

THE 1850 AND 1851 MEMBERSHIP LISTS OF THE BRITISH METEOROLOGICAL SOCIETY

The Royal Meteorological Society was founded as The British Meteorological Society on Wednesday 3 April 1850. It became The Meteorological Society in 1866 (when incorporated by Royal Charter) and The Royal Meteorological Society in 1883 (when Her Majesty Queen Victoria granted the privilege of adding 'Royal' to the title). Amalgamation with the Scottish Meteorological Society took place in 1921. This article introduces some of the people who belonged to the British Meteorological Society in 1850 and 1851.

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INTRODUCTION

The ten gentlemen who founded the British Meteorological Society on 3 April 1850 did so in the library of Hartwell House, near Aylesbury, Buckinghamshire. These gentlemen were as follows:

- **Dr John Lee**, the owner of Hartwell House and an eminent patron of astronomy and meteorology.
- **Samuel Charles Whitbread**, a grandson of the founder of the famous brewing firm.
- **The Revd Samuel King** of Latimer, near Chesham.
- **The Revd Joseph Bancroft Reade** of Stone Vicarage, near Aylesbury.
- **The Revd Charles Lowndes** of Hartwell Rectory.
- **James Glaisher**, Superintendent of the Magnetic and Meteorological Department of the Greenwich Royal Observatory.
- **Edward Joseph Lowe** of Highfield House, near Nottingham.
- **Vincent Fasel** of Stone, near Aylesbury.
- **John Drew** of Southampton.
- **William Rutter** of Haverstock Hill, north-west London.

The following day, 4 April 1850, five more members were admitted:

- **William Johnson** of Thame, near Oxford.
- **Mrs Lee**, wife of John Lee.
- **Mrs Lowndes**, wife of The Revd Charles Lowndes.
- **The Revd John Slatter** of Rose Hill Cottage, near Oxford.
- **William Stowe** of Buckingham.

At the first ordinary meeting of the British Meteorological Society, held on 7 May 1850, the number of members grew by a further 75. Among them were the following, who were all, at the same meeting, appointed vice-presidents:

- **General Sir Thomas Makdougall Brisbane** of Makerstoun, Roxburghshire.
- **Luke Howard** of Pontefract, Yorkshire.
- **Francis Charles Hastings Russell**, Member of Parliament for Bedfordshire.
- **Lord Robert Grosvenor**, Member of Parliament for Middlesex.

TWO GIANTS OF METEOROLOGY

Some of these names are very familiar to meteorologists. Who has not heard of Luke Howard and James Glaisher, who were both giants of meteorology?

Luke Howard (1772-1864) was a manufacturing chemist and amateur meteorologist who put forward the first practical classification of clouds and thus gained a place in meteorological history as “the man who named the clouds”. He proposed his classification at a meeting of the Askesian Society held in London in December 1802 and published it in 1804 in *An essay on the modifications of clouds*. He also published a number of other significant contributions to meteorology, among them:

- *The climate of London* (first edition 1818, second edition 1830)
- *Seven lectures on meteorology* (1837)
- *A cycle of eighteen years in the seasons of Britain* (1842)
- *Barometrographia* (1847)

He was among those who attended the inaugural meeting of the United Kingdom’s earliest meteorological society, held in the London Coffee House on 15 October 1823. This society was called *The Meteorological Society of London* and should not be confused with the society of the same name formed on 2 June 1848. Howard never joined the latter. For details of these two societies, click [here](#).

James Glaisher (1809-1903) was the United Kingdom’s first full-time government-appointed meteorologist (but never an employee of the Meteorological Office). In the 1840s, he established a network of reliable amateur meteorological observers, among them Samuel Charles Whitbread (1796-1879) of Cardington, Bedfordshire, the first President of the British Meteorological Society. Thanks to Glaisher’s enthusiasm and leadership, the British Meteorological Society survived its formative years and became established. Without him, moreover, and also **Charles Vincent Walker** (who joined on 4 June 1850), the society would probably not have survived a financial crisis in the early 1860s. Thanks in no small measure to Glaisher and Walker (the latter President 1869-70), the British Meteorological Society gained its Royal Charter in 1866. James Glaisher served as President in 1867-68.

FOUR NOTABLE FOUNDER MEMBERS

John Drew was born in 1809 and became a schoolmaster when only fifteen years of age. He was assistant teacher in a school in Melksham (Wiltshire) for two years and headmaster of a school in Southampton for the next sixteen. He made his name, though, as an astronomer and meteorologist, publishing his *Manual of astronomy: a popular treatise on descriptive, physical and practical astronomy* in 1845 and a work called *Practical Meteorology* in 1855. In the Preface to the latter, he noted that in 1847 he had resolved to make meteorological observations in Southampton and looked in vain “for some treatise on the subject of meteorology which should assist him in the choice and use of instruments”. Thus was conceived his book on practical meteorology. He also noted in the Preface that in 1850 he had been “invited to assist at the formation of the British Meteorological Society”. “Being anxious, as a Member of the Council”, he went on, “to promote [the Society’s] object”, he had “published in a scientific periodical, a series of papers *On the instruments used in meteorology, and on the deductions from the observations*, which were extensively circulated by the Secretary among the Members, of whom several, whose position added weight to their representations, urged the author to republish the series in a more permanent form”. His meteorological observations in Southampton were summarised in two papers read before the British Association in 1851 and 1854. Drew also published, in 1835, *Chronological charts illustrative of ancient history and geography*. He was a Corresponding Member of the Philosophical Institute of Bâle and possessed the degree of Doctor of Philosophy of Bâle University. He was elected a Fellow of the Royal Astronomical Society on 9 January 1846 and died at Surbiton on 17 December 1857 after a long illness.

Edward Joseph Lowe was born in 1825 at Highfield House, near Nottingham. He began to make meteorological observations there when he was fifteen years of age and continued to do so until 1882, when he removed to Chepstow, Monmouthshire. He published *A Treatise on Atmospheric Phenomena* in 1846 and also wrote several papers on meteors and fireballs. He observed the solar eclipse of 1860 near Santander in northern Spain and during it made a series of meteorological observations, among them measurements of temperature at various heights above the ground. He was an authority not only on meteorology but also on ferns, grasses and conchology. He was a Fellow of the Royal Society and also a Fellow of the Linnaean, Zoological, Geological and Royal Astronomical Societies. He died at his residence (Shirenewton Hall, Monmouthshire) on 10 March 1900, by coincidence the same day that another distinguished member of the Royal Meteorological Society passed away, namely George James Symons (about whom a pen portrait was published in *Weather* in 1993, Volume 48, No.3, pages 75-77). **Edward Joseph Lowe** was a son of **Alfred Lowe** (1789-1856) and brother of **Captain (later Colonel) Arthur Swann Howard Lowe** (1826-1888) who both joined the British Meteorological Society on 7 May 1850.

For an obituary of Edward Lowe, see the *Quarterly Journal of the Royal Meteorological Society*, 1901, Volume 27, page 220. For an obituary of Alfred Lowe, see the *Report of the Council of the British Meteorological Society* read at the Seventh Annual General Meeting, 27 May 1857, pages 5-6. For an obituary of Arthur Lowe, see the *Quarterly Journal of the Royal Meteorological Society*, 1889, Volume 15, page 89. Alfred made meteorological observations at Highfield House until ten days before his death (which occurred on 10 August 1856). He was a keen astronomer and built an observatory, and he also grew rare and exotic plants in the grounds of his house. He was a Justice of the Peace for the County of Nottingham.

The Revd Joseph Bancroft Reade (1801-1870) was born in Leeds and educated at the grammar school in that town, after which, in 1820, he proceeded to Cambridge University (first to Trinity College, then to Caius College). He graduated a Bachelor of Arts (Senior Optime) in 1825, Master of Arts in 1828. He was ordained deacon in 1825 and took priest’s orders in 1826. He was Assistant Curate of Kegworth (Leicestershire) from 1825 to 1829 and Assistant Curate of Halifax (Yorkshire) from 1829 to 1832. Then, he became incumbent of Harrow-on-the-Weald. He was appointed Vicar of Stone (near Aylesbury) in 1839 (presented to the benefice by the Royal Astronomical Society) and held that living until 1859, when he became Rector of Ellesborough (Buckinghamshire). Four years later, he became Rector of Bishopsbourne (near Canterbury) and held that living until his death in 1870. He was especially interested in chemistry and microscopy and was, indeed, a founder member of the Royal Microscopical Society (founded in 1839). At the time of his death, he was President of that Society. He was also keenly interested in photography and served as a Vice-President of the Photographic Society of London (1855-57). He was elected a Fellow of the Royal Society in February 1838. Among his many publications was one with **Vincent Fasel**, who also attended the foundation meeting of the British Meteorological Society at Hartwell House on 3 April 1850. This was a paper on Peterson’s Third Comet, published in the *Monthly Notices of the Royal Astronomical Society* in 1850 (Volume 10, No.7, pages 150-151). Reade published an account of his observatory at Stone Vicarage in the aforementioned *Monthly Notices* in 1854 (Volume 14, No.7, pages 196-198). For a bibliography of Reade’s writings, click [here](#). For an article about his early photographic experiments (in 1839), click [here](#). An obituary of Reade was published in the June 1871 issue of the *Proceedings of the Meteorological Society* (Volume 5, pages 366-367).

