

being Geol. Surv. No. 841, a rank staminate plant in flower; also from the same station and by the same collector, June, 1898, Geol. Surv. 59,615, the summit of a plant in mature fruit; also "Whirlpool Woods," Niagara, Ont., 9 May, 1901, Geol. Surv. 33,609, staminate plant in flower; Wingham, Ont., J. A. Morton, May, 1891, Geol. Surv. 840.

Numerous localities for the same type as occurring within the United States need not here be cited.

*THALICTRUM DIOICUM* var. *ADIANTINUM*. Leaves of a more vivid and rather metallic green above, also marked with delicate dark veins and veinlets; both terminal and lateral leaflets more slightly lobed primarily as well as secondarily, the secondary extremely short and subtruncate, thrice, and even more than thrice as broad as long: achenes a trifle shorter and notably thicker than in the type, being 4 mm. long and of oval-elliptic outline, the ribs very thick, turgid, broadly rounded, the intervening furrows, when not nearly obsolete, very narrow and sometimes deep.

Southwestern Ontario, near St. Thomas, Mr. Macoun, 24 June, 1907, Geol. Surv. 72,515.

The specimens of this quite remarkable and very handsome meadow rue consist of the terminal portions of two fruiting plants. The largest is a foot long, and shows but one of the usually two or three leaves. The leaflets, no less clearly than the achenes, indicate relationship of some more or less close degree to the foregoing. If when flowers of plant become known, especially the staminate, these show as much divergence from the type as do the leaflets and the fruits, the rank of a distinct species will be assured for it.

*THALICTRUM DIOICUM*, var. *HURONENSE*. Size and habit perfectly as in the type, but leaflets almost without distinction of primary lobes and secondary, being not very unequally 5-7 crenate-lobed: sepals of staminate flowers, more green-herbaceous, purplish-edged, the veinlets faint; anthers much elongated, longer than the filaments, greenish-yellow, pointless, not even mucronulate but rather obtuse, or at least obtusish.

Port Huron, Michigan, 4 May, 1896, Charles K. Dodge; the type specimen being in Herb. Univ. of Wyoming. The remarkably long and quite blunt anthers no less than the peculiar cut of the foliage mark this as a thing not to be confused with our type of *T. dioicum*. The fruit when known may confirm it in the rank here assigned, or may demand its promotion.

There is a fragment of a pistillate specimen mounted with the staminate, purporting to have been obtained a week later in the same neighborhood; but the one leaf which this fragment bears shows leaflets of a cut so extremely different that