

7. Documentation



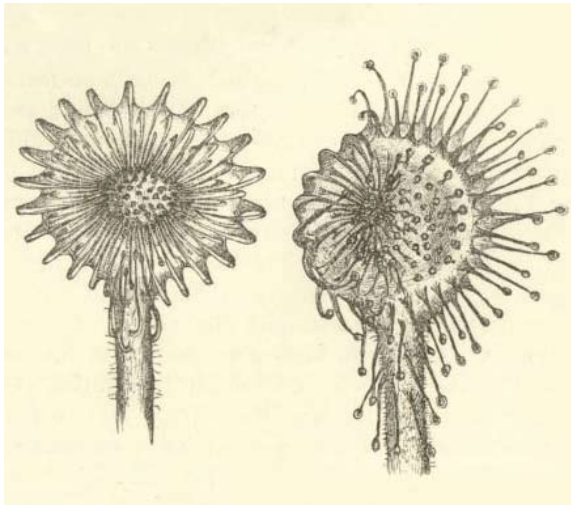


Illustration of *Drosera rotundifolia* in 'Insectivorous Plants' (1857)



Drosera rotundifolia

Darwin studied the movements and digestive powers of the insect eating *Drosera rotundifolia* (sundew)

The importance of the Galapagos Islands as the living evolutionary laboratory where Darwin found the clue to evolution is abundantly clear. While the Beagle voyage set the stage, Downe became the theatre where Darwin developed and tested his ideas. Although the habitats were man-managed and distant from the wild areas visited on the Beagle voyage, they displayed similar patterns of life and Darwin's findings there confirmed and added to evidence coming in from the rest of the globe.'

Dr. Jim Thorsell

Senior Advisor on World Heritage to IUCN and Board member of the Charles Darwin Foundation for the Galapagos.

Section 7 - Documentation

7.a Photographs, slides, image inventory and authorisation table and other audiovisual materials (see following pages)



Down House

Id No	Format (slide/print/video)	Caption	Date of photo (mo/yr)	Photographer/Director of the video	Copyright owner	Contact detail of copyright owner (Name, address, tel/fax & email)	New exclusive cession of rights
1	Illustration	Illustration of the nominated Property and buffer zone	December 2008	Barry Small	Barry Small	C/o World Heritage Team London Borough of Bromley Civic Centre Stockwell Close Bromley BR1 3UH Tel: +44 (0) 20 8461 7808 conservation@bromley.gov.uk	
2	Print	Portrait of 31 year-old Charles Darwin by George Richmond in 1840	1840	George Richmond	English Heritage	English Heritage Photographic Library Room G7/8 23 Saville Row London, W1S 2ET Tel: +44 (0) 20 7973 3338	Yes
3	Print	Darwin's first attempt at illustrating his theory from his 'Transmutation' notebook	1837		Cambridge University Library	Department of Manuscripts and University	Yes
4	Print	Cudham Valley looking north	June 2008	Alister Hayes		C/o World Heritage Team London Borough of Bromley Civic Centre Stockwell Close Bromley BR1 3UH Tel: +44 (0) 20 8461 7808 conservation@bromley.gov.uk	Yes
5	Print	Bee pollinating red clover	June 2002	Irene Palmer		C/o World Heritage Team London Borough of Bromley Civic Centre Stockwell Close Bromley BR1 3UH Tel: +44 (0) 20 8461 7808 conservation@bromley.gov.uk	Yes
6	Print	Farming in Cudham Valley	March 2000	Alister Hayes		C/o World Heritage Team London Borough of Bromley Civic Centre Stockwell Close Bromley BR1 3UH Tel: +44 (0) 20 8461 7808 conservation@bromley.gov.uk	Yes
7	Print	View from Downe Bank	June 2005	Irene Palmer		C/o World Heritage Team London Borough of Bromley Civic Centre Stockwell Close Bromley BR1 3UH Tel: +44 (0) 20 8461 7808 conservation@bromley.gov.uk	Yes
8	Print	Hangrove Wood	May 2007	Irene Palmer		C/o World Heritage Team London Borough of Bromley Civic Centre Stockwell Close Bromley BR1 3UH Tel: +44 (0) 20 8461 7808 conservation@bromley.gov.uk	Yes
9	Print	Landscape around Down House	July 2005	Alister Hayes		C/o World Heritage Team London Borough of Bromley Civic Centre Stockwell Close Bromley BR1 3UH Tel: +44 (0) 20 8461 7808 conservation@bromley.gov.uk	Yes