The Revd John Slatter was born in 1817 at Iffley, near Oxford. He proceeded to Oxford University (Lincoln College) and graduated a Bachelor of Arts in 1838, Master of Arts in 1841. Following ordination, he was first an assistant curate in Leeds, then Priest-in-Charge of Sandford-on-Thames (near Oxford) from 1852 to 1861. Thereafter, he was Vicar of Streatley (Berkshire) from 1861 to 1880 and Rector of Whitchurch (Oxfordshire) from 1880 until his death in 1899. He was greatly interested in astronomy and meteorology and for many years maintained a private observatory at Rose Hill, Iffley. A brief obituary of him was published in the *Quarterly Journal of the Royal Meteorological Society* in 1900 (Volume 26, page 219).

COUNCIL MEMBERS AND PRESIDENTS

All of the ten gentlemen who met at Hartwell House on 3 April 1850 helped run the society during its first year of existence.

Three served as officers and the other seven as Council members. The officers were:

- **Samuel Charles Whitbread (President)**
- **James Glaisher (Secretary)**
- **John Lee (Treasurer).**

Five others who joined the society on 7 May 1850 also served as Council members, namely:

- **Captain Francis Blackwood** of Portsmouth
- **The Revd Professor Temple Chevallier** of Durham University
- **George Leach** of St John's Wood, London
- **Dr Thomas Shapter** of Exeter
- **Professor John Stevelly** of Queen's College, Belfast

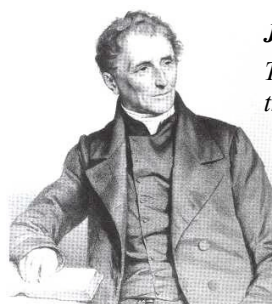
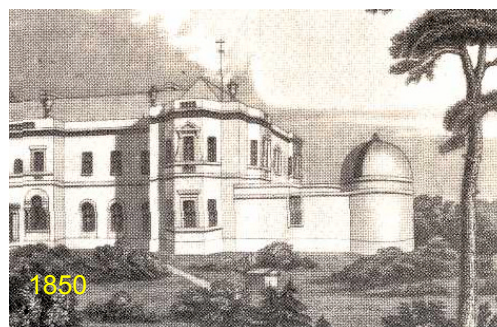
George Leach became the second President of the British Meteorological Society (1853-55) and **John Lee** the third (1855-57), but Luke Howard never became President.

Of the nineteen gentlemen who steered the British Meteorological Society through its first year of existence, only Whitbread, Lee, Glaisher and Leach ever served as President. **William Rutter** served as Librarian for four years.

Others who joined the British Meteorological Society in 1850 or 1851 and subsequently became President were:

- **Nathaniel Beardmore**, who joined on 11 February 1851 and served as President in 1861-62
- **Robert Dundas Thomson**, who joined on 4 June 1850 and served as President in 1863-64
- **Charles Brooke**, who joined on 7 August 1850 and served as President in 1865-66
- **Charles Greaves**, who joined on 11 March 1851 and served as President in 1878-79

The south-east (library) corner of Hartwell House



John Lee

The first Honorary Treasurer of the British Meteorological Society

Samuel Charles Whitbread
The first President of the British Meteorological Society



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Pen portraits of the aforementioned Presidents of the British Meteorological Society have been published in the following issues of the Royal Meteorological Society's monthly magazine, *Weather*:

- **Samuel Charles Whitbread** (President 1850-53) – December 1997 (Volume 52, pages 396-399)
- **George Leach** (1853-55) – March 2001 (Volume 56, pages 106-108)
- **John Lee** (1855-57) – July 1996 (Volume 51, pages 258-260)
- **Nathaniel Beardmore** (1861-62) – September 2000 (Volume 55, pages 325-327)
- **Robert Dundas Thomson** (1863-64) – August 1998 (Volume 53, pages 266-268)
- **Charles Brooke** (1865-66) – January 1998 (Volume 53, pages 24-26)
- **James Glaisher** (1867-68) – November 1995 (Volume 50, pages 384-387)
- **Charles Vincent Walker** (1869-70) – May 1998 (Volume 53, pages 151-155)
- **Charles Greaves** (1878-79) – September 2001 (Volume 56, pages 305-307)

Lord Robert Grosvenor (1801-93) was Member of Parliament for Middlesex from 1847 to 1857 and thereafter Baron Ebury of Ebury Manor. He was previously Member of Parliament for Shaftesbury from 1822 to 1826 and MP for Chester from 1826 to 1847. He became President of the original Meteorological Society of London in 1839 and was still President in 1843, when the society ceased to be active and the last issue of its journal was published. The society was not formally dissolved, however, until the beginning of 1851, when Lord Grosvenor passed its books and papers to the newly-formed British Meteorological Society. The other Meteorological Society of London (the one founded in 1848) was formally dissolved in September 1850. A profile of Lord Grosvenor appeared in *Weather* in March 1994 (Volume 49, pages 101-102).

Profiles of **Luke Howard** were published in *Weather* in March 1963 (Volume 18, pages 83-92) and February 2003 (Volume 58, pages 51-55).

Francis Charles Hastings Russell was born on 16 October 1819 and served in the Scots Fusilier Guards from 1838 to 1844. He was Member of Parliament for Bedfordshire from 1847 to 1872 and thereafter the 9th Duke of Bedford. He died on 14 January 1891.

Sir Thomas Brisbane (1773-1860) was a soldier, astronomer, Fellow of the Royal Society (elected 1810) and colonial administrator who developed an interest in navigation and meteorology during his many sea voyages. He was Governor of New South Wales from 1 December 1821 to 1 December 1825 and established, in 1822, at his own expense, an astronomical and meteorological observatory at Parramatta, a few miles west of Sydney. The city and river of Brisbane in Queensland were named after him (in 1823), as well as, much later and perhaps more appropriately, a crater on the moon and the *Sir Thomas Brisbane Planetarium* in Brisbane.

Captain Francis Price Blackwood was born on 25 May 1809 and died on 22 March 1854. He entered the Royal Navy on 6 December 1821 and gained the rank of Captain on 28 June 1838. He served from 13 November 1848 to 20 December 1851 as Commanding Officer of HMS *Victory*, then moored at Portsmouth. Like many other members of the British Meteorological Society, Blackwood was a Fellow of the Royal Astronomical Society.

The Revd Professor Temple Chevallier (1794-1873) has been called "a remarkable Victorian polymath" (Kenworthy 1994 – see below). He was appointed Professor of Mathematics at the newly-founded Durham University in 1834 and subsequently (1841) became Professor of Mathematics and Astronomy. He was also Reader in Hebrew at Durham for many years, as well as a Canon of Durham and Vicar of Esh (near Durham). He was largely instrumental in establishing the Durham Observatory (in 1839) and served as its Director for thirty years. Though principally an astronomer, he made sure regular meteorological observations were made at the Observatory. Another who joined the British Meteorological Society on 7 May 1850 was

Richard C. Carrington, who held the post of Observer at Durham Observatory from October 1849 to March 1852. For further information about Chevallier, Carrington and the Durham Observatory, see:

Kenworthy, J.M., 1994 "The Durham University Observatory meteorological record", in *Observatories and Climatological Research*, Occasional Publication No.29, Department of Geography, University of Durham, pp.12-22).

Kenworthy, J.M. and Lowes, M.D., 1993 "The Chevallier family: their contribution to meteorology in the north-east of England". *Weather*, Vol.48, No.2, pages 51-56.

Dr Thomas Shapter was born in Gibraltar in 1809 and graduated from the University of Edinburgh. He was a medical practitioner in Exeter from 1832 until his retirement in 1876 and took a special interest in environment and disease. His major work, *The history of the cholera in Exeter in 1832* (J.Churchill: London), was published in 1849, and he also published *A few observations on the leprosy of the Middle Ages* (1835), *Sketch of the geology of Exeter and its neighbourhood* (1838) and *The climate of the south of Devon* (1842). After he retired, he removed to London, where he died in 1902.

Another who joined on 7 May 1850, **William Philip Dymond**, became a member of Council in 1851. He was born in Exeter in 1829 and received his education first at Kimberly House School in Falmouth and later at Grove House School in Tottenham, London. At the latter establishment, there was a small meteorological observatory which Luke Howard had helped establish. According to the obituary of Dymond published in the *Quarterly Journal of the Meteorological Society* in 1879 (Volume 5, pages 121-122), “the observing and registering of the instruments [in the observatory] was committed to a selected number of the boys, of whom Mr Dymond was one, and this laid the foundation of an interest in meteorological investigation which, although the exigencies of a busy professional life prohibited the devotion of much time to the subject, was never extinguished”. Dymond served as a member of Council from 1851 to 1866 and as a Vice-President in 1866 and 1867. He died at Clifton in 1878.

HONORARY MEMBERS

At the end of 1850, there were 146 members of the British Meteorological Society. A year later, there were 170, including a number of Honorary Members, namely:

- **M. Mathieu** (de la Drôme) of the Paris Observatory, France;
- **Baron Armand Pierre Séguier** of Paris, France;
- **Professor Adolphe Quetelet**, Director of the Royal Observatory at Brussels, Belgium;
- **Captain Sir John Ross, RN**, the celebrated Arctic explorer;
- **Commander Charles Gerrans Phillips, RN**, another Arctic explorer.

