

CHARLES DARWIN

A New Life

JOHN BOWLBY



W·W·NORTON & COMPANY

New York London

(1990)

Who's Who

- AGASSIZ, Jean Louis Rodolphe (1807–73) Swiss geologist and zoologist. Professor of Natural History, Neuchâtel, 1832–46. Emigrated to the United States in 1846. Professor of zoology and geology, Harvard University, 1847–73. Criticised Darwin's theories as 'unscientific' and 'mischievous'.
- ALLEN, Catherine (1765–1830). Emma's aunt, second daughter of John Bartlett Allen. Married Sir James Mackintosh as his second wife in 1798.
- ALLEN, Frances (Fanny) (1781–1875). Emma's aunt, youngest daughter of John Bartlett Allen, unmarried.
- ALLEN, Jessie (1777–1853). Emma's aunt, sixth daughter of John Bartlett Allen, married Jean Charles Leonard Simonde de Sismondi in 1819.
- BAER, Karl Ernst von (1792–1876). Anatomist and embryologist. Professor at Königsburg University, 1817–1834. Active member of the Academy of Sciences in St Petersburg, 1834–67. Accepted Darwin's views on evolution with some reservations.
- BASKET, Fuegia (1821–93?) A Fuegian girl brought to England in 1830 by Robert FitzRoy. In 1833 was returned to Tierra del Fuego in the *Beagle*. Married York Minster.
- BATES, Henry Walter (1825–92). Naturalist and traveller. Author of *The Naturalist on the river Amazons*, 1863, highly regarded by Darwin. Assistant Secretary, Royal Geographical Society, 1864–92. FRS, 1881.
- BEAUFORT, Francis (1774–1857). Naval officer; retired as Rear-Admiral in 1846. Hydrographer to the Navy, 1832–55, and organised *Beagle* voyage. Recommended Darwin to FitzRoy. FRS, 1814.

- BELL, Thomas (1792–1880). Dental surgeon at Guy's Hospital, 1817–61. Professor of Zoology at King's College, London, 1836; President, Linnean Society, 1853–61; described the reptiles from the *Beagle* voyage. FRS, 1828.
- BENCE JONES, Henry (1814–73). London physician, attended Darwin in September 1865–.
- BENTLEY, Thomas (1730–80). Liverpool businessman who became friend and partner of Josiah Wedgwood I from 1768.
- BOAT MEMORY (d. 1830). A Fuegian man brought to England in 1830 by Robert FitzRoy, Died of smallpox in Plymouth.
- BOULTON, Matthew (1728–1809). Metal manufacturer in Birmingham; joined by James Watt and founded firm of Boulton & Watt in 1773. Member of Lunar Society.
- BRIGGS, Mark. Darwin family coachman at The Mount, Shrewsbury.
- BRINDLEY, James (1716–72). Civil-engineer; surveyed and built the Grand Trunk canal linking the Mersey and Trent rivers. Member of Lunar Society.
- BRODIE, Jessie (d. 1873). The Darwin children's nurse at 12 Upper Gower Street and Down House, 1842–51. Left after Annie Darwin's death.
- BROWN, Robert (1773–1858). Botanist. Librarian to Joseph Banks, 1810–20. Keeper of the botanical collections, British Museum, 1827–58. Described plants brought back from the first voyage of the *Beagle*. FRS, 1810.
- BUNBURY, Charles James Fox, 8th Baronet (1809–86). Amateur botanist. Collected plants in South America, 1833–4; South Africa 1838–9. Married Frances Horner, Charles Lyell's sister-in-law, in 1844. FRS, 1851.
- BUTLER, Reverend Samuel, I (1774–1839). Headmaster of Shrewsbury School, 1798–1836, while Darwin was there. Bishop of Lichfield and Coventry, 1836–9.
- BUTLER, Samuel, II (1835–1902). Son of Revd Thomas Butler (1806–86), who was Darwin's contemporary at Cambridge, and grandson of Revd Samuel Butler I. Author and controversialist: *Evolution Old and New*, 1879; *Unconscious Memory*, 1880.
- BUTTON, Jemmy. One of the Fuegians Robert FitzRoy brought to England in 1830 and returned to Tierra del Fuego in 1833.
- BYERLEY, Thomas (1747–1810). Nephew, assistant and, from 1790, partner of Josiah Wedgwood I.

