

BRIEF NOTE

ADDITIONS TO THE LICHEN
FLORA OF OHIO¹

In the mid-1960's, Conan J. Taylor revised the foliose and fruticose lichen flora of Ohio and reported 178 species (Taylor, 1967; 1968). Since then, I have surveyed the lichens in several southeastern Ohio counties (Showman, 1973; 1975) and Mr. A. H. Claugus has made collections in central and eastern Ohio. Recently, work on the Ohio Biological Survey's Rare and Endangered Species List led to the investigation of lichens in some of the more remote areas of Jackson, Meigs, and Vinton counties. These studies resulted in one new species and five species of macrolichens that are new for Ohio. Collections were verified by Mason E. Hale, Jr. (curator of lichens, Smithsonian Inst.) and voucher specimens have been deposited in the lichen herbarium at Ohio State University. Except for the newly named species, nomenclature follows the Fourth Checklist of Lichens (Hale & Culberson, 1970). Many parts of Ohio are still relatively uncollected and a thorough search will undoubtedly yield more lichen species that are new for the state.

Dirinaria frostii (Tuck.) Hale & W. Culb.
Meigs Co., Sutton twp., section 2 and 14, on sandstone outcrop in mixed oak forest. Showman 2/26/76 and 3/4/76.
Meigs Co., Olive twp., section 30, on sandstone outcrop in mixed oak forest. Showman 3/16/76.

This small, tightly appressed lichen is usually found on vertical rock faces in open woods. The general distribution of this species is Appalachian and into the New England states (Hale, 1969).

Hypotrachyna showmanii Hale
Vinton Co., Clinton twp., sections 28, 34 & 35, on chestnut oak at all locations. Showman 10/75.
Meigs Co., Chester twp., section 6, on shagbark hickory. Showman 3/2/76.

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The type location of this recently described species (Hale, 1976) is in Vinton County. It has been found in only three locations outside of Ohio.

Parmelia cumberlandia (Gyel.) Hale
Monroe Co., Monroe Lake State Park, on sandstone boulder in open woods. Claugus 9/15/74.

This saxicolous lichen is widely distributed in North America.

Parmelia xanthina (Müll. Arg.) Vain
Jackson Co., Bloomfield twp., section 3, on large sandstone cliff in open woods. Showman 2/20/76.
Meigs Co., Sutton twp., section 14, on sandstone outcrop in open woods. Showman 3/4/76.

This species differs from *Parmelia madagascariacea* (Hue) des Abb. only in chemistry. *P. madagascariacea* has been reported from Jackson Co. (Taylor, 1967), and it was recently found in Vinton Co. (Showman 12/14/75). The distribution of both species is generally Appalachian.

Pseudevernia consocians (Vain.) Hale & W. Culb.
Meigs Co., Olive twp., section 20, in the canopy of a red oak in a mixed mesophytic forest. Showman 5/21/73.

The distribution of this subfruticose lichen is Appalachian and Boreal.

Ramalina petrina Bowler & Rundel
Jackson Co., Bloomfield twp., section 3, on large sandstone cliff in open woods. Showman 2/20/76.
Meigs Co., Olive twp., section 30, on sandstone outcrop in mixed oak forest. Showman 12/16/75.

This recently described species (Bowler & Rundel, 1974) is morphologically close to *Ramalina intermedia* (Del. ex Nyl.) Nyl., but differs chemically, showing a P⁺ orange reaction. The distribution of *R. petrina* is listed as Appalachian.

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