeting of March 19th, 1910, but it has not been preserved in the Minute Book.
Physiology may exercise over a career devoted to Pathology and Clinical Medicine. Similarly the *Life of Lord Lister*, by Rickman J. Godlee, and that of *Victor Horsley*, by Stephen Paget, show the advantage of such a training to a career devoted to Surgery.

Dr Hugh Maclean was at that time working in the Biochemical Laboratory of the University of Liverpool. He is now Professor of Medicine and Physician to St Thomas's Hospital.

Dr F. Ransom was Professor of Pharmacology at the London School of Medicine for Women.

*March 10th, 1910 (at University College).* Dinner at the Great Central Hotel, Professor Starling in the chair.

The Report of the Committee as to the *Proceedings* of the Society was received, but its adoption was deferred to a Special Meeting, since it necessitated a change in the rules.

*June 18th, 1910 (at Oxford).* Dinner was in the Hall of Pembroke College, Professor Gotch in the chair.

The following new members were elected: William Brown, Martin Flack, David A. Welsh, F. W. Edridge-Green, R. H. Clarke.

Dr William Brown is Wilde Reader in Mental Philosophy in the University of Oxford.

Dr Martin Flack was working with Professor Kronecker in Bern and later was associated with Dr Leonard Hill at the Department of Physiology of the London Hospital Medical School. He is now Director of Research in the Royal Air Force.

Dr Welsh was formerly Assistant to the Professor of Pathology (Professor Greenfield) in Edinburgh. He is now Professor of Pathology in Sydney.

Dr Edridge-Green, C.B.E., is Examiner and Adviser on Colour Vision to the Board of Trade.

*December 17th, 1910 (at Liverpool).* Dinner was in the University Club, with Professor Sherrington in the chair. The minutes record that "the Society was honoured by the presence of Professor Caton."

The death of Professor Angelo Mosso having been reported, the Secretaries were instructed to send a letter of condolence to Signora Mosso.

The congratulations of the Society were sent to Professor Kossel on the occasion of his receiving the Nobel Prize.
"The following members were present at the meeting: Messrs Roaf, Graham Brown, Boyce, Mines, Wakelin Barrett, A. S. Grünbaum, B. Moore, Bayliss, Aders Plimmer, H. G. Plimmer, Gotch, Barcroft, Paton, Cathcart, Schryver, Schäfer, Horsley, Alcock, Macdonald, and Lorrain Smith. And the following guests: Sir James Barr, M.D., Mr William Johnston (donor of the Johnston Laboratories), Professors Donnan, Baly, Elliott Smith, Herdman, Dr Warrington, Capt. Carter, Dr Dakin, Dr Owen, Mr Cyril Burt, Dr Yorke, Mr Arnold, Miss Sowton, Miss H. Chick, Mrs Roaf, Miss Hanley, Mrs A. S. Grünbaum, Professor Oskar Vogt and Mrs O. Vogt."

Professor F. G. Donnan, C.B.E., F.R.S., is now Professor of General Chemistry in University College, London.
Professor E. C. C. Baly, C.B.E., F.R.S., is Professor of Inorganic Chemistry in the University of Liverpool.
Professor Herdman, F.R.S., afterwards Sir William Herdman, was Professor of Natural History and afterwards of Oceanography in the University of Liverpool. He died in 1925.
Dr Owen is probably Dr John Owen, Physician to the Royal Infirmary, Liverpool.
Dr Yorke is probably Dr Warrington Yorke, Professor of Parasitology in Liverpool.
Miss Sowton was working with Professor Sherrington at Liverpool on the isolated mammalian heart; she afterwards joined Dr Waller at the University of London. She became a member in 1915.
Miss Harriet Chick is Assistant at the Lister Institute. She joined the Society in 1918.
Professor Oskar Vogt is Professor of Physiology in the Institut für Hirnforschung, Berlin.

January 21st, 1911 (at King's College). Annual General Meeting. The Secretaries' Report records the death during the past year of one of the Honorary Members, Professor Pflüger, and one of the most distinguished ordinary members, Dr Sydney Ringer.
The number of members is now 253; besides ten Honorary Members.
The Treasurer's Report shows a credit balance of £168. 11s. 3d.
The Officers and Committee were elected, and also three new members, namely, G. H. Clark, C. M. Hinds Howell, D. McCay.

Dr G. H. Clark is Research Assistant to the Professor of Materia Medica, Glasgow.

PH.
Dr C. M. Hinds Howell is Assistant Physician to St Bartholomew's Hospital and Physician for Outpatients to the National Hospital for the Paralysed and Epileptic.

Lt.-Col. D. McCay is Professor of Materia Medica and Clinical Medicine at the Medical College, Calcutta.

The Society agreed to contribute £20 a year for five years to assist the cataloguing of British physiological literature.

Certain regulations were adopted relative to the publications of papers in the Proceedings, and the consequent changes in the rules were agreed to.

June 3rd, 1911 (at Edinburgh). The scientific meeting was held in the morning in the Physiological Laboratory. After lunch the members travelled to North Berwick and spent the afternoon at Marly Knowe. The dinner meeting was at the Royal Hotel, North Berwick, with Professor Schäfer in the chair, thirty-two members and guests being present. Amongst the latter were Professor Einthoven of Leiden, introduced by the Chairman, and Dr Krause of Philadelphia and Dr Williams of New York, both introduced by Sir Victor Horsley.

July 1st, 1911 (at Oxford). Dinner at Magdalen College with Professor Gotch in the chair. The following were elected members of the Society: Drs Mackenzie Wallis, Judah L. Jona (Melbourne), E. Frankland Armstrong, F. W. Lamb, C. Lovatt Evans, Walter J. Dilling, and James A. Gunn.

Dr Mackenzie Wallis was Lecturer on Chemical Pathology at St Bartholomew's Hospital.

Dr F. W. Lamb is now Reader in Physiology in the University of Manchester.

Dr C. Lovatt Evans (F.R.S. 1925) is Jodrell Professor of Physiology in University College, London; he previously held a similar office at St Bartholomew's Medical College.

Dr W. J. Dilling is Lecturer on Pharmacology in the University of Liverpool.

Dr James A. Gunn is Professor of Pharmacology in the University of Oxford. At this time he was Assistant to the Professor of Materia Medica in Edinburgh.

July 22nd, 1911 (at the University of London). This meeting is memorable as the last occasion on which Dr Pavy made a communication to

1 The ladies of the party, including Mrs Einthoven, Mrs Williams, Lady Horsley, and Mrs Brodie, dined at Marly Knowe.
the Society. In conjunction with Mr W. Godden he showed the inhibitory influence of dilute sodium carbonate solution upon the post mortem production of sugar in the liver and upon the production of glycosuria by chloroform and nerve stimulation.

*October 21st, 1911 (at Guy's Hospital).* Dinner in the Students' Club, with Dr Pembrey in the chair. Since the last meeting in July, at which he made the above communication, Dr Pavy had died (at the age of 80). The Chairman proposed and Dr Haldane seconded a resolution expressing the regret of the Society, and desiring the Secretary to convey a message of condolence to his relatives.

*January 20th, 1912 (at King's College).* Annual General Meeting. Dinner at the Howard Hotel, Professor Halliburton in the chair.

The Secretaries reported the death during the year of several distinguished members, namely, Professor Sir Rubert Boyce, Dr Alexander Bruce, Dr Hughlings Jackson, Dr MacMunn and Dr Pavy. The number of members is now 266. Ten meetings were held during the year.

The Treasurer's Report showed a credit balance of £172. 9s. 8d.

The Officers and Committee having been appointed, the following new members were elected: W. Burridge, Yandell Henderson, A. V. Hill, J. A. Menzies, F. P. Knowlton.

Dr W. Burridge is Professor of Physiology in the University of Lucknow.

Dr Yandell Henderson is Professor of Applied Physiology in Yale University, New Haven, U.S.A.

Dr F. P. Knowlton is Professor of Physiology in Syracuse, N.Y., U.S.A.

A report was read from the standing committee on Education suggesting that the Board of Education should be approached, if possible by a deputation, in order to urge that biological subjects, and especially Physiology, should be continued to be recognised as essential for the teaching of Public Health and Psychology. The Board was apparently about to drop these subjects out of the curriculum. The report was adopted and Sir Victor Horsley and the Secretaries of the Society were added to the committee. Professor Brodie's name was deleted, since he was now in Canada and unable to attend the meetings.

*March 16th, 1912 (at University College).* Dinner at the Endsleigh Palace Hotel, Professor Starling in the chair.

It was proposed by Dr Waller and seconded by Sir Victor Horsley
that the Report of the Royal Commission on Vivisection be referred to the Committee for consideration and report. This was adopted.

_June 29th, 1912 (at Oxford)._ Dinner at Magdalen College, with Professor Gotch in the chair.

Professor Tigerstedt of Helsingfors was present as a guest.

Four new members were elected, namely, Drs H. J. Hutchens (Newcastle), V. W. Draper (King's College), N. Mutch (Guy's) and F. Cook (Guy's).

Dr H. J. Hutchens, D.S.O., is Professor of Comparative Pathology and Bacteriology in the University of Durham School of Medicine, Newcastle-on-Tyne.

Dr N. Mutch is Assistant Physician and Lecturer on Pharmacology in Guy's Hospital.

Mr Frank Cook, F.R.C.S., is Assistant Obstetric Surgeon to Guy's Hospital.

It was proposed by Dr Leonard Hill, seconded by Professor G. Thane, and carried "That the question of unification of physiological and anatomical nomenclature of the central nervous system be referred to a Committee for consideration and report." The personnel of this committee was left to the Committee of the Society for selection.