- BYNOE, Benjamin (1804–65). Naval surgeon, 1825–63. Assistant surgeon in the *Beagle*, 1832–7; treated Darwin during his illness at Valparaiso.
- CANDOLLE, Alphonse de (1806–93). Professor of Natural History and director of the botanic gardens, Geneva, 1835–50. Author of *Géographie botanique raisonnée*, 1855. Foreign member, Royal Society, 1869.
- CARLYE, Thomas (1795–1881). Essayist and historian; close friend of Darwin's brother Ras and of Emma's brother, Hensleigh Wedgwood.
- CARUS, Julius Victor (1823–1903). German zoologist. Professor of Comparative Anatomy, Leipzig, 1853. Translated Darwin's works into German.
- CHAFFERS, Edward Main. Master of the *Beagle* during Darwin's voyage.
- CHAMBERS, Robert (1802–71). Publisher, writer and amateur geologist. Anonymous author of *Vestiges of the Natural History of Creation*, 1844.
- CHAPMAN, John (1822–94). Physician; MD, St Andrews, 1857. Advocated the application of an ice-bag to the spine as a remedy and treated Darwin in 1865.
- CLARK, Andrew (1826–93). Fashionable London physician. Attended Darwin in 1873 and again in 1881 and 1882. Baronet, 1883; FRS, 1885.
- CLIFT, William (1775–1849). Naturalist, curator of the Hunterian Museum at the Royal College of Surgeons, 1793–1844; identified South American fossils found by Darwin. FRS, 1823.
- COLDSTREAM, John (1806–63). MD, Edinburgh, 1827. Practitioner in Leith, 1829–47. Friend of Darwin at Edinburgh University.
- COOK, James (1728–79). Naval officer and distinguished navigator. Circumnavigated the world, 1768–71 and 1772–5. FRS, 1776.
- CORFIELD, Richard Henry (1804–97). Darwin's contemporary at Shrewsbury School, 1818–19. Darwin stayed at his house in Valparaiso in 1834 and 1835.
- COVINGTON, Syms (1816?–61). Darwin's servant in the *Beagle* from 1833; remained with him as assistant, secretary and servant until 1839, when he emigrated to Australia.
- CUVIER, Georges (1769–1832). French systematist, comparative anatomist, palaeontologist and administrator. Foreign member, Royal Society, 1806.
- DANA, James Dwight (1813–95). American geologist and zoologist.

- Naturalist with the United States Exploring Expedition to the Pacific, 1838–42. Professor of Geology, Yale University, 1856–90. Foreign Member, Royal Society, 1884.
- DARWIN, Anne Elizabeth (Annie) (1841–51). Darwin's eldest daughter, whose death was a tragic blow to her parents.
- DARWIN, Bernard Richard Meirion (1876–1961). Son of Francis Darwin and grandson of Charles and Emma; essayist; golf correspondent of *The Times*, 1908–53.
- DARWIN, Caroline Sarah (1800–88). The second of Charles's elder sisters. Married Josiah Wedgwood III (Joe) in 1837.
- DARWIN, Charles I (1758–78). Eldest son of Erasmus I and uncle of Charles of the *Origin*. Medical student at Edinburgh. Died of acute infection.
- DARWIN, Elizabeth (Bessy) (1847–1926). Darwin's fourth and youngest daughter, unmarried and lived at home.
- DARWIN, (Emily) Catherine (1810–66). Darwin's younger sister. Married Reverend Charles Langton as his second wife in 1863.
- DARWIN, Emma (1808–96). Youngest daughter of Bessy and Josiah Wedgwood II of Maer Hall. Married Charles Darwin, her first cousin, in 1839.
- DARWIN, Erasmus I (1731–1802). Charles Darwin's grandfather. Physician, naturalist and poet; proposed an evolutionary theory similar to that later expounded by Lamarck. Member of Lunar Society. FRS, 1761.
- DARWIN, Erasmus II (1759–99). Second son of Erasmus I and uncle of Charles of the *Origin*; lawyer, committed suicide.
- DARWIN, Erasmus Alvey (Ras) (1804–81). Charles Darwin's elder brother. Attended Shrewsbury School, 1815–22, Christ's College, Cambridge, 1822–5, and Edinburgh University, 1825–26. Qualified MB Cambridge but never practised. Lived a leisured life in London from 1829. A close friend of Hensleigh Wedgwood, Thomas Carlyle and Harriet Martineau. Unmarried.
- DARWIN, Francis (1848–1925). Charles Darwin's third son. Trinity College, Cambridge. Collaborated with his father on several botanical projects, 1875–82. Lecturer in botany, Cambridge University, 1884; Reader, 1888–1904. Compiled the three volumes of his father's *Life and Letters* (1887) and two further volumes of *More Letters* 1903. FRS, 1882.
- DARWIN, George Howard (1845–1912). Charles Darwin's second son. Trinity College, Cambridge, mathematician; Plumian Professor of

