

lobatis juventate subtus in costis et nerviis et marginibus petioli floccoso-tomentulosus denique glabratis, lobis oblongis ad apicem rotundatis integris vel obtusodentatis; inflorescentiis dense corymboso-cymosis; capitulis 8-10 mm. altis radiatis; involucris campanulatis calyculatis parce floccoso-tomentulosus glabratis, squamis involucri ca. 21 lineari-lanceolatis 6-7 mm. longis acutis; floribus femineis ligulatis ca. 12, ligulis flavis; floribus disci 60-70; acheniis glabris. ALBERTA: near Olds, August, 1894, *W. W. Willing* (hb. Geol. Surv. Canada, nos. 14843, 6063; fragment and photograph in hb. Field Museum). Here also is referred doubtfully a specimen collected in gravelly soil at Ninga, Manitoba, 1 June, 1908, *B. J. Hales*, no. 24 (hb. Geol. Surv. Canada).

This species stands nearest to *S. plattensis* Nutt., but differs in its subglaucus character, smooth and strongly striated stem and glabrous achenes.

SENECIO CANUS Hook., var. ACRAEUS, var. nov.

Caulis 3-4 dm. altus; foliis oblanceolatis vel lanceolatis subintegris vel irregulariter inciso-dentatis 4-10 cm. longis 0.5-1.5 cm. latis juventate utrinque lanato-tomentosis supra denique glabratis; inflorescentiis corymboso-cymosis, pedunculis per longis. SASKATCHEWAN: Spy Hill, 23 June, 1879, *J. Macoun*, no. 52 (hb. Gray), type; on dry gravelly slopes, Spy Hill, "N.W.T.," 26 June, 1879, *J. Macoun* (hb. Geol. Surv. Canada, no. 14837 in part).

The variety here described is a somewhat taller plant than the species proper with more deeply cut stem-leaves and with a tendency for the upper leaf-surface to become more or less glabrous; furthermore the inflorescence is more open and has relatively long branches.

NOTES ON NATIVE ORCHIDS.

BY CHARLES MACNAMARA, ARNPRIOR, ONT.

Among other peculiarities of our native orchids may be mentioned the surprising manner in which a species will suddenly appear in some place where it was rare or unknown before, only to disappear again in the next year or two. No doubt all plants have their "off" years, but why perennials like the orchids should disappear as suddenly and completely as they do, it is hard to say. Their unexpected appearance is probably due to the exceedingly light nature of their seeds, which a fortuitous wind may carry long distances. But whatever the cause, this remarkable habit adds great zest to orchid hunting, for