

CHARLES DARWIN: ORIGIN OF SPECIES BY MEANS OF NATURAL SELECTION

Historical Events ¹	Year	Date	Biographical information
Abraham Lincoln born on same date Alfred, Lord Tennyson, born Beethoven's "Emperor" piano concerto Lamarck's <i>Zoological Philosophy</i> 1810, Napoleon's zenith 1811, J. Austin's <i>Sense & Sensibility</i>	1809	Feb. 12	Charles Robert Darwin born at Shrewsbury, 2nd son & 5th child of Dr. Robert Waring Darwin, physician, & Susannah Wedgwood Darwin
Mississippi became US state Simon Bolivar established independent government in Venezuela	1817	Jul. 15	Mother died at age 52
1824, Proof that sperm fertilizes egg 1827, Audubon's <i>Birds of North America</i> ; Niece's photographs on metal plate	1825 - 1827		Attended Edinburgh Univ.; studied medicine
Noah Webster's Amer. dictionary publ. 1829, Smithsonian Inst. founded 1830, France captured Algeria; Lyell's <i>Principles of Geology</i> , vol. 1	1828 - 1831	Apr. 26	Attended Cambridge Univ.; studied for clergy BA degree received
1831, position of N. Pole established; population of G.B. = 13.9 million 1834, Babbage invented analytical engine (computer); McCormick patented reaping machine 1836, Davy Crockett killed at Alamo	1831 - 1836	Dec. 27 Oct. 2	Naturalist on board HMS Beagle, naval survey ship, on voyage around the world Dec. 1835, Henslow printed and circulated extracts of Darwin's letters to members of the Cambridge Philosophical Society
Electric telegraph patented Victoria (1819-1901) became Queen of Great Britain T. Carlyle's <i>The French Revolution</i>	1837	July	Began notebook on "Transmutation of Species" Father began transfer of funds that would make Charles financially independent.
1838, Queen Victoria's coronation 1838-39, Schleiden & Schwann's "Cell Theory" 1839, Goodyear's vulcanized rubber; First electric clock; Poe's "Fall of the House of Usher"	1838 - 1839	Jan. 29 -	<i>Zoology of the Voyage of the HMS Beagle</i> published Married Emma Wedgwood (2 May 1808 - 2 Oct. 1896), his first cousin; daughter of Josiah II, partner in Etruria pottery works, Staffordshire. The Darwins had 10 children (1839-1856) <i>Journal of Researches, Countries Visited by HMS Beagle</i>
Ether used for surgical anesthesia Opium War ended: Hong Kong ceded to Great Britain	1842	Sept. 14 -	Moved from London to Down House, near Orpington, Kent, where he entertained eminent scientists of his day <i>Structure of Coral Reefs</i> published
Howe sewing machine, Deere plow	1846		<i>Geological Observations of South America</i> published
J. S. Mill's <i>Princip. Political Economy</i> First appendectomy performed First settlers arrived in New Zealand	1848	Nov.	Father died
1852, H. Spencer's 'Development Hypoth.,' 1st use word 'evolution'	1851 - 1854		<i>Four monographs on Cirripedia</i> (barnacles) published
Smallpox vaccine compulsory in Gt.Brit.	1853	Nov. 30	Royal Soc. Medal: geology and barnacle research
1855, Livingstone discov. Victoria Falls 1857, Pasteur proved fermentation is caused by living organisms			
1858, Appearance of Mary to Bernadette at Lourdes	1858	July 1	Joint paper with Alfred Russell Wallace read at Linnean Society
Dickens, <i>A Tale of Two Cities</i> Marx, "Critique of Political Economy" J. W. Mill, "Essay on Liberty" Suez Canal begun; 1st oil well in PA	1859	Nov. 24	Publication of <i>On the Origin of Species</i> , 1250 copies printed sold out on first day; 2nd ed. Jan. 7, 1860; 6th ed. 1872
1861, <i>Archaeopteryx</i> discovered - fossil linking reptiles and birds 1863, Emancipation Proclamation issued by Pres. Abraham Lincoln 1865, Mendel's laws of heredity and the principles of inheritance 1866, Haeckel's 'biogenetic law' -ontogeny repeats phylogeny; A. Nobel invented dynamite 1869, Mendeleev's periodic law for classification of the elements 1877, Queen Victoria proclaimed Empress of India			1868, <i>Variation of Animals and Plants Under Domestication</i> 1871, <i>The Descent of Man, and Selection in Relation to Sex</i> 1872, <i>The Expression of Emotions in Man and Animals</i> 1875, <i>Insectivorous Plants</i> 1880, <i>The Power of Movement in Plants</i> 1881, <i>Formation of Vegetable Mould,. Through Action of Worms</i>
R. Wagner's <i>Parsifal</i> premiered Ralph Waldo Emerson died	1882	Apr. 19 Apr. 26	Charles Darwin died Funeral at Westminster Abbey

¹ Grun, B. 1979. Timetables of History. Simon and Schuster, NY.