- Astronomy and Experimental Philosophy, Cambridge University, 1883–1912. FRS, 1879.
- DARWIN, Henrietta Emma (1843–1927). Charles Darwin's third daughter. Married Richard Buckley Litchfield, 1871. Edited *Emma Darwin: A Century of Family Letters*, 1904 and 1915.
- DARWIN, Horace (1851–1928). Charles Darwin's fifth and youngest son. Trinity College, Cambridge. Designed scientific instruments; founded the Cambridge Scientific Instrument Company in 1885. Mayor of Cambridge, 1896–7. FRS, 1903.
- DARWIN, Leonard (1850–1943). Charles Darwin's fourth son. Attended the Royal Military Academy, Woolwich; commissioned in Royal Engineers, 1871; retired as major, 1890. Served on scientific expeditions, including those for the observation of the transit of Venus, 1874 and 1882. Instructor, School of Military Engineering, Chatham, 1877–82; Intelligence Department, War Office, 1885–90; Liberal Unionist MP, Lichfield division of Staffordshire, 1892–5. President, Royal Geographical Society, 1908–11.
- DARWIN, Marianne (1798–1858). Charles's eldest sister. Married Dr Henry Parker in 1824.
- DARWIN, Mary (1740–70). Daughter of George Howard and the first wife of Erasmus Darwin I; grandmother of Charles Darwin of the *Origin*.
- DARWIN, Robert Waring (1766–1848). Charles Darwin's father. Third son of Erasmus Darwin I by his first wife, Mary Howard. Physician: MD, Leiden, 1785; FRS, 1788. Married Susannah, eldest daughter of Josiah Wedgwood I, in 1796.
- DARWIN, Susan Elizabeth (1803–66). The third of Charles's elder sisters; unmarried; cared for her father, and lived at The Mount, Shrewsbury, until her death.
- DARWIN, Susannah (Sukey) (1765–1817). Charles Darwin's mother. Eldest daughter of Josiah Wedgwood I. Married Robert Waring Darwin in 1796. Died after chronic illness when Charles was eight years old.
- DARWIN, William Erasmus (1839–1914). Charles Darwin's eldest child. Christ's College, Cambridge. Banker in Southampton.
- EARLE, Augustus (1793–1838). Artist in the *Beagle*, 1831–2; left at Montevideo because of illness.
- EDGEWORTH, Maria (1767–1849). Novelist of Irish life, eldest daughter of Richard Edgeworth and friend of Josiah II and Bessy Wedgwood.

- EDGEWORTH, Richard Lowell (1744–1817). Civil engineer and inventor. Member of the Lunar Society.
- EDWARD. Servant of the Darwin family at The Mount, Shrewsbury.
- EHRENBERG, Christian Gottfried (1795–1876). German naturalist, microscopist and traveller. Studied the infusoria, including specimens from the *Beagle* voyage. Foreign member, Royal Society, 1837.
- EYTON, Thomas Campbell (1809–90). Shropshire naturalist and collector of bird skins and skeletons. Darwin's friend and Cambridge contemporary. Examined birds from the *Beagle* voyage.
- FALCONER, Hugh (1808–65). Palaeontologist and botanist. Superintendent of the botanic gardens at Saharanpur, 1832, and Calcutta, 1848; Professor of Botany, Calcutta Medical College, 1848–55. In later years close friend of Darwin's. FRS, 1845.
- FARRER, Thomas Henry (1833–84). Barrister and civil servant, 1873 married Euphemia (Effy), daughter of Hensleigh Wedgewood, as his second wife; lived at Abinger Hall, Dorking, Surrey, a favourite house for Darwin to visit in later years.
- FITZROY, Robert (1805–65). Naval officer, hydrographer and meteorologist. Captain of the *Beagle* during Darwin's voyage. Author of *Narrative of the Surveying Voyages of the Adventure and Beagle*, 1839. MP for Durham, 1841–3. Governor of New Zealand, 1843–5. Chief of the meteorological department of the Board of Trade, 1854–65. Vice-admiral, 1863. FRS, 1851.
- FORBES, Edward (1815–54). Zoologist, botanist and palaeontologist. Professor of Botany, King's College, London, 1842. Palaeontologist with the Geological Survey, 1844–54. Professor of Natural History, Edinburgh University, 1854. FRS, 1845.
- FOX, William Darwin (1805–80). Clergyman and naturalist; Darwin's second cousin and intimate friend; near contemporary at Christ's College, Cambridge; introduced him to entomology; lifelong correspondent. Rector of Delamere, Cheshire, 1838–73. Retired to Sandown, Isle of Wight.
- FRANKLIN, Benjamin (1706–90). American scientist, diplomat and statesman. Inventor of lightning conductor and member of Lunar Society.
- GALTON, Francis (1822–1911). Charles Darwin's cousin. statistician and eugenist. Author of *Hereditary Genius* 1869.
- GAY, Claude (1800–73). French naturalist and traveller who surveyed the flora and fauna of Chile before Darwin's visit.
- GOULD, John (1804–81). Self-taught ornithologist and artist. Taxi-