An address\(^1\) which it was proposed to send to the Medical School of Trinity College, Dublin, on the occasion of the two-hundredth anniversary of its foundation, was read to the Society, and was ordered to be signed by the Chairman and the Secretaries. One of the Secretaries, Mr J. Barcroft, was appointed to represent the Society at the celebration.

_July 27th, 1912._ This meeting was held at Liverpool on the invitation of Professors Sherrington and Benjamin Moore. No private business is recorded as having been transacted either at this meeting, or at the remaining meetings for 1912. Nor are the names of those present preserved.

_January 18th, 1913 (at King's College)._ Annual General Meeting. Dinner at the Howard Hotel, with Professor Halliburton in the chair.

The Secretaries' Report for 1912 records the death of "a very distinguished Honorary Member, Lord Lister." Also that "the Society's list is at present nine Honorary and 259 ordinary members, a net increase of four on the corresponding numbers of last year\(^2\)."

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1 The address, which is somewhat lengthy, is in the Minute Book.

2 But the report for the preceding year gives 266 as the number of members!
Four members had resigned and nine had been elected. Ten meetings were held in 1912.

The Treasurer's Report shows a credit balance of £169. 12s. 6d.

The Education Committee of the Society, having sent a memorandum to the Board of Education dealing with the position of Physiology in Education, subsequently formed a deputation to the Board. The memorandum is printed in the Supplement to the British Medical Journal of May 25th, 1912. The deputation consisted of Victor Horsley, Sherrington, Starling, Waller, Bayliss, Myers and Edkins, and was introduced by Dr C. Addison, M.P. It was received by the President of the Board of Education, the Rt. Hon. J. A. Pease, the Chief Medical Officer, Sir George Newman, the Parliamentary Secretary, Mr Charles Trevelyan, and other members of the Board, and the points raised in the memorandum were enforced by Sir Victor Horsley, Professor Sherrington, Dr Edkins and Dr Myers. The Board, however, declined to make any change, or to withdraw the circular complained of, and do not seem to have attempted to deal with the arguments of the above speakers, who urged the necessity for a training in Physiology for the understanding of Hygiene and Psychology.


Dr R. A. Krause was working in the Physiology Department of the University of Edinburgh. He is now the chief Medical Officer of the Fife Education Authority.

Dr August Krogh is Professor of Animal Physiology in the University of Copenhagen. He was awarded the Nobel Prize for Medicine in 1920.

Dr Casimir Funk was working at the Lister Institute. He is now at the State Epidemiological Institute, Warsaw.

Dr C. H. O'Donoghue was until recently Professor of Zoology at Winnipeg. He is now Lecturer on Zoology in Edinburgh University. He was at this time working at University College.

Dr A. J. Clark was at the time Assistant to Professor Cushny at University College. He afterwards was successively Professor of Pharmacology at Cape Town and at University College, London, and
he now holds the same office at the University of Edinburgh, where he succeeded the late Professor Cushny.

Dr H. Hartridge (F.R.S. 1926) was until lately Lecturer in Special Senses at Cambridge. He is now Professor of Physiology at St Bartholomew's Medical School.

Dr H. L. Tidy is Assistant Physician to St Thomas's Hospital.

Dr Wolf is Biochemist to Addenbrooke's Hospital, Cambridge.

At this meeting it was proposed by Dr Haldane and seconded by Dr Cathcart that "it is desirable that women should be regarded as eligible for membership of the Society." The following amendment was proposed by Dr Roaf and seconded by Professor Noël Paton: "that the Committee be instructed to circularise the members of the Society on the question." The amendment was lost, the original motion was carried, sixteen voting for and thirteen against.

March 15th, 1913 (at University College). Dinner at the Grafton Hotel, Professor Starling in the chair.

It was proposed by Professor Halliburton, seconded by Professor Waller, and carried "that the Society make a donation of ten guineas to the Lister Memorial Fund."

The Chairman proposed that there should be a meeting of the Society at the time of the International Medical Congress, and that the foreign members of the Physiology Section should be invited to dine with the Society. On the motion of Professor Halliburton, seconded by Professor Bayliss, it was agreed to refer the matter to the Committee to report to the Society.

No further mention of this occurs in the Minute Book, except a brief allusion to the dinner in the Secretaries' Report at the ensuing Annual Meeting. But from other evidence it appears that the special meeting took place on the afternoon of Friday, August 8th, 1913, in the Institute of Physiology, University College. At this meeting demonstrations were given by Schäfer, Starling and others. The dinner referred to was also held, the same evening, at Pagani's Restaurant, Professor Schäfer in the chair. Most of the foreign physiologists who attended the Congress were present as guests.

The river excursion, to which allusion has already been made (p. 76), took place on the following Sunday, August 10th.

June 28th, 1913. Another meeting was held at this date at University College (instead of the usual Oxford meeting which could not be held

1 Nevertheless the members were eventually circularised on the question (pp. 151, 152).
owing to the lamented death of Professor Gotch). Dinner was at the Grafton Hotel, Professor Starling in the chair. The following were elected members of the Society: F. R. Miller, Ff. Roberts, Douglas Cow, S. W. Patterson (London), George Graham (London), G. V. Anrep.

Dr F. R. Miller was at McGill University, Montreal. He is now Professor at the University of Western Ontario, London, Ontario.

Dr Ffrangcon Roberts was a Fellow of Clare College, and became Demonstrator in Physiology at Cambridge. He is now Radiologist to Addenbrooke's Hospital.

Dr Douglas Cow was Assistant to Professor W. E. Dixon, Pharmacological Laboratory, Cambridge. He died in 1921.

Dr George Graham is First Assistant in the Medical Clinic at St Bartholomew's Hospital.

Dr Anrep of St Petersburg was working in the Physiological Institute of University College, where he subsequently became Assistant and Reader in Physiology. He is now a Lecturer on Physiology at Cambridge.

October 18th, 1913 (at Guy's Hospital). Dinner in the Students' Club, with Dr Pembrey in the chair.

A vote of sympathy with the family of the late Professor Gotch was proposed by Professor Bayliss, seconded by Dr Pembrey, and carried.

January 24th, 1914 (at King's College). Annual Meeting. Dinner was at the Howard Hotel, Professor Halliburton in the chair.

The Report of the Secretaries for 1913 alludes to the death of two valued members, Professor Alcock and Professor Gotch. Sixteen new members had joined the Society and the number is now 272.

The Treasurer's Report showed a credit balance of £158. 8s. 3d. It was decided to invest £100 of this in Consols.

The Officers and Committee were elected, but, for the first time at an Annual Meeting, no new members were added to the Society.

The Report of the Committee on Nomenclature of the Central Nervous System was presented and adopted. The first item is as follows: “The time has not yet arrived for a general settlement of nomenclature.” Certain suggestions are made in the report, but they are of no great significance and, it may be added, have not found favour with physiologists.

It was proposed by Professor Langley, on behalf of the Committee of the Society, and seconded by Dr J. S. Haldane, “that as a preliminary
to the consideration of the question of the admission of women to the Society it is desirable to ascertain the opinion of the members on the question.” This was seconded by Dr Haldane and carried with two dissentients. Professor Starling moved “that the terms of the referendum be drawn up by the Committee.” This was seconded and carried.

May 16th, 1914 (at Sheffield). This was the first time the Society had met in Sheffield. Dr J. S. Macdonald was Professor of Physiology there at this time, but on Professor Sherrington’s appointment to Oxford, he succeeded him at Liverpool, and his place at Sheffield was in turn taken by Professor J. B. Leathes.

June 27th, 1914 (at Oxford). Dinner in the Junior Common Room of Magdalen College, Professor Sherrington in the chair.

The following were elected members of the Society: R. A. Peters (Cambridge), J. W. C. Gunn (Edinburgh), V. Moorhouse, Joseph Merkwalder (Switzerland) and W. G. Lloyd (Leeds).

Dr R. A. Peters, O.B.E., M.C., with bar, is now Professor of Biochemistry in Oxford.

Dr J. W. C. Gunn is Professor of Pharmacology in Cape Town University.

Dr V. H. K. Moorhouse, at that time at University College, is now Professor of Physiology at Winnipeg.

Dr W. G. Lloyd was a Demonstrator of Physiology in the University of Liverpool. He was afterwards at Leeds. He died in 1925.

The result of a postcard poll with regard to the admission of women to the membership of the Society was announced as follows:

For admission on the same terms as men ... ... ... 94
As associate members to pay reduced subscription and not to attend dinners ... ... ... ... 36
For no change in the present condition ... ... ... ... 31

Professor C. J. Martin proposed and Professor Leathes seconded “that the Committee draw up the necessary alterations in the Rules to be proposed at the Annual General Meeting in January 1915.” This was carried.

The death of Professor Hugo Kronecker of Bern, one of the Honorary Members of the Society, and the host of the International Physiological Congress of 1895, having been reported, Dr W. H. Gaskell proposed that an expression of sympathy be sent to his widow on behalf of the Society. This was carried.
January 23rd, 1915 (at University College). Annual General Meeting. Dinner at Pagani’s Restaurant, Professor Starling in the chair.

The Officers and Committee were elected and also the following new members: Henry C. Bazett (Oxford), Gordon Holmes (London), H. H. Moshier (Alberta), J. A. Murray (London).

Mr H. C. Bazett is now Professor of Physiology in the University of Pennsylvania, Philadelphia.

Dr Gordon M. Holmes, C.M.G., C.B.E., is Physician to the Royal London Ophthalmic Hospital and Assistant Physician to Charing Cross Hospital.

Dr H. H. Moshier was Professor of Physiology in the University of Alberta, Canada.

