

above the middle of the main axis, oblong-ovate, pinnate; pinnae more or less pinnatifid, their lobes oblong-ovate, obtuse; the shortly stalked fertile spike bipinnate.

New Brunswick:—Petitcodiac and Titusville. *Quebec*:—Cape Rosier, Gaspé; King's Mountain, Chelsea. *Ontario*:—Lake Superior; Belleville; five miles north of Campbellford, Northumberland County; Nipigon River and Islands on Lake Nipigon. *Nova Scotia*:—Pictou; Truemanville; Blomidon.

5. *B. LANCEOLATUM*, Angström. *Lance-leaved Grape-Fern*.—Frond from 2 to 6 or 8 inches high, rather thin; infertile lamina not stalked, arising from the main axis far above its middle, pinnate, pinnae pinnatifid (in well-developed individuals), lobes oblong lanceolate, acute, (the form of the ultimate lobes distinguishes this species from *B. matricariaefolium*); fertile spike short stalked, twice or thrice pinnate.

Nova Scotia:—Truemanville. *New Brunswick*:—Fredericton and Bass River. *Quebec*:—Magog.

6. *B. SIMPLEX*, Hitchcock. *The Simple-Fronded Grape-Fern*.—A few inches (1-6) high, fleshy and glabrous; infertile lamina stalked, usually arising from near the rhizome or below the middle of the main axis, small, more or less ovate, lobed or incised, the lobes obovate-cuneate; fertile spike once or twice pinnate.

Nova Scotia:—Windsor; Truemanville, Co. Cumberland. *New Brunswick*:—Petitcodiac; Fredericton; Dalhousie. *Quebec*:—Temisquata; Quebec; Montreal; Grenville, Argenteuil Co. *Ontario*:—Georgian Bay; meadows along the Kaministiquia River, above Fort William, Lake Superior. *North-West Territory*:—Between Cumberland House and Hudson Bay.

GENUS XXV.—*Ophioglossum*, LINN. *Adder's Tongue*.

O. VULGATUM, Linn. *Adder's Tongue*.—Rhizome fleshy, with a descending axis, spreading fleshy roots, and a sheathed terminal bud or growing point. Frond a few inches in height; stipe erect, succulent, hollow, bearing a sessile leaf-like frond, subtending the erect fertile peduncle which bears the fleshy spore cases imbedded in a series or row on each margin of the spike; they ultimately split horizontally and give it a toothed appearance. Sometimes the fruit-spike is forked, and it is so figured in very old books. This probably originated the name *Ophioglossum*, or *Adder's Tongue*.

Grassy places, rare, and inconspicuous. *Nova Scotia*:—Truro, Dr. G. C. Campbell; Truemanville, A. J. Trueman. *New Brunswick*:—Hopewell and Cape Enrage. *Quebec*:—Melbourne; Hemmingford; and Hemlock Lake, Ottawa. *Ontario*:—Port Stanley; Belleville; Tudor; McCann's Island; St. Thomas; Toronto; Lake of the Woods.