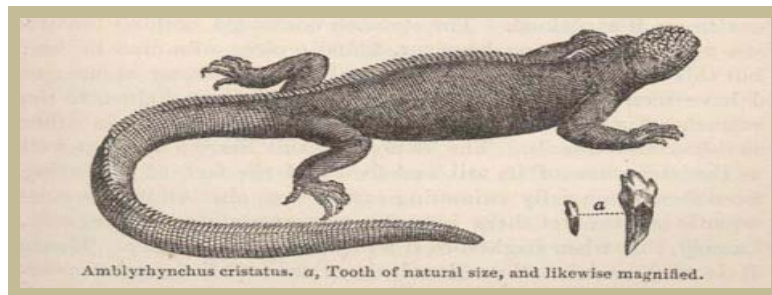
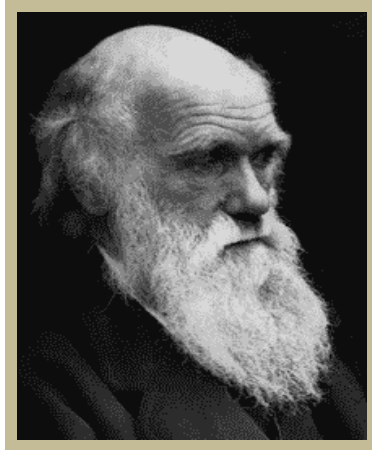


Library and Information Services Division
Current References 2009-1

The Year of Darwin 2009

Discovering Darwin at NOAA Central Library: Resources on Charles Darwin, Evolution, and the Galapagos Islands: A Selected Bibliography



Prepared by Anna Fiolek and Kathleen A. Kelly

U.S. Department of Commerce
National Oceanic and Atmospheric Administration
National Environmental Satellite, Data, and Information Service
National Oceanographic Data Center
NOAA Central Library
October 2009



<http://www.lib.noaa.gov/researchtools/subjectguides/darwinbib.pdf>



Contents:

Preface	p. 3
Acknowledgment	p. 4
I. Darwin Chronology	p. 5-6
II. Monographic Publications By or About Charles Darwin in the NOAA Central Library Network Catalog (NOAALINC)	p. 7-13
III. Internet Resources Related to Charles Darwin And His Science (Including online images and videos)	p. 14-17
IV. Darwin Science-related Journals in the NOAA Libraries' Network	p. 17-18

Preface

This *Bibliography* has been prepared to support NOAA Central Library (NCL) outreach activities during the Year of Darwin 2009, including a “Discovering Darwin at NOAA Central Library” Exhibit. The Year of Darwin 2009 has been observed worldwide by libraries, museums, academic institutions and scientific publishers, to honor the 150th anniversary of *On the Origin of Species* and the 200th anniversary of Charles Darwin’s birth. This Bibliography reflects the library’s unique print and online resources on Charles Darwin, Evolution, and the Galapagos Islands. It includes citations organized “by title” from NOAALINC, the library’s online catalog, and from the library’s historical collections. The data and listings are comprehensive from the 19th century to the present. The formats represented in this resource include printed monographs, serial publications, graphical materials, videos, online full-text documents, a related journal list, and Web resources.

The *Bibliography* is also published online under Library and Information Services Division (LISD) Current Reference Series 2009-1, and is available to the international community via NOAA Central Library’s web site and its online catalog NOAALINC. This *Bibliography* may also serve as an Internet locator for printed and online resources in evolutionary biology, and the biology and ecology of the Galapagos Islands of Ecuador. Any comments and suggestions for edits are welcomed.

Any publications listed in this *Bibliography* which are not designated as Rare Books may be requested through your local library’s Interlibrary Loan (ILL) service.

