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Mosses

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III. MOSSES.

BY E. C. LEONARD.

In the present list 82 species of mosses are recorded from Plummers Island, Montgomery County, Maryland, and the adjacent "mainland" property of the Washington Biologists' Field Club, of which 62 are definitely known from the Island and 20 (marked by an asterisk) only from the mainland. All except *Buxbaumia aphylla* are represented by preserved specimens.

DITRICHACEAE.

- **Pleuridium alternifolium* (Kaulf.) Rabenh. Old fields.
Ditrichum lineare (Sw.) Lindb. (*D. vaginans*). Soil in open places, often bordering paths through old fields.
Ditrichum pallidum (Schreb.) Hampe. Soil in woods.

DICRANACEAE.

- Bruchia sullivantii* Aust. Old fields.
Dicranella heteromalla (L.) Schimp. Soil in open woods, rarely on rotten logs.
 **Dicranum flagellare* Hedw. Rotten logs in low swampy places.
Dicranum fulvum Hook. On rocks.
Dicranum scoparium (L.) Hedw. Abundant, forming cushions on soil in rich woods, rarely on rocks.

LEUCOBRYACEAE.

- Leucobryum glaucum* (L.) Schimp. Forming white or light green cushions on soil, usually in thin woods.

FISSIDENTACEAE.

- **Fissidens cristatus* Wils. Swampy soil.
Fissidens osmundoides (Sw.) Hedw. Damp shaded soil on banks, rotten wood, or in crevices of rock.
Fissidens subbasilaris Hedw. Trees and rocks.

POTTIACEAE.

- **Astomum sullivantii* Schimp. Field bordering towpath.
 **Weisia viridula* (L.) Hedw. Field bordering towpath.
 **Tortella caespitosa* (Schwaegr.) Limpr. Soil, roots of trees, and rotten logs.

PTYCHOMITRIACEAE.

- Ptychomitrium incurvum* (Schwaegr.) Sulliv. Rocks; west end of Island.

GRIMMIACEAE.

- Grimmia campestris* Bruch. (*G. leucophea* Grev.) Common on rock outcrop.
Grimmia olneyi Sulliv. Rock outcrop; west end of Island.
Grimmia pennsylvanica Schwaegr. Common on rock outcrop.

ORTHOTRICHACEAE.

- Drummondia clavellata* Hook. On bark.
 **Orthotrichum ohioense* S. & L. On trees.
Orthotrichum pusillum Mitt. (*O. psilocarpum* James.) On trees.
Ulotia ulophylla Ehrh. (*U. crispa* Brid.) On bark.

EPHEMERACEAE.

Ephemerum serratum (Schreb.) Hampe. Shady mud banks.

FUNARIACEAE.

Physcomitrium turbinatum (Mx.) Brid. Soil or occasionally rotten wood, in old fields or open woods.

BRYACEAE.

Bryum capillare L. Crevices of Cactus Rock. Not previously reported from the vicinity of the District of Columbia.

MNIACEAE.

Mnium affine ciliare (Grev.) C. M. Low wet soil, often at base of trees.

Mnium cuspidatum (L.) Leyss. (*M. sylvaticum* Lindb.) Low wet soil.

AULACOMNIACEAE.

**Aulacomnium heterostichum* (Hedw.) B. & S. Base of trees in rich woods.

**Aulacomnium palustre* Schwaegr. Rotten logs or soil in wet shaded hollows.

BARTRAMIACEAE.

Bartramia pomiformis (L.) Hedw. On rocks or soil in moist woods.

DIPHYSCIACEAE.

**Diphyscium sessile* (Schmid.) Lindb. (*Webera sessilis* Lindb.) Bare moist banks.

BUXBAUMIACEAE.

**Buxbaumia aphylla* L. Has been collected on a thinly wooded bank near the towpath, but no specimens are preserved.

POLYTRICHACEAE.

Catharinea angustata Brid. Abundant on shady soil.

Catharinea undulata (L.) Web. & Mohr. Common on low moist soil.

Polytrichum commune L. Soil, especially in rocky open places or thin woods.

Polytrichum ohioense R. & C. Common. Soil in woods, rarely in open places.

HEDWIGIACEAE.

Hedwigia albicans (Web.) Lindb. On rocks.

CLIMACIACEAE.

Climacium americanum Brid. Wet or dry soil, rocks, or rotten wood in thin woods.