Dr James Alexander Murray (F.R.S. 1925) is Director of the Imperial Cancer Research Fund.

The Secretaries’ Report for 1914 mentions the deaths of Dr. W. H. Gaskell and Professor Mines, ordinary members, and of Professor Kronecker and Professor Hermann, Honorary Members, and gives the number of ordinary members as 258, compared with 272 at the end of the previous year.

The Treasurer’s Report shows a balance of £71. 9s. 3d.

The meeting passed votes of sympathy with the families of Dr Gaskell and Professor Mines.

The following addition to the rules was carried “by a majority”:

“Rule 36. Women shall be eligible for membership of the Society, and have the same rights, duties and privileges as men.”

A special committee was appointed to consider the question of support to the International Catalogue, and the general question of the publication in English of reports on the progress of Physiology. The following members formed this committee: H. K. Anderson, C. S. Sherrington, W. Osler, C. J. Martin, W. L. Symes, A. D. Waller, E. H. Starling, A. R. Cushny, W. D. Halliburton, W. B. Hardy, J. Barcroft, W. M. Bayliss, J. N. Langley, E. A. Schäfer, W. M. Fletcher.

March 13th, 1915 (at King’s College). Dinner in the Howard Hotel, Professor Halliburton in the chair.

A greeting from the Federation of American Societies for Experimental Biology (which was apparently sent to all the combatant nations) was read and a suitable reply returned. Both the message and the reply are entered in the Minute Book.
A report, proposed by the special committee on Physiological Publications, relating to the International Catalogue of Scientific Papers, was read. The report states that the committee does not find that the International Catalogue has been largely used by physiologists and that the members are not agreed as to the desirability of continuing it in its present form; some members advocate separate catalogues for the different subjects at present included in the General Catalogue. The Society directed the report to be sent to the Royal Society.

An application for a contribution towards the expenses of publishing the Annual Tables of Constants was referred to the Committee.

May 15th, 1915 (at Cambridge). Dinner in St John's College, Professor Langley in the chair.

It was proposed and carried that a sum not exceeding £25 be voted to meet the expense of sending out circulars with regard to the proposed publication of abstracts of Physiological Papers. This was the beginning of the scheme for publication of Physiological Abstracts, which apparently arose out of the above suggestion, and has proved so useful to English-speaking physiologists.

July 3rd, 1915 (at Oxford). Dinner in Magdalen College, Professor Sherrington in the chair.

The following were elected ordinary members: Florence Buchanan (Oxford), Ruth F. Skelton, Winifred C. Cullis (London), Enid M. Tribe (London School of Medicine for Women), Constance Leetham Terry, S. C. M. Sowton, George Winfield (Cambridge), W. R. Thacker1 (Cambridge).

Six of the new members are women, who were not long in taking advantage of the alteration in the rules made in January.

Miss Winifred Cullis is now Professor of Physiology in the London School of Medicine for Women.

Miss Tribe (now Mrs Oppenheimer of New York) was Demonstrator of Physiology at the London School of Medicine for Women.

Amongst the scientific communications made at this meeting are two on the action of the poison-gases used in the War (see p. 157).

January 22nd, 1916 (at King's College). Annual General Meeting. Dinner at the Howard Hotel, Professor Halliburton in the chair.

The Secretaries' Report for 1915 shows the roll of ordinary members to stand at 260: and that one Honorary Member, Professor Ehrlich, had

1 Perhaps Dr C. R. A. Thacker.
died during the year. Also that a new departure had been decided on in the publication of *Physiological Abstracts*.

The Treasurer's Report shows a credit balance of £96. 16s. 2d.

After election of the Officers and Committee the following new members were elected: Leslie A. T. Maxwell (Melbourne), Yas Kuno (Mukden), Lilias Charlotte Jackson (Melbourne).

At the Oxford meeting on July 15th, 1916, J. W. Trevan (St Bartholomew's) was also elected.

Mr J. W. Trevan is Pharmacologist in the Wellcome Pharmacological Research Laboratory.

Professors Halliburton and Bayliss were nominated to represent the Society on the Conjoint Board of Scientific Studies convened by the Royal Society.

*January 27th, 1917 (at King's College).* Annual General Meeting. Dinner at the Howard Hotel, Professor Halliburton in the chair.

The Secretaries report that the roll of the Society at the end of 1916 was 255, and that "the Society has suffered heavily by death, having lost three of its most distinguished ordinary members, Professor Brodie, Sir Victor Horsley and Dr Keith Lucas, and one Honorary Member, Professor Chauveau."

Votes of sympathy were passed and directed to be sent to the families of the deceased members.

The Treasurer's Report shows a credit balance of £168. 13s. 4d. It was decided to convert the capital invested in 4⅝ % War Bonds into 5 % War Loan.

The Officers and Committee having been elected, the following new members were elected: E. D. Adrian (Cambridge), J. C. Drummond (London).

Dr Adrian (F.R.S. 1923) is now one of the Secretaries of the Society, and editor of the *Proceedings*. He is a Fellow of Trinity College, Cambridge, and University Lecturer in Physiology.

Dr J. C. Drummond was at the Cancer Research Institute; he is now Professor of Biochemistry at the Institute of Physiology, University College.

It was decided to ask the Royal Society to give a grant of £100 towards the expenses of publishing *Physiological Abstracts*: that abstractors should be paid at the rate of 2s. 6d. a page, that the editor should receive

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1 Sir Victor Horsley died of sunstroke in Mesopotamia. Dr Keith Lucas was killed flying whilst carrying out experiments on behalf of the War Office.
the sum of £20 in recognition of his services, and that a payment of £5. 5s. should be made for preparation of the index.

January 26th, 1918 (at King’s College). Annual General Meeting. Dinner in the Howard Hotel, Norfolk Street, Professor Halliburton in the chair.

The Secretaries’ Report for 1917 alludes to the deaths of Sir Armand Ruffer, Dr Sydney Rowland² and Mr V. W. Draper. The number of ordinary members was 251. Only five meetings were held during the year, those outside London having been given up, owing to difficulties of travelling, caused by the War.

The Treasurer’s Report shows a credit balance of £226. 10s. 1d.

After the election of the Committee and Officers, the following new members were elected: Harriette Chick, Egerton Grey (Guy’s), Elizabeth C. Eaves (Sheffield), Geoffrey Marshall (Guy’s).

Dr Egerton Grey is Professor of Biochemistry in the Medical School of Cairo University.

Miss Eaves is Lecturer in Physiology in the University of Sheffield.

Dr Geoffrey Marshall, O.B.E., is Assistant Physician at Guy’s Hospital: previously demonstrator of Physiology.

Three Honorary Members were elected, namely, Professor W. H. Howell (Baltimore), Professor L. Luciani (Rome), and Professor Ch. Richet (Paris)³.

The Secretary was instructed to add the date of election after the names of all the Honorary Members in the Year Book.

It was moved and seconded that the names of ordinary members of enemy nations be omitted from the list of members during the war. Eight voted for and eight against the motion: the Chairman accordingly gave his casting vote in favour of the status quo. It was also moved and resolved that the state of the Society’s finances did not warrant a contribution towards the expenses of the Board of Scientific Studies⁴.

¹ This was renewed annually.
² Dr Sydney D. Rowland died in France in 1917 of cerebrospinal meningitis whilst serving as Major in the R.A.M.C. He was a Cambridge graduate and worked at first under Michael Foster, and afterwards in London, chiefly on enzyme action. In 1905 he went to India with the Plague Commission under Dr C. J. Martin.
³ The letters acknowledging the honour are pasted into the Minute Book.
⁴ In view of the large credit balance (see Treasurer’s Report) it is difficult to follow the reasoning of this resolution, especially as the Board was doing useful war work and the Society was represented upon it by Professors Halliburton and Bayliss. At the next Annual General Meeting the Society agreed to subscribe towards the expenses of the Board.
E. SHARPEY-SCHAVER

A letter was read from the Board of Scientific Studies calling attention to the possibility of publication in the Society’s Proceedings of matter useful to the enemy.

June 29th, 1918 (at University of London). The following new members were elected: J. Argyll Campbell (Singapore), Evelyn Hewer (London), John Boyd Orr (Aberdeen), R. H. A. Plimmer, Chas. H. Kellaway (Lister Institute).

Dr Argyll Campbell was Professor of Physiology at the Medical College of Singapore. He is now Assistant to Professor Leonard Hill, and working at the Laboratories of the Medical Research Council at Hampstead.

Miss Evelyn Hewer is Lecturer on Histology at the London School of Medicine for Women.

Dr John Boyd Orr, D.S.O., M.C., is Director of the Rowett Institute for Animal Research, Aberdeen.

Dr Kellaway is now Director of the Hall Institute for Research, Melbourne.

November 16th, 1918 (London Hospital). This was a joint meeting with the Biochemical Society. A discussion (opened by Professors Cathcart and Hopkins) took place “On the validity of the Isodynamic Law in Nutrition on the Interavailability of Fat and Carbohydrate.”

January 25th, 1919 (at King’s College). Annual General Meeting. Dinner at Simpson’s Restaurant, Strand, Professor Halliburton in the chair.

The Secretaries’ Report gives the roll of ordinary members as 257, and records the death during the year of four members, namely, Dr F. E. Batten, Dr J. Mitchell Clarke, Dr S. G. Scott, and Sir W. H. Thompson (p. 108). It also observes that, considering the difficulties of the time, the communications made at the five meetings may be regarded as satisfactory, many of these arising from investigations in connexion with war problems.