According to the membership list for 31 December 1850, **Ross** and **Phillips** lived at the North Pole! At the time, both men were in the Arctic, taking part in the Sir John Franklin Search Expedition of 1850-51. Ross was in charge of the schooner *Felix* and Phillips was his second-in-command. Ross returned home in September 1851, by then 74 years of age, and settled at Northwest Castle, Stranraer, Scotland. This was the address given against his name in the membership list for 31 December 1851 (though the list incorrectly says “West Castle”), but he spent much time in London and, in fact, died there (in 1856). Phillips remained in the Arctic and his address was again given as ‘North Pole’ in the membership list for 31 December 1851. At the Annual General Meeting held on 25 May 1852, it was reported that the Society had received “Hourly thermometrical observations taken in the Arctic seas by Admiral Sir J Ross and Commander Phillips, for seven months”. Ross had in common with John Lee involvement in the temperance movement and the growth of science, in particular astronomy. For a full obituary of **Sir John Ross**, see the *Report of the Council of the British Meteorological Society* read at the Seventh Annual General Meeting, 27 May 1857, pages 5-13.

Monsieur Mathieu (1808-1865) was for some years an ardent politician. During the French Revolution of 1848, he was arrested and banished, residing first in Belgium, later in Savoy. When he returned to France, he found fame as a weather prophet. He published almanacs which contained his weather predictions, and the Paris correspondents of daily newspapers quoted these predictions. According to an obituary, the almanacs “gained an immense circulation” (*Proceedings of the British Meteorological Society*, Volume 2, 1865, pages 487-488). However, the enthusiasm of journalists for the predictions was not shared by everyone. Some people were less than impressed with Mathieu’s astro-meteorological methodology. Andrew Steinmetz, for example, called him “an indefatigable mooner”, a reference to his theory that wet and stormy weather depended upon the phases of the moon (*A manual of weathercasts*, Routledge, 1866). Furthermore, Steinmetz stated (in the same book) that Urbain Jean Joseph Le Verrier (1811-77), director of the Paris Observatory from 1854 to 1870 and 1872 to 1877, “condescended to refute his [Mathieu’s] system”.

Baron Séguier (1803-76) was a lawyer from 1824 to 1848 but thenceforward devoted himself wholly to science and mechanics, in which he had long been interested. He published a memoir *Sur les appareils producteurs de la vapeur* in 1832 and another entitled *Perfectionnements dans la marine à vapeur* in 1848. He invented a tubular boiler and other steam devices. He was, moreover, a daguerreotype pioneer and invented (1839) the first folding camera with bellows.

Astronomer and meteorologist **Lambert Adolphe Jacques Quetelet** (1796-1874) was one of the most influential social statisticians of the 19th century. From 1828 until his death, he was Director of the Royal Observatory at Brussels; and from 1834 to 1874, he was Perpetual Secretary of L’Académie Royale des sciences, des lettres et des beaux-arts de Belgique. He hosted and chaired the first international conference on meteorology, held at Brussels from 23 August to 8 September 1853. This conference reached agreement on a code of observational practice at sea; and an important (indirect) outcome of the conference for the United Kingdom was the establishment of the Meteorological Department of the Board of Trade, which became (in 1867) the Meteorological Office. The first director of the department was Captain (later Admiral) Robert FitzRoy, who joined the British Meteorological Society on 27 March 1855.

OTHER NOTABLE MEMBERS

Lady Noel Byron and her daughter Ada, Countess of Lovelace (who both joined the British Meteorological Society on 7 May 1850)

Lady Anne Isabella (Annabella) Noel Byron (1792-1860) was the widow of the 6th Lord Byron (1788-1824), the rebellious English poet, whom she married in early 1815. Their only child, Augusta Ada, was born on 10 December 1815 and married William King in 1835, becoming the Countess of Lovelace in 1838 when her husband became the first Earl of Lovelace. Lady Byron was no mean mathematician (called by her husband 'The Princess of Parallelograms') and encouraged her daughter to study mathematics and science. Ada met Charles Babbage (1792-1871), the celebrated mathematician and pioneer of machine computing, in 1833 and subsequently worked with him for many years, serving mainly and brilliantly as a technical writer, describing and explaining extremely clearly his various contributions to mathematics and computing and showing herself remarkably prescient in her writings on the programming of Analytical Engines. She died on 27 November 1852. The person who nominated Lady Byron and the Countess of Lovelace for membership of the British Meteorological Society was John Drew.

Lord Liverpool (joined the British Meteorological Society on 4 June 1850)

The 3rd Earl of Liverpool, Charles Cecil Cope Jenkinson of Pitchford Hall in Shropshire, was born on 29 May 1784 and died on 3 October 1851. He went to sea before he was ten years of age and served for three years. He proceeded to Oxford University (Christ Church) in 1801 but did not take a degree. He was for a few years in the diplomatic service (as attaché in Vienna) and became thereafter a Member of Parliament, first for Sandwich (1807-12), then for Bridgnorth (1812-18) and thereafter for East Grinstead (1818-28), giving up that seat when he succeeded as 3rd Earl.

The Marquis of Northampton (joined on 12 November 1850)

The 2nd Marquis of Northampton, Spencer Joshua Alwyne Compton, was born on 1 January 1790 and died on 17 January 1851. He was educated at Cambridge University (Trinity College) and graduated MA in 1810, LLD in 1835. He served as Member of Parliament for Northampton from 1812 to 1820 and succeeded as 2nd Marquis on 24 May 1828. He possessed a fine collection of minerals and fossils at his home, Castle Ashby in Northamptonshire, and served as President of the Geological Society from 1820 to 1822. He presided at the 1836 (Bristol) and 1848 (Swansea) meetings of the British Association for the Advancement of Science and furthermore took a lively interest in the Archaeological Association (founded in 1844). He was elected a Fellow of the Royal Society in 1830 and served as President of that society from 1838 to 1848.

Dr Thomas Herbert Barker (joined on 7 May 1850)

Barker was a distinguished physician and surgeon and one of the leading practical sanitarians of his day. He published numerous letters and case studies, and his reports on the sanitary conditions of Bedford, where he settled, were, to quote an obituary, "as clear and precise as they were outspoken and honest". The obituary, which does not give his dates of birth and death, was published in the June 1867 issue of the *Proceedings of the Meteorological Society* (pages 445-448). Three of his essays won him medals: the Hastings gold medal of the British Medical Association and the silver and Fothergillian gold medals of the Medical Society of London. He was a competent chemist and also keenly interested in astronomy, microscopy and meteorology. To quote the obituary, "he transformed his garden into an observatory, planted it with good instruments and took his observations with punctuality". He was a Fellow of the Royal Society of Edinburgh, President of the Bedford Literary Institute, a very active member of the British Medical Association, a Fellow of the Medical Society and other medical societies, and a corresponding member of the Natural History Society of Neuchâtel.

The Revd Charles Blathwaite (joined on 7 May 1850)

Sadly, the name of this gentleman does not appear in a membership list of the British Meteorological Society, for he passed away in 1850. According to the first annual report of the society, he was Curate of Staveley in Derbyshire and made there a series of meteorological observations. In the early 1840s, he was a member of the Meteorological Society of London, his address at that time being Lark Hall, Bath.

Sir Antonio Brady (joined on 4 June 1850)

Brady was born on 10 November 1811 and educated at Lewisham Grammar School. He entered the Civil Service as a junior clerk in the Royal Victualling Yard at Deptford and rose to become first Superintendent of the Purchase and Contract Department of the Admiralty. After his retirement in 1870, he was knighted in recognition of his work in the Civil Service over forty years. He became a member of the British Meteorological Society's Council in 1854 and subsequently served the society as a vice-president (1859-60 and 1863-64) and as a trustee (from 1865 until his death). He was a Fellow of the Geological Society and also, especially in his retirement years, a keen social, educational and religious reformer. He died on 12 December 1881 and a short obituary was published in the 1882 volume of the *Quarterly Journal of the Meteorological Society* (Volume 8, page 129).

Edward William Brayley (joined on 12 November 1850)

Brayley was born in London in 1801, the son of another E.W. Brayley, namely Edward Wedlake Brayley, a distinguished antiquary. Edward William studied under Professor W.T. Brande at the Royal Institution and in 1824 became a lecturer on natural philosophy and natural history. That same year, "when only 23 years of age", to quote from the obituary published in the June 1870 issue of the *Proceedings of the Meteorological Society* (Volume 5, pages 186-188), he was "an active Member of the Meteorological Society and engaged in its management with Dr Birkbeck, Mr Luke Howard, Mr (afterwards Professor) Daniell, Professor Leslie and other cultivators of meteorological science". He became Professor of the Physical Sciences at Hazelwood and Bruce Castle Schools in 1831 and one of two principal librarians at the Royal Institution in 1834. After the death of the other (Richard Thomson) in January 1865, he became sole principal librarian and also Professor of Physical Geography and Meteorology. He was the author of many papers in the fields of zoology, geology and mineralogical chemistry and published, in 1831, a book on *The utility of the knowledge of nature* (Baldwin & Cradock, London). He was an Associate of the Institution of Civil Engineers and a Fellow of the Royal, Linnæan, Geological and Royal Astronomical Societies. He died in London on 1 February 1870.

