



<http://www.biodiversitylibrary.org/>

Proceedings of the Biological Society of Washington.

Washington, Biological Society of Washington

<http://www.biodiversitylibrary.org/bibliography/3622>

v. 52 (1939): <http://www.biodiversitylibrary.org/item/107601>

Article/Chapter Title: Natural History of Plummers Island, Maryland. VIII.
Lichens.

Author(s): E C Leonard, E P Killip

Subject(s): Lichens, WBFC, Plummers Island

Page(s): Page 23, Page 24, Page 25, Page 26

Contributed by: Smithsonian Libraries

Sponsored by: Biodiversity Heritage Library

Generated 20 August 2015 4:54 PM

<http://www.biodiversitylibrary.org/pdf4/042371500107601>

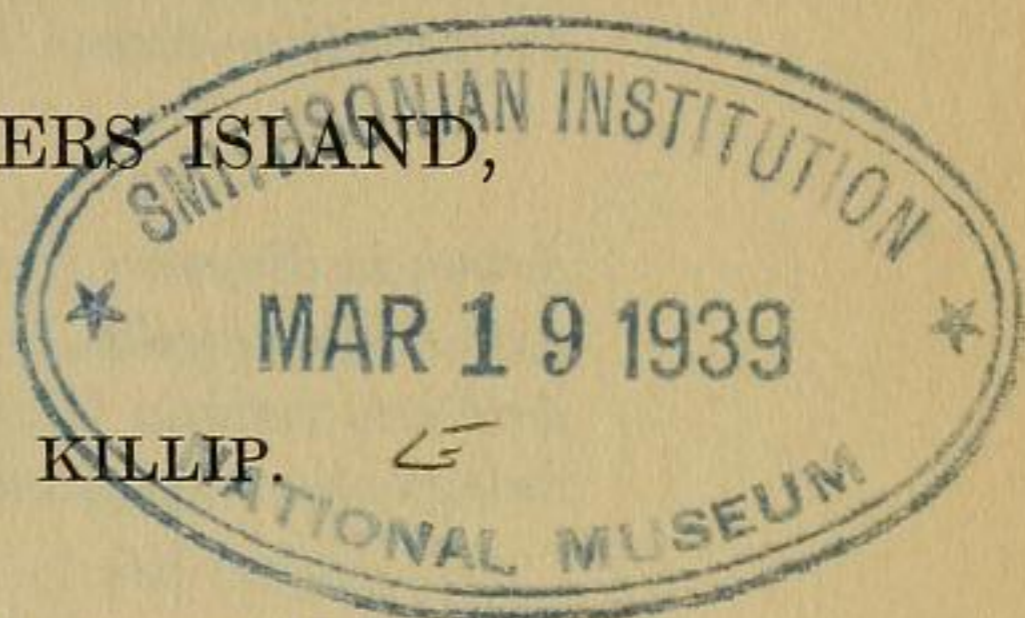
This page intentionally left blank.

PROCEEDINGS
OF THE
BIOLOGICAL SOCIETY OF WASHINGTON

NATURAL HISTORY OF PLUMMERS ISLAND,
MARYLAND.

VIII. LICHENS.

BY E. C. LEONARD AND E. P. KILLIP.



The accompanying list of lichens from Plummers Island and the adjacent property of the Washington Biologists' Field Club in Montgomery County, Maryland, is based upon the collections in the United States National Herbarium. Much of this material was worked over by Professor Bruce Fink in connection with the preparation of his book, "The Lichen Flora of the United States," these specimens having been mostly collected by Professor Fink and by Dr. William R. Maxon. The collections of the senior author, made more recently, have been studied in part by Mrs. Joyce Hedrick Jones, of the University of Michigan, and in part by Edward C. Berry, of the Missouri Botanical Garden, to whom we are very grateful for the identifications. The nomenclature adopted in the present paper is that of Professor Fink, except in *Cladonia*. Some of the earlier collections of that genus from Plummers Island were reviewed by C. A. Robbins¹ and the recent ones have been studied by Dr. A. W. Evans, of Yale University. Their identifications form the basis of the present treatment.

There are included here 91 species, with 4 additional varieties and 18 forms. Of these, 4 species are known only from the "mainland" property and are indicated by an asterisk.

DERMATOCARPACEAE.

Dermatocarpon aquaticum (Weis) Zahlbr. Rock outcrop, exposed to high water.