The Treasurer’s Report shows a credit balance of £278. 11s. 2d. This includes a grant of £150 from the Royal Society to aid in meeting the expense of Physiological Abstracts (£183. 1s. 0d.). The Treasurer mentioned that many subscriptions were still owing, the debt amounting altogether to about £400. It was resolved that a letter be sent to each member in default.
After the election of Committee and Officers, the following new members were elected: R. K. S. Lim, J. C. Meakins, C. Da Fano.

Dr R. K. S. Lim was Assistant to the Professor of Physiology, Edinburgh; he is now Professor of Physiology in the Union Medical College, Pekin.

Dr J. C. Meakins was Professor of Therapeutics in the University of Edinburgh. He is now Professor of Medicine in McGill University, Montreal.

Dr C. Da Fano was Lecturer on Histology in King's College, London. He died in March, 1927.

The Society agreed to subscribe £2. 2s. to the Board of Scientific Studies. It was determined to raise the price of Physiological Abstracts to £1. 10s. The Society also accepted an invitation from Professor Sir Edward Sharpey-Schafer to meet in Edinburgh at Whitsuntide.

Professor Starling stated that it had been suggested by certain French physiologists that as the institution of the International Physiological Congresses emanated from the Physiological Society, it would be appropriate that the first meeting after the War should be in this country, and that invitations should be sent to prominent physiologists (including histologists) in allied and neutral nations to come to such a congress in the ensuing summer. Professor Starling also informed the Society, with regard to the relationship of the International Research Council to the arrangements of future congresses—presumably referring to the nationality question—that the Council did not concern itself with these arrangements, but left them to the people interested. It was decided to refer the subject of a congress being held in Great Britain this summer to the Committee, which should report upon it after Professor Starling had obtained more definite information from his French colleagues.

At the meeting on March 22nd at University College Professor Starling informed the Society that he had now heard from Professor Gley that the French physiologists had decided to hold an Interallied Congress in Paris in 1920.

June 7th, 1919 (Edinburgh). The Society met on Saturday (June 7th) in the Physiology Laboratory, and the members dined, along with members of the Pathological Club, at the Caledonian Hotel, Professor Sir E. Sharpey-Schafer in the chair. Congratulations were offered to Dr Harold Pringle who had been appointed to the Chair of Physiology in Trinity College, Dublin, in succession to Sir W. H. Thompson, and to Dr John Tait, appointed to McGill University, Montreal, in
succession to Professor Mines. Many of the members stayed in Edinburgh over the following Monday (Whit-Monday), the afternoon of which was spent at North Berwick.

July 12th, 1919 (at Oxford). Dinner at Magdalen College, Professor Sherrington in the chair.

There were no candidates for election.

Professor Halliburton informed the Society that the American Society of Biological Chemists had voted 125 dollars as a contribution towards the expenses of Physiological Abstracts, and that the American Physiological Society had also agreed to give financial support to this publication. The Secretary was instructed to convey the thanks of the Physiological Society to the two American Societies.

October 18th, 1919 (at Guy's Hospital). Dinner in the Students' Club, Dr Pembrey in the chair.

A communication having been received from Professor Arrhenius with reference to the state of poverty in which Professor Pavlov was situated in Petrograd, a sum of £20 was promised by members for transmission, if possible, to him.

January 31st, 1920 (at King's College). Annual General Meeting. Dinner in the Senior Common Room, Professor Halliburton in the chair.

The Secretaries' Report gives the number of new members during 1919 as eleven, and the number resigned as six, the total number being now 251. The deaths are mentioned of Sir William Osler and of Sir Thomas Fraser, ordinary members, and of Professors Emil Fischer, Ewald Hering and Luigi Luciani, Honorary Members. Ten meetings were held during 1919.

The Treasurer's Report shows a credit balance of £279. 12s. 0d., which is partly accounted for by the donations for Physiological Abstracts from the Royal Society (£150), the American Society of Biological Chemists (£29. 5s 10d.), and the American Physiological Society (£25. 13s. 4d.).

The Secretary was instructed to remove from the list of members those names whose addresses have been inaccessible for some years. The Committee\textsuperscript{1} and Officers were elected, Professor J. Mellanby becoming one of the Secretaries in place of Mr J. Barcroft, resigned. The following new members were elected: J. B. Collip (Alberta), J. A. Hewitt (St Andrews), H. L. Pierce (New York), H. W. Davies (Oxford), J. Shaw Dunn (Birmingham), Dorothy Jordan-Lloyd (Cambridge),

\textsuperscript{1} The list of Committee includes the name of Miss Winifred Cullis, the first time a woman had been a member of Committee.
Sir Cuthbert Wallace (London), J. Barry (Cork), F. A. Duffield (Liverpool), J. Joffe (Guy's), David Burns (Glasgow), I. de Burgh Daly (University College), May L. Walker (Edinburgh).

Dr J. B. Collip is Professor of Biochemistry in Alberta University.

Mr J. A. Hewitt was Assistant to the Professor of Physiology at St Andrews. He now holds a similar position in King's College, London.

Dr H. W. Davies is now Lecturer on Biochemistry in the Department of Physiology in Leeds University. He was previously Assistant in the Biochemical Laboratory of the Royal Infirmary, Edinburgh.

Dr J. Shaw Dunn is Professor of Pathology at the University of Manchester.

Sir Cuthbert Wallace, K.C.M.G., C.B., is Professor of Surgery and Surgeon to St Thomas's Hospital.

Dr J. Barry is Professor of Physiology at Cork.

Dr F. A. Duffield is Lecturer in the Physiology Department of Liverpool University.

Dr David Burns is Professor of Physiology at Newcastle-on-Tyne.

Dr I. de B. Daly was Lecturer in the Institute of Physiology, Cardiff. He is now Professor of Physiology in the University of Birmingham.

Miss May L. Walker is Lecturer on Histology in the Physiology Department of Edinburgh University.

Questions relating to the Federation of Medical Societies, the cost of Physiological Abstracts, the arrangement of communications at the scientific meetings, the Physiology Section of the British Association, the supply of dyes and other chemicals were discussed and variously dealt with.

July 10th, 1920 (at the London School of Medicine for Women). Dinner in the Students' Club, Professor Winifred Cullis in the chair.


Miss Florence Durham is a worker at the National Institute for Medical Research.

¹ A re-election.
Dr B. A. McSwiney is now Professor of Physiology in Leeds.
Dr S. A. Kinnear Wilson is attached to King's College Hospital, and to the National Hospital for the Paralysed and Epileptic, Queen Square.

Dr H. C. Broadhurst was a Beit Research Fellow and Demonstrator of Physiology at Sheffield.
Mr J. B. S. Haldane, son of Dr John Scott Haldane, F.R.S., one of the senior members of the Society, is Sir William Dunn Reader in Biochemistry at Cambridge.

Dr W. E. Gye is on the Staff of the Department of Experimental Pathology in the National Institute for Medical Research, Hampstead.

Dr H. B. Hickman is Lecturer on Physiology in Bristol University.

A vote of sympathy with Professor Starling in his illness was passed, with wishes for his prompt recovery.

November 20th, 1920 (at St Bartholomew's). This was a Special General Meeting called to effect certain alterations in the rules. By these changes, which were carried, the subscription was raised from one and a half guineas to two guineas, thirty shillings of which was to be a subscription to the Journal of Physiology: the order and duration of communications was regulated; a time limit of fifteen minutes was set for the discussion of a communication, with five minutes extra for the reply of the author; and notices of meetings were to be sent at least twenty-one days, and the programme of communications at least seven days, before the meeting.

The congratulations of the Society were sent to Professor Sherrington on the honour to Physiology and to its gifted exponent by his nomination to the Presidentship of the Royal Society; it was suggested that some form of celebration of the occasion should be arranged.

The congratulations of the Society were also sent to Professor August Krogh of Copenhagen, the Nobel Prizeman for 1920, a member of the Society.

1 Professor Starling had recently undergone a serious operation and for some time it was thought by his medical attendants that he could not pull through. But eventually he made a complete recovery and again took a prominent part in the affairs of the Society.

2 As already related (p. 81) the celebration took the form of a dinner to Sherrington at the Café Royal on March 11th, 1921, the writer being in the chair.
January 22nd, 1921 (at King’s College). Annual General Meeting.
Dinner in the College, Professor Halliburton in the chair.

The Reports of the Hon. Treasurer and Secretaries were received and adopted.

The Secretaries’ Report shows the number of members as 261: twenty-four new members having been elected and eleven having resigned. The death of one member, Sir Thomas Anderson Stuart, was mentioned.

The Treasurer’s Report shows a credit balance of £187. 3s. 11d.

After election of the Committee and Officers the following candidates were admitted members of the Society: Muriel Bond (London School of Medicine for Women), J. M. H. Campbell (London), W. A. M. Smart (London Hospital), I. Feldman (London), J. H. Burn (London), Ruth Balfour (London School of Medicine for Women), A. D. Ritchie (Manchester), C. G. Imrie (Sheffield), G. A. Clark (Newcastle-on-Tyne), G. P. Crowden (London), T. H. Burlend (Cardiff), R. J. S. McDowall (Edinburgh), F. R. Fraser (St Bartholomew’s), S. W. F. Underhill (St Bartholomew’s), W. W. Waller (Liverpool), R. D. Passey (Guy’s).

Dr J. M. H. Campbell was Demonstrator of Physiology in Guy’s Hospital Medical School. He is now Assistant Physician to Guy’s Hospital.

Mr W. A. M. Smart was Lecturer in Physics and Demonstrator of Physiology and is now Lecturer on Pharmacology in the London Hospital.

Mr J. H. Burn is Director of the Laboratory of the Pharmacological Society.