Id No	Format (slide/print/video)	Caption	Date of photo (mo/yr)	Photographer/Director of the video	Copyright owner	Contact detail of copyright owner (Name, address, tel/fax & email)	New exclusive cession of rights
10	Print	Darwin on his horse 'Tommy' outside Down House	1870s		English Heritage	English Heritage Photographic Library Room G7/8 23 Saville Row London, W1S 2ET Tel: +44 (0) 20 7973 3338	Yes
11	Print	Routes used by Darwin are still accessible	Feb 2005	Irene Palmer		C/o World Heritage Team London Borough of Bromley Civic Centre Stockwell Close Bromley BR1 3UH Tel: +44 (0) 20 8461 7808 conservation@bromley.gov.uk	Yes
12	Print	Downe Bank	March 2008	Alister Hayes		C/o World Heritage Team London Borough of Bromley Civic Centre Stockwell Close Bromley BR1 3UH Tel: +44 (0) 20 8461 7808 conservation@bromley.gov.uk	Yes
13	Illustration	Illustration reflecting the description of an entangled bank in the last paragraph of 'The Origin of Species'	December 2008	Barry Small	Barry Small	C/o World Heritage Team London Borough of Bromley Civic Centre Stockwell Close Bromley BR1 3UH Tel: +44 (0) 20 8461 7808 conservation@bromley.gov.uk	
14	Print	Pollination of pyramidal orchid by skipper butterfly	June 2005	Irene Palmer		C/o World Heritage Team London Borough of Bromley Civic Centre Stockwell Close Bromley BR1 3UH Tel: +44 (0) 20 8461 7808 conservation@bromley.gov.uk	Yes
15	Print	Keston Bog	June 2005	Irene Palmer		C/o World Heritage Team London Borough of Bromley Civic Centre Stockwell Close Bromley BR1 3UH Tel: +44 (0) 20 8461 7808 conservation@bromley.gov.uk	Yes
16	Print	Keston Ponds	November 2007	Irene Palmer		C/o World Heritage Team London Borough of Bromley Civic Centre Stockwell Close Bromley BR1 3UH Tel: +44 (0) 20 8461 7808 conservation@bromley.gov.uk	Yes
17	Print	High Elms	June 2005	Irene Palmer		C/o World Heritage Team London Borough of Bromley Civic Centre Stockwell Close Bromley BR1 3UH Tel: +44 (0) 20 8461 7808 conservation@bromley.gov.uk	Yes

