
ON THE OCCURRENCE OF FOSSOMBRONIA CRISTULA IN OHIO.

EDO CLAASSEN.

This beautiful liverwort reported, so far as the writer knows, by Underwood from New Jersey only (Gray's Manual, 6th Ed.), occurs in numberless specimens, often associated with *Dicranella heteromalla* Schimp., on a clayey field southwest of Brookside Park in Brooklyn Township, Cuyahoga County, Ohio.

Although very small in size it is easily identified by its peculiar thallus and more or less dark purple rhizoids. The description of it in Gray's Botany should, however, be corrected since the pedicel of the capsule when ripe surpasses the thallus considerably and the elaters contain one or two (mostly two) spirals.

One specimen was examined more closely as to its dimensions, and was found to be as follows:

1. Length of longest rhizoid, 1.36 mm.
2. Length of "rooting" part (broken off at end), 1.36 mm.
3. Height of plant from uppermost rhizoid on the horizontal stem to the top of the split capsule, about 5.1 mm.
4. Height of plant from uppermost rhizoid to top of thallus, 2.64 mm.
5. Length of pedicel (about 0.25 mm. thick) above the thallus, 1.36 mm.; or of entire pedicel from its origin, 3.4 mm.
6. Capsule (split and by depression expanded), height and width, about 1.1 to 1.2 mm. Capsules of other specimens (not split but ripe and globular in shape), diameter about 0.34 to 0.90 mm.
7. About a dozen spores were measured. Their diameter was between 0.044 and 0.048 mm.

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