This publication is available online for downloading in PDF format at:
<http://www.lib.noaa.gov/researchtools/subjectguides/darwinbib.pdf>

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October 2009

Acknowledgment

This *Bibliography* would not have been possible without the assistance of many individuals at the NOAA Central Library and the National Oceanographic Data Center (NODC): Neal Kaske, Chief of the Library and Information Services Division (LISD); Skip Theberge, Acting Head of Reference Services for his assistance with selection and loan of books; Diana L. Abney, Librarian for coordinating an imaging process of the selected documents; Li Zhang, Librarian for cataloging selected Darwin-related publications; Kelly Logan, NODC Outreach Specialist and Sheri Phillips, NODC Marine Biologist for production of an exhibit poster and banner; Jennifer Taylor, Library Technician for assistance with organizing materials for the library's exhibit; and my co-author, Librarian Kathy Kelly, for initiating and managing the project, and assisting with compiling this *Bibliography*.

Finally, special thanks go to the NOAA Climate Data Modernization Program (CDMP) for including Darwin-related documents in their funded ocean heritage scanning projects, and HOV Services for imaging the documents.



Photo from: Darwin Digital Library of Evolution: Darwin's Plants *Primula veris* (Courtesy John and Irene Palmer)
<http://darwinlibrary.amnh.org/index.php?globalnav=gallery>

I. Darwin Chronology

(From: The Victorian Web: Charles Darwin, at: http://victorianweb.org/science/darwin/darwin_chron.html)

1809 - 12 February Born at Shrewsbury.

1818 - Begins schooling at Shrewsbury School.

1825-27 - Attends Edinburgh University.

1827 - 27 March Contributed two scientific papers to the radical student Plinian Society.

1827-31 - Attends Christ's College, Cambridge University.

1829 - Entomological tour of northern Wales with Prof. F.W. Hope.

1831 - August Geological tour of North Wales with Prof. Adam Sedgwick.

1831 - 29 August Receives letter with offer to sail on H.M.S. Beagle.

1831 - 27 December H.M.S. Beagle sails from Devonport.

1832 - 23 September Darwin finds his first significant fossils.

1835 - September studies the natural history of the Galapagos Islands.

1836 - 2 October H.M.S. Beagle returns to England.

1837 - 31 May Reads his theoretical paper on coral reef formation to London Geological Society.

1837 - Begins first notebook on "*Transmutation of Species*".

1838 - July Begins further notebooks on man and materialism.

1838 - September First formulates theory of evolution by natural selection.

1839 - 29 January Marries cousin Emma Wedgwood.

1842 - Published [*The structure and distribution of coral reefs.*](#)

1844 - Robert Chambers' [*Vestiges of the Natural History of Creation*](#) published anonymously. Darwin published [*Geological Observations on the Volcanic Islands, visited during the voyage of H.M.S. Beagle.*](#)

1845 - Publishes *Journal of Researches into the Natural History and Geology of the Countries visited during the Voyage of H.M.S. Beagle round the World.*

1846 - Begins eight-year study of barnacles. Publishes *Geological Observations on South America.*

1858 - 18 June Receives letter from Alfred Russell Wallace discussing very similar theory of evolution prompts Darwin to go public at last.

1858 - July Papers by Darwin and Wallace, announcing theory of evolution through natural selection, read in absentia at Linnaean Society, London.

1858 - 20 July Begins writing *Origin of Species*.

1859 - 19 March Finished writing Origin of Species.

1859 - 24 November *Origin of Species* published, all 1,250 copies sold on first day.

1865 - Publishes *The Movements and Habits of Climbing Plants.*

1868 - Publishes *The Variation of Animals and Plants under Domestication.*

1871 - Publishes *The Descent of Man.*

1872 - Publishes *The Expression of the Emotions in Man and Animals.*

1876 - Publishes *The Effects of Cross and Self Fertilisation in the Vegetable Kingdom*

1877 - Publishes "A Biographical Sketch of an Infant" & *The Different Forms of Flowers on Plants of the Same Species.*

1881 - Publishes *The Formation of Vegetable Mould Through the Action of Worms, with Observations on Their Habits.*

1882 - Dies at Down House, buried in Westminster Cathedral.



II. Monographic Publications By or About Charles Darwin in the NOAA Central Library Network Catalog (NOAALINC)

Darwin, Charles. 1958. **The autobiography of Charles Darwin and selected letters.** New York: Dover Publications. Francis Darwin, editor. "An unabridged and unaltered republication of the work first published in 1892 ... under the title, Charles Darwin, his life told in an autobiographical chapter and in a selected series of his published letters."