Id No	Format (slide/print/video)	Caption	Date of photo (mo/yr)	Photographer/Director of the video	Copyright owner	Contact detail of copyright owner (Name, address, tel/fax & email)	New exclusive cession of rights
18	Print	Watercolour of Down House in 1880 by Albert Goodwin	1880	Albert Goodwin	English Heritage	English Heritage Photographic Library Room G7/8 23 Saville Row London, W1S 2ET Tel: +44 (0) 20 7973 3338	Yes
19	Print	Down House today	July 2008	English Heritage	English Heritage	English Heritage Photographic Library Room G7/8 23 Saville Row London, W1S 2ET Tel: +44 (0) 20 7973 3338	Yes
20	Print	A first-edition copy of On the Origin of Species (1859) with a letter signed by Charles Darwin on the inside cover.			English Heritage	English Heritage Photographic Library Room G7/8 23 Saville Row London, W1S 2ET Tel: +44 (0) 20 7973 3338	Yes
21	Print	Opening of Down House as a Museum in 1929	1929		English Heritage	English Heritage Photographic Library Room G7/8 23 Saville Row London, W1S 2ET Tel: +44 (0) 20 7973 3338	Yes
22	Print	The Study at Down House photographed in the 1860s and today	1860s July 2008	English Heritage	English Heritage	English Heritage Photographic Library Room G7/8 23 Saville Row London, W1S 2ET Tel: +44 (0) 20 7973 3338	Yes
23	Print	Climbing Plants on the Veranda at Down House	July 2008	English Heritage	English Heritage	English Heritage Photographic Library Room G7/8 23 Saville Row London, W1S 2ET Tel: +44 (0) 20 7973 3338	Yes
		A local nurseryman's catalogue with Darwin's notes	1855	English Heritage	English Heritage	English Heritage Photographic Library Room G7/8 23 Saville Row London, W1S 2ET Tel: +44 (0) 20 7973 3338	Yes
24	Print	Kitchen Garden at Down House	July 2008	English Heritage	English Heritage	English Heritage Photographic Library Room G7/8 23 Saville Row London, W1S 2ET Tel: +44 (0) 20 7973 3338	Yes
25	Print	Insectivorous Plants in the Greenhouse at Down House	July 2008	Irene Palmer		C/o World Heritage Team London Borough of Bromley Civic Centre Stockwell Close Bromley BR1 3UH Tel: +44 (0) 20 8461 7808 conservation@bromley.gov.uk	Yes

Id No	Format (slide/print/video)	Caption	Date of photo (mo/yr)	Photographer/Director of the video	Copyright owner	Contact detail of copyright owner (Name, address, tel/fax & email)	New exclusive cession of rights
26	Print	Lawn Experiment	July 2008	Aimee Jones		C/o World Heritage Team London Borough of Bromley Civic Centre Stockwell Close Bromley BR1 3UH Tel: +44 (0) 20 8461 7808 conservation@bromley.gov.uk	Yes
27	Print	Sandwalk	Feb 2004	Irene Palmer		C/o World Heritage Team London Borough of Bromley Civic Centre Stockwell Close Bromley BR1 3UH Tel: +44 (0) 20 8461 7808 conservation@bromley.gov.uk	Yes
28	Print	Downe Village	July 2006	John Howard		C/o World Heritage Team London Borough of Bromley Civic Centre Stockwell Close Bromley BR1 3UH Tel: +44 (0) 20 8461 7808 conservation@bromley.gov.uk	Yes
29	Print	Darwin used this worm-stone to measure earthworms undermining of the soil		English Heritage	English Heritage	English Heritage Photographic Library Room G7/8 23 Saville Row London, W1S 2ET Tel: +44 (0) 20 7973 3338	Yes
30	Print	Children studying Darwin experiments with scientists from the Natural History Museum	June 2006	Judith John		C/o World Heritage Team London Borough of Bromley Civic Centre Stockwell Close Bromley BR1 3UH Tel: +44 (0) 20 8461 7808 conservation@bromley.gov.uk	Yes
31	Print	Charles Darwin in his old age at Down House	1881		English Heritage	English Heritage Photographic Library Room G7/8 23 Saville Row London, W1S 2ET Tel: +44 (0) 20 7973 3338	Yes
32	Print	Scientists and the public study orchids at Downe Bank	June 2008	Alister Hayes		C/o World Heritage Team London Borough of Bromley Civic Centre Stockwell Close Bromley BR1 3UH Tel: +44 (0) 20 8461 7808 conservation@bromley.gov.uk	Yes

7.b Texts relating to protective designation, copies of property management plans or documented management systems and extracts of other plans relevant to the property (as listed in sections 5.b, 5.d, and 5.e).