Dr C. G. Imrie is a Lecturer in Physiology in the University of Sheffield.

Dr G. A. Clark is Lecturer in Clinical Physiology at Newcastle-on-Tyne.

Mr T. H. Burlend is Lecturer on Histology and Embryology in the Physiological Department of the School of Medicine, Cardiff.

Mr R. J. S. McDowall was Assistant in the Department of Physiology in Edinburgh; he afterwards transferred to Leeds. He is now Professor of Physiology in King’s College, London, in succession to Professor Halliburton.

Dr F. R. Fraser is Professor of Medicine at St Bartholomew’s Hospital and Director of the Medical Clinic.

Mr S. W. F. Underhill was Senior Demonstrator of Physiology at St Bartholomew’s Hospital Medical College. He now holds an
appointment in the Physiological Laboratory of "British Drug Houses."

Mr William Walls Waller, son of Augustus Désiré Waller and grandson of Augustus Waller, the discoverer of Wallerian degeneration, is Demonstrator of Physiology in Liverpool.

Dr R. D. Passey, M.C., was Senior Demonstrator of Pathology in Guy's Hospital Medical School. He is now Professor of Experimental Pathology and Director of Cancer Research in the University of Leeds.

A provisional list of twelve places of meeting for 1921 was announced. One meeting was to be at Aberdeen and one at Edinburgh, but neither seems to have been held.

A resolution was adopted deprecating the closure of the Physiological Laboratory of the University of London at South Kensington as liable to cause grave injury to the advancement of the science and teaching of Physiology and contrary to the public interest.

This resolution was forwarded to the Academic Registrar of the University and to the London County Council which had subsidised the undertaking, but it failed to prevent the threatened closure of the Laboratory being carried out. Before the closure had taken place Dr Waller, who had been from the first the Director of the Laboratory, had died (p. 166).

Letters from Professor Arrhenius and Mr Maxim Gorki were read showing that the fund subscribed for Professor Pavlov had been conveyed to him, and that he was able to do a certain amount of work although suffering from insufficiency of food.

March 12th, 1921 (at University College). Dinner at the Grafton Hotel, Professor Starling in the chair.

The Chairman reported that the Committee had decided to abolish temporarily the publication of the Proceedings and to increase the subscription price of Physiological Abstracts to two guineas, this being necessary on account of the great increase in cost of production. The action of the Committee was approved.

July 9th, 1921 (at Oxford). Dinner in Christ Church, Professor Sherrington in the chair.

The following candidates were admitted to the Society: Charles Walker (Liverpool), R. K. Cameron (University College), H. G. Earle
HISTORY OF THE PHYSIOLOGICAL SOCIETY


Dr C. E. Walker is Professor of Cytology and Lecturer on Histology in the University of Liverpool.

Dr H. G. Earle is Professor of Physiology in Hong Kong University.

Dr E. W. H. Cruickshank was Professor of Physiology in the Union Medical College, Peking. He is now at Patna.

Dr V. H. K. Moorhouse was elected a member in 1914 (p. 152). This is therefore a re-election.

Mr W. E. L. Brown of Trinity College, Cambridge, was at this time working with Professor A. V. Hill in Manchester. He is now in Cambridge.

Dr E. C. Dodds is Professor of Biochemistry and Chemical Pathology in Middlesex Hospital Medical School.

Dr J. S. B. Stopford (F.R.S. 1927) is Professor of Anatomy in Victoria University, Manchester.

Dr Ardrey W. Downs is Professor of Physiology in the University of Alberta, Edmonton.

Dr H. W. C. Vines is a Fellow of Christ's College, Cambridge, and was Foulerton Research Student of the Royal Society.

Dr E. Overton is Professor of Physiology in the University of Lund, Sweden.

Lt.-Col. R. McCarrison, C.I.E., is Director of the Pasteur Institute of Southern India.

Dr F. M. R. Walshe is Neurologist to the Medical Unit, University College Hospital, and Physician to the National Hospital for the Paralysed and Epileptic, Queen Square.

Miss G. de Decker was Professor Waller's Assistant in the University of London Laboratory of Physiology.

Dr C. G. Lambie was Assistant to the Professor of Pharmacology, Edinburgh.

Dr J. M. Watt is Professor of Pharmacology in the University of Witwatersrand.
A vote of sympathy with Mrs and Miss Menzies on the death of Professor Menzies was passed.

**November 19th, 1921 (at St Thomas' Hospital).** This was a Special General Meeting to consider proposed changes in the rules. Professor Langley was in the chair. The principal changes recommended by the Committee provided for the payment of the cost of the *Proceedings* by the author of each communication, the payment being at the rate of £1 per page in addition to the cost of blocks, and that the provision of abstracts for the use of members at the meetings should not be continued. These alterations were agreed to.

The Special Meeting was followed by an ordinary meeting at which Professor J. Mellanby took the chair.

A vote of sympathy with Mrs Bainbridge on the regretted death of her husband was adopted.

**January 21st, 1922 (at King's College).** Annual General Meeting. Dinner at the College, Professor Halliburton in the chair.

The Secretaries' Report for the year 1921 shows thirty-nine new members elected, while eight have been lost by death or resignation. The roll now stands at 293.

The deaths of Professor Menzies, Professor Bainbridge, Professor Sir G. Sims Woodhead, and Dr Gustav Mann are recorded. Allusion is made to the congratulatory dinner to Sir Charles Sherrington (p. 161) which was held in March.

The Treasurer's Report shows a credit balance of £425. 12s. 10d., but it has been increased by the sale of Stock (£246. 9s. 10d.) as well as by the donations from the Royal Society and the American Societies of Biological Chemists and of Physiology.

It was decided that copies of the Balance Sheet should be distributed in future before the Annual General Meeting.

The Secretary announced that arrangements had been made with Messrs Lewis to print the List of Members free of expense on consideration of the insertion of advertisements to be approved by the Society.

The Officers and Committee having been elected, the following candidates were admitted to the Society: Trevor B. Heaton (Oxford), H. St A. Heathcote (Cairo), A. Hassan (Cairo), Eric Ponder (Edinburgh), J. R. Hay-Mouatt, G. M. Wishart (Glasgow), A. J. Huggett² (St Thomas's),

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¹ In consequence of these changes the publication of the *Proceedings*, which had been suspended since the meeting of March 12th, was resumed.

² Should be A. St G. H. M. Huggett.
HISTORY OF THE PHYSIOLOGICAL SOCIETY

E. Wace Carlier (Birmingham), J. C. Bramwell (Manchester), E. B. Verney (University College), Ellen Boock (London), Gladys Hartwell (King’s College for Women, London), J. W. Pickering (King’s College), R. A. Rowlands (London Hospital), E. G. T. Liddell (Oxford).

Dr T. B. Heaton is Lees Reader in Anatomy, Oxford.

Dr H. St A. Heathcote is Professor of Pharmacology at Cairo.

Dr Eric Ponder was Lecturer on Biophysics in the Physiology Department of Edinburgh University. He is now Associate Professor of General Physiology in New York University.

Dr Huggett is Demonstrator of Physiology in St Thomas’s Hospital Medical School.

Dr E. Wace Carlier was Professor of Physiology at Birmingham. He has now retired and is succeeded by Dr Daly.

Dr J. C. Bramwell is Physician in the Royal Infirmary, Manchester.

Mr E. B. Verney was Assistant in the Department of Physiology in University College, London. He is now Professor of Pharmacology in University College.

Dr R. A. Rowlands was Demonstrator of Physiology in the London Hospital Medical School, and is now Assistant Physician to the Hospital.

Mr Liddell is a Fellow of Trinity College, Oxford, and Demonstrator of Physiology.

A vote of congratulation to Sir Charles Sherrington on his receiving the Grand Cross of the British Empire was adopted1.

The attention of members was directed to the appeal being made for subscriptions to the memorial to the late Professor Chauveau, one of the Society’s Honorary Members.

March 18th, 1922 (at University College). Professor Starling in the chair.

The Secretary was directed to send an expression of sympathy to Mrs Waller and to the family of Professor Moore, on the regretted deaths of Professor Waller and Professor Moore.

July 8th, 1922 (at Oxford). Dinner in St John’s College, Professor Sir Charles Sherrington in the chair.

The following candidates were admitted to the Society: S. J. Covell (Sheffield), Norman M. Dott (Edinburgh), Henry Dryerre (Edinburgh),

1 Sir Charles Sherrington’s letter of thanks is preserved in the Minute Book.

Mr Norman M. Dott was Assistant to the Professor of Physiology, Edinburgh; he is now Surgeon to Chalmers Hospital and to the Deaconess Hospital, Edinburgh.

Dr Henry Dryerre is Professor of Physiology in the Royal Dick Veterinary College, Edinburgh, and Lecturer in Physiology and Biochemistry in the University of Edinburgh.

Lady G. M. Briscoe was Pathologist under the Medical Research Council and Assistant in Applied Physiology at the Flying Hospital, Hampstead.

The following changes in the Officers of the Society were made: Professor W. M. Bayliss to be Honorary Treasurer, Professor J. Mellanby to be Senior Honorary Secretary, Dr E. D. Adrian to be Junior Honorary Secretary and editor of the Proceedings.

Votes of thanks to Professor Bayliss for his services as Honorary Secretary, and to Mr W. L. Symes for his valuable assistance during several years in connexion with the Treasurer's accounts were adopted.

July 27th, 1922 (at Glasgow). This was a combined meeting of the Society and the Physiological Section of the British Medical Association, which was meeting in Glasgow.

November 18th, 1922 (at Manchester). Dinner in the Refectory of the University, Professor A. V. Hill in the chair.