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GC771 .I52 1993

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Darwin, Charles. 1985-<1988> **The correspondence of Charles Darwin.** Frederick Burkhardt, Sydney Smith, editors. New York: Cambridge University Press. <4> vol. Incomplete contents: v. 1. 1821-1836 --v. 2. 1837-1843 -- v. 3. 1843-1846 -- v. 4. 1847-1850. RARE BOOK ROOM: QH31.D2 A4 1985 v.1; QH31.D2 A4 1985 v.2

QE565 .D63 v.3 2005

Online access: <http://www.darwinproject.ac.uk/content/category/11/14/41/> (v. 1-16)

Moorehead, Alan. 1969. **Darwin and the Beagle.** New York, Harper & Row. Beagle Expedition (1831-1836). Contents: The meeting -- The departure -- The tropical forest -- The antediluvian animals -- Tierra del Fuego -- The Pampas -- Buenos Aires -- The Andes -- The earthquake-- The Galapagos Islands -- Homeward bound -- The Oxford meeting.

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McCalman, Iain. 2009. **Darwin's Armada: Four Voyages and the Battle for the Theory of Evolution.** New York: W.W. Norton & Co.

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QL614.7 .P38 2004

Ayala, Francisco J. 2007. **Darwin's gift to science and religion.** Washington, D.C.: Joseph Henry Press. Contents: Introduction -- Intelligent design: the original version -- Darwin's revolution: design without designer -- Natural selection -- Arguing for evolution -- Human evolution -- Molecular biology -- Follies and fatal flaws -- Beyond biology --

Postscript for the cognoscenti.
QH375 .A93 2007

Nobel Conference (18th : 1982 : Gustavus Adolphus College). 1st ed. (1983). **Darwin's legacy.** Charles L. Hamrum, editor. San Francisco: Harper & Row. Contents: In praise of Charles Darwin / Stephen Jay Gould -- The human mind after Darwin / Irving Stone -- African origins / Richard Leakey -- The evidences of evolution / Sir Peter Medawar -- Sociobiology / Edward O. Wilson -- Darwin's legacy / Jaroslav Pelikan -- Conversations at Nobel XVIII.
GN281 .N6 1982

Desmond, Adrian and James Moore. 2009. **Darwin's sacred cause: how a hatred of slavery shaped Darwin's views on human evolution.** Boston: Houghton Mifflin Harcourt.

Abstract: There is a mystery surrounding Darwin: How did this quiet, respectable gentleman, a pillar of his parish, come to embrace one of the most radical ideas in the history of human thought? Darwin risked a great deal in publishing his theory of evolution, so something very powerful--a moral fire--must have propelled him. That moral fire, argue authors Desmond and Moore, was a passionate hatred of slavery. They draw on a wealth of fresh manuscripts, correspondence, notebooks, diaries, and even ships' logs to show how Darwin's abolitionism had deep roots in his mother's family and was reinforced by his voyage on the Beagle as well as by events in America. Leading apologists for slavery in Darwin's time argued that blacks and whites were separate species, with whites created superior. Darwin believed that the races belonged to the same human family, and slavery was therefore a sin.--From publisher description.
GN281.4 .D47 2009

Darwin, Charles. 2009. **The descent of man.** Mineola, N.Y.: Dover.
QH365 .D22 2009

Online access:

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http://www.infidels.org/library/historical/charles_darwin/descent_of_man/

Tax, Sol, and Charles Callender. 1960. **Evolution after Darwin: the University of Chicago Centennial.** Chicago, IL: University of Chicago Press. Papers presented at the University of Chicago Darwin centennial celebration in November 1959. 3 vols. Contents: v. 1. The evolution of life -- v. 2. The evolution of man -- v. 3. Issues in evolution, edited by Sol Tax and.