Protection Designations

- *Sites of Special Scientific Interest (SSSI) Statements*
Hayes and Keston Common SSSI
Downe Bank and High Elms SSSI
- *Site of Importance for Nature Conservation (SINC)*
(divided into Sites of Metropolitan Importance and Sites of Borough Importance)
Down Valley and Down House SMI
Downe Bank and Cudham Valley North SMI
Holwood Estate SMI
High Elms SMI
Cudham Valley South SMI
Bogey Lane, Farthing Street and Orange Court Lane SBI Grade II
New Road Hill Bank SBI Grade II
- *Conservation Areas Supplementary Planning Guidance (SPG) notes*
Downe Village
Cudham Village
- *Listed Buildings Descriptions*
23 Statutory Listed Buildings
45 Locally Listed Buildings
English Heritage Register of Buildings at Risk, 2005 – Downe Court Manor
- *Scheduled Ancient Monuments Descriptions*
Iron Age settlement and Roman Villa at Warbank, Keston
Caesar’s Camp and earthworks
High Elms Ice House
- *Area of Archaeological Significance – Table of contents and related policy*
Cudham village and surrounding area
Downe Court Farm
Down village and surrounding area
Hostye Farm
Holwood Hill Fort, Keston Common
Keston Warbank, Keston
- *Register of Parks and Gardens of Special Historic Interest - Description*
Grounds at Down House are listed Grade II on the Register
- *Green Belt Policy*
Defined by the London Borough of Bromley Unitary Development Plan and Proposals Map

National Acts

- The National Heritage Acts 1983 and 2002
- Town and Country Planning Act 1990
- Planning and Compulsory Purchase Act 2004

- Planning (Listed Buildings and Conservation Areas) Act 1990
- Wildlife and Countryside Act 1981
- Countryside and Rights of Way Act 2000
- Ancient Monuments and Archaeological Areas Act 1979
- Town and Country Planning (Environmental Impact Assessment) (England and Wales) Regulations 1999
- Hedgerows Regulations 1997
- Environment Act 1995
- Freedom of Information Act 2000
- EIA Regulations 1999
- Disability and Discrimination Act 2005

Planning Policy Guidance/Statements

- Planning Policy Statement 1: Delivering Sustainable Development
- Planning Policy Guidance 2: Green Belts
- Planning Policy Statement 7: Sustainable Development in Rural Areas
- Planning Policy Statement 9: Biodiversity and Geological Conservation
- Planning Policy Guidance 13: Transport
- Planning Policy Guidance 15: Planning and the Historic Environment
- Planning Policy Guidance 16: Archaeology and Planning
- Planning Policy Guidance 17: Planning for Open Space, Sport and Recreation
- Regional Planning Guidance for the Southeast (RPG9)

London Acts/Publications

- London Plan: A Spatial Development Strategy for London (2004)
- Mayor’s Biodiversity Strategy for London (2002)
- London Development Agency’s Tourism Strategy and Action Plan 2004-2006
- Greater London Authority Act, 1999

Government Policy and Guidance

- Biodiversity Strategy for England (2002)
- The Historic Environment: A Force for the Future (DCMS, 2001)
- Securing the Future – UK Government’s Sustainable Development Strategy (2005)
- Key Stage 3 and 4 of National Curriculum
- Environmental Impact Assessment of Forestry Projects (2007)

London Borough of Bromley Publications

- London Borough of Bromley Adopted Unitary Development Plan (1994)
- London Borough of Bromley Second Deposit Draft Unitary Development Plan (2002)
- Bromley’s Biodiversity Action Plan (2005)

- Conservation Area Appraisals – Downe and Cudham Village (not yet completed)
- London Borough of Bromley Leisure and Cultural Portfolio Plan 2004
- Bromley Borough Spending Plan 2005/06 – 2007/08
- Bromley Rural Access Plan (CBA)

Studies

- Great Britain Day Visits Survey 2002-03

Management Plans (Summaries and Full Text)

- Down House, Gardens and Estate Management Plan (October 2005)
- West Kent Golf Course (London Wildlife Trust Nature Reserve) Management Plan (2002)
- West Kent Golf Course (the Big Woods) Management Plan (2002)
- Downe Scout Camp Management Plan (1999)
- Downe Bank Nature Reserve Management Plan (2002)
- High Elms Country Park Local Nature Reserve Management Plan (revision 2006)
- Keston Common, Ravensbourne Open Space and Padmall Wood Management Plan (revision 2006)
- Blackbush Shaw and Twenty Acre Shaw Management Plan (2004)
- Darwin at Downe World Heritage Site Management Plan (2006)