- dermist to the Zoological Society of London, 1826–81. Described the birds collected on the *Beagle* expedition. FRS, 1843.
- GRANT, Robert Edmond (1793–1874). Scottish zoologist. Befriended Darwin in Edinburgh, 1825–7. Professor of Comparative Anatomy and Zoology, University College, London, 1827–74. FRS, 1836.
- GRAY, Asa (1810–88). American botanist. Fisher Professor of Natural History, Harvard University, 1842–72. Devoted time to the Harvard Botanic Garden and herbarium. First met Darwin on visit to Kew in 1850s and became friend and supporter. Foreign member, Royal Society, 1873.
- GRAY, John Edward (1800–73). Zoologist; keeper of zoology at the British Museum, 1840–74; made over his collection of barnacles for Darwin to study. FRS, 1832.
- GULLY, James Manby (1808–83). Physician. Studied medicine in Paris and Edinburgh. Practised in London, 1830–42. In 1842 he set up a hydropathic establishment in Malvern where he treated many famous people. Darwin was his patient for some years from March 1849.
- HAECKEL, Ernst Heinrich (1834–1919). German zoologist and physician. Professor of Zoology at University of Jena from 1865. Strongly supported Darwin's theories and promulgated them in Germany.
- HARRIS, James. British trader at the Rio Negro, Patagonia, from whom Robert FitzRoy hired two small schooners during 1832–3 for surveying parts of the coast too shallow for the *Beagle*.
- HIENSLAW, Reverend John Stevens (1796–1861). Clergyman, botanist and mineralogist. Professor of Mineralogy, Cambridge University, 1822–7; Professor of Botany, 1827–61. Extended and remodelled the Cambridge Botanic Garden. Rector of Hitcham, Suffolk, 1837–61. Darwin's teacher and friend at Cambridge and later.
- HERBERT, John Maurice (1808–82). St John's College, Cambridge. Fellow, 1832–40. Barrister, 1835. County Court Judge, South Wales, 1847–82. Close friend of Darwin's at Cambridge.
- HIERSCHEL, Sir John Frederick William (1792–1871). Astronomer, mathematician and philosopher of science. Author of *Preliminary Discourse on the Study of Natural Philosophy*, 1831. Carried out astronomical observations at the Cape of Good Hope 1834–8, where Darwin visited him in June 1836. Dubbed Darwin's theory 'the law of higgledy-piggely'. FRS, 1813. Baronet, 1838.
- HOLLAND, Henry (1788–1873). Prominent London physician; distant cousin of the Darwins and Wedgewoods. Physician to Queen Victoria,

1852, and created baronet 1853. Attended Darwin family at Down House. FRS, 1816.

HOOKER, Joseph Dalton (1817–1911). Botanist. Assistant surgeon to the Antarctic expedition of James Clark Ross, 1838–43, and published the botanical results of the voyage. Botanist to the Geological Survey, 1845. Collected plants in the Himalayas, 1848–50. Assistant director, Royal Botanic Gardens, Kew, 1855–65, and succeeded his father as director, 1865–85. Specialist in taxonomy and plant geography. Close friend and confidant of Charles Darwin. FRS, 1847; PRS, 1873–8; knighted, 1878; OM, 1907.

HOOKER, Sir William Jackson (1785–1865). Botanist. Regius Professor of Botany, University of Glasgow, 1820–41. First director of the Royal Botanic Gardens at Kew, 1841–65. Father of Joseph Dalton Hooker. FRS, 1812. Knight, 1836.

HOPE, Frederick William (1797–1862). Entomologist and clergyman. Prominent beetle collector whom Darwin met in 1829; gave Oxford University his collection of insects, some of which had been sent him by Darwin from Australia, and founded a professorship of zoology at Oxford, 1849. FRS, 1834.

HORNER, Leonard (1785–1864). Linen draper, amateur geologist and educationalist. Factory Commissioner, 1833–60. President of the Geological Society, 1845–7, 1860–2. Father-in-law of Charles Lyell. FRS, 1813.

HUMBOLDT, (Friedrich Wilhelm Heinrich) Alexander von (1769–1859). Eminent German naturalist, traveller and author. Explored equatorial South America, 1799–1804; travelled in Siberia, 1829. Foreign Member, Royal Society, 1815.

HUTTON, James (1726–97). Scottish natural philosopher and geologist. Propounded a uniformitarian view of geological history in his *Theory of the Earth*, 1795, taken up and developed by Charles Lyell.

HUXLEY, Thomas Henry (1825–95). Zoologist, comparative anatomist, essayist and educator. Assistant surgeon, HMS *Rattlesnake*, surveying east coast of Australia, 1847–9. Lecturer, Royal School of Mines, 1854–84. Fullerian Professor at the Royal Institution, 1863–7. Close friend of Darwin's from 1855 and polemical supporter of his theory. FRS, 1851; PRS, 1883–5.