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pulse of life / Richard Swann Lull -- The antiquity of man / Richard Swann Lull -- The natural history of man / Harry Burr Ferris -- The evolution of the nervous system of man / George Howard Parker -- The evolution of intelligence / James Rowland Angell -- Cultural evolution / George Grant MacCurdy -- Societal evolution / Albert Galloway Keller -- Climate and the evolution of civilization / Ellsworth Huntington -- The trend of evolution / Edwin Grant Conklin -- The mechanism of evolution / Wesley Roswell Coe.
QH366 .B16 1929

Nichols, Peter. 2004. **Evolution's captain: the story of the kidnapping that led to Charles Darwin's voyage aboard the Beagle.** New York, HarperCollins.
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QH198 .G3 1984

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Abstract: Brings together the symposium papers of the 'Galápagos international scientific project,' an eleven-week interdisciplinary program in science organized by University of California Extension, Berkeley, under the auspices of the National Science Foundation, the Government of Ecuador, the Charles Darwin Foundation for the Galápagos Islands, and the California Academy of Sciences ... The first symposium was held in Berkeley, California (January 7-8 [1964]) and the second was convened aboard ship (January 11-18 [1964]) while the scientists were en route to the islands.
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1836).
VA458.B39 D28 1984

Wallace, Alfred Russel. 1880. **Island life; or, The phenomena and causes of insular faunas and floras.** London, Macmillan and Co.

QH85 .W18 1880

Online access: <http://books.google.com> (1895 edition, search on title) or:

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QL444.C5 D3 1851-1854 (Repr. 1964)

Online access:

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Darwin, Charles. 1979. **On the origin of species.** Cambridge, Mass.: Harvard University Press, c1964, 1979 printing. A facsimile of the first edition.
QH365 .O2x 1964b
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<http://darwin-online.org.uk/content/frameset?itemID=F376&viewtype=image&pageseq=1> (2nd ed. 1860)
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<http://darwin-online.org.uk/content/frameset?itemID=F385&viewtype=image&pageseq=1> (4th ed. 1866)
<http://darwin-online.org.uk/content/frameset?itemID=F387&viewtype=image&pageseq=1> (5th ed. 1869)
<http://darwin-online.org.uk/content/frameset?itemID=F391&viewtype=text&pageseq=1>
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Darwin, Charles. 1962. **On the origin of species: by means of natural selection, or, the preservation of favored races in the struggle for life.** New York: Collier Books.
QH365 .O2 1962

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Dobbs, David. 2005, 1st ed. **Reef madness: Charles Darwin, Alexander Agassiz, and the meaning of coral.** New York: Pantheon.

Abstract: This book examines, from a number of perspectives, a period of change in the nature of scientific thought, as represented in the 19th century debate over the formation of coral atolls and reefs between Charles Darwin and Alexander Agassiz, the son of Darwin's great opponent Louis Agassiz. Though the son opposed his father in siding with Darwin's theory of evolution, he made it his life's work to disprove Darwin's theory on coral; while ultimately shown to be incorrect, Agassiz's work laid the foundations of modern oceanography.

Contents: Magpie -- Neuchâtel -- Freiburg -- Cambridge -- Fixity -- Transmutation -- Selection -- A still greater sorrow -- The pleasure of gambling -- To light: Murray's reefs -- A question of science -- Accrual -- "A conspiracy of silence" -- To sea -- The last archipelago -- A connected account -- Eniwetok.

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Strahler, Arthur Newell. 1987. **Science and earth history: the evolution/creation controversy.** Buffalo, N.Y.: Prometheus Books.

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Chambers, Paul. 2006. **A sheltered life: the unexpected history of the giant tortoise.** Oxford; New York: Oxford University Press.

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QE565 .D2 1874 2nd ed.

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Darwin, Charles. 1962. **The structure and distribution of coral reefs.** Berkeley: University of California Press. Reprinted from: *Geological Observations on Coral Reefs, Volcanic Islands, and on South America*, Smith, Elder and Company, London, 1851. Contents: Atolls or lagoon-islands -- Barrier reefs -- Fringing or shore reefs -- On the distribution and growth of coral reefs -- Theory of the formation of the different classes of coral reefs -- On the distribution of coral reefs with reference to the theory of their formation.

QE565 .D3 1962

Online access: http://darwin-online.org.uk/pdf/1842_Coral_F271.pdf (1842, 1st ed.)

Hey, Jody, Walter M. Fitch, and Francisco J. Ayala, editors. 2005. **Systematics and the origin of species: on Ernst Mayr's 100th anniversary.** Washington, D.C.: National Academies Press.

