

occur in spring. On old stumps at Sicamous, B.C., July 3rd, 1889 Placed under *F. osmundoides* in Part VI. On dead cedar roots Island Lake and on earth at White Trout Lake, Algonquin Park, July, 1900; on roots and earth by Lake Deschênes, above Britannia, October 27th, 1900. These specimens were named *F. Garberi* in Part VII, p. 204. On an old stump at Hull, Que., October 27th, 1907.

21. *FISSIDENS BUSHII*, CARD. ET THER.

Owen Sound, Ont., 6th Sept., 1890. New to Canada.

22. *FISSIDENS RUFULUS*, LINDB.

On rocks by a small waterfall in a brook near the Biological Station, Departure Bay, Vancouver Island, July 3rd, 1908. New to Canada.

23. *FISSIDENS (CONOMITRIUM) JULIANUS* (SAVI), VAR. *AMERICANUS*.

Leaves tapering to an acute, often subulate acumen.

Ontario, Hastings Co., Canadian Musci, n. 54 ("Conomitrium Hallianum," not so, named by me).

24. *TETRAPLODON URCEOLATUS* (BRID.) BRUCH. & SCHIMP.

\* *T. SUBMNIODES*, NEW SUBSPECIES.

Capsule small rufescent, scarcely reaching above the tufts; its neck scarcely longer; annulus none; pedicel thick yellowish, about 6-8 mm. long, not exserted. Leaves entire oval-oblong, often long-acuminate; costa strong, excurrent in a long point; as in *T. mnioides*. Tufts somewhat lax.

In the true European *T. urceolatus* the leaves are oval and obtusate, abruptly narrowed to a shortish point; costa not distinctly percurrent, capsule blackish-brown; pedicel nearly in its whole length exserted above the very compact tufts.

Although the habit of the present plant is very much different from European specimens, the characters are scarcely sufficient to distinguish it as a proper species. It needs also further observation.

Collected in Labrador in 1891 by the late Rev. A. C. Waghorne.

25. *TETRAPLODON MNIODES* (L. FIL.) BR. & SCH \* *BREWERI* (HEDW.)

It seems to be a subspecies of *T. mnioides*; its leaves are narrower with a very long-excurrent costa. The tufts are not always "loose" (Limpr.)

Collected on Hunker Creek, Yukon (No. 141), barren and loosely tufted; also (No. 143) fruiting and densely tufted: both in July, 1902. Coll. John Macoun.