7.c Form and date of most recent records or inventory of Property

The Countryside

1. The key areas within the nominated property have management plans listed in 5.d. These have descriptions of habitats and species lists. Summaries (2005) of the management plans are included in the documents sent with this Nomination Document. Biodiversity surveys since 2000 have also been undertaken outside these areas. A list of Species of Conservation Concern for the whole of the nominated property may be found in the Biodiversity and Landscape Strategy. The Biodiversity and Landscape subgroup plan to co-ordinate future surveys to ensure comprehensive data is updated.

2. A habitat survey of the whole nominated property was undertaken in 2008 and the results are being analysed and will inform management in 2009. Similarly all the hedgerows were also surveyed and results will be available in 2009. A survey of all the footpaths and bridleways is being undertaken early in 2009 and will identify works needed in addition to the annual condition check, such as improvements to improve access

for people with disabilities. These issues are all addressed in the Biodiversity and Landscape Strategy

3. For detailed information about Darwin's observations and experiments in different areas and locations in the nominated Property, a set of 'area reference papers' are being produced covering Down House and its grounds, Downe Valley, Keston Common, Holwood Park, High Elms and Cudham Valley. These records will be made available on line with today's records.

4. The Bromley Museum holds records (2005) for the archaeology of the nominated Property whilst the Museum of London holds the inventory (2005) of ancient monuments and archaeological finds, which is constantly updated.

Down House and grounds

5. The historic features of Down House and its grounds are described in English Heritage's current Conservation Plan for the property completed in October 2005 and revised in 2008. The contents of the property including all items owned by or linked with Darwin are recorded in the curator's comprehensive Collections Database of books, papers, pictures, furniture, scientific equipment and specimens and other objects. The database is maintained to the UK standard for museum registration and is continually updated. The head gardener has databases for managing the trees and plants in the grounds; they include historical information together with horticultural details and are continually updated.

6. English Heritage has a programme for surveys of wild plants, invertebrates and mammals in the property. A full botanical survey was carried out in 1996. Grassland fungi on the lawns are surveyed annually and there have been surveys of reptiles and amphibians in 1996, bats in 1996 and 2003, a national vegetation assessment of the meadows and woodland in 2003, invertebrates in 2004, earthworms in 2005 and birds in 2004 and 2005.

7. There are about 1800 letters in Cambridge University Library written by or on behalf of Darwin, which excludes around 340 drafts and a number of copies. The library also has nearly 6000 letters written to Darwin, and almost all his other scientific manuscripts and papers. There are around 10,000 Darwin items in addition to the correspondence. The Darwin archive as a whole, including all the family material, photographs and copies of papers but excluding books and journals comprises around 40,000 separate items. The Library also holds 850 books and around 6000 copies of journals that belonged to Darwin.

Garden restoration records and management plans

8. English Heritage compiled the following reports to help with the restoration and management of the garden and estate at Down House from 1998.

Cox, J. & Thorp, J. (February 1997). The hothouse, greenhouse and laboratory complex at Down House, Kent. Keystone Historic Building Consultants Gardens and Landscape Team. (May 1997). Charles Darwin's estate, Down House, Kent. An opportunity for partnership. Repair and restoration of the gardens and landscape. English Heritage.

Keynes, R. (1998). Down House. The grounds and neighbourhood in Darwin's time.

Lea, R. (2 December 1997). Down House, Bromley, Kent. Notes on the trellis attached to the walls of Down House shown in photographs and watercolours dating from Charles Darwin's residency. English Heritage.

Lea, R. (25 January 1999). Down House, Bromley, Kent. Notes on the original heating system installed in Darwin's greenhouse. English Heritage

Lea, R. (31 July 1996). Down House, Bromley. Interim report no. 3. Notes on the historic development of the greenhouse and laboratory complex in the gardens of Down House. English Heritage.