QH380.S97 2005 (NWFSC)

Darwin, Charles. 1883, 2nd ed. **The variation of animals and plants under domestication.** New York: D. Appleton and Co.

RARE BOOK ROOM: QH365 .V2 v.1 1883; QH365 .V2 v.2 1883

Online access: http://darwin-online.org.uk/EditorialIntroductions/Freeman_VariationunderDomestication.html (First edition first issue (1868), first edition second issue (1868), and second edition (1875) available online through the University of Cambridge)

Darwin, Charles. 1962. **The voyage of the Beagle.** Garden City, N.Y., Doubleday. First published in 1839 under title: *Journal of researches into the geology and natural history of the various countries visited by H.M.S. Beagle. Beagle Expedition (1831-1836).*

QH11 .D2 1962

Darwin, Charles. 1972. **The voyage of the Beagle. The zoology of the voyage of H.M.S. Beagle, under the command of Captain Fitzroy, R.N. during the years 1832 to 1836.** New York: Bantam. Beagle Expedition (1831-1836). QH11 .D2 1972

Online access: <http://darwin-online.org.uk/content/frameset?itemID=F9.1&viewtype=image&pageseq=1>

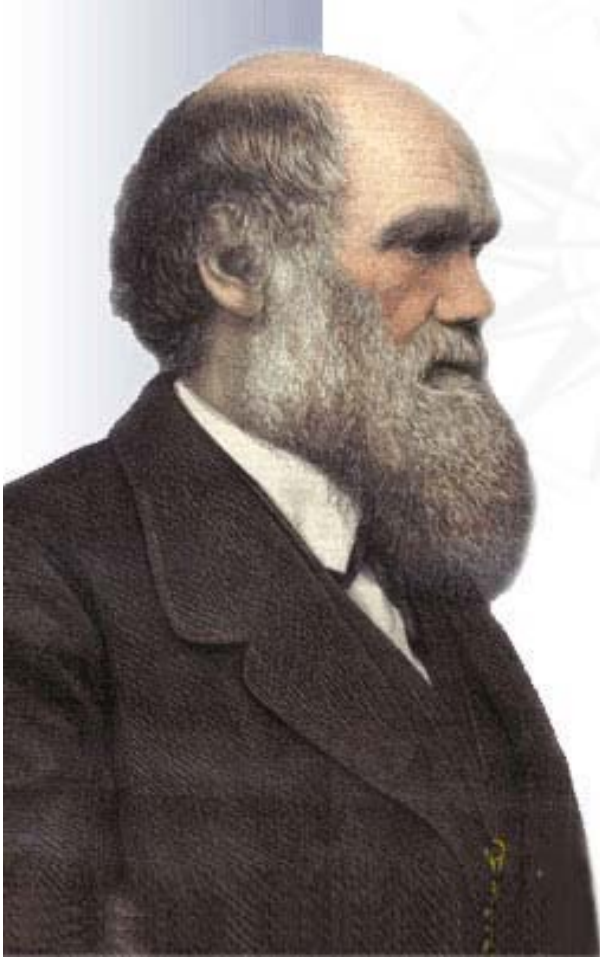


Photo from: Darwin Country home page.

III. Internet Resources Related to Charles Darwin and His Science, Including Online Images and Videos (All resources viewed in October 2009)

Charles Darwin – Wikipedia entry. From Wikipedia, the free encyclopedia.
Online access: http://en.wikipedia.org/wiki/Charles_Darwin

Charles Darwin. 2009. In: The Victorian Web (Developed by George P. Landow, Brown University).
Online access: <http://www.victorianweb.org/science/darwin/>

Charles Darwin Scientific Station (Santa Cruz Island, Galapagos Islands, Ecuador).
Digital image in low and high resolution (JPEG). In: NOAA Photo Library.
Online access: <http://www.photolib.noaa.gov/htmls/mvey0695.htm>

The complete works of Charles Darwin online. Cambridge University Library, 2008-2009. Collection of published texts in various editions, and related papers and illustrations.