**Climacium kindbergii* (R. & C.) Grout. Swamps, often growing in shallow water.

LEUCODONTACEAE.

Forsstroemia trichomitria (Hedw.) Lindb. On trees.

Leucodon julaceus (Hedw.) Sulliv. Tree trunks.

ENTODONTACEAE.

Entodon cladorrhizans (Hedw.) C. M. Usually on rotten logs, but sometimes on muddy rocks, soil, and base of trees.

Entodon seductrix (Hedw.) C. M. Rotten wood, rocks, soil, base of trees.

THELIACEAE.

Thelia asprella Sulliv. In loosely adherent mats on base of trees and stumps.

Thelia hirtella (Hedw.) Sulliv. Forming whitish green mats on base of trees and stumps.

Thelia lescurii Sulliv. Rocks or dry sandy soil.

THUIDIACEAE.

Anomodon attenuatus (Schreb.) Hueben. Abundant on rocks and bases of trees.

Anomodon minor (Beauv.) Fuern. Base of rough-barked trees, or occasionally on rocks.

Anomodon rostratus (Hedw.) Schimp. In dense yellowish green mats on rocks or at base of trees.

**Haplocladium microphyllum* (Sw.) Broth. Moist logs, or occasionally on rocks.

**Haplocladium virginianum* (Brid.) Broth. On ground, stumps, or roots in open woods.

Helodium paludosum (Sulliv.) Aust. Wet grassy places.

Thuidium delicatulum (L.) Mitt. Stones, earth, rotten logs, etc., in damp shady places.

Thuidium recognitum (L.) Hedw. Soil, rocks, and rotten wood, in damp shady places.

Leskea polycarpa Ehrh. Base of trees, rotten wood, or rarely stones.

Leskea arenicola Best. Usually on base of trees.

Leskea gracilescens Hedw. Base of trees or on rotten wood.

Leskea obscura Hedw. Base of trees, rotten wood, or occasionally on rocks.

AMBLYSTEGIACEAE.

Amblystegium juratzkanum Schimp. Moist soil, stones, and rotten wood.

Amblystegium kochii Bryol. Eur. Soil or rotten logs, in swampy places.

**Amblystegium orthocladon* (Beauv.) Jaeger. Stones, rotten wood, base of trees, etc., in moist places in woods.

Amblystegium riparium (L.) Bryol. Eur. In swamps and on base of trees, roots, etc.

Amblystegium serpens (L.) Bryol. Eur. Base and roots of trees, rotten logs, soil, rocks, etc., in moist woods.

Amblystegium varium (Hedw.) Lindb. Base and roots of trees, rotten logs, soil, rocks, etc., in moist woods.

Campylium hispidulum (Brid.) Mitt. Base and roots of trees, old logs, soil, etc., in moist shaded places.

HYPNACEAE.

Homomallium adnatum (Hedw.) Broth. Rocks or occasionally on trees or logs.

Platygyrium repens (Brid.) Bryol. Eur. Common on bark, old logs, and stumps.

Pylaisia intricata (Hedw.) Card. On bark.

**Pylaisia schimperii* Card. On bark.

Stereodon curvifolius (Hedw.) Mitt. Rotten logs or occasionally on rocks in moist woods.

Stereodon imponens (Hedw.) Lindb. On logs, earth, stones, etc., in moist woods.

Isopterygium deplanatum (Sulliv.) Mitt. Soil, stones, rotten wood, etc., in woods.

BRACHYTHECIACEAE.

Homalotheciella subcapillata (Hedw.) Broth. On bark and logs.

Brachythecium acuminatum (Hedw.) Kindb. Rocks, soil, base of trees, rotten logs, etc., in woods.

Brachythecium oxycladon (Brid.) Jaeger. Rocks, roots, and base of trees, earth, etc., in woods.

Brachythecium plumosum (Sw.) B. & S. On stones, logs, etc.

Brachythecium salebrosum (Hoffm.) Bryol. Eur. Earth, stones, base and roots of trees, rotten wood, etc., in moist woods.

Cirriphyllum bosci (Schwaegr.) Grout. Rocks and earth, in moist woods.

**Bryhnia graminicolor* (Brid.) Grout. Rocks and earth, in moist woods.

**Oxyrrhynchium hians* (Hedw.) Loesk. Soil in moist woods or old fields.

Rhynchostegium serrulatum (Hedw.) Jaeger. Leaf-humus or rotten logs, in woods.