Sir David Brewster (joined on 28 October 1851)

Brewster was born at Jedburgh (Scottish Borders) on 11 December 1781 and entered Edinburgh University when he was 12 to study for the ministry. After completing his theological studies, he turned to science and made many important and original contributions to optics, particularly in respect of the reflection, absorption and polarization of light and the design of microscopes and other instruments. He improved the optics of lighthouses and also (in 1816) invented the kaleidoscope. He was elected a Fellow of the Royal Society of Edinburgh in 1808 and a Fellow of the Royal Society of London in 1815, and he played a leading rôle in the foundation of the British Association for the Advancement of Science in 1831. He was knighted in 1832. He was Principal of the United Colleges of St Salvator and St Leonard of the University of St Andrews from 1838 to 1859 and Principal of Edinburgh University from 1859 until shortly before his death, which occurred near Melrose (Scottish Borders) on 10 February 1868.

The Revd Samuel Clark (joined on 4 June 1850)

Clark was born at Southampton on 19 May 1810, his father a member of the Society of Friends. He was educated at a private school in Southampton until he was thirteen and then taken away to work in his father's brush and basket-making business. He removed to London in 1836 to become a partner in a publishing firm (Darton & Son of Holborn Hill, later Darton & Clark), continuing that business whilst at Oxford University (Magdalen Hall), where he studied from 1839 to 1846. He was baptised in 1837 and ordained in 1846, soon after he graduated. He was ordained to the curacy of Heyford (Northamptonshire) but only a few weeks later became Vice-Principal of St Mark's Training College for Schoolmasters in Chelsea. He was appointed Principal of the National Society's Training College at Battersea in the spring of 1851 and retained this position until 1863, when he accepted the living of Bredwardine, Herefordshire. Eight years later, he accepted the living of Eaton Bishop in Herefordshire, where he died on 17 July 1875.

Sir Charles Wentworth Dilke (joined on 4 June 1850)

Dilke was born on 18 February 1810 and educated at Westminster School and Trinity Hall, Cambridge, where he studied law. He played prominent roles in the Society of Arts and the Royal Horticultural Society and in so doing became acquainted with the Prince Consort, with whom he collaborated "in carrying out many of the great schemes for public improvement which are associated with the Prince's name" (as it was put in the obituary of Sir Charles published in the June 1869 issue of the *Proceedings of the Meteorological Society* (Volume 4, pages 419-420). Among these schemes was the Great Exhibition of 1851, for which Dilke was a member of the Executive Committee. He entered Parliament in 1865 as Member for Wallingford and also served as a Justice of the Peace for Middlesex. He was a Fellow of the Society of Antiquaries, a Fellow of the Royal Geographical Society, a Trustee of the Soane Museum and an active member of many other public and learned bodies. The honour of a Baronetcy was conferred on him in 1861. He died on 10 May 1869.

George Dollond (joined on 12 November 1850)

Born George Huggins (on 25 January 1774), he changed his name when he entered into a partnership with his maternal uncle, the famous instrument maker Peter Dollond. George trained as a mathematical instrument maker and became a skilled mechanic and optician, inventing and producing instruments used in astronomy, geodesy, meteorology and navigation. He was elected a Fellow of the Royal Society on 23 December 1819. He took an active part in the foundation of the Royal Astronomical Society in 1820 and ten years later became an original member of the Royal Geographical Society. He died on 13 May 1852.

William Farr (joined on 4 June 1850)

Farr was born in 1807 and died in 1883. He was from 1838 to 1880 a gatherer of statistics at the Registrar-General's Office (Somerset House, London), and his rather dry-sounding official title was 1st Compiler of Abstracts. He was, though, one of the most important people in the whole of the 19th century in connection with improvements in public health, for he produced evidence which showed that the shockingly-high death rate from disease was related to the appalling conditions of poor people.

Samuel Collett Homersham (joined on 7 May 1850)

Homersham was one of the few members of the Meteorological Society of London which existed from 1848 to 1850 to join the British Meteorological Society. He served as a vice-president of that Meteorological Society of London and, moreover, chaired all but one of the meetings of the society which were held in the period December 1849 to September 1850, the latter being the meeting at which the decision was made that the society be dissolved and its members encouraged to join the newly-formed British Meteorological Society. He chaired the meetings in the mysterious and still unexplained absence of the society's president, Lieutenant Richard James Morrison RN, the foremost astrologer of his day (pseudonym Zadkiel). Homersham was elected a vice-president of the British Meteorological Society in May 1851. For information about the two Meteorological Societies of London, click [here](#).

Captain Henry James, RE (joined on 10 December 1850)

James was born in 1803 and died in 1877. He was an expert on land meteorology and when, in 1851, the establishment of a world-wide network of meteorological observing stations was authorized by Major-General Sir John Fox Burgoyne (1782-1871), responsibility for making observations routinely and systematically was given to officers of the Royal Engineers, with Captain James in overall control of the network. At the Brussels Maritime Meteorology conference of August-September 1853, an outcome of which was the foundation of the body we now know as the Met Office, James was one of two British delegates, the other being the Arctic explorer Captain Frederick William Beechey RN (1796-1856). Both were Fellows of the Royal Society.

Henry Lawson (joined on 7 May 1850)

Lawson was born at Greenwich on 23 March 1774 and became a pupil of the celebrated Dr Burney of Greenwich for a short while before becoming apprenticed to Edward Nairne, an eminent optician of Cornhill, London, whom his mother had married in 1778. He did not, however, become an optician. Indeed, he never entered into any trade or profession. He was a man of means who devoted much of his life to science, not least as a generous benefactor. He was greatly interested in astronomy, meteorology and atmospheric electricity and possessed many fine telescopes and other instruments. He was elected a Fellow of the Royal Astronomical Society in 1833 and a Fellow of the Royal Society in 1840. To both of these societies, and also to the British Meteorological Society, he bequeathed £200 free of legacy duty. He died on 22 August 1855 and a full obituary was published in the *Report of the Council of the British Meteorological Society read at the Sixth Annual General Meeting May 27, 1856* (pages 7-11).

John Matthew (joined on 11 March 1851)

Matthew was born in London in 1820, the son of a Russia merchant. He was educated at a private school and thereafter became a pupil and eventually partner in Penn's of Greenwich, an engineering establishment which specialised in the design and construction of marine engines. He was keenly interested in astronomy and meteorology and possessed various telescopes and other instruments. He joined the Institution of Civil Engineers in 1849 and the Royal Microscopical Society in 1850 and also served as a volunteer fireman with the metropolitan fire brigade. He died on 7 August 1869 after a long illness and an obituary was published in the June 1870 issue of the *Proceedings of the Meteorological Society* (Volume 5, pages 190-191).

John Fletcher Miller (joined on 7 May 1850)

Miller was born at Whitehaven (Cumberland) on 20 June 1816 and received a classical and mathematical education at a school in Kendal that had formerly been directed by John Dalton but was then led by Mr S Marshall. When 15 years of age, he began to make weather observations, and he continued to do so until just before he died. In 1844, at his own expense, he began a study of rainfall in the Lake District using a network of almost thirty rain gauges, one of them on the summit of Scafell Pike, 978 metres above sea level. His work was recognised by the Royal Society in the form of grants to further his interest in the meteorology of the Lake District, and he was elected a Fellow of that society in 1850. He was also a keen astronomer and established and maintained his own observatory. He was a Fellow of the Royal Astronomical Society, a Corresponding Member of the Manchester Literary and Philosophical Society and a Life Associate of the Institution of Civil Engineers. He was also a Doctor of Philosophy and Master of Arts of the University of Göttingen. He died on 14 July 1856 and an obituary was published in the *Report of the Council of the British Meteorological Society read at the Seventh Annual Meeting, May 27, 1857* (pages 13-15).

Walter Ralph Milner (joined on 7 May 1850)

In the 1850 and 1851 membership lists, Milner's address was given as Wakefield Prison. He was not, however, an inmate! He was, as stated in the obituary published in the June 1869 issue of the *Proceedings of the Meteorological Society* (Volume 4, page 420), surgeon to the convict department at Wakefield House of Correction. Meteorology was but one of a number of sciences which interested him, and he was, as it was put in the obituary, "an accurate observer and recorder of meteorological phenomena, for which facilities were afforded him within the prison walls". He was born in London on 27 April 1810, the son of Ralph Milner, a native of Wakefield, and he died at Wakefield on 17 August 1868.

Dr Thomas Moffat (joined on 7 May 1850)

In the *Reports of the Council of the British Meteorological Society* during the period 1853 to 1861, Moffat published a number of articles about medical meteorology and atmospheric ozone. See the *Reports* for 1853 (page 8), 1854 (page 21), 1856 (page 24), 1859 (page 68), 1861 (pages 5 and 59). He was a Fellow of the Royal Astronomical Society and lived at Hawarden in North Wales. He was still a member of the British Meteorological Society in August 1862 but his name does not appear in the membership list for June 1864. No obituary was published in the Society's journals.