INNES, Reverend John (1817–94). Clergyman, Trinity College, Oxford. Perpetual curate of Downe, 1846; vicar, 1860–9. Left Downe in 1862 after inheriting property in Scotland. Changed his surname to Brodie Innes *c.* 1860.

JENKIN, Henry Charles Fleeming (1835–85). Engineer. Professor of

Engineering at University College, London, 1865, and at Edinburgh, 1868. Advanced strong technical arguments against Darwin's theory of natural selection. FRS, 1865.

JENYNS, Reverend Leonard (1800–93). Naturalist and clergyman. Vicar of Swaffham Bulbeck, Cambridgeshire, 1828–49. Fellow beetle collector and friend of Darwin's at Cambridge. Described the *Beagle* fish specimens.

KING, Philip Gidley (1817–1904). Eldest son of Captain Philip Parker King, RN. Midshipman in the *Beagle*, 1831–6. Left ship to join father in Australia, 1836.

KING, Philip Parker (1793–1856). Naval officer and hydrographer. Commander of the *Adventure* and *Beagle* on the first surveying expedition to South America, 1826–30. Settled in Australia. FRS, 1824.

KRAUSE, Ernst (1839–1903). German botanist; author of biography of Erasmus Darwin which Darwin translated into English with long preliminary essay, 1879.

LAMARCK, Jean Baptiste Pierre Antoine de Monet de (1744–1829). French naturalist; botanist at the Jardin du Roi, 1788–93; Professor of Zoology, Muséum d'Histoire Naturelle, 1793–1829; author of *Philosophie zoologique*, 1809. Believed in spontaneous generation and the progressive development of animal types; proposed a theory of transmutation.

LANE, Edward Wickstead (?–1889). Medical practitioner and proprietor of hydropathic establishment at Moor Park, near Farnham, Surrey, later at Sudbrooke Park, near Richmond-on-Thames. Darwin spent many brief periods at Dr Lane's, starting in 1857.

LANGTON, Reverend Charles (1801–86). Clergyman. Trinity College, Oxford. Rector of Onibury, Shropshire, 1832–40; lost his faith and resigned living. Married Charlotte Wedgwood, 2nd daughter of Josiah II, 1832. After her death, married Darwin's younger sister Catherine, 1863.

LANGTON, Charlotte (1797–1862). Daughter of Bessy and Josiah Wedgwood II of Maer Hall; and second of Emma Darwin's elder sisters. Married Reverend Charles Langton, 1832. Resided at Maer, 1840–6, and at Hartfield Grove, Sussex, 1847–61.

LINNAEUS (Carl von Linné) (1707–78). Swedish botanist and zoologist. Enunciated principles for defining species and genera and established a system for the classification and nomenclature of living organisms.

LUBBOCK, John William, 3rd Baronet (1803–65). Astronomer,

- mathematician and banker. First Vice-Chancellor of London University, 1837–42. Owner of large estate and neighbour of Darwin's at Downe. FRS, 1829.
- LUBBOCK, John, 4th Baronet (1834–1913). Banker, politician and naturalist. Son of Sir John William Lubbock and a neighbour of Darwin's at Downe. Studied entomology and anthropology. An active supporter of Darwin's theory of natural selection. Liberal MP and spokesman for science in Parliament. FRS, 1858. Created first Baron Avebury, 1900.
- LYELL, Charles (1797–1875). Barrister and geologist. Professor of Geology, Kings' College, London, 1831–3. President of the Geological Society, 1834–6 and 1849–50. Author of *Principles of Geology*, 3 volumes, 1831–3. Scientific mentor and friend of Darwin's. Inherited estate at Kinnordy, Forfarshire. FRS, 1826. Knight, 1848. Baronet, 1864.
- LYELL, Mary Elizabeth (1808–73). Eldest child of Leonard Horner. Married Charles Lyell in 1832. No children.
- MCCORMICK, Robert (1800–90). Naval surgeon in the *Beagle*, 1831–2, who resented Darwin's role as naturalist. Left ship on grounds of ill-health.
- MACGILLIVRAY, William (1796–1852). Scottish naturalist and ornithologist. Conservator of the Royal College of Surgeons' Museum in Edinburgh, 1822–41, where Darwin got to know him. Professor of Natural History, Aberdeen, 1841–52.
- MACKINTOSH, Sir James (1765–1832). Philosopher and historian. Professor of Law and General Politics at the East India Company College, Haileybury, 1818–24. By his first wife was father of Frances (Fanny), wife of Emma's brother Hensleigh Wedgwood. Married secondly Emma's aunt, Catherine Allen, 1798.
- MAGUIRE, Thomas Herbert (1821–95). Irish lithographer and portraitist. Lithographer to the Queen, 1854. Produced a series of portraits of men of science known as the Ipswich Museum portraits, which included portrait of Darwin made in 1849, and published by George Ransome 1851.
- MALTHUS, Reverend Thomas Robert (1766–1834). Clergyman and political economist. First Professor of History and Political Economy at the East India Company College, Haileybury, 1805–34. Quantified the relationship between growth in population and food supplies in his *Essay on Population*, 1798. FRS, 1819.
- MANTELL, Gideon Algernon (1790–1852). Physician, geologist and

