# YEAR-BOOK OF THE ROYAL SOCIETY OF LONDON, 1904

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Year-Book of the Royal Society of London, 1904 by Royal Society

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## **ROYAL SOCIETY**

# YEAR-BOOK OF THE ROYAL SOCIETY OF LONDON, 1904



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## ROYAL SOCIETY OF LONDON.

1904.

# LONDON: HARRISON AND SONS, ST. MARTIN'S LANE, Printers in Ordinary to His Majesty. 1904.

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#### MEMORANDUM AS TO THE WISHES OF THE COUNCIL IN RESPECT OF BENEFACTIONS TO THE SOCIETY.

From time to time since its foundation, the Royal Society has, through the generosity of benefactors, received funds, now amounting to a very considerable sum.

In the majority of cases the terms of gift have limited the application of the money to certain definite purposes, and, in particular, to the award of medals or other prizes for scientific discoveries or other contributions to the advancement of Natural Knowledge.

Every year the Council have to award several medals, including the Copley, Royal, Rumford, Davy, Darwin, Buchanan, Sylvester, and Hughes Medals, or some of these, and have been led by experience to the conclusion that it is neither to the advantage of the Society nor in the interests of the advancement of Natural Knowledge that this already long list of medals should in future be added to, and that, therefore, no further bequests to be awarded as prizes for past achievements should be accepted by the Society.

They desire, however, to make known that the funds belonging absolutely to the Society, funds tied down by no special directions as to their applications, funds which the Society are free to use for general purposes, are very few indeed. And the President and Council have again and again had the experience that the usefulness of the Society for the advancement of Natural Knowledge has been greatly hampered by the lack of funds of which they could freely make use according to their own judgment.

The President and Council are confident that it would not be difficult, wherever desirable, to associate in some conspicuous manner with any gift to the Society the name of the benefactor, and indeed they would wish to do so.

The President and Council accordingly desire to make it generally known that while they will willingly receive gifts to be applied to special objects or for the benefit of particular sciences indicated by the donors, they consider that, in view of the varying necessities of Science, the most useful benefactions are those which are given to the Society in general terms for the advancement of Natural Knowledge.

## YEAR-BOOK

OF

## THE ROYAL SOCIETY.

1904.

## FIXTURES OF THE SOCIETY.

## 1904.

JANUARY	21.	Meeting at 4.30 P.M.				
,,	28.	Ordinary Meeting at 4,30 P.M.				
***	31.	Last day	for receiv	ing app	lications for	
250H		Gover	rnment Gr	ants.	THE CONTRACTOR THE SECOND	
FEBRUARY	4.	Ordinary	Meeting .	at 4.30	P.M.	
20	11.	**	29	**		
33	18.	57	95	**		
33	25.	33	77	27		
MARCH	3.	31	22	27		
21	10.	11	11	,,		
**	17.	**	33	17		
**	24.	22	17			
APRIL	28,	33	**	**		
May	5.	Election o	f Fellows	at 4 P.	м.	
33	5.	Ordinary	Meeting a	t 4.30	P.M.	
**	19.	"	23	23		
JUNE	2.	**	15	17		
11	9.	12	**	99		
**	16.	***	22	17		
NOVEMBER	17.	***	22	39		
17	24.	**	**	,,		
11	30.	Anniversar	y Meeting	at 4 P.	M. (Wednesday).	
DECEMBER	1.	Ordinary 1	Meeting at	4.30 P.	м,	
25	8.	,,,	1)	11		
	31.		for recei dates for		rtificates of	

#### THE LIST OF THE ROYAL SOCIETY, JAN. 1, 1904.

#### HIS SACRED MAJESTY KING EDWARD VIL., PATRON.

#### HIS ROYAL HIGHNESS THE PRINCE OF WALES, K.G.

#### THE COUNCIL.

SIR WILLIAM HUGGINS, K.C.B., O.M., D.C.L., LL.D.—PRESIDENT. ALFRED BRAY KEMPE, M.A.-TREASURER AND VICE-PRESIDENT. PROF. JOSEPH LARMOR, D.Sc., D.C.L., LL.D.-SECRETARY. SIR ARCHIBALD GEIKIE, D.C.L., Sc.D., LL.D.-SECRETARY. FRANCIS DARWIN, M.A., M.B.—FOREIGN SECRETARY.

F.Z.S.

PROF. JOHN ROSE BRADFORD, M.D., D.8o.

HUGH LONGBOURNE PROF. CALLENDAR, LL.D.

PROF. HABOLD BAILY DIXON, M.A.

FRANK WATSON DYSON, M.A.