Henry Perigal (joined on 4 June 1850)

Perigal was born on 1 April 1801 and died at the very great age of 97 on 6 June 1898. He was appointed Treasurer of the British Meteorological Society on 24 May 1853 and held that office continuously until his death 45 years later, by which time the society had changed its name twice, to The Meteorological Society in 1866 and the Royal Meteorological Society in 1883. For the fortieth anniversary of his appointment as Treasurer, a dinner was given in his honour. He was for some years a clerk in the Privy Council Office, but he retired early and subsequently, through a family connection, found employment in a stockbroking business. He was interested not only in meteorology but also in other sciences, as shown by his membership of the Royal Astronomical Society, the Mathematical Society, the Royal Microscopical Society and the Royal Institution (joining the latter body when he was 94!). An obituary was published in the 1899 volume of the *Quarterly Journal of the Royal Meteorological Society* (Volume 25, pages 223-225).

Sir Jonathan Frederick Pollock (joined on 27 May 1851)

Pollock was born in London on 23 September 1783 and educated first at St Paul's School and later at Trinity College, Cambridge, becoming in 1806 Senior Wrangler. He chose law as his profession and rose to become a silk. He did not, however, abandon mathematics and was, indeed, elected a Fellow of the Royal Society in 1816 for his mathematical achievements. He was also a Fellow of the Royal Astronomical Society, a Fellow of the Geological Society, President of the Photographic Society of London from 1855 to 1869 and a Fellow of the Society of Antiquaries. He was Member of Parliament for Huntingdon from 1831 to 1844 and rose to become Attorney-General under Sir Robert Peel. He was Lord Chief Baron of the Court of Exchequer from 1844 to 1866 and created a Baronet in 1866. He died on 22 August 1870 and an obituary was published in the June 1871 issue of the *Proceedings of the Meteorological Society* (Volume 5, pages 365-366).

Captain (later Admiral) William Henry Smyth, RN (joined on 7 May 1850)

Smyth was born in Westminster on 21 January 1788 and went to sea at an early age, serving with distinction in both the merchant service and, later, the Royal Navy. He left the sea in November 1824 and thenceforth turned his attention to scientific and literary pursuits, particularly scientific writing. He was elected a Fellow of the Society of Antiquaries in 1821 and a Fellow of the Royal Society in 1826, later serving this society as a vice-president and Foreign Secretary. He was a founder of the Royal Geographical Society (in 1830), President of that Society in 1849-50, an early member of the Royal Astronomical Society (elected a Fellow in 1821) and President of that Society in 1845-46. He was also an honorary or corresponding member of many of the literary and scientific societies of Europe. He was a close friend of John Lee and the author of *Ædes Hartwellianæ or notices of the manor and mansion of Hartwell* (John Bowyers Nichols and Son, 1851), the definitive work on the history of Hartwell House and the meteorological and astronomical observatories which were a feature of it during Lee's ownership. He built and equipped an astronomical observatory at Bedford and helped Lee set up the meteorological and astronomical observatory at Hartwell House. He moved from Bedford to St John's Lodge, near Hartwell, about 1850 and died there on 9 September 1865.

Colonel William James Smythe, RA (joined on 8 October 1850)

Smythe was born in 1816 and joined the Royal Artillery when he was 17. He served in the Kaffir War of 1835 and later (1842-47) took charge of the observatory at Longwood on St Helena, carrying out magnetic and meteorological observations under the direction of Edward Sabine. From 12 January to 30 April 1861, he made magnetic and meteorological observations at Levuka, Fiji. After many years of service in Fiji and India, he retired to Glengormley (Co. Antrim), where he died in 1887. He was elected a Fellow of the Royal Society in 1864.

George Venables Vernon (joined on 7 May 1850)

Vernon was born on 7 October 1831 and died on 11 January 1878. An obituary was published in the 1879 volume of the *Quarterly Journal of the Meteorological Society* (Volume 5, page 122). He was a Member of the Manchester Literary and Philosophical Society (which he joined in 1861) and contributed to that society many papers and other communications, mainly on meteorological subjects and notably on wind direction and rainfall at Manchester. He served as a Member of the society's Council and was for several years Honorary Secretary of the society's Physical and Mathematical Section. He was also a Fellow of the Anthropological Society, a Member of the Scottish Meteorological Society and a Member of the Meteorological Society of France.

MEMBERS OF THE BRITISH METEOROLOGICAL SOCIETY WHO HAD PREVIOUSLY BELONGED TO A METEOROLOGICAL SOCIETY OF LONDON

The following who were members of the British Meteorological Society in 1851 were in 1842 members of the first Meteorological Society of London, that founded in 1823:

- **Thomas Dell**
- **Lord Robert Grosvenor** (who was President of the Meteorological Society of London from 1839 onwards)
- **Luke Howard** (who was an Honorary Member of the Meteorological Society of London)
- **Henry Lawson**
- **George Leach**
- **John Lee** (who was Treasurer of the Meteorological Society of London from 1839 to 1841 and a Vice-President in 1842)
- **Peter Legh**
- **James George Tatem** (whose letter to the *Monthly Magazine* in 1823 precipitated the formation of the Meteorological Society of London – for further information about the events of 1823, click [here](#))
- **David Tennant**

LOUIS PASCAL CASELLA was the only person who ever belonged to the British Meteorological Society, the Meteorological Society of London that was founded in 1823 and the Meteorological Society of London founded in 1848.

He joined the first Meteorological Society of London on 8 June 1841, the second Meteorological Society of London on 2 June 1848 and the British Meteorological Society on 15 January 1862. He was also a Fellow of the Royal Astronomical Society and a Fellow of the Royal Geographical Society. He was a founder member and Honorary Treasurer of the Meteorological Society that was founded in 1848. He was born in Edinburgh in 1809 and died in London on 23 April 1897. A short obituary was published in the 1898 volume of the *Quarterly Journal of the Royal Meteorological Society* (Volume 24, pages 99-100)

OFFICERS AND COUNCIL MEMBERS 1850-51

LIST OF OFFICERS.

PRESIDENT.

SAMUEL CHARLES WHITBREAD, Esq., F.R.A.S.

VICE-PRESIDENTS.

GENERAL SIR THOMAS M. BRISBANE, BART., K.C.B., F.R.S.

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LUKE HOWARD, Esq., F.R.S.

HASTINGS RUSSELL, Esq., M.P.

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JOHN LEE, Esq., LL.D., F.R.S., F.R.A.S.

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REV. SAMUEL KING, M.A., F.R.A.S.

GEORGE LEACH, Esq., F.Z.S.

EDWARD JOSEPH LOWE, Esq., F.R.A.S.

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REV. JOSEPH BANCROFT READE, M.A., F.R.S.

WILLIAM RUTTER, Esq., F.R.A.S.

THOMAS SHAPTER, M.D.

PROFESSOR JOHN STEVELLY, LL.D.

LIST OF MEMBERS
OF THE
BRITISH METEOROLOGICAL SOCIETY,

DECEMBER 31, 1850.

- 1850.
- Aug. 7. Aird, John, Esq. Dartmouth Villas, Lewisham.
- May 7. Atkinson, George Clayton, Esq. West Denton, Newcastle-on-Tyne.
- June 4. Barber, John T., Esq., B.A., F.R.A.S. Etwell, near Uttoxeter, Staffordshire.
- June 4. Barclay, Arthur Kett, Esq., F.R.A.S. Southwark; Bury Hill, Dorking.
- May 7. Barker, Thomas Herbert, Esq., M.D. Bedford.
- May 7. Barrow, Henry, Esq. 26 Oxenden Street, Haymarket; Charlton Cottage, Charlton.
- June 4. Bell, William, Esq., C.E. Clift Cottage, Coronation Road, Bristol.
- May 7. Bennett, John, Esq., F.R.A.S. 65 Cheapside.
- Aug. 7. Bennett, George, Esq. Tranquil Vale, Blackheath.
- Nov. 12. Bishop, George, Esq., F.R.S., F.R.A.S. Regent's Park.
- June 4. Blackwell, Thomas E., Esq. Foxhangers, Chippenham.
- May 7. Blackwood, Captain Francis, R.N., F.R.A.S. H. M. S. Victory, Portsmouth.
- May 7. Bloomfield, William Arnold, Esq., M.D. Ryde, Isle of Wight.
- June 4. Blyth, William James, Esq. Western Coast of Africa.
- June 4. Brady, Antonio, Esq. Admiralty, Somerset House.
- May 7. Brisbane, General Sir Thomas Makdougall, Bart., K.C.B., G.C.H. &c. *Vice-President*. Makerstoun, Roxburghshire.
- June 4. Braithwaite, Rev. Thomas, M.A. Stevelly, near Chesterford.
- Nov. 12. Brayley, E. W., Jun., Esq., F.L.S., F.G.S. London Institution, Finsbury Circus.
- Aug. 7. Brooke, Charles, Esq., F.R.S. 29 Keppel Street, Russell Square.
- May 7. Brooke, William, Esq., F.R.A.S. Grey Friars Priory, Norwich.
- June 4. Brown, Isaac, Esq. Ackworth, Wakefield.
- May 7. Bulard, Charles, Esq. Midhurst, Sussex.
- June 4. Burne, Joseph, Esq. Fore Street Hill, Exeter.
- May 7. Byron, Lady Noel. Belle-Vue, Southampton.
- May 7. Calmont. R. M., Esq. 30 Eaton Square.
- May 7. Carrington, R. C., Esq., F.R.A.S. Observatory, Durham.
- May 7. Charnock, Charles, Esq. Holmfield House, Ferry Bridge, near Leeds.
- May 7. Chevallier, Prof. Temple, Esq., B.D., F.R.A.S. University, Durham.
- June 4. Clark, Rev. Samuel, M.A. Saint Mark's College, Chelsea.