- palaeontologist and noted collector of fossils. Secretary, Geological Society, 1841–2. Vice-president, 1848–9. FRS, 1825.
- MARTENS, Conrad (1801–79). Landscape painter; joined *Beagle* as artist as replacement for Augustus Earle, 1833–4. Settled in Australia.
- MARTINEAU, Harriet (1802–76). Author, reformer and traveller; close friend of Darwin's brother Ras.
- MILNE, David (afterwards Milne-Home) (1805–90). Scottish advocate and geologist; criticised Darwin's explanation of the parallel roads of Glen Roy.
- MIVART, St George Jackson (1827–1900). Barrister and biologist. Lecturer in biology, St Mary's Roman Catholic College, Kensington. Author of *The Genesis of Species*, 1871, in which he strongly criticised *The Origin of Species* and *The Descent of Man*.
- MURCHISON, Roderick Impey (1792–1871). Geologist noted for his work on the Silurian system. Director of Geological Survey, 1855. Influential figure in the Geological Society, British Association for the Advancement of Science, and Royal Geographical Society. FRS, 1826. Knight, 1846. Baronet, 1866.
- MURRAY, John (1808–92). Publisher and author of guidebooks. Darwin's publisher from 1845.
- MUSTERS, Charles (d. 1832). Volunteer 1st class in the *Beagle*: died of fever at Rio de Janeiro.
- NANCY. Darwin's childhood nurse who continued for many years with the Darwin family at The Mount, Shrewsbury.
- ORBIGNY, Alcide Charles Victor Dessalines d' (1802–57). French palaeontologist who explored in South America, 1826–34. Professor of Palaeontology, Muséum d'Histoire Naturelle, Paris, 1853.
- OWEN, Arthur Mostyn (1813–96). Second son of William Mostyn Owen, Sr, of Woodhouse. Attended Shrewsbury School, 1827–8, and the East India Company College, Haileybury, 1829–31. Indian Civil Service, 1832–8. Shooting companion of Darwin's before the *Beagle* voyage.
- OWEN, Fanny (Frances) Mostyn (? 1810–). Second daughter of William Mostyn Owen, Sr, of Woodhouse. Married Robert Myddleton Biddulph of Chirk Castle, Denbighshire, in 1832. A close friend of Darwin's before the *Beagle* voyage.
- OWEN, Sarah Harriet Mostyn (1804–). Eldest daughter of William Mostyn Owen, Sr, of Woodhouse. Married first Edward Hosier Williams of Eaton Mascott, near Shrewsbury in 1831 and second

- Thomas Chandler Haliburton in 1856. A close friend of Darwin's before the *Beagle* voyage.
- OWEN, William Mostyn, Sr., Squire of Woodhouse, Shropshire. Taught Darwin to shoot and enjoyed his company.
- OWEN, William Mostyn (1806–68). Eldest son of William Mostyn Owen, Sr, of Woodhouse. Major, Royal Dragoons. Shooting companion of Darwin's before the *Beagle* voyage.
- OWEN, Richard (1804–92). Comparative anatomist. Assistant conservator of Hunterian Museum, Royal College of Surgeons, 1827, and Hunterian Professor, 1836–56; Superintendent of the Natural History departments, British Museum, 1856–84. Described the *Beagle* fossil mammal specimens; later bitter critic of Darwin's theories. FRS, 1834. Knighted, 1884.
- PALEY, Reverend William (1743–1805). Anglican clergyman and theologian. Author of *Natural Theology*, 1802.
- PARKER, Henry (1788–1856). MD, Edinburgh, 1814. Physician to the Shropshire Infirmary. Married Darwin's eldest sister Marianne in 1824.
- PARSLOW, Joseph (1809/10–98). Darwin's manservant at Gower Street, c. 1840, and butler at Down House until 1875.
- PEACOCK, George (1791–1858). Tutor in mathematics at Trinity College, Cambridge, 1823–39. Lowndean Professor of Geometry and Astronomy at Cambridge University, 1837. Asked by Captain Beaufort to recommend a naturalist to join the *Beagle* voyage. FRS, 1818.
- PRIESTLEY, Joseph (1733–1804). Unitarian minister and distinguished chemist. Member of Lunar Society. Emigrated and died in USA.
- ROMANES, George John (1848–94). Biologist, worked at University College, London, and later Oxford. Author of *Animal Intelligence*, 1882, *Mental Evolution in Animals*, 1883. Close friend of Darwin's from 1874 onwards. FRS, 1879.
- ROSAS, Juan Manuel de (1793–1877). Argentine cattle rancher. Governor of Buenos Aires, 1829–32, and ruled as dictator of Argentina, 1835–52.
- ROSS, James Clark (1800–62). Naval officer and polar explorer. Discovered the north magnetic pole in 1831. Commanded expedition to the Antarctic in which Joseph Hooker served, 1839–43, and search expedition for John Franklin, 1848–9. Rear-Admiral, 1856. FRS, 1828.
- SABINE, Edward (1788–1883). Army officer, retired as general; astron-

