

does the pistillate plant in flower show a stamen or two, or three, in some of the flowers; but the staminate plants appear to be always purely staminate. Truly hermaphrodite individuals are a rarity.

In the Herbarium of the Geological Survey *T. corynellum* is well represented, and I cite a few of the numbers: 32,763, from King's Co., N.B., A. P. Chadbourne, July, 1883; 66,630, Port à Persis, Que., 18 Aug., 1905, Macoun, pistillate plants, with no trace of stamens; Cache Lake, Algonquin Park, 5 July, 1900, two numbers, 23,260 a purely staminate plant with ample panicle, 23,259, several small panicles of truly hermaphrodite flowers, but stamens very few nevertheless; 32,755 is a sheet from Southern New Hampshire, by Miss M. A. Day, at Jaffray, 23 July, 1896. The two specimens are strictly male and female; and in two or three points they fall short of responding to De Candolle's diagnosis of *T. corynellum*, for the traces of pubescence in the lower face of the leaves are very faint, while the carpels, instead of being glabrous are distinctly though sparsely setulose-hairy; also they are fairly, though shortly stipitate, thus inclining to *T. dasycarpum*, to which, however, they do not seem to be referable.

THALICTRUM LEUCOCRINUM. Stout and large, the thick hollow stems both angled and striate, green and glabrous, the branches of the panicle sparsely and minutely setulose; lowest leaves not known; middle cauline sessile, not large, of a deep but not dark green above and beset with scattered short setulose hairs, underneath of a yellowish rather than glaucous green, and subtomentulose with yellowish hairs, these more copious along the veins; terminal leaflets hardly $\frac{3}{4}$ -inch long, round-ovate, obtuse at base, 3-lobed at apex, the lobes obtuse, the large middle one mucronate, lateral leaflets smaller, oval, entire; panicle of staminate plant ample, its branches ascending, copiously floriferous, the flowers large; sepals oval, obtuse; filaments strongly clavate, the outer series thicker at summit than their oblong obtuse anthers; panicle of pistillate plant smaller, compact; immature carpels slenderly fusiform, substipitate, sprinkled with a few minute setulose hairs, the stigmas straight.

Specimens in the herbarium of Mr. John Donnell Smith, collected by himself on Campobello Island, N.B., between 17 July and 20 Aug., 1888. They are labelled *T. purpurascens*, and for the usual reason, no doubt, that the plant is strictly dioecious, the clavate character of the stamens of course failing to be noted. The peculiar hue of the herbage, and the characteristic pubescence, this on both faces of the leaves, precludes our referring this to either *T. corynellum* on the one hand, or *T. dasycarpum* on the other.