

Surv. Canada, no. 14822); Lake Osoyoos, 31 May, 1905, *J. M. Macoun* (hb. Geol. Surv. Canada and hb. Gray, no. 69357).

This plant was taken at first to represent an undescribed species; and while it differs from typical *S. Balsamitae* Muhl. in being at first floccose-tomentose throughout, and but tardily glabrate, and in having a rather leafy stem, yet these differences do not seem strong enough to merit a specific characterization.

*SENECIO MANITOBENSIS*, sp. nov.

Herbaceous perennis; caulibus erectis 2-3 dm. altis simplicibus vel interdum ramosis glabris vel in axillis foliorum subtomentosis; foliis subcrassis inferioribus petiolatis oblanceolatis 2-7 cm. longis 2-12 cm. latis serratis vel inaequaliter dentatolobatis basi sensim angustatis utrinque glabris, foliis superioribus petiolatis vel sessilibus lacinato-pinnatifidis, laciniis angustissimis remotis; inflorescentiis corymboso-cymosis; capitulis per anthesem 8-10 mm. altis ligulatis; involucris campanulatis glabris, squamis involucri plerumque 21 lanceolatis 7 mm. longis acutis glabris quam floribus disci brevioribus; floribus femineis ligulatis 6-10, ligulis flavis; floribus disci 45-60; achaeniis 3-3.5 mm. longis, costis alternis hirtellis. MANITOBA: on "sand hills at Brandon and Old Wives Lakes, N.W.T. west of Brandon," 22 June, 1881, *J. Macoun*, no. 22 (hb. Gray), type; on open prairie, south of Sewell, 12 June, 1876, *J. Macoun* (hb. Geol. Surv. Canada, no. 12232