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- June 4. Davis, A. W., Esq. Presteign, South Wales.
 May 7. Davis, John, Esq. Derby.
 May 7. Dell, Thomas, Esq., F.R.A.S. Aylesbury.
 June 4. Dilke, Charles Wentworth, Esq. 76 Sloane Street.
 Nov.12. Dollond, George, Esq., F.R.S., F.R.A.S. North Terrace, Camberwell.
 May 7. Drach, Solomon M., Esq., F.R.A.S. 23 Walpole Street, Chelsea.
 Apr. 3. Drew, John, Esq., F.R.A.S. Cumberland Terrace, Southampton.
 May 7. Dymond, William Phillips, Esq. 14 Belgrave Street, Argyle Square.
 May 7. Dymond, Robert, Esq. Southernhey, Exeter.
 May 7. Dobie, William, Esq. Hosely, Gresford, Chester.
 Apr. 3. Dovers, Miss Gertrude. Lymington, Hampshire.
- Apr. 3. Fasel, Vincent, Esq. Stone, near Aylesbury.
 June 4. Farr, William, Esq., F.S.A. Statistical Office, General Register Office, Somerset House.
 May 7. Filliter, Edward, Esq., C.E. Old Ford, Bow.
 June 4. Fisher, Rev. George, F.R.S., F.R.A.S. Royal Naval School, Greenwich.
 May 7. Fletcher, Isaac, Esq., F.R.A.S. Tarn Bank Observatory, Coker-mouth.
 Sept.17. Fryer, John Astly, Esq. Holbrook, near Trowbridge, Wiltshire.
- May 7. Gill, William, Esq., M.D. Castlegate, Nottingham.
 Apr. 3. Glaisher, James, Esq., F.R.S., F.R.A.S. *Secretary*. 13 Dartmouth Terrace, Lewisham.
 May 7. Grace, Oliver James, Esq. Stone, near Aylesbury.
 May 7. Graham, John, Esq. High Road, Darlington.
 May 7. Grosvenor, Lord Robert, M.P., *Vice-President*. 107 Park Street, Grosvenor Square.
 Aug. 7. Guest, Sir John. 8 Spring Gardens.
- May 7. Hailey, Hammell, Esq. Newport Pagnel.
 May 7. Hardy, Lieut. Robert W. H., R.N., F.R.A.S. Kilkenny House, Bath.
 May 7. Hartshorne, Rev. J., M.A. Cogenhoe, Northampton.
 Dec.10. Hill, Rev. James, A.M., F.R.A.S. Head Master, Upper School, Royal Hospital, Greenwich.
 June 4. Hind, John Russel, Esq., F.R.A.S. 22 Grove Road, St. John's Wood.
 May 7. Hippisley, John, Esq., F.R.A.S. Stone-Easton, near Bath.
 May 7. Homersham, Samuel Collett, Esq., C.E. 19 Buckingham Street, Adelphi.
- May 7. Hoskins, Elliott, Esq., M.D., F.R.S. Guernsey.
 May 7. Howard, Luke, Esq., F.R.S., *Vice-President*. Ackworth Villa, Pontefract, Yorkshire.
 Dec.10. Hopkins, Alderman, Esq. Manchester.
 May 7. Hunt, Zachariah D., Esq., F.G.S. Aylesbury.
- Dec.10. James, Henry, Capt. R.E., F.R.S. Ordnance Office, Pall Mall.
 May 7. Jeans, James William, Esq., M.D., F.R.A.S. Grantham, Lincolnshire.
- May 7. Jerwood, James, Esq., M.A., F.G.S. 9 Dix's Fields, Exeter.
 Apr. 4. Johnson, William, Esq. Thame, near Oxford.
- Apr. 3. King, Rev. Samuel, M.A., F.R.A.S. Bulwark House, St. Aubin's, Jersey.

1850.

- May 7. Lawson, Henry, Esq., F.R.S., F.R.A.S. Lansdown Crescent, Bath.
 May 7. Lawson, Mrs. Lansdown Crescent, Bath.
 May 7. Laxton, William F., Esq., F.S.A. 10 Fludyer Street, Whitehall.
 Apr. 3. Lee, John, Esq., LL.D., F.R.S., *Treasurer*. Hartwell House, Aylesbury, and 5 College, Doctors' Commons.
 Apr. 4. Lee, Mrs. 5 College, Doctors' Commons.
 May 7. Leeson, William Henry, Esq. Castle Donington, Leicestershire.
 May 7. Leach, George, Esq., F.Z.S. 16 Marlborough Place, St. John's Wood.
 May 7. Legh, Peter, Esq., F.R.A.S. Norbury Booth's Hall, Cheshire.
 June 4. Liverpool, Lord. Fife House, Whitehall.
 May 7. Lloyd, Rev. C. A. A., M.A. Whittington, near Oswestry.
 May 7. Lobb, Joseph, Esq. Southampton.
 June 4. Long, J. W., Esq., F.R.A.S. Manchester.
 May 7. Lovelace, Countess of. 6 Great Cumberland Place, Hyde Park.
 May 7. Lowe, Alfred, Esq. Highfield House, near Nottingham.
 May 7. Lowe, A. S. H., Esq. Highfield House, near Nottingham.
 Apr. 3. Lowe, Edward Joseph, Esq., F.R.A.S. Villa Beeston, Nottingham.
 Apr. 3. Lowndes, Rev. Charles, M.A., F.R.A.S. Hartwell, Aylesbury.
 Apr. 4. Lowndes, Mrs. Hartwell, Aylesbury.

 Dec. 10. Martin, Thomas, Esq. Reigate.
 May 7. Maclaren, Mr. John. Observer to S. C. Whitbread, Esq., Cardington.
 May 7. Miller, John Fletcher, Esq., F.R.S., F.R.A.S. Whitehaven.
 May 7. Milner, Walter Ralph, Esq. Wakefield Prison.
 May 7. Moffat, Thomas, Esq., M.D., F.R.A.S. Hawarden, near Chester.
 May 7. Monk, Lieut. John, R.N. Neston, Cheshire.
 Oct. 8. Morgan, John, Esq. King's School, Sherborne, Dorsetshire.
 June 4. Murray, Sir William Keith, Bart. Stonehaven.

 May 7. Newall, R., Esq. Gateshead.
 June 4. Newman, W. L., Esq., F.R.A.S. 2 St. Helen's Square, York.
 June 4. Newton, William, Esq., Jun. Redford.
 Nov. 12. Northampton, Marquis of. Castle Ashby, Northamptonshire.

 May 7. Osborn, John, Esq., Jun. Linslade, near Leighton Buzzard.
 June 4. Ouvry, Rev. P. J. Wing, Buckinghamshire.

 May 7. Pardy, Charles, Esq. King's College, and 11 Bridge Street, Westminster.
 May 7. Paul, William Bond, Esq. Langport, Somersetshire.
 June 4. Perigal, Henry, Esq., F.R.A.S. 5 Smith Street, Chelsea.
 Philips, Commander G., R.N. (Hon. Mem.). North Pole.
 May 7. Prince, Charles Leeson, Esq. Uckfield, Sussex.
 May 7. Pursey, T., Esq. East Retford, Nottingham.

 Aug. 7. Quick, Joseph, Esq. Dartmouth Villas, Lewisham.

 Apr. 3. Reade, Rev. Joseph Bancroft, F.R.S. Stone Vicarage, near Aylesbury.
 Aug. 7. Reynolds, William, Esq., M.D. Mold, near Chester.
 Ross, Capt. Sir John, R.N. (Hon. Mem.). North Pole.
 May 7. Russell, Hastings, Esq., M.P., *Vice-President*. 8 Eaton Place West.
 Apr. 3. Rutter, William, Esq., F.R.A.S., *Librarian*. 5 Hare Court, Temple.
 Aug. 7. Rutter, J. O. N., Esq., F.R.A.S. Blackrock, Brighton.