McRobie, L. (January 1998). Charles Darwin's estate, Down House, Kent. 5 Year Management Plan. Project brief for the repair, restoration and management of the garden and landscape. English Heritage.

Miele, C. (May 1996). Darwin's garden. The Estate and gardens at Down House, Bromley. A preliminary assessment. English Heritage

Archaeological Reports

Bartlett, A. D. H. (1999). Down House, Kent. Report on archaeogeophysical survey. English Heritage.

Butler, J. (February 2002) A specification for an archaeological investigation at Down House, Downe, London Borough of Bromley. Pre-construct archaeology Ltd.

Butler, J. (February 2003) A specification for an archaeological investigation phase II at Down House, Downe, London Borough of Bromley. Pre-construct archaeology Ltd.

Bradley, T. & Sable, K. (March 2002). Assessment of an archaeological investigation at Down House, Downe, London Borough of Bromley. Pre-construct archaeology Ltd.

Bradley, T. & Sable, K. (April 2002). Assessment of an archaeological investigation at Down House, Downe, London Borough of Bromley. Pre-construct archaeology Ltd

Wragg, E. (August 2003). Assessment of phase II of an archaeological investigation at Down House, Downe, London Borough of Bromley. Pre-construct archaeology Ltd.

Ecological Reports

Brandon-Jones, L. (August 2003). National vegetation classification assessment of Down House. Quadrat

Butt, K. & Lowe, C. (January 2005). Earthworms at Down House. A report to English Heritage. University of Central Lancashire.

Blatchley, I. (November 2003). Bat survey of Down House Estate and Herbert, C. (2 July 1996). Bat survey of Down House and Estate.

Geikie, S. (October 1996). KRAG Report. Reptile and amphibian survey of Down House ref. TQ432612.

Jones, R. A. (February 2004). Down House. A preliminary invertebrate survey.

Pitt, J. (2004). Down House: Annual surveys of the grassland fungi on the lawns. English Heritage.

Wells, D. (October 1998). Wildlife statement for Down House, Kent. English Heritage.

Other Buildings

9. Bromley Council holds the records of listed buildings and conservation areas in the nominated Property, including assessments. The Council has produced an inventory of 19th century buildings in the nominated Property, including farm buildings. Bromley Central Library and the Centre for Kentish Studies are the main repositories for local history. The Bromley Museum has part of the archaeological and ethnographic collection displayed by Sir John Lubbock IV at High Elms.

7.d Address where inventory, records and archives are held

Down House
English Heritage
Luxtred Road
Orpington
Downe BR6 7JT
United Kingdom
Tel: +44 01689 859119

English Heritage
1 Waterhouse Square
138-142 Holborn
London EC1N 2ST

The Natural History Museum
Cromwell Road
London SW7 5BD
United Kingdom
Tel: +44 (0) 207942 5000

London Borough of Bromley
Civic Centre
Stockwell Close
Bromley
Kent BR1 3UH
United Kingdom
Tel: +44 020 8461 7808

Bromley Central Library
High Street
Bromley
Kent BR1 1EX
United Kingdom
Tel: +44 020 841 7170

Bromley Museum
The Priory
Church Hill
Orpington
Kent BR6 0HH
United Kingdom
Tel: +44 01689 873826

The Centre for Kentish Studies
Sessions House
County Hall
Maidstone
Kent ME14 1XO
United Kingdom
Tel: +44 01622 694363

7.e Bibliography

Writings by Darwin on the web

'The Writings of Charles Darwin on the Web' (<http://pages.britishlibrary.net/charles.darwin/>), shortly to be replaced by 'The Complete Work of Charles Darwin' (<http://darwin-online.org.uk/>), covers all of Darwin's published works. 'The Correspondence of Charles Darwin' (<http://www.lib.cam.ac.uk/Departments/Darwin/>) provides summaries of all Darwin's known correspondence with full texts and commentary for a selection of letters in 1858 and 1859 and more to be provided in the future. 'The Darwin Digital Library of Evolution' (<http://darwinlibrary.amnh.org/>) provides full texts and commentary for a selection of Darwin's scientific manuscripts including the work known as 'Natural Selection' and other papers relating to his work at Down House, again with more to come.