- omer and physicist; carried out studies of geomagnetism. Secretary of the British Association for the Advancement of Science, 1838–59. FRS, 1818. PRS, 1861–71. Knighted, 1869.
- SARMIENTO, Pedro (1532–1608?). Spanish navigator who surveyed the Straits of Magellan and set up the unsuccessful colony later known as Port Famine. Highest mountain in area named after him.
- SEDGWICK, Reverend Adam (1785–1873). Geologist and clergyman. Woodwardian Professor of Geology at Cambridge University, 1818–73. Taught Darwin elements of field geology and remained a friend despite strong criticism of the *Origin*. FRS, 1821.
- SISMONDI, Jean Charles Leonard Simonde de (1773–1842). Swiss historian. Married Emma's aunt Jessie Allen in 1819.
- SMALL, William (1734–75). Scots physician and mathematician. Settled in Birmingham and acted as convenor of the Lunar Society.
- STOKES, John Lort (1812–85). Naval Officer. Served in the *Beagle* as midshipman, 1826–31, and as mate and assistant surveyor, 1831–7. Continued in naval service; admiral, 1877.
- STRICKLAND, Hugh Edwin (1811–53). Geologist and zoologist. An advocate of reform in zoological nomenclature. Consulted by Darwin during his study of barnacles. FRS, 1852.
- SULIVAN, (Bartholomew) James (1810–90). Naval officer and hydrographer. Second lieutenant in the *Beagle*, 1831–6; surveyed the Falkland Islands and coast of South America, 1838–46; served in Baltic, 1854–5. Naval officer in Maritime department of Board of Trade, 1856–65; Admiral, 1877.
- THOMSON, William (1824–1907). Astronomical physicist. Professor of Natural Philosophy, Glasgow, 1849–99. Advanced strong technical arguments against Darwin's theories. FRS, 1851; PRS, 1890. Knighted, 1866. 1st Baron Kelvin, 1882.
- THORLEY, Miss. Governess at Down House, 1850–6. Present at Anne Darwin's death in Malvern, 1851.
- USBORNE, Alexander Burns. Master's assistant in the *Beagle*, surveyed the coast of Peru after the *Beagle* had left for the Galapagos Islands, 1835–6.
- WALLACE, Alfred Russel (1823–1913). Naturalist, traveller and collector. Advanced theory of variation and natural selection in 1858 independently of Darwin, but always described it as Darwin's theory. Main publications: *Geographical Distribution of Animals*, 1876; *Darwinism*, 1889. FRS (1892), 1905; OM, 1908.

- WATERHOUSE, George Robert (1810–88). Naturalist. A founder of the Entomological Society, 1833. Curator, Zoological Society, 1836–43. On the staff of the natural history department of the British Museum, 1843–80. Described the mammalia and entomological specimens from the *Beagle* voyage.
- WATERTON, Charles (1782–1865). Naturalist, traveller in Guiana and a pioneer conservationist. In 1845 visited by Darwin, who admired his *Essays on Natural History*, 1838.
- WATT, James (1736–1819). Scots engineer. Developed a much improved steam-engine and joined Matthew Boulton in Birmingham to found firm of Boulton & Watt in 1773. Member of Lunar Society.
- WEDGWOOD, Charlotte (1797–1862). Second surviving daughter of Bessy and Josiah Wedgwood II and elder sister of Emma's. Married Reverend Charles Langton in 1832.
- WEDGWOOD, Elizabeth (Bessy) (1764–1846). Eldest daughter of John Bartlett Allen of Cresselly, Pembrokeshire. Married Josiah Wedgwood II in 1792; mother of Emma.
- WEDGWOOD, Emma (1808–96). Youngest daughter of Bessy and Josiah Wedgwood II of Maer Hall. Married Charles Darwin, her cousin, in January 1839.
- WEDGWOOD, Frances (Fanny) (1806–32). Fourth daughter of Bessy and Josiah Wedgwood II and next before Emma: as an inseparable pair they were known as the Dovelies. Died early unmarried.
- WEDGWOOD, Frances Mackintosh (Fanny) (1800–89). Daughter of Sir James Mackintosh by his first wife. Married Hensleigh Wedgwood in 1832 and known as Fanny Hensleigh.
- WEDGWOOD, Francis (Frank) (1800–88). Master-potter and managing partner in the works at Etruria until 1876. Third son of Bessy and Josiah Wedgwood II and one of Emma's elder brothers. Married Frances Mosley in 1832.
- WEDGWOOD, Hensleigh (1803–91). Barrister and philologist. BA, Christ's College, Cambridge, 1824; Fellow, 1829–30. Metropolitan police magistrate, Lambeth, 1832–7. Registrar of metropolitan carriages, 1838–49. Fourth son of Bessy and Josiah Wedgwood II and next brother before Emma. Married Frances Mackintosh in 1832.
- WEDGWOOD, John (1766–1844). Banker and horticulturist. A founder of the Horticultural Society of London, 1804. Eldest son of Sarah and Josiah Wedgwood I. Married (Louisa) Jane Allen in 1794, second daughter of John Bartlett Allen.
- WEDGWOOD, Josiah I (1730–95). Master-potter who founded the