- 1850.
- June 4. Ryley, E., Esq. Westbourne Park Place.
- May 7. Salter, T. Bell, Esq., M.D. Ryde, Isle of Wight.
- Sept. 7. Sewell, T. K., Esq. Carrington, near Nottingham.
- May 7. Shapter, T., Esq., M.D. Exeter.
- May 7. Shellabear, Samuel, Esq. Holkham, Norfolk.
- May 7. Sidebotham, Joseph, Esq. 19 George Street, Manchester.
- Aug. 7. Simms, William, Esq., F.R.A.S. Carshalton, and Fleet Street.
- May 7. Slate, David, Esq. Brewery, Chiswell Street, London.
- Apr. 4. Slatter, Rev. John, M.A., F.R.A.S. Rose Hill Cottage, near Oxford.
- May 7. Smyth, Capt. W. H., R.N., F.R.S., F.R.A.S. &c. 3 Cheyne Walk, Chelsea.
- Oct. 8. Smythe, Capt. William, R.A. Woolwich.
- May 7. Stevelly, Professor John, Esq., LL.D. Queen's College, Belfast.
- Apr. 4. Stowe, William, Esq. Buckingham.
- June 4. Swann, Rev. S. Kirke. Castle Donington, near Derby.
- May 7. Symonds, Frederick, Esq. 32 Beaumont Street, Oxford.
- May 7. Tatem, James George, Esq. Eldon Square, Reading.
- May 7. Taylor, Richard, Esq., F.R.A.S. Red Lion Court, Fleet Street.
- June 4. Tennant, David, Esq. Dunino, St. Andrews.
- June 4. Thomson, R. Dundas, Esq., M.D., F.R.S.E. College, Glasgow.
- June 4. Todd, Charles, Esq. Observatory, Cambridge.
- June 4. Thomson, Frederick, Esq. 33 Kensington Square.
- June 4. Tudor, Edward Owen, Esq. 46 Westbourne Terrace, Hyde Park.
- May 4. Vernon, George Venables, Esq. 33 Rumford Street, Charlton-on-Medlock, Manchester.
- June 4. Walker, Charles V., Esq. Primrose Hill, Tonbridge.
- May 7. Watson, Samuel, Esq. Villa Beeston, Nottingham.
- May 7. Weld, Rev. Alfred, F.R.A.S. Stonyhurst, Blackburn, East Lancashire.
- Apr. 3. Whitbread, Samuel Charles, Esq., F.R.A.S., *President*. Cardington, near Bedford, and 22 Eaton Place, London.
- May 7. Wickstead, Thomas, Esq., C.E. Old Ford, Bow.
- May 7. Wilkinson, Robert, Esq. Totteridge Park, Herts.
- Sept. 17. Wilson, John, Esq. Principal of Royal Agricultural College, Cirencester.
- May 7. Winstanley, William, Esq. Chaigley Manor, Clithero, and West Cliff, Preston.
- Nov. 12. Wright, Thomas Barber, Esq. Birmingham.

LIST OF MEMBERS
OF THE
BRITISH METEOROLOGICAL SOCIETY.

DECEMBER 31, 1851.

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1850. Aug. 7. Aird, John, Esq. Dartmouth Villas, Lewisham.
 1850. May 7. Atkinson, G. Clayton, Esq. West Denton, Newcastle-on-Tyne.
1850. June 4. Barber, John T., Esq., B.A., F.R.A.S. Etwell, near Uttoxeter, Staffordshire.
 1850. June 4. Barclay, Arthur Kett, Esq., F.R.A.S. Southwark; Bury Hill, Dorking.
 1850. May 7. Barker, Thomas Herbert, Esq., M.D. Bedford.
 1851. Dec. 22. Barker, Walter P., Esq. Worthing.
 1850. May 7. Barrow, Henry, Esq. 26 Oxenden Street, Haymarket; 5 Edith Grove, West Brompton.
 1851. Feb. 11. Beardmore, Nathaniel, Esq., C.E. 13 Great College Street, Westminster.
 1851. Apr. 22. Beattie, Rev. H., M.A. National Society's Training Institution, 11 Manchester Buildings, Westminster.
 1850. June 4. Bell, Wm., Esq., C.E. Clift Cottage, Coronation Road, Bristol.
 1851. Mar. 11. Belville, J. H., Esq. 9 Hyde Vale, Greenwich.
 1850. May 7. Bennett, John, Esq., F.R.A.S. 65 Cheapside.
 1850. Aug. 7. Bennett, George, Esq. Tranquil Vale, Blackheath.
 1850. Nov. 12. Bishop, George, Esq., F.R.S., F.R.A.S. Regent's Park.
 1850. June 4. Blackwell, Thomas E., Esq. Imperial Chambers, Corn-Street, Bristol.
 1850. May 7. Blackwood, Captain Francis, R.N., F.R.A.S. H.M.S. Victory, Portsmouth.
 1851. Feb. 11. Bloxam, J. C., Esq. Newport, Isle of Wight.
 1850. June 4. Blyth, William James, Esq. Western Coast of Africa.
 1851. Dec. 22. Bowerbank, J. S., Esq., F.R.S. Highbury Grove.
 1850. June 4. Brady, Antonio, Esq. Admiralty, Somerset House.
 1851. Oct. 28. Brewster, Sir David, F.R.S.L. & E. Principal of St. Leonard's College, St. Andrews.
 1850. May 7. Brisbane, General Sir Thomas Makdougall, Bart., K.C.B., G.C.H. &c. *Vice-President*. Makerstoun, Roxburghshire.
 1850. Nov. 12. Brayley, E. W., Jun., Esq., F.L.S., F.G.S. London Institution, Finsbury Circus.
 1850. Aug. 7. Brooke, Charles, Esq., F.R.S. 29 Keppel Street, Russell Sq.
 1850. May 7. Brooke, William, Esq., F.R.A.S. Grey Friars Priory, Norwich.
 1850. June 4. Brown, Isaac, Esq. Ackworth, Wakefield.
 1850. May 7. Bulard, Charles, Esq. Cowes, Isle of Wight.
 1850. June 4. Burne, Joseph, Esq. Fore Street Hill, Exeter.
 1850. May 7. Byron, Lady Noel. Belle-Vue, Southampton.
 1851. Aug. 26. Burns, Gilbert. Knockmaroon Lodge, Dublin.
1850. May 7. Calmont, R.M., Esq. 30 Eaton Square.
 1851. Apr. 22. Campbell, J. R., Esq., M.A. Royal Naval Schools, Greenwich.
 1850. May 7. Carrington, R. C., Esq., F.R.A.S. Observatory, Durham.
 1850. May 7. Charnock, C., Esq. Holmfield House, Ferry Bridge, near Leeds.

1850. May 7. Chevallier, Rev. Prof. Temple, B.D., F.R.A.S. University, Durham.
1850. June 4. Clark, Rev. Samuel, M.A. National Society's Training College, Battersea.
1851. Oct. 28. Cole, F., Esq. 8 Bishopsgate Street Within.
1850. May 7. Davis, John, Esq. Derby.
1850. May 7. Dell, Thomas, Esq., F.R.A.S. Aylesbury.
1850. June 4. Dilke, Charles Wentworth, Esq. 76 Sloane Street.
1850. May 7. Dobie, William, Esq. Hosely, Gresford, Chester.
1850. Nov. 12. Dollond, G., Esq., F.R.S., F.R.A.S. North Terrace, Camberwell.
1850. May 7. Drach, Solomon M., Esq., F.R.A.S. 23 Walpole Street, Chelsea.
1850. Apr. 3. Drew, John, Esq., F.R.A.S. Cumberland Ter., Southampton.
1851. Feb. 11. Duncan, Erskin, Esq. Lerwick; Zetland.
1850. May 7. Dymond, William Philip, Esq. 14 Belgrave Street, Argyle Square.
1850. May 7. Dymond, Robert, Esq. Southernhay, Exeter.
1851. Jan. 14. Dyson, T., Esq. Gainsborough.
1851. Aug. 26. Ellis, W. H., Esq. Exeter.
1850. June 4. Farr, William, Esq., F.S.A. Statistical Office, General Register Office, Somerset House.
1850. May 7. Filliter, Edward, Esq., C.E. Old Ford, Bow.
1850. June 4. Fisher, Rev. George, F.R.S., F.R.A.S. Royal Naval Schools, Greenwich.
1850. May 7. Fletcher, Isaac, Esq., F.R.A.S. Tarn Bank Observatory, Cockermouth.
1850. Sept. 17. Fryer, John Astly, Esq. Holbrook, near Trowbridge, Wiltshire.
1851. Mar. 25. Fergusson, E. F. T., Lieut. I.N., F.R.A.S., Director of the Observatory, Bombay.
1850. May 7. Gill, William, Esq., M.D. Castlegate, Nottingham.
1850. Apr. 3. Glaisher, James, Esq., F.R.S., F.R.A.S. *Secretary*. 13 Dartmouth Terrace, Lewisham.
1850. May 7. Grace, Oliver James, Esq. Stone, near Aylesbury.
1850. May 7. Graham, John, Esq. Prebend Row, Darlington.
1851. Mar. 11. Greaves, Charles, Esq., C.E. Old Ford.
1850. May 7. Grosvenor, Lord Robert, M.P., *Vice-President*. 107 Park Street, Grosvenor Square.
1850. Aug. 7. Guest, Sir Josiah John, Bart., F.R.S. 8 Spring Gardens.
1850. May 7. Hailey, Hammell, Esq. Newport Pagnel.
1850. May 7. Hardy, Lieut. R. W. H., R.N., F.R.A.S. Kilkenny House, Bath.
1850. Dec. 10. Hill, Rev. James, A.M., F.R.A.S. Head Master, Upper School, Royal Hospital, Greenwich.
1850. June 4. Hind, John R., Esq., F.R.A.S. 22 Grove Road, St. John's Wood.
1850. May 7. Hippisley, John, Esq., F.R.A.S. Stone-Easton, near Bath.
1850. May 7. Homersham, S. C., Esq., C.E. 19 Buckingham St., Adelphi.
1850. May 7. Hoskins, Samuel Elliott, Esq., M.D., F.R.S. Guernsey.
1850. May 7. Howard, Luke, Esq., F.R.S., *Vice-President*. Ackworth Villa, Pontefract, Yorkshire.
1850. Dec. 10. Hopkins, Alderman, Esq. Manchester.
1850. May 7. Hunt, Zachariah D., Esq., F.G.S. Aylesbury.
1850. Dec. 10. James, Henry, Capt. R.E., F.R.S. Ordnance Office, Pall Mall.
1850. May 7. Jeans, J. W., Esq., M.D., F.R.A.S. Grantham, Lincolnshire.
1850. May 7. Jerwood, James, Esq., M.A., F.G.S. 9 Dix's Fields, Exeter.
1850. Apr. 4. Johnson, William, Esq. Thame, near Oxford.
1851. Feb. 11. Johnson, H., Esq., M.D. Shrewsbury.