Online access: <http://www.darwin-online.org.uk/> (Main home page)

Darwin 2009: Anniversary Festival, University of Cambridge. University of Cambridge. "From 5-10 July 2009, in its 800th anniversary year, the University of Cambridge hosted a major international Festival to mark 200 years since Charles Darwin's birth and 150 years since the publication of *On the Origin of Species*."

Online access: <http://www.darwin2009.cam.ac.uk/>

Seward, A. C. 1999. **Darwin and modern science: essay in commemoration of the Century of Birth of Charles Darwin and the Fiftieth Anniversary of the Publication of the *Origin of Species*.** Available online via Project Gutenberg.

Online access: <http://digital.library.upenn.edu/webbin/gutbook/lookup?num=1909>

Darwin and natural selection. Website by Dennis O'Neil. 1998-2009. Online access: http://anthro.palomar.edu/evolve/evolve_2.htm (Includes images and several video and audio clips)

Darwin Big Idea Big Exhibition: Nov. 14, 2008 - April 14, 2009. London Natural History Museum. Online access: <http://www.nhm.ac.uk/visit-us/whats-on/darwin/>

Darwin Correspondence Project home page. 2007. University of Cambridge. "The Darwin Correspondence Project was founded in 1974 by an American scholar, Frederick Burkhardt, with the aid of Sydney Smith, a zoologist in the University of Cambridge (UK). They originally set out to locate, research, and publish summaries of, all letters written by Charles Darwin, the most celebrated naturalist of the nineteenth century. (1809-82). Following a pilot project, it was decided to include letters written to Darwin also - an unusual step for a collection of correspondence at the time, and one now widely followed - and to publish complete transcripts in chronological order. Since then, the Project has had a staff of researchers and editors in both the UK and US, those in the UK being based in Cambridge University Library which houses the largest single collection of Darwin's manuscripts, and his own library of books and journals. The papers include around 9,000 letters."

Online access: http://www.darwinproject.ac.uk/component/option,com_frontpage/

Darwin Country. 2001. Shrewsbury Museums Service. Information on time, topics, places, people, objects, animals, plants relevant to Darwin and Shrewsbury.

Online access: <http://www.darwincountry.org/>

Darwin Digital Library of Evolution. American Museum of Natural History.

Online access: <http://darwinlibrary.amnh.org/index.php?globalnav=scope>

Darwin Digital Library of Evolution: bibliography. American Museum of Natural History.

Online access: <http://darwinlibrary.amnh.org/index.php?globalnav=bibliography>

Darwin: discover the man and the revolutionary theory that changed the course of science and society. American Museum of Natural History. Darwin Online Exhibit (2005-2006 Exhibit)

Online access: <http://www.amnh.org/exhibitions/darwin/> (Virtual exhibit)

http://www.amnh.org/exhibitions/darwin/media/video/Inside_View_edit.ram (Video)

Darwin's Beagle diary. Digital audio (1:08:13).

Online access:

<http://video.google.com/videoplay?docid=1589429273035937450&ei=TNm3Spz4M6iSgGLnlc2CAg&q=Charles+Darwin&hl=en#docid=8489017204431813373> (Audio)

Evolution: a journey into where we're from and where we are going. Evolution Library, for Teachers, for Students. Co-production of the WGBH/NOVA Science Unit and Clear Blue Sky Productions, 2001.

Online access: <http://www.pbs.org/wgbh/evolution/>

The genius of Charles Darwin: God strikes back. Digital video online

Online access:

<http://video.google.com/videoplay?docid=1589429273035937450&ei=TNm3Spz4M6iSgGLnlc2CAg&q=Charles+Darwin&hl=en#docid=-828270247063909484>

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Since Darwin: the evolution of evolution. 2009. Washington, D.C., Smithsonian Museum of Natural History. Temporary Exhibit, Sept. 12, 2009- July 18, 2010.