- Wedgwood pottery works at Barlaston and Etruria, Staffordshire. Close friend of Dr Erasmus Darwin and member of Lunar Society. Married cousin Sarah (Sally) Wedgwood and was father of Susannah (Sukey), Charles Darwin's mother. FRS, 1783.
- WEDGWOOD, Josiah II (Jos) (1769–1843). Of Maer Hall, Staffordshire. Master-potter of Etruria; partner in firm. MP for Stoke-on-Trent, 1832–4. Married Elizabeth (Bessy) Allen in 1792, and father of Emma.
- WEDGWOOD, Josiah III (Joe) (1795–1880). Of Leith Hill Place, Surrey; eldest son of Bessy and Josiah Wedgwood II, and brother of Emma. Married Caroline Darwin in 1837, second of Charles's elder sisters.
- WEDGWOOD, Sarah (Sally) (1734–1815). Married Josiah Wedgwood I in 1764 and gave birth to Susannah (Sukey), Charles Darwin's mother.
- WEDGWOOD, Sarah (Elizabeth) (1778–1856). Youngest daughter of Sarah (Sally) and Josiah Wedgwood I, and Charles and Emma's aunt, unmarried.
- WEDGWOOD, (Sarah) Elizabeth (1793–1880). Eldest daughter of Bessy and Josiah Wedgwood II, who cared for Emma when a child; unmarried. Resided at Maer till 1847, at The Ridge, Hartfield, Sussex, 1847–62, and at Downe from 1868.
- WEDGWOOD, Thomas (1771–1805). Fourth son of Josiah Wedgwood I. Published researches on heat and light, 1791–2, and developed concept of photography. Friend and patron of Samuel Taylor Coleridge. Died early unmarried.
- WHEWELL, William (1794–1866). Mathematician and philosopher of science. Tutor at Trinity College, Cambridge, 1823–38; Master, 1841–66. Professor of Mineralogy at Cambridge University, 1828–32; Professor of Moral Philosophy, 1838–55. President of Geological Society, 1837–40, and persuaded Darwin to become secretary, 1838–40. Author of *History of the Inductive Sciences*, 3 volumes, 1837. FRS, 1820.
- WHITE, Gilbert (1720–93). Naturalist and clergyman. Author of *The Natural History and Antiquities of Selborne*, 1789, much admired by Darwin.
- WICKHAM, John Clements (1798–1864). Naval officer. First lieutenant in the *Beagle*, 1831–6. Commander of the *Beagle*, 1837–41, surveying the Australian coast. Emigrated to Australia, 1842; Government Resident in Queensland, 1853–60.
- WHITLEY, Reverend Charles Thomas (1808–95). Clergyman. Attended Shrewsbury School, 1821–6, and St John's College, Cambridge;

friend of Darwin's. Reader in Natural Philosophy and Mathematics at Durham University, 1833-55. Vicar of Bedlington, Northumberland, 1854-95.

WILBERFORCE, Reverend Samuel (1805-73). Bishop of Oxford, 1845-60. Leading critic of Darwin's theories in the Oxford debate of 1860. FRS, 1845.

WITHERING, William (1741-99). Physician and botanist. Chief physician to the Birmingham General Hospital. Active member of the Lunar Society. FRS, 1785.

YARRELL, William (1784-1856). Zoologist and bookseller in London. Author of standard works on British birds and fishes. Advised Darwin on equipment for *Beagle* voyage.

YORK MINSTER. A Fuegian man brought to England in 1830 by Robert FitzRoy; returned to Tierra del Fuego in the *Beagle* and married Fuegia Basket.