The Secretary communicated an invitation from the Medical Section of the Royal Society of Medicine to a discussion of "Life at High Altitudes" on December 15th. The invitation was ordered to be printed on the programme of the next meeting of the Society.

December 16th, 1922 (at the National Institute for Medical Research).

Professor Cushny drew the attention of the meeting to the question as to whom notices of the approaching meeting of the International Physiological Congress, to be held in Edinburgh, should be sent. The meeting was unanimously of opinion that the issue of these notices should be universal, and that no countries should be debarred from receiving them.

1 This opinion was acted on. A similar expression of opinion was received from the American Physiological Society.
January 20th, 1923 (at King's College). Annual General Meeting. Dinner at the Norfolk Hotel, Professor Starling in the chair (in the absence of Professor Halliburton on account of illness).

The Secretaries' Report for 1922 states that twenty-five members have been elected and six have resigned, bringing the roll to 309. The deaths of three prominent members are referred to, namely, Professors Haycraft, Moore and Waller.

The Secretary was directed to convey to Professor Halliburton the greetings of the Society and a hope for his speedy return to health. Also to convey to the family of the late Professor J. B. Haycraft the sympathy of the Society.

The resignation of Professor Halliburton from the editorship of Physiological Abstracts was announced, and the Secretary was directed to convey to him the regret of the Society that he had felt compelled to take this step, and its hearty thanks for his labours, which had made the publication so conspicuous a success. It was remitted to the Committee to consider and report on the future conduct of the publication.

The Society voted the usual honorarium of £20 to Professor Halliburton for his services as editor during the past year, and an honorarium of £50 to the assistant editor, Mr C. L. Evans. The Officers and Committee were then elected and the following candidates were admitted members of the Society: S. W. Hardikar (India), C. R. Harington (London), G. E. Gask (London), W. F. Shanks (Leeds), Samson Wright (London), N. Morris (Glasgow), K. J. Franklin (Oxford), H. M. MacKeith (Oxford), John Pryde (Cardiff), T. P. Dunhill (London), Hartley Lupton, E. M. Watson (Canada), W. O. Fenn (Rochester, N.Y.), S. Babkin (Halifax, N.S.), E. C. Warner (London), Ruth E. Conway (London), G. A. Harrison (London).

Mr C. R. Harington is Biochemist at University College Hospital Medical School.

Mr G. E. Gask, C.M.G., D.S.O., is Professor of Surgery in St Bartholomew's Hospital and Director of the Surgical Unit.

Mr Samson Wright was Senior Demonstrator of Physiology at the Middlesex Hospital Medical School.

Dr Noah Morris is Professor of Physiology in Anderson College, Glasgow.

Mr John Pryde is Assistant in Biochemistry in University College, Cardiff.

Mr T. P. Dunhill, C.M.G., is Assistant Director of the Surgical Unit in St Bartholomew's Hospital.
Dr Babkin is Professor of Physiology in Dalhousie University, Halifax, N.S.

Mr G. A. Harrison is Lecturer on Biochemistry at St Bartholomew's Hospital Medical School.

March 17th, 1923 (at University College). Dinner at the University of London Club, Professor Starling in the chair.

The following arrangements were announced regarding the conduct of *Physiological Abstracts*: Sir William Bayliss to be editor in chief; Drs J. H. Burn, J. A. Hewitt, D. T. Harris, W. Styles and E. H. J. Schuster to be sub-editors (Dr Schuster, press-editor). Each sub-editor to be paid £50 per annum. Each abstractor to receive 2s. 6d. per page plus a proportionate share of any profits which might result from the sale of the publication.

Walter Styles, D.Sc., Cambridge, is Professor of Botany in the University of Reading: E. H. J. Schuster is on the Staff of the National Institute for Medical Research, Hampstead. Neither are members of the Society.

July 7th, 1923 (at Oxford). Dinner in Trinity College, Sir Charles Sherrington in the chair.


Dr F. A. E. Crew is Director of the Animal Breeding Research Department, University, Edinburgh.

Dr L. T. Hogben was successively Lecturer in the Departments of Animal Breeding and of Physiology in Edinburgh University. He afterwards became Associate Professor in the Department of Zoology in McGill University, Montreal, and is now Professor of Natural History in the University of Cape Town.

Dr R. Hilton is Assistant in the Medical Unit, St Bartholomew's Hospital.

Dr T. H. Oliver is Assistant Physician to the Royal Infirmary, Manchester.

Dr E. K. Marshall, Jr., is Professor of Physiology in Johns Hopkins University, Baltimore.
Mr L. E. Bayliss, son of Professor Sir W. M. Bayliss, F.R.S., is an Assistant in the Department of Physiology of University College.

July 23rd to 27th, 1923 (at Edinburgh). This was the occasion of the holding of the Eleventh International Physiological Congress, of which Professor Sir Edward Sharpey-Schafer was President. Many members of the Society attended the Congress and communicated papers to its Proceedings. These were published in the Quarterly Journal of Experimental Physiology, Supplementary Volume, 1923.

January 19th, 1924 (at University College). Annual General Meeting. Dinner at the College Refectory, Professor A. V. Hill in the chair. The Secretaries’ Report for 1923 shows twenty-eight new members elected and three resigned: the number being now 334. There were eight meetings with thirty-eight demonstrations and ninety-eight other communications, but some of the latter were crowded out; the average number per meeting was nine, allowing rather more than fifteen minutes for each. Attention is drawn in the Report to the high cost to individual members of publishing their communications in the Proceedings.

The Committee and Officers having been elected, the names of three foreign physiologists were added to the list of Honorary Members, viz. Professor W. Einthoven (Leiden), Professor E. Gley (Paris) and Professor Graham Lusk (New York).

The following candidates were admitted as ordinary members of the Society: L. B. Winter (Cambridge), W. Smith (Cambridge), S. A. Asdell (Cambridge), J. Gray (Cambridge), J. M. Duncan Scott (St Bartholomew’s), Sybil Cooper (Oxford), J. Needham (Cambridge), P. C. Raiment (Oxford), G. L. Peskett (Oxford), John Fulton (Brookline, Mass., U.S.A.), F. G. Banting (Toronto), H. S. Gasser (St Louis, Mo., U.S.A.), Sylvia K. Hickson (Manchester), Gladys Kay (London), J. W. McNee (London), C. A. Botwood (Leeds).

Mr James Gray, M.C., is a Fellow of King’s College, Cambridge, and University Demonstrator in Comparative Anatomy.

Dr Duncan Scott was Demonstrator of Physiology in St Bartholomew’s Medical School. He is now Professor of Physiology in the University of Saskatchewan, Saskatoon.

Mr J. Needham is Assistant in the Biochemical Laboratory, Cambridge.

Mr P. C. Raiment is Demonstrator of Biochemistry in Oxford.
Dr F. G. Banting is Professor of Experimental Medicine in Toronto. He was awarded a Nobel Prize for Medicine in 1923.

Mr J. W. McNee, D.S.O., is Assistant in the Medical Unit, University College Hospital.

Mr John Fulton was working at this time in the Oxford Laboratory with Sherrington. He was at one time Instructor in Physiology at Harvard.

Sir Walter Fletcher proposed and Dr C. J. Martin seconded a resolution of congratulation and good wishes to those members of the Society who had lately received the Nobel Prize. The resolution having been adopted, Professor A. V. Hill returned thanks to the meeting on his own behalf.

It was referred to the Committee to consider whether the Annual Meeting should be held in March so as to allow more time for the Treasurer's Balance Sheet for the year to be drawn up. It was also referred to the Committee to consider whether the allocation of work to the different abstractors might be improved upon.

March 15th, 1924 (at St Bartholomew's). Dinner in the Manchester Hotel, Professor C. Lovatt Evans in the chair.

This was a Special Meeting called to consider alterations in the rules. The Committee recommended that the Annual General Meeting should in future be held in March and the Half-yearly Meeting for election of new members in October: the recommendation was adopted.

The advisability of discontinuing the publication of Physiological Abstracts after March 1925 was brought up and after discussion the meeting adopted a resolution that it should be continued: the ways and means being deferred for consideration to a subsequent meeting.

May 24th, 1924 (at Cambridge). Dinner in Trinity College, Professor Langley in the chair.

Physiological Abstracts. The Committee proposed that Professor J. Mellanby should be appointed general editor in place of Professor Sir William Bayliss (who had resigned on account of illness), and that the assistant editors (p. 169) should be re-appointed. These proposals were adopted, as was a further proposal that abstractors should be paid at the rate of one shilling per inch of printed matter.

The question of holding a meeting in Leiden in April 1925 was considered, and as a result of the discussion it appeared that if an invitation were received by the Society many members would attend the meeting.

The proposal of the American Biological Societies to publish a Journal
containing abstracts of papers bearing on all biological subjects was explained by Professor Starling, who stated that the Committee of the Society had appointed representatives to meet the American representatives to discuss the relation of the proposed new publication to Physiological Abstracts.

*July 5th, 1924 (at Oxford).* Dinner in Magdalen College, Professor Sir Charles Sherrington in the chair.

The Chairman extended a special welcome to Professor Graham Lusk, one of the new Honorary Members.

On the motion of Dr H. H. Dale the congratulations of the Society were tendered to Sir Charles Sherrington on his having had the Order of Merit conferred upon him.