Published writings of Charles Darwin connected with his life and work at Down House

Books

Darwin, C. *Journal of Researches into the Natural History and Geology of the countries visited during the Voyage of H.M.S. 'Beagle'*. 2nd edition, corrected, with additions. London, 1845

Darwin, C. *A Monograph of the Fossil Lepadidae*; London, Palaeontographical Society, 1851

Darwin, C. *A Monograph of the Sub-class Cirripedia, with Figures of all the Species. The Lepadidae; or, Pedunculated Cirripedes*. London, Ray Society, 1851

Darwin, C. *A Monograph on the Fossil Balanidæ and Verrucidæ of Great Britain*. London, Palaeontographical Society, 1854

Darwin, C. *A Monograph of the Sub-class Cirripedia, with Figures of all the Species. The Balanidae (or Sessile Cirripedes); the Verrucidae, etc.* London, Ray Society, 1854

Darwin, C. *On the origin of species by means of natural selection*. London, John Murray. [1st Edition], 1859

Darwin, C. *On the various contrivances by which British and foreign orchids are fertilised by insects*. London, John Murray, 1862

Darwin, C. *The variation of animals and plants under domestication*. 2 Volumes, 2nd Edition New York, D.

Appleton & Co., 1883 [First published London, John Murray, 1868].

Darwin, C. *The descent of man and selection in relation to sex*. 2nd Edition revised and augmented, London, John Murray, 1882 [First published London, John Murray, 1871].

Darwin, C. *The origin of species by means of natural selection*. 6th Edition. London, John Murray, 1872

Darwin, C. *The expression of the emotions in man and animals*. London, John Murray, 1872

Darwin, C. *The movements and habits of climbing plants*. 2nd Edition. London, John Murray, 1875

Darwin, C. *Insectivorous plants*, 1875

Darwin, C. *The effects of cross and self-fertilisation in the vegetable kingdom*, 1876.

Darwin, C. *The different forms of flowers on plants of the same species*. First published London, John Murray, 1877

Darwin, C. *The power of movement in plants*. London, John Murray, 1880

Darwin, C. *The formation of vegetable mould, through the action of worms*. Eighth thousand (corrected) London, John Murray, 1881

Contributions to books

'Geology', in John F.W. Herschel ed., *A Manual of scientific enquiry*; prepared for the use of Her Majesty's Navy: and adapted for travellers in general. London, 1849.

'Prefatory notice', to A. Kerner, *Flowers and their unbidden guests*. Translated, revised and edited by W. Ogle. London, 1878.

Preface and 'a preliminary notice' to Ernst Krause, Erasmus Darwin. Translated from the German by W.S. Dallas. London, John Murray, 1879.

'Prefatory notice' to August Weismann, *Studies in the Theory of Descent*. Translated and edited by Raphael Meldola. London, 1880.

'A letter (1876) on the 'Drift' near Southampton', in James Geikie, *Prehistoric Europe: a geological sketch*. London, 1881.

'A posthumous essay on instinct' in George John Romanes, *Mental evolution in animals: with a*

posthumous essay on instinct by Charles Darwin. London, Kegan Paul, Trench & Co., 1883.

'Prefatory notice', to Hermann Müller, *The Fertilisation of Flowers*. Translated and edited by D'Arcy W. Thompson. London, 1883.

'Über die Wege der Hummelmännchen', translated by Ernst Krause in his, *Gesammelte kleinere Schriften von Charles Darwin*. Leipzig, 1886.

Darwin, F. (ed) *The life and letters of Charles Darwin*. 2 Volumes. New York, D. Appleton & Co. [First published London, John Murray, 1887], 1905

Darwin, F. & Seward, A.C. (eds) *More letters of Charles Darwin*. 2 Volumes. London, John Murray, 1903

Contributions to periodicals

Darwin, C. 'On the Formation of Mould', *Proceedings of the Geological Society of London*, 2(52) 1838, pp. 574-576.