Online access: <http://www.mnh.si.edu/exhibits/darwin/>

Survival of the fittest: a special issue of The Linnean celebrating the 150th anniversary of the Darwin-Wallace theory of evolution. Edited by Brian Gardiner, Richard Milner, and Mary Morris. In: *The Linnean* (Special issue), no. 9 (2008)

Online access:

http://www.linnean.org/fileadmin/images/Linnean/Special_Issue_9_-_Celebrating_the_150th_anniversary_of_the_Darwin-Wallace_theory_of_evolution.pdf

Online access (related articles): <http://www.linnean.org/index.php?id=351>

Online access: <http://www.linnean.org/index.php?id=101> (The Linnean newsletter's archive)

The Year of Darwin. *Science magazine*, v. 323 (6 Feb. 2009). Special issue on Darwin. "Science is celebrating the 150th anniversary of the publication of Charles Darwin's *On the Origin of Species* and the 200th anniversary of the author's birth with a variety of

news features, scientific reviews and other special content, all collected here.
Online access: <http://www.sciencemag.org/darwin/>

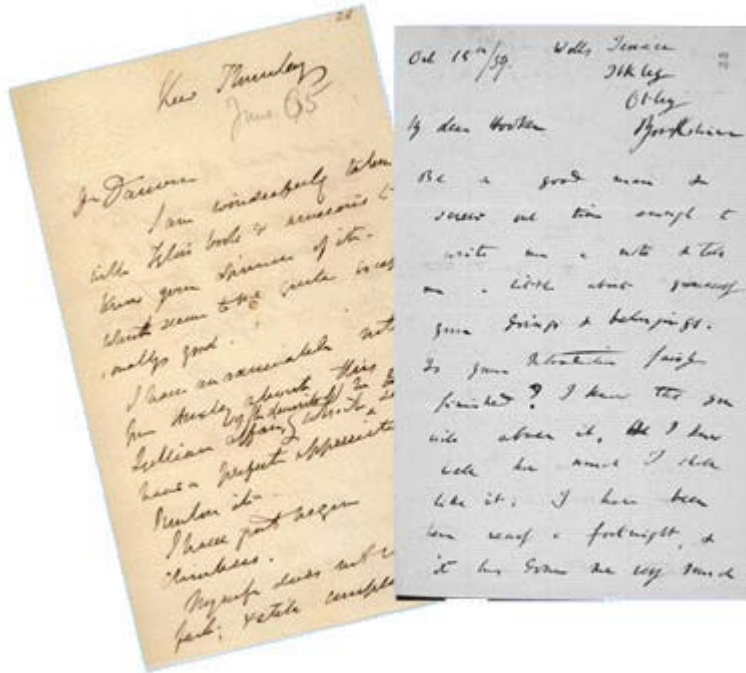


Photo from: Darwin Correspondence Project home page

IV. Darwin Science-related Journals in the NOAA Libraries' Network (<http://www.swetswise.com/direct.do>)

Evolution-related Journals (selection):

- Annual Review of Ecology, Evolution and Systematics*
- Ethology, Ecology and Evolution* (open access, 1994-present)
- Evolution* (full-text through BioOne 2000-present; 1947-2005 via JSTOR)
- Molecular Biology and Evolution* (available at various NOAA libraries)
- Open Evolution Journal* (open access, 2007-present)
- Science* (available at various NOAA libraries)
- Trends in Ecology and Evolution* (available at various NOAA libraries)

Ecology/Marine Biology-related Journals (selection):

- Ecological Applications* (available at various NOAA libraries)
- Ecological Modelling* (available at various NOAA libraries)
- Ecology* (available at various NOAA libraries)
- Ecology and Society* (open access, 1997-present)

Marine Biology (available at various NOAA libraries)
Marine Ecology Progress Series (available at various NOAA libraries)
Marine Ecosystems and Management (open access, 2007-present)
Marine Environment Research (available at various NOAA libraries)
Marine Fisheries Review (open access, 1979-present)
Marine Policy (available at various NOAA libraries)
MPA News (open access, 1999-present)
Ocean and Coastal Management (available at various NOAA libraries)
Oceanography (available at various NOAA libraries)
Oceanus (available at various NOAA libraries)
Science (available at various NOAA libraries)



Photo from: Darwin Digital Library of Evolution: Darwin's Plants *Ranunculus auricomus* (Courtesy John and Irene Palmer) <http://darwinlibrary.amnh.org/index.php?globalnav=gallery>