Dermatocarpon miniatum (L.) Mann. On rocks above water-line. Rare.

Var. *fulvofuscum* (Tuck.) Zahlbr. Rock slope.

¹See C. A. Robbins & S. F. Blake, *Cladonia* in the District of Columbia and vicinity. *Rhodora* 33: 145-159, pl. 210-212. 1931.

MAR 15 1939

PYRENULACEAE.

- Arthopyrenia alba* (Schrad.) Zahlbr. On hickories.
Arthopyrenia cerasi (Schrad.) Mass. On young oaks.
Arthopyrenia quinquesepata (Nyl.) Muell. On hickories.
Pyrenula nitida (Weig.) Ach. On trees.

TRYPETHELIACEAE.

- Trypethelium virens* Tuck. On trees.

ARTHONIACEAE.

- Arthonia dispersa* (Schrad.) Nyl. On trees.
Arthonia lecideella Nyl. On trees.
Arthonia radiata (Pers.) Ach. On trees.
Arthothelium spectabile Mass. On trees.

GRAPHIDACEAE.

- Opegrapha varia* Pers. On trees; frequent.
Opegrapha vulgata Ach. On trees.
Graphis scripta (L.) Ach. Common on trees.

COLLEMACEAE.

- Synechoblastus rupestris* (Sw.) Trev. On rocks and trees. Occasional.
Leptogium pulchellum (Ach.) Nyl. On shaded rocks.
Leptogium tremelloides var. *azureum* (Sw.) Nyl. On shaded rocks and in crevices of rocks. Occasional.

PANNARIACEAE.

- Pannaria leucosticta* Tuck. On mossy rocks.
Coccocarpia incisa Pers. On shaded rocks.

PELTIGERACEAE.

- Nephroma helveticum* Ach. On mossy rocks.
Peltigera canina (L.) Willd. Common on soil and mossy rocks.
Peltigera horizontalis (Huds.) Baumg. Rock outcrop.
Peltigera rufescens (Weis) Humb. On mossy rocks.
Peltigera sorediata (Schaer.) Fink. Shaded soil.

LECIDEACEAE.

- Lecidea albocaerulescens* (Wulf.) Ach. Rock outcrop. Abundant.
Lecidea coarctata (J. E. Sm.) Nyl. ? On rocks. Our specimen doubtfully referred to this by Fink.
 **Lecidea leucophaea* (Floerke) T. Fries. Rock outcrop.
Lecidea leucophaeoides Nyl. On rocks.
Bacidia atrogrisea (Hepp) Koerb. On trees.
Bacidia fuscorubella (Hoffm.) Bausch. On trees.
Bacidia rubella (Hoffm.) Mass. On trees.
 **Bacidia schweinitzii* (Tuck.) Schneid. On trees.
Rhizocarpon albineum (Tuck.) Fink. On shaded rocks.

CLADONIACEAE.

- Cladonia apodocarpa* Robbins. Dry soil or rocks.
Cladonia bacillaris (Del.) Nyl. On logs.
Cladonia caespiticia (Pers.) Floerke. On shaded rocks.
Cladonia chlorophaea (Floerke) Spreng. Rock outcrop and on thin soil.
 Forma *lepidophora* (Floerke) Sandst. On rocks. Rare.
 Forma *simplex* (Hoffm.) Arn. On damp ground and shaded rocks.
Cladonia clavulifera Wain. Thin soil on rocks.
 Forma *nudicaulis* Evans. Rock outcrop.
 Forma *pleurocarpa* Robbins. Thin soil.
 Forma *subvestita* Robbins. In soil.
Cladonia coniocraea f. *ceratodes* (Floerke) Wain. Rock outcrop.
 Forma *truncata* (Floerke) Wain. Rock outcrop.
Cladonia cristatella Tuck. Soil, and occasionally on trees.
 Forma *beauvoisii* (Del.) Wain. Exposed roots of red cedar.
 Forma *vestita* Tuck. Rock outcrop.
Cladonia furcata (Huds.) Schrad. Thin soil or shaded rocks.
 Var. *pinnata* (Floerke) Wain. Rock outcrop.
 Forma *foliolosa* (Del.) Wain. On rocks.
 Forma *turgida* (Scriba) Sandst. Rock outcrop.
 Var. *racemosa* (Hoffm.) Floerke. Rock outcrop.
 Forma *squamulifera* Sandst. Open rocky slope.
Cladonia grayi Merr. Open slopes and rock outcrop.
 Forma *squamulosa* Sandst. Rock outcrop.
Cladonia impexa Harm. On mossy rocks.
Cladonia macilenta f. *styracella* (Ach.) Wain. Rock outcrop.
Cladonia mitrula Tuck. Logs and shaded soil. Common.
 Forma *imbricatula* (Nyl.) Wain. Thin soil. Common.
Cladonia piedmontensis Merr. Rocky hill.
 Forma *obconica* Robbins. On rocks.
 Forma *squamulosa* Robbins. On rocks.
Cladonia pityrea (Floerke) Fries. On logs.
Cladonia pleurota (Floerke) Schaer. Among rocks in woods and on rock outcrop. Rare.
 Forma *decorata* (Wain.) Evans. Rock outcrop.
 Var. *cerina* (Nagel) Th. Fries. Rare.
Cladonia pyxidata var. *neglecta* (Floerke) Mass. On partially shaded rocks.
Cladonia subcariosa f. *evoluta* Wain. Deciduous woods.
Cladonia tenuis (Floerke) Harm. Rock outcrop.
 Forma *setigera* Sandst. Rock outcrop.
Cladonia verticillata (Hoffm.) Schaer. Thin soil.
 Forma *phyllophora* (Ehrh.) Flot. On rocks. Rare.