1850. Apr. 3. King, Rev. Samuel, M.A., F.R.A.S. Bulwark House, St. Aubin's, Jersey.
1851. Nov. 25. Knapping, Dale, Esq. Sutton, South Shoebury, Essex.
1851. Apr. 22. Lambe, L. W., Esq. Henwood Delwyn, Leominster.
1850. May 7. Lawson, H., Esq., F.R.S., F.R.A.S. Lansdown Crescent, Bath.
1850. May 7. Lawson, Mrs. Lansdown Crescent, Bath.
1850. Apr. 3. Lee, John, Esq., LL.D., F.R.S., *Treasurer*. Hartwell House, Aylesbury, and 5 College, Doctors' Commons.
1850. Apr. 4. Lee, Mrs. 5 College, Doctors' Commons.
1850. May 7. Leeson, William H., Esq. Castle Donington, Leicestershire.
1850. May 7. Leach, George, Esq., F.Z.S. 16 Marlborough Place, St. John's Wood.
1851. May 27. Legard, Capt. James A., R.N. Lenton Hall, near Nottingham.
1850. May 7. Legh, Peter, Esq., F.R.A.S. Norbury Booth's Hall, Cheshire.
1850. May 7. Lloyd, Rev. C. A. A., M.A. Whittington, near Oswestry.
1850. May 7. Lobb, Joseph, Esq. Southampton.
1850. June 4. Long, J. W., Esq., F.R.A.S. Manchester.
1850. May 7. Lovelace, Countess of. 6 Great Cumberland Place, Hyde Park.
1850. May 7. Lowe, Alfred, Esq. Highfield House, near Nottingham.
1850. May 7. Lowe, A. S. H., Esq. Highfield House, near Nottingham.
1850. Apr. 3. Lowe, Edward Joseph, Esq., F.R.A.S. Observatory, Beeston, Nottingham.
1850. Apr. 3. Lowndes, Rev. Charles, M.A., F.R.A.S. Hartwell, Aylesbury.
1850. Apr. 4. Lowndes, Mrs. Hartwell, Aylesbury.
1850. Dec. 10. Martin, Thomas, Esq. Reigate.
1850. May 7. Maclaren, Mr. John. Observer to S. C. Whitbread, Esq. Cardington.
1851. May 27. Mathieu, M. Observatory, Paris. (Hon. Mem.)
1851. Mar. 11. Matthew, John, Esq. 19 Valentine Terrace, Blackheath Road, Greenwich.
1850. May 7. Miller, John Fletcher, Esq., F.R.S., F.R.A.S. Whitehaven.
1850. May 7. Milner, Walter Ralph, Esq. Wakefield Prison.
1850. May 7. Moffat, T., Esq., M.D., F.R.A.S. Hawarden, near Chester.
1850. May 7. Monk, Lieut. John, R.N. Neston, Cheshire.
1850. Oct. 8. Morgan, John, Esq. King's School, Sherborne, Dorsetshire.
1850. June 4. Murray, Sir William Keith, Bart. Stonehaven.
1850. May 7. Newall, R., Esq. Gateshead.
1850. June 4. Newman, W. L., Esq., F.R.A.S. 2 St. Helen's Square, York.
1850. June 4. Newton, William, Esq., Jun. Redford.
1850. May 7. Osborn, John, Esq., Jun. Linslade, near Leighton Buzzard.
1850. June 4. Ouvry, Rev. P. J. Wing, Buckinghamshire.
1851. May 27. Paget, Charles, Esq. Ruddington Grange, near Nottingham.
1850. May 7. Pardy, Charles, Esq. King's College, and 11 Bridge Street, Westminster.
1850. May 7. Paul, William Bond, Esq. Langport, Somersetshire.
1850. June 4. Perigal, Henry, Esq., F.R.A.S. 5 Smith Street, Chelsea.
1850. May 7. Philips, Commander G., R.N. (Hon. Memr.) North Pole.
1851. Jan. 14. Power, Rev. Bath. Norwich.
1851. May 27. Pollock, Sir F., the Chief Baron, F.R.S. Hatton, Hounslow.
1851. Nov. 25. Pollock, Henry, Esq. 52 Davies Street, Berkley Square, and Hatton, Hounslow.
1850. May 7. Prince, Charles Leeson, Esq. Uckfield, Sussex.
1850. May 7. Pursey, T., Esq. East Retford, Nottingham.
1851. May 27. Quetelet, Professor A. Brussels. (Hon. Mem.)
1850. Aug. 7. Quick, Joseph, Esq. Dartmouth Villas, Lewisham.

1850. Apr. 3. Reade, Rev. Joseph Bancroft, F.R.S. Stone Vicarage, near Aylesbury.
1851. Dec. 22. Reid, Rev. W. South Mimms, Barnet.
1850. Aug. 7. Reynolds, William, Esq., M.D. Mold, near Chester.
1850. May 7. Ross, Capt. Sir John, R.N. (Hon. Mem.) West Castle, Stranraer, Scotland.
1850. May 7. Russell, Hastings, Esq., M.P., *Vice-President*. 8 Eaton Place West.
1851. June 24. Russell, Robert, Esq. Kilwhip by Cupar.
1850. Apr. 3. Rutter, William, Esq., F.R.A.S., *Librarian*. 5 Hare Court, Temple.
1850. Aug. 7. Rutter, J. O. N., Esq., F.R.A.S. Blackrock, Brighton.
1850. June 4. Ryley, E., Esq. Westbourne Park Place.
1850. May 7. Salter, T. Bell, Esq., M.D. Ryde, Isle of Wight.
1851. May 27. Seguier, Baron. Paris. (Hon. Mem.)
1850. Sept. 7. Sewell, T. K., Esq. Carrington, near Nottingham.
1850. May 7. Shapter, T., Esq., M.D. Exeter.
1850. May 7. Shellabear, Samuel, Esq. Holkham, Norfolk.
1850. May 7. Sidebotham, Joseph, Esq. 19 George Street, Manchester.
1850. Aug. 7. Simms, William, Esq., F.R.A.S. Carshalton, and Fleet Street.
1851. May 27. Simpson, James, Esq., C.E. 30 Great George St., Westminster.
1850. May 7. Slate, David, Esq. Brewery, Chiswell Street, London.
1850. Apr. 4. Slatter, Rev. John, M.A., F.R.A.S. Rose Hill Cottage, near Oxford.
1851. May 27. Smith, John, Esq. Royal Naval Schools, Greenwich.
1851. Jan. 14. Smith, George, Esq. 6 Old Hall Street, Liverpool.
1850. May 7. Smyth, Capt. W. H., R.N., F.R.S., F.R.A.S. &c. Hartwell, Bucks.
1850. Oct. 8. Smythe, Capt. William, R.A. Woolwich.
1850. May 7. Stevelly, Professor John, Esq., LL.D. Queen's Coll., Belfast.
1850. Apr. 4. Stowe, William, Esq. Buckingham.
1850. June 4. Swann, Rev. S. Kirke. Castle Donington, near Derby.
1850. May 7. Symonds, Frederick, Esq. 32 Beaumont Street, Oxford.
1850. May 7. Tatem, James George, Esq. Eldon Square, Reading.
1850. May 7. Taylor, Richard, Esq., F.R.A.S. Red Lion Court, Fleet Street.
1850. June 4. Tennant, David, Esq. Dunino, St. Andrews.
1850. June 4. Thomson, R. Dundas, Esq., M.D., F.R.S.E. College, Glasgow.
1850. June 4. Todd, Charles, Esq. Observatory, Cambridge.
1850. June 4. Thomson, Frederick, Esq. 33 Kensington Square.
1850. June 4. Tudor, E. Owen, Esq. 46 Westbourne Terrace, Hyde Park.
1850. May 4. Vernon, George Venables, Esq. Osborne Place, Stratford New Road, Manchester.
1850. June 4. Walker, Charles V., Esq. Badyke, Tonbridge.
1850. May 7. Watson, Samuel, Esq. Villa Beeston, Nottingham.
1850. May 7. Weld, Rev. Alfred, F.R.A.S. St. Beunos College, St. Asaph, North Wales.
1850. Apr. 3. Whitbread, Samuel Charles, Esq., F.R.A.S., *President*. Car-dington, near Bedford, and 22 Eaton Place, London.
1851. Jan. 14. White, Joseph, Esq. General Hospital, Nottingham.
1850. May 7. Wickstead, T., Esq., C.E. 40 Coleman Street, and Carshalton.
1850. May 7. Wilkinson, Robert, Esq. Totteridge Park, Herts.
1850. Sept. 17. Wilson, John, Esq. Museum of Practical Geology, Jermyn St.
1850. May 7. Winstanley, William, Esq. Chaigley Manor, Clithero, and West Cliff, Preston.
1851. Feb. 11. Wortham, Hale, Esq. Royston, Herts.
1850. Nov. 12. Wright, Thomas Barber, Esq. Birmingham.