

If we compare now the Canadian allies of *G. serrata*, formerly considered as representing this species, we might point out at once some of the most conspicuous characters possessed by these: the frequently carinate and scabrous calyx, the very veiny and fringed corolla-lobes, the broadly winged stamens, the constant presence of nectariferous glands at the base of the corolla, the more or less conspicuous style, the roundish stigma and the strongly papillose seeds. These characters appear to be constant and taken together with some habitual differences warrant the segregation of the following species:

**GENTIANA MACOUNII, Holm.**

(Plate XI, Figs. 1 and 2.)

Annual or sometimes biennial, glabrous excepting the calyx: stem strict, quadrangular, 5 to 30 cm. high, branched from the base: lowest leaves spatulate or oblong lanceolate, the upper linear-lanceolate, acute: peduncles long and stout, 1-flowered: calyx (fig. A) purplish-green, unequally cleft to near the middle, 4-lobed, the longer lobes lanceolate, the shorter ovate with broad membranaceous margins, all acuminate and carinate, scaberulous with minute short papillæ, especially along the keels: corolla (fig. B) deep bluish,  $1\frac{1}{2}$  to 3 cm. long, cleft to about  $\frac{1}{3}$  of its length, 4-lobed, the lobes very veiny, slightly spreading, broad and fringed along the sides, but merely denticulate across the summit: nectariferous glands 4 at the base of the corolla-lobes: stamens 4 with broadly winged filaments, these ciliate in the middle: anthers at first introrse: pistil (fig. C) fusiform, stipitate with short but distinct style: stigma roundish: mature capsule shorter than the corolla: seeds rough with numerous long papillæ.

The specimens examined are from Fort Pitt, Saskatchewan; Bow River at Blackfoot Crossing, Lees Creek, Waterton Lake and Banff, Alberta (*Macoun*), and Red Deer, Alberta (*H. H. Gaets*). Habitat given as: Prairies, gravelly soil and margins of marshes. Flowers from July to September.

**GENTIANA PROCERA, Holm.**

(Plate XII, Figs. 3, 4 and 5.)

Annual, glabrous except the calyx; stem erect, angled, 25 to about 50 cm. high, branched above: lowest leaves spatulate or