ACAROSPORACEAE.

- Biatorrella clavus* (Lam. & DC.) T. Fries. On partly exposed rocks.
Biatorrella simplex (Dav.) Branth & Rostr. On partly exposed rocks.
Acarospora cervina (Ach.) Mass. On rocks near water.

PERTUSARIACEAE.

- Pertusaria leioplaca* (Ach.) Lam. & DC. On tree.
Pertusaria pertusa (L.) Tuck. On trees and rocks.

LECANORACEAE.

- Lecanora muralis* var. *saxicola* (Poll.) Tuck. On rocks near water.
Lecanora subfusca var. *campestris* Rabenh. Rock outcrop.
Lecanora varia (Hoffm.) Ach. On tree.
Ochrolechia pallescens (L.) Mass. On branches.

PARMELIACEAE.

- Parmelia aurulenta* Tuck. On trees and shaded rocks.
Parmelia borrieri Turn. Rock outcrop.
Parmelia caperata (L.) Ach. Rock outcrop and on trees.
Parmelia centrifuga (L.) Ach. Rock outcrop.
Parmelia cetrata Ach. On red cedar.
Parmelia conspersa (Ehrh.) Ach. On rocks.
 **Parmelia crinita* Ach. Rock outcrop.
Parmelia perforata (Wulf.) Ach. On red cedar.
Parmelia perlata (L.) Ach. On rocks.
Parmelia rudecta Ach. On trees and rocks.
Parmelia quercina (Willd.) Wain. On rock outcrop and trees.
Parmelia sulphurata Nees & Flot. On trees.

USNEACEAE.

- Usnea barbata* (L.) Wigg. On red cedar.

CALOPLACACEAE.

- Caloplaca aurantiaca* (Lightf.) T. Fries. On rocks near water.
Caloplaca modesta (Zahlbr.) Fink. On rocks near water.

BUELLIACEAE.

- Buellia parasema* var. *triphragmia* (Nyl.) T. Fries. On trees.
Buellia spuria (Schaer.) Anzi. On rocks.
Rinodina ascociscana Tuck. Rock outcrop.
Rinodina biatorina Koerb. On rocks near water.
Rinodina oreina (Ach.) Mass. On exposed rocks. Rare.
Rinodina sophodes (Ach.) Mass. On rocks and trees.

PHYSICIACEAE.

- Physcia caesia* (Hoffm.) Hampe. Rock outcrop.
Physcia lithotodes Nyl. On trees.
Physcia obscura (Ehrh.) Hampe. On rocks.
Physcia stellaris (L.) Nyl. On trees and rocks. Rare.
Physcia teretiuscula (Ach.) Lynge. Rock outcrop.
 **Physcia tribacia* (Ach.) Nyl. On dead wood.
Anaptychia aquila (Ach.) Mass. On rocks.
Anaptychia speciosa (Wulf.) Mass. On shaded rocks.

LEPRARIACEAE.

- Amphiloma lanuginosum* (Hoffm.) Nyl. On wet rocks.