2013

Contents 31(1)

Follow this and additional works at: http://scholarship.claremont.edu/aliso

Recommended Citation
Available at: http://scholarship.claremont.edu/aliso/vol31/iss1/1
Pectocarya anisocarpa, a new species of Buraginaceae, and a revised key for the genus in western North America

C. W. N. Guillaum, Barbara A. Veno, Michael G. Simpson, and Ronald B. Kelley

1

Calystegia vaccinifolia (Convolvulaceae), a remarkable new species from central California

R. K. Brunvandt and Sandra M. Namoff

15

Heilantus wintert (Asteraceae), a new perennial species from the southern Sierra Nevada foothills, California

John C. Dietz, Chris J. Wincheil, and John F. H. Constable

19

Genetic diversity in Swallenia alexandrae (Poaceae, Chloridoideae), a narrow endemic from the Eureka Dunes (Inyo County, California)

Hestor L. Bell

25

Discovery of Claytonia lanceolata var. peisonis in the San Bernardino Mountains perpetuates a history of taxonomic uncertainty

Thomas K. Stoupham and Diana J. Seabes

35

A newly discovered large and significant population of Castela emori (Emory’s crucifixion thorn, Simaroubaceae) in California

Duncan J. Bell and Sayra Herskowitz

43

Factors determining mortality of adult chaparral shrubs in an extreme drought year in California

William J. S. Paddock, III, Stephen D. Davis, R. Brandon Pratt, Anna L. Jacobsen, Michael F. Tobin, Jorge López-Portillo, and Frank W. Ewers

49

Submission of Manuscripts

Instructions for Contributors may be obtained at http://rsabg.org/scientific-publications or requested from the Editor-in-Chief (aliso@rsabg.org). Publication in *Aliso* is associated with a voluntary contribution of $50 per page to offset print publication. Costs of color illustrations are borne (in part) by the author. They are charged at $300 per printed page of color; RSABG affiliates and *Aliso* print subscribers are granted two gratis pages of color per year. *Aliso* retains ownership of the copyright for the work; reproduction, posting, transmission or other distribution or use of the article or any material therein is permitted by *Aliso* but requires credit to the authority and journal.

Published by Rancho Santa Ana Botanic Garden, 1500 North College Avenue, Claremont, California 91711-3157

ISSN 0065-6275 (PRINT), 2327-2929 (ONLINE)

*Aliso*, Vol. 31, No. 1, was issued 15 October 2013

Every effort has been made to trace the original source of copyrighted material contained in this volume. On behalf of the authors, the publisher apologizes for any omissions or errors.

Editorial Board

J. Travis Columbus  J. Mark Porter

Vanessa E. T. M. Ashworth, Editor-in-Chief

Lucinda A. McDade, Managing Editor

*Aliso: A Journal of Systematic and Evolutionary Botany* is the scientific journal of Rancho Santa Ana Botanic Garden. International in scope, the journal specializes in plant evolutionary biology and systematics. *Aliso* also features papers on floristics and other facets of botanical research pertaining to the western United States and areas of comparable climate and vegetation. First published in 1948, the journal is named for the aliso, the Spanish word used by the early Californians for the western sycamore (*Platanus racemosa Nutt.*), a tree associated with the founding of Rancho Santa Ana Botanic Garden.

CONTENTS


OCCASIONAL PUBLICATIONS AND MISCELLANEOUS PAPERS

Other publications available through RSABG [some in limited quantities]

Huang, Dunse A. A conservation plan for *Lupinus huescens* (San Luis Obispo County lupine, Fabaceae). Rancho Santa Ana Botanic Garden Occasional Publications No. 11. $35.95.


Boyd, Steve. 1999. Vascular flora of the Litttle Mountains, Western Transverse Ranges, California. Rancho Santa Ana Botanic Garden Occasional Publications No. 5 (out of print; also available in *Aliso* 18(2)).


Lene, Lee W. 1986. Marcus E. Jones, western geologist, mining engineer & botanist. pp. xv + 486. $10.00

N.B. Shipping is $4.00 for each Occasional Publication*, each miscellaneous Paper; and/or up to two *Aliso* Symposium items. California residents, add 9.75% for state and county taxes to cost of publication(s). Do not add tax to shipping costs. Please contact for shipping cost outside US. When ordering, please include telephone, fax or e-mail contact. Visa and Master Card accepted; please include expiration date and signature. For Monocots volumes, contact Missouri Botanical Garden Press (www.mbgpress.org). *For purchase/shipping of Occasional Publication No. 10, contact iholiman@rsabg.org

Scientific Publication Sales, Subscriptions, and Back Issues

Inquiries concerning sales, subscriptions, purchase of back issues, and exchanges should be addressed to iholiman@rsabg.org.