## **BioOne** COMPLETE

### COVER

Source: The Bryologist, 126(1)

Published By: The American Bryological and Lichenological Society

URL: https://doi.org/10.1639/0007-2745-126.1.C1

BioOne Complete (complete.BioOne.org) is a full-text database of 200 subscribed and open-access titles in the biological, ecological, and environmental sciences published by nonprofit societies, associations, museums, institutions, and presses.

Your use of this PDF, the BioOne Complete website, and all posted and associated content indicates your acceptance of BioOne's Terms of Use, available at www.bioone.org/terms-of-use.

BioOne sees sustainable scholarly publishing as an inherently collaborative enterprise connecting authors, nonprofit pownloaded From: previous stress, and research funders in the common goal of maximizing access to

### **CONTENTS** 126(1): 1-166

### • • •

### **RESEARCH ARTICLES**

- 1 Olivia A. Asher, John Howieson and James C. Lendemer A new perspective on the macrolichen genus *Platismatia* (Parmeliaceae, Ascomycota) based on molecular and phenotypic data
- 19Graciela Paz-Bermúdez, Pradeep Kumar Divakar, Javier Etayo and Elena Araujo<br/>The lichen collection from Angola and Mozambique in COI (Coimbra, Portugal)
- 35 William B. Sanders and Asunción de los Ríos Structure of foliicolous lichen thalli formed by some common lecanoralean taxa in subtropical leaf communities
- 45 Robert Wyatt, Ireneusz J. Odrzykoski and Ann Stoneburner Isozyme evidence regarding relationships within *Rhizomnium* (Mniaceae)
- 52 Raymond J. Ritchie and Suhailar Sma-Air Photosynthetic electron transport in a tropical moss *Hyophila involuta*
- 69 A. Jonathan Shaw, Marta Nieto-Lugilde, Blanka Aguero, Aaron Duffy, Bryan T. Piatkowski, Juan Jaramillo-Chico, Sean Robinson, Kristian Hassel, Kjell Ivar Flatberg, David J. Weston, Scott Schuette and Karen A. Hicks

*Sphagnum diabolicum* sp. nov. and *S. magniae* sp. nov.; morphological variation and taxonomy of the "*S. magellanicum* complex"

- 90 Joseph R. Di Meglio and Trevor Goward Resolving the *Sticta fuliginosa* morphodeme (lichenized Ascomycota: Peltigeraceae) in northwestern North America
- 111 James C. Lendemer and Jason P. Hollinger Schadonia saulskellvana (Pilocarpaceae: Lichenized Ascor

*Schadonia saulskellyana* (Pilocarpaceae; Lichenized Ascomycetes) an unusual new species endemic to the southern Appalachian Mountains of eastern North America

129 Robert Wyatt, Nils Cronberg and Ireneusz J. Odrzykoski Differences in genetic diversity and reproductive performance of a moss, a leafy liverwort, and a thalloid liverwort from forests of contrasting ages

### **RECENT LITERATURE**

- 139 John J. Atwood, William R. Buck and John C. Brinda Recent literature on bryophytes—126(1)
- 154 James C. Lendemer Recent literature on lichens—268

### **BOOK REVIEW**

164 Javier Etayo Volume one of a new worldwide flora of lichenicolous fungi – Basidiomycota

# THE BRYOLOGIST | 126(1): 1–166 | Spring 20

## A Journal of Bryology and Lichenology THE BRYOLOGIST



VOLUME 126 NUMBER 1 Spring 2023



American Bryological and Lichenological Society



### GENERAL INFORMATION

THE BRYOLOGIST publishes research papers and reviews dealing with all aspects of bryology and lichenology. All manuscripts are reviewed by two or more referees before acceptance. Deadlines for the four issues are the 15th of February, May, August, and November. Manuscripts should be submitted electronically to The Bryologist online at http://www.editorialmanager.com/ bryologist/. Instructions to authors and editor contact information is available at ABLS.org and at PeerTrack/bryologist. Email contact for the journal is: bryologist@peertrack.net

THE BRYOLOGIST (ISSN 0007-2745), a journal devoted to the study of bryophytes and lichens, is published quarterly by The American Bryological and Lichenological Society, Inc. Renew subscription and membership online at: http://abls.allenpress.com/ ABLS. Annual dues for membership in the Society are US\$25 (\$10 for students; \$35 for families; \$1000 for lifetime). The 2019 cost for individuals to receive THE BRYOLOGIST is an additional \$45 (online only) or \$60 (hard copy and online), and to receive Evansia an additional \$15 (online only) or \$25 (hard copy and online). Members with non-U.S.A. & non-Canada addresses must pay an additional amount for mailing costs: \$25 per year for THE BRYOLOGIST and \$10 per year for Evansia. U.S.A. institutions may subscribe to THE BRYOLOGIST hard copy for \$160 per volume (\$190 for all other institutions). The cost for Evansia hard copy for U.S.A. institutions is \$70 (\$80 for all other institutions). Airmail delivery can be arranged for an additional fee; contact the ABLS Membership Services Office http://abls.allenpress.com/ ABLS. Contact the Secretary with any other questions: Diane Haughland, Alberta Biodiversity Monitoring Institute, Royal Alberta Museum 9810 103a Ave NW, Edmonton, AB, T5J 0G2 Canada. E-mail: diane.haughland@gov.ab.ca

POSTMASTER: send address changes to ABLS Member Services, Allen Press, P.O. Box 7065, Lawrence, KS 66044.

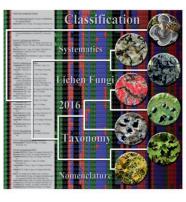
### The Bryologist and ABLS website is at http://www.abls.org

Cover illustration: Sphagnum diabolicum a new species discovered within the "S. magellanicum complex." Specimen from Pike County, Pennsylvania. Delaware State Forest (Pocono Mountains region). Male plants (Shaw 2022-223, duke). See article by Shaw et al., page 69.

Copyright © 2023 American Bryological and Lichenological Society, Inc.

All rights reserved. No part of this publication may be reproduced, stored in a retrieval system, or transmitted in any form, or by any means, electronic, mechanical, photocopying, recording or otherwise, without written permission of the publisher.

### THE BRYOLOGIST







### A Journal of Bryology and Lichenology THE BRYOLOGIST















### A Journal of Bryology and Lichenology THE BRYOLOGIST













A Journal of Bryology and Lichenology THE BRYOLOGIST





THE BRYOLOGIST is published online at BioOne Complete and issues can be accessed at https://bioone.org/journals/the-bryologist.

### **BioOne** COMPLETE