Darwin, C. 'Double flowers—their origin', *Gardeners' Chronicle*, 9 September 1843, p. 628.

Darwin, C. 'On the origin of mould', *Gardeners' Chronicle*, 6 April 1844, p. 218.

Darwin, C. 'Manures, and Steeping Seeds', *Gardeners' Chronicle*, 8 June 1844, p. 380.

Darwin, C. 'Variegated Leaves', *Gardeners' Chronicle*, 14 September 1844, p. 621.

Darwin, C. 'What is the Action of Common Salt on Carbonate of Lime?', *Gardeners' Chronicle*, 14 September 1844, pp. 628-29.

Darwin, C. 'Bucket Ropes for Wells', *Gardeners' Chronicle*, 10 January 1852, p. 22.

Darwin, C. 'Does Sea-Water Kill Seeds?', *Gardeners' Chronicle*, 14 April 1855, p. 242.

Darwin, C. 'Does Sea-Water Kill Seeds?', *Gardeners' Chronicle*, 26 May 1855, pp. 356-57.

Darwin, C. 'Nectar-Secreting Organs of Plants', *Gardeners' Chronicle*, 21 July 1855, p. 487.

Darwin, C. 'Vitality of Seeds'. *Gardeners' Chronicle*, 17 November 1855, p. 758.

Darwin, C. 'Effect of Salt-Water on the Germination of Seeds', *Gardeners' Chronicle*, 1 December 1855, p. 789.

- Darwin, C. 'Longevity of Seeds', *Gardeners' Chronicle*, 29 December 1855, p. 854.
- Darwin, C. 'Seedling Fruit Trees', *Gardeners' Chronicle*, 29 December 1855 p. 854.
- Darwin, C. 'Effect of Salt-Water on the Germination of Seeds', *Gardeners' Chronicle*, 24 November 1855, p. 773.
- Darwin, C. 'Cross Breeding', *Gardeners' Chronicle*, no. 49, 6 December 1856, p. 806.
- Darwin, C. 'Hybrid Dianths', *Gardeners' Chronicle*, no. 10, 7 March 1857, p. 155.
- Darwin, C. 'The Subject of Deep Wells', *Gardeners' Chronicle*, no. 30, 25 July 1857, p. 518.
- Darwin, C. 'Bees and Fertilisation of Kidney Beans', *Gardeners' Chronicle*, 24 October 1857, p. 725.
- Darwin, C. 'Productiveness of Foreign Seed', *Gardeners' Chronicle*, no. 46, 14 November 1857, p. 779.
- Darwin, C. 'On the Action of Sea-Water on the Germination of Seeds', *Journal of the Proceedings of the Linnean Society, Botany*, 1, 1857, pp. 130-40.
- Darwin, C. and Wallace, A. F. 'On the Tendency of Species to form Varieties; and on the Perpetuation of Varieties and Species by Natural Means of Selection', *Journal of the Proceedings of the Linnean Society, Zoology*, 20 Aug. 1858, 3, pp. 45-62.
- Darwin, C. 'On the Agency of Bees in the Fertilisation of Papilionaceous Flowers, and on the Crossing of Kidney Beans', *Annals and Magazine of Natural History*, 3rd series ii. 1858, pp. 459-465.
- Darwin, C. 'Cross-bred Plants', *Gardeners' Chronicle*, no. 3, 21 January 1860 p. 49.
- Darwin, C. 'Do the Tineina or other Small Moths Suck Flowers, and if so what Flowers?', *Entomologist's Weekly Intelligencer* 8, 1860, p. 103.
- Darwin, C. 'Natural Selection', *Gardeners' Chronicle*, no. 16, 21 April 1860, pp. 362-63.
- Darwin, C. 'Fertilisation of British Orchids by Insect Agency', *Gardeners' Chronicle*, no. 23, 9 June 1860, p. 528.
- Darwin, C. 'Note on the achenia of *Pumilio Argyrolepis*', *Gardeners' Chronicle*, 5 January 1861, p. 4.
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