The following candidates were admitted to the Society: A. S. Parkes (University College), E. J. Warburg (Copenhagen), D. F. L. Golla (Maudsley Hospital), F. C. Smith (London Hospital), H. M. Carleton (Oxford), R. Azuma (Tokyo), T. Secker (Newcastle-on-Tyne), Eleanor M. Scarborough (London School of Medicine for Women), J. F. Donegan (Galway), J. Frost (Madras), H. H. Woollard (London), R. Coope (Liverpool), G. B. Fleming (Glasgow), R. Robison (Lister Institute, London), H. T. Channon (University College, London), J. M. O’Connor (Dublin), C. F. A. Pantin (Plymouth), C. N. H. Long (Montreal), Basiswar Sen (Calcutta), J. G. Dusser de Barenne (Utrecht), H. Goldblatt (Cleveland, Ohio), G. Marshall Findlay (London), H. S. H. Wardlaw (Sydney), J. C. Spence, M.C. (Newcastle-on-Tyne), E. J. Conway (Dublin), H. G. Reeves (King’s College, London).

Dr H. M. Carleton is Lecturer on Histology in the Physiology Department of the University of Oxford.

Miss E. M. Scarborough is Reader in Pharmacology in the London School of Medicine for Women.

Dr J. F. Donegan is Professor of Physiology in University College, Galway.

Dr R. Coope is Lecturer on Biochemistry in the University of Liverpool.

Dr J. M. O’Connor is Professor of Physiology in University College, Dublin.

*October 18th, 1924 (at Guy’s Hospital).* Dinner in the Students’ Club, Professor Pembrey in the chair.

A vote of condolence with Lady Bayliss on the death of her husband was passed and the Secretary was directed to write to Lady Bayliss.
expressing the great loss the Society had suffered and the sympathy of the Society in her bereavement.

The nomination of Professor Pembrey by the Committee as Acting Treasurer was approved.

Dr Dale gave an account of the meeting at Toronto of representatives of the Society with the American Committee of the proposed Biological Abstracts. The Society approved of the nomination of Professor Bazett to represent the Society in America in connexion with that publication.

January 17th, 1925 (at St Thomas's Hospital). Dinner in the Students' Club, Dr V. J. Woolley in the chair.

An invitation from Professor Einthoven to the Society to meet at Leiden on Saturday, April 4th, 1925, was read. Members wishing to attend were asked to send their names to Professor J. Mellanby.

The following resolution proposed by the Committee regarding the American scheme for publication of Biological Abstracts was adopted by the Society: "The Society is of opinion that the projected American publication will not replace effectively Physiological Abstracts and that it would not be in the interests of Physiology in this country to discontinue the publication of Physiological Abstracts."

March 21st, 1925 (at University College). Annual General Meeting. Dinner at Pagani's Restaurant, Professor A. V. Hill in the chair.

The Officers and Committee for the ensuing year were elected, Professor M. S. Pembrey being chosen as Honorary Treasurer in the place of the late Sir William Bayliss, and Professor H. E. Roaf and Dr E. D. Adrian being elected Honorary Secretaries.

The Secretaries’ Report for the year 1924–25 shows that forty-two members have been elected, eleven have resigned and five have died. There are now 350 members. Eleven meetings were held of which eight were in London. Altogether there were sixty-three demonstrations and ninety-five oral communications—an average of six and nine respectively per meeting. Some of the meetings were so largely attended that members had difficulty in seeing the demonstrations, and if the numbers continue to grow at the present rate only the largest Physiological Laboratories will be able to hold the meetings.

The Treasurer's Report was received and adopted. It shows a credit balance of £156. 9s. 11d., and a sum of £900 placed on deposit. (The Report is now printed and issued each year with the list of members.)

It was proposed by Professor Starling and seconded by Professor Sharpey-Schafer that the Committee be asked to reconsider the cost of publication in the Proceedings, and to consider the proposals that proofs
of the papers be again available for perusal at the meetings at which the papers are to be read. This was agreed to.

Professor Starling reported that the Twelfth International Congress of Physiology is to be held in Stockholm August 3rd to 6th, 1926.

Professor Sharpey-Schafer moved and Dr Adrian seconded a resolution "that in view of the fact that the Society was founded in 1876 the Committee be asked to consider in what form the Society shall celebrate its Fiftieth Anniversary." This was agreed to.

Professor Pembrey moved and Dr Adrian seconded a resolution that "Sir E. Sharpey-Schafer be asked to write a report on the foundation of the Society." This was agreed to.

Various emendations in the rules were agreed to, amongst these being that the editor of *Physiological Abstracts* should *ex officio* be a member of the Committee of the Society.

The following candidates were admitted members of the Society: G. Spencer Melvin (Kingston, Ontario), E. Walker (Oxford), F. R. Winton (London), Fritz Eichholtz (Freiburg i/Br.), Adrian Stokes (Guy's), E. N. Wilmer (Manchester), J. C. Waller (Liverpool), Phyllis M. Kerridge (University College), Norman Burgess (Guy's), Margaret Murray (London), J. H. Shaxby (Cardiff), K. Shirley Smith (London), Owen S. Gibbs (Halifax, N.S.), A. W. M. Ellis (London Hospital), Raymond Whitehead (Manchester), H. E. Magee (Aberdeen), Louis N. Katz (Cleveland, Ohio), W. W. Payne (Guy's), Helena Wastl (Vienna), K. H. Tallerman (Cambridge).

Dr G. Spencer Melvin is Professor of Physiology in Queen's University, Kingston, Ontario.

Dr Adrian Stokes was Professor of Pathology at first at Trinity College, Dublin, and afterwards in Guy's Hospital Medical School. He died on September 19th, 1927, at Lagos from yellow fever, the cause of which he was engaged in investigating for the Rockefeller Commission. He was "one of the most brilliant students of medicine of this generation." An account of his career is given in the *British Medical Journal* for Oct. 1, 1927.

Mr J. C. Waller, the youngest son of the late Professor A. D. Waller, is an Assistant in the Botanical Department of the University of Liverpool.

Mrs Kerridge is Assistant in the Physiology Department and Instructor in Physical Chemistry in University College, London.
Dr J. H. Shaw by is Lecturer in Physics in University College, Cardiff.

Dr A. W. M. Ellis is Director of the Medical Unit and Professor of Medicine, London Hospital.

Mr H. E. Magee is Physiologist at the Rowett Research Institute, Aberdeen.

Mr W. W. Payne was Demonstrator of Physiology at Guy's Hospital Medical School. He is now Biochemist at the Hospital for Sick Children, Great Ormond Street, London.

April 4th, 1925 (at Leiden, Holland). A scientific meeting was held in the Pharmaco-Therapeutical Institute at 10 a.m. and in the Physiological Laboratory at 11 a.m. At 2.30 p.m. another session was held in the Physiological Laboratory.

After the scientific meeting the members of the Physiological Society were invited by their Dutch colleagues to a banquet, at which Professor Einthoven presided. Eighty-five persons were present at the dinner and signed their names.

As this was a historic occasion, being the first meeting of the Society which has been held outside Great Britain, the signatures are here reproduced, and may serve for comparison with the facsimile of the signatures of the twenty-two members who attended the inaugural dinner of the Society in May, 1876 (p. 14).

On Sunday, April 5th, the members and their friends were invited to view the bulb-fields and to visit the International Floral Exhibition at Heemsted. After lunch, which was provided at Heemsted, the party visited the Franz Hals Museum at Haarlem, where they were kindly shown over by the Director of the Museum.

On Monday, April 6th, the members and their friends were invited to the Laboratories of Physiology, Pharmacology and Biochemistry at Utrecht, where a number of interesting demonstrations and communications were made by workers in those laboratories.

Titles and short descriptions of the communications are entered in the Minute Book of the Society.

May 23rd, 1925 (at Cambridge). After the scientific meeting in the Physiological Laboratory at which seven demonstrations and sixteen oral communications were made, the dinner meeting was held in Trinity College, with Professor J. N. Langley in the chair.
The Society expressed approval of the action of the Committee in instructing the Secretary to write a letter to Professors Einthoven, Magnus, Zwaardemaker, and Storm van Leeuwen and their colleagues, thanking them for their hospitality during the Society's visit to Holland.

May 30th, 1925 (at Edinburgh). The scientific meeting was held in the Physiological Laboratory in the morning from 9.30 to 12.30. There were thirteen demonstrations and twelve oral communications. After lunch the members took train to North Berwick, with the object of visiting the Bass Rock, but the weather was such that landing on the island was impossible, so the party dispersed in various directions, some driving to Tantallon Castle, others ascending North Berwick Law, and others playing golf. All met for tea at Park End. After tea the members of the Society travelled to Edinburgh and dined at the North British Station Hotel, Professor Sir E. Sharpey-Schafer in the chair. Amongst the guests were Dr and Mrs Scott, of the City of New York College; Dr and Mrs Thorne Carpenter, of the Carnegie Nutrition Laboratory, Boston; and Professor Jarisch, of Innsbruck.

October 17th, 1925 (at Guy's Hospital). Dinner in the Students' Club, Professor M. S. Pembrey in the chair.

The Chairman announced that the laboratory of origin of papers in the proceedings of the Society can now be stated.

This needs explaining. When the Proceedings were first published in the Journal of Physiology, the laboratory in which the work was done was almost invariably that in which the meeting was held, since the original object of the scientific meetings was to exhibit to other members of the Society work which was actually in progress, and it was not necessary to announce that the work was done in that laboratory. But soon workers from other laboratories got in the habit of bringing their work to the institutions where it was customary to hold the scientific meetings. Nevertheless—although there was no rule to the contrary—the place where this work was being done was not specifically mentioned in the Proceedings, although the members of the Society were themselves aware of it. This was misleading for those readers of the Proceedings who did not belong to the Society. Nevertheless the custom of withholding the information as to the laboratory where the work was done was adhered to, although there was neither rhyme nor reason in its favour. It is now announced that the custom is abolished.