SIR MICHAEL FOSTER, K.C.B., D.C.L .- VICE-PRESIDENT.

PROF. PERCY FARADAY FRANKLAND, PR.D.

GEORGE ALBERT BOULENGER, | SIR ROBERT GIFFEN, K.C.B., LL.D.

> PROF. WILLIAM DOBINSON HALLIBURTON, M.D., F.R.C.P. ERNEST WILLIAM HOBSON, Sc.D. PROF. JOHN WESLEY JUDD, C.B., L.L.D .- VICE-PRESIDENT.

PROF. GRORGE DOWNING LIVEING, M.A .- VICE-PRESIDENT. PROF. AUGUSTUS EDWARD HOUGH LOVE, M.A.

ADAM SEDGWICK, M.A. WILLIAM NAPIER SHAW, Sc.D.

CAPT. THOMAS HENRY TIZARD, B.N., C.B.

This Council will continue till November 30, 1904.

ROBERT HARRISON-ASST. SECRETARY AND LIBRARIAN.

#### CLERICAL STAFF.

T. E. JAMES (Clerk).

A. H. WHITE (Assistant Librarian).

F. A. TOWLE (Clerk to the Government Grant Committee).

R. L. SHEPPARD.

M. MACGREGOR.

## FELLOWS OF THE ROYAL SOCIETY, JANUARY 1, 1904.

Date of	THE PARTY OF THE P	Service on
Election	* ©**	Council, &c.
1876	Abney, Sir William de Wiveleslie, K.C.B. D.C.L. (Dunelm.) D.Sc. (Vict. and Dub.) F.I.C. F.C.S. F.R.A.S., late Principal Assistant Secretary, Board of Education, South Kensington, retired Capt. B.E. Medal: Bumford. Measham Hall, Leicestershire; Rath-	91-93
0.000.0000	more Lodge, Bolton Gardens South, Earl's Court, S.W.; and Athenseum Club, S.W.	
1872	Adams, William Grylls, M.A. D.Sc. F.G.S. F.C.P.S. Vice-President of Physical Soc.; Past Pres. Inst. Elec. Eng.; Professor of Natural Philosophy and Astronomy in King's College, London. 43 Camp- den Hill Square, W.	96-98
1889	Aitken, John, F.R.S.E. Ardenlea, Falkirk, N.B.	
	Alcock, Alfred William, Major I.M.S. C.I.E. M.B. LL.D. C.M.Z.S. Superintendent of the Indian Museum, and Professor of Zoology in the Medical College, Calcutta. <i>Indian Museum, Calcutta</i> .	
1880	Allbutt, Thomas Clifford, M.A. M.D. Lil.D. D.Sc. F.L.S. Regius Pro- fessor of Physic in the University of Cambridge. St. Radegund's, Cambridge.	
1891	Allerton, Right Hon. William Lawies Jackson, Lord. 27 Cadogan Square, S.W.; and Allerton Hall, Chapel Allerton, Leeds.	
1884	Allman, George Johnston, L.L.D. D.So., late Professor of Mathematics in Queen's College, Galway; Member of Senate of the Royal University of Ireland. St. Mary's, Galway.	
1902	Alverstone, Richard Everard Webster, Lord, G.C.M.G. Hurnton Lodge, Kensington, W.	
1888	Andrews, Thomas, F.R.S.E. F.C.S. Mem. Inst. C.E., Telford Modallist and Prizeman, Inst. C.E., Bessemer Prizeman, Soc. Engineers. Ravencray, Wortley, near Sheffield.	
1876	Armstrong, Henry Edward. Ph.D. (Lips.) I.L.D. (St. Andr.) Past Pres. Chem. Soc.; Professor of Chemistry at the City and Guilds of London Central Technical College, South Kensington; Hon. Mem. Pharm. Soc. Lond. 55 Granville Park, Lewisham, S.E.; and Athensum Club, S.W.	1888-90 1900-2 V.P. 1901-2
1880	Attfield, John, M.A. Ph.D. (Tub.) F.I.C. F.C.S., late Professor of Practical Chemistry to the Pharmaceutical Society of Great Britain, Hon. Mem. Amer. Pharm. Assoc., Colls. Pharm. Philad., New York, Mass., Chic., Ontario, and Pharm. Assocs. Liverp., Manch., Maryland, Virg., Georgia, New Hampshire, and Quebec; Hon. Corresp. Mem. Soc. Pharm. Paris; Hon. Mem. Pharm. Soc. Gr. Brit., New South Wales, St. Petersb., Austria, Denmark, East Flanders, Switzerland, Queensland, and Australasia. Ashlands, Watford, Herts.	
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