

Cambridge University Press
978-1-108-08367-6 - Scientific Papers of Asa Gray: Volume 2
Edited by Charles Sprague Sargent
Frontmatter
[More information](#)

CAMBRIDGE LIBRARY COLLECTION

Books of enduring scholarly value

Darwin, Evolution and Genetics

More than 150 years after the publication of *On the Origin of Species*, Darwin's 'dangerous idea' continues to spark impassioned scientific, philosophical and theological debates. This series includes key texts by precursors of Darwin, his supporters and detractors, and the generations that followed him. They reveal how scholars and philosophers approached the evidence in the fossil record and the zoological and botanical data provided by scientific expeditions to distant lands, and how these intellectuals grappled with topics such as the origins of life, the mechanisms that produce variation among life forms, and heredity, as well as the enormous implications of evolutionary theory for the understanding of human identity.

Scientific Papers of Asa Gray

Born in the state of New York, Asa Gray (1810–88) abandoned a medical career to pursue his true interest in botany. He sought the mentorship of the influential American botanist John Torrey and their collaborative efforts in classifying North American flora according to biological similarities paved the way for Gray's professorship at Harvard University after years of research. Gray was also one of the few scientists to whom Charles Darwin revealed his early ideas of evolutionary theory. After Gray's death, his fellow botanist Charles Sprague Sargent (1841–1927) compiled the lesser-known writings of a prolific author whose user-friendly *Manual of the Botany of the Northern United States* and other works inspired generations of botany enthusiasts. The two-volume collection appeared in 1889. Covering the period from 1841 to 1886, Volume 2 contains essays on botanical topics and biographical sketches of influential naturalists.

Cambridge University Press
978-1-108-08367-6 - Scientific Papers of Asa Gray: Volume 2
Edited by Charles Sprague Sargent
Frontmatter
[More information](#)

Cambridge University Press has long been a pioneer in the reissuing of out-of-print titles from its own backlist, producing digital reprints of books that are still sought after by scholars and students but could not be reprinted economically using traditional technology. The Cambridge Library Collection extends this activity to a wider range of books which are still of importance to researchers and professionals, either for the source material they contain, or as landmarks in the history of their academic discipline.

Drawing from the world-renowned collections in the Cambridge University Library and other partner libraries, and guided by the advice of experts in each subject area, Cambridge University Press is using state-of-the-art scanning machines in its own Printing House to capture the content of each book selected for inclusion. The files are processed to give a consistently clear, crisp image, and the books finished to the high quality standard for which the Press is recognised around the world. The latest print-on-demand technology ensures that the books will remain available indefinitely, and that orders for single or multiple copies can quickly be supplied.

The Cambridge Library Collection brings back to life books of enduring scholarly value (including out-of-copyright works originally issued by other publishers) across a wide range of disciplines in the humanities and social sciences and in science and technology.

Cambridge University Press
978-1-108-08367-6 - Scientific Papers of Asa Gray: Volume 2
Edited by Charles Sprague Sargent
Frontmatter
[More information](#)

Scientific Papers of Asa Gray

VOLUME 2

EDITED BY
CHARLES SPRAGUE SARGENT



Cambridge University Press
978-1-108-08367-6 - Scientific Papers of Asa Gray: Volume 2
Edited by Charles Sprague Sargent
Frontmatter
[More information](#)

CAMBRIDGE
UNIVERSITY PRESS

University Printing House, Cambridge, CB2 8BS, United Kingdom

Cambridge University Press is part of the University of Cambridge.
It furthers the University's mission by disseminating knowledge in the pursuit of
education, learning and research at the highest international levels of excellence.

www.cambridge.org

Information on this title: www.cambridge.org/9781108083676

© in this compilation Cambridge University Press 2015

This edition first published 1889

This digitally printed version 2015

ISBN 978-1-108-08367-6 Paperback

This book reproduces the text of the original edition. The content and language reflect
the beliefs, practices and terminology of their time, and have not been updated.

Cambridge University Press wishes to make clear that the book, unless originally published
by Cambridge, is not being republished by, in association or collaboration with,
or with the endorsement or approval of, the original publisher or its successors in title.

Cambridge University Press
978-1-108-08367-6 - Scientific Papers of Asa Gray: Volume 2
Edited by Charles Sprague Sargent
Frontmatter
[More information](#)

SCIENTIFIC PAPERS

OF

ASA GRAY

SELECTED BY

CHARLES SPRAGUE SARGENT

VOL. II.

ESSAYS; BIOGRAPHICAL SKETCHES

1841-1886

London
MACMILLAN AND CO.
1889

Cambridge University Press

978-1-108-08367-6 - Scientific Papers of Asa Gray: Volume 2

Edited by Charles Sprague Sargent

Frontmatter

[More information](#)

**The Riverside Press, Cambridge, Massachusetts, U. S. A.
Printed by H. O. Houghton and Company.**

CONTENTS.

ESSAYS.

	PAGE
EUROPEAN HERBARIA	1
NOTES OF A BOTANICAL EXCURSION TO THE MOUNTAINS OF NORTH CAROLINA	22
THE LONGEVITY OF TREES	71
THE FLORA OF JAPAN	125
SEQUOIA AND ITS HISTORY	142
DO VARIETIES WEAR OUT OR TEND TO WEAR OUT	174
ÆSTIVATION AND ITS TERMINOLOGY	181
A PILGRIMAGE TO TORREYA	189
NOTES ON THE HISTORY OF HELIANTHUS TUBEROSUS	197
FOREST GEOGRAPHY AND ARCHÆOLOGY	204
THE PERTINACITY AND PREDOMINANCE OF WEEDS	234
THE FLORA OF NORTH AMERICA	243
GENDER OF NAMES OF VARIETIES	257
CHARACTERISTICS OF THE NORTH AMERICAN FLORA	260

BIOGRAPHICAL SKETCHES.

BROWN AND HUMBOLDT	283
AUGUSTIN-PYRAMUS DE CANDOLLE	289
BENJAMIN D. GREENE	310
CHARLES WILKES SHORT	312
FRANCIS BOOTT	315
WILLIAM JACKSON HOOKER	321
JOHN LINDLEY	333
WILLIAM HENRY HARVEY	337
HENRY P. SARTWELL	343
CHESTER DEWEY	345
NATHANIEL BAGSHAW WARD	349
MOSES ASHLEY CURTIS	351
HUGO VON MOHL	354
ROBERT WIGHT	356
FREDERICK WELWITSCH	358

Cambridge University Press
 978-1-108-08367-6 - Scientific Papers of Asa Gray: Volume 2
 Edited by Charles Sprague Sargent
 Frontmatter
[More information](#)

iv

CONTENTS.

JOHN TORREY	359
WILLIAM STARLING SULLIVANT	370
JEFFRIES WYMAN	377
DANIEL HANBURY	401
ALEXANDER BRAUN	403
CHARLES PICKERING	406
ELIAS MAGNUS FRIES	411
JACOB BIGELOW	413
JOHN CAREY	417
THOMAS POTTS JAMES	419
JOHN AMORY LOWELL	421
CHARLES DARWIN	425
JOSEPH DECAISNE	437
GEORGE ENGELMANN	439
OSWALD HEER	447
GEORGE BENTHAM	451
AUGUSTUS FENDLER	465
CHARLES WRIGHT	468
GEORGE W. CLINTON	475
EDMOND BOISSIER	479
JOHANNES AUGUST CHRISTIAN REPER	482
LOUIS AGASSIZ	483
EDWARD TUCKERMAN	491