1 The deaths of Professor Magnus (August 1927) and Professor Einthoven (September 1927), have occurred whilst this sheet was passing through the press.
The following candidates were admitted to the Society: K. Furusawa (Japan), H. P. Gilding (St Bartholomew's), R. D. Lawrence (King's College Hospital), Henrietta Bainbridge (Wellcome Laboratory, Beckenham), R. Garry (Glasgow), H. Florey (London Hospital), W. D. Forrest (London Hospital), R. J. Lythgoe (London), G. P. Wright (St Louis, U.S.A.), H. N. Segall (Outremont, Canada), G. Liljestrand (Stockholm), H. C. Ellis Wilson (Glasgow), A. J. Copeland (Cambridge), A. Hemingway (King's College), R. J. Brocklehurst (St Bartholomew's), T. H. Gaddum (London), R. Kinosita (Japan), H. S. D. Garwen, A. Watson (Glasgow), H. Cohen (Liverpool).

It was resolved, on the motion of Professor Graham Brown, seconded by Professor Swale Vincent, that an invitation to attend the meeting to be held at Cardiff in November be extended to Sir William James Thomas, who had presented the Physiological Laboratory to the University of Wales.

November 14th, 1925 (at Cardiff). Dinner in the Royal Hotel, Professor T. Graham Brown in the chair.

The death of Professor J. N. Langley, an original member of the Society, was reported. A vote of condolence to Mrs Langley was passed, the members upstanding. The Secretary was directed to write to Mrs Langley expressing the great loss the Society had suffered by her husband's death and the sympathy of the Society in her bereavement. Mrs Langley's reply in acknowledgment of this message is preserved in the Minute Book.

Acquisition of the Journal of Physiology by the Society.

Consequent on Professor Langley's death the question of the acquisition of the Journal of Physiology by the Society became urgent, and the Committee entered into negotiations with his executors with the view of the publication being taken over by the Society. In order to give the Committee the necessary authority a special general meeting was called on December 12th, 1925, to deal with the matter.

At this meeting, which was held at Bedford College, with Professor J. S. Edkins in the chair, Professor Starling proposed on behalf of the Committee the following recommendations: these were unanimously agreed to:

1. That the Committee be authorised to suspend all rules of the Society relating to the Journal and to the publication of the Proceedings at their discretion.
2. That Messrs Clay (the printers) be informed that, failing the conclusion of an agreement between the Society and the executors of the late Professor Langley, all arrangements with regard to the Journal and to the publication of the Proceedings lapse as from 31st December, 1925, and that the Society will not be responsible for any copies of the Journal sent to members of the Society after that date.

3. That the Editor of the Proceedings be empowered to suspend their publication until further notice.

4. That the Committee be authorised to offer the sum of £1000, payable in four annual instalments free of interest, to the executors of the late Professor Langley for the whole of his interest in the Journal of Physiology. Back numbers up to the end of Volume 60 are not included and will remain the property of Professor Langley's representatives, who will also be entitled for ten years to a quarter-page free advertisement of the said back numbers in each number of the Journal.

Following the Special General Meeting an ordinary meeting for scientific communications was held. Mrs Langley's letter of thanks for the Society's letter of condolence (p. 177) was read, and also a letter from Professor Hans Meyer, one of the Honorary Members of the Society, as President of the Wiener biologische Gesellschaft, condoling with the Society on the loss it had sustained by Professor Langley's death.

It was agreed on the recommendation of the Committee that Dr Henry Head be elected an Honorary Member.

The scientific programme was then proceeded with.

January 23rd, 1926 (at the National Institute for Medical Research). Dinner at the Euston Hotel, Dr H. H. Dale in the chair.

Professor Cushny and Dr Dixon were appointed to represent the Society at the Conference on revision of the British Pharmacopoeia.

Two members were removed from membership of the Society, since they had not replied to applications for their subscriptions sent by registered post.

The Secretary was instructed to write letters of condolence to the relatives of the late Professor J. G. McKendrick and the late Dr Richard Caton expressing the sense of the Society of the value of their work for the science of Physiology.

The Secretary was instructed to send a letter to Mrs Langley expressing their appreciation of the work of the late Professor Langley for the
Journal of Physiology and the intention of the Society to maintain the high level of the Journal1.

A letter from Dr Head was read expressing appreciation of his election as Honorary Member.

The following recommendations of the Committee regarding the administration of the Journal of Physiology were agreed to:

1. There is to be an Editorial Board of four Editors, one of whom is to be permanent Chairman of the Board.
2. One of the Editors is to be named to whom all papers should be sent in the first instance.
3. The Editor who receives the papers shall be provided with paid clerical assistance.
4. The Editors to have occasional meetings, the fares to be paid out of Journal funds.
5. Until the Society otherwise determines, not more than two volumes of approximately six hundred pages each shall be published per annum.
6. The Editors to have complete discretion.
7. The Board of Editors to report to the Committee any suggestions they wish to make as to the conduct of the Journal, and to consult with the Treasurer as to financial arrangements.

It was further agreed that Sir Charles Sherrington be invited to act as Chairman of the Editorial Board, and that Dr E. D. Adrian, Professor A. V. Hill and Professor J. B. Leathes be the other three editors; that the Treasurer, Secretaries and Chairman of Committee be appointed Trustees for the purchase of the Journal of Physiology; and that the Treasurer be authorised to transfer £750 to the Trustees of the Journal for a special publication fund.

February 20th, 1926 (at King's College). Dinner in the Senior Common Room, Professor R. J. S. McDowall in the chair.

Letters were read from Miss Caton, Dr J. Soutar McKendrick and Mrs Langley in reply to the letters which had been sent to them on behalf of the Society.

March 20th, 1926 (at University College). Annual General Meeting. Dinner in the Refectory of the Medical School, Professor E. H. Starling in the chair.

The meeting—the members upstanding—passed votes of condolence with the relatives of the late Professor A. R. Cushny and the late Pro-

1 The draft of the letter is preserved in the Minute Book.
fessor Sutherland Simpson; the Secretary was instructed to write letters conveying the sympathy of the Society to their relatives.

The Report of the Secretaries shows that during the year 1925 forty ordinary members had been elected, nine had resigned, the names of two had been removed under Rule 17, and six had died.

The names of those who had died are Dr J. Graham Brown, Professor Arthur R. Cushny, Professor John Newport Langley, Sir James Mackenzie, Professor J. G. McKendrick and Professor Sutherland Simpson. The Secretaries add: “It is a striking fact that all these were men of distinction and most of them had been members of the Society for many years.” The Secretaries reported that a distinguished former member, Dr Richard Caton of Liverpool, who was an original member of the Society, but had resigned membership on account of advancing age, had also died during the year.

The total number of ordinary members is now 377. One Honorary Member has been elected, bringing the number of Honorary Members up to eight. The date of election of each member is in future to be placed after his name in the printed list of members.

There had been eleven ordinary meetings and one special general meeting. The meeting of the Society at Leiden and the visit to Utrecht are also referred to.

The average number of demonstrations at each meeting was nine, and of oral communications twelve.

The acquisition of the *Journal of Physiology* by the Society is referred to in the Report, as well as the necessary revision of the Rules consequent on this step. The Report concludes: “This year the Society will complete the fiftieth year since its foundation, and it is probable that some steps will be taken to commemorate this fact.”

The rules of the Society as amended were passed for printing in the Annual List of Members. It was suggested by the Committee that to Rule 7, dealing with the election of ordinary members, the following words shall be added: “Not more than twenty members shall be elected annually.” On a vote being taken on the question of limitation of members twenty-six were for and twenty-two against the change. It was, however, decided to pass the rule without the addition, and to leave to the Committee the subject of limiting the number of members chosen for election.

This brings the history of the Society to the end of March, 1926, which is exactly fifty years from its foundation. In consequence of the amount
of time occupied by the negotiations for the acquisition of the *Journal of Physiology* and the consequent changes in the constitution of the Society, it was not found possible to make arrangements for the Jubilee celebration during 1926. This was accordingly deferred until the following year. The arrangements which were suggested included the following:

1. A banquet to be held in London on Saturday, May 13th, 1927, to which eminent foreign physiologists should be invited. This was duly held.
2. A commemorative medal to be struck. This suggestion was not acted upon.
3. A history of the Society during the first fifty years of its existence to be published in the *Journal of Physiology*. Now carried out.

This concludes what may be termed the domestic record of the Society during its first fifty years. But no account of its history can be considered complete which does not refer to the influence it has had in promoting the study of the science for the advancement and protection of which it was instituted. All important advances in Physiology made in Great Britain during the period with which we have been dealing have been brought in the first instance before the Physiological Society: it would require a considerable volume even to indicate their titles. But fortunately this is not necessary, for the *Journal of Physiology* from 1883 onwards contains a continuous account of the communications which have been made by its members—a record of which any Society may be proud.

Both the Physiological Society of Great Britain and the Société de Biologie of Paris—the foundation of which slightly preceded our own—have furnished models which have been copied in many other countries by the establishment of associations with similar aims, and even with similar titles. As a result of this activity the wave of advance in Physiology, which was started by William Harvey three hundred years ago, is moving on so extensive a front that it is no longer possible for an individual worker to deal with any but a segment of the ever widening circle. Hence the establishment within recent years of daughter societies for the special study of certain parts of the subject such as Biochemistry and Experimental Biology. But the budding off of these has produced no deterioration either in the personnel or in the scientific activity of the parent Society. And we may rest assured that at the celebration of the centenary of the Physiological Society in 1976 our successors will be found to have worthily continued the work which in 1876 was begun so auspiciously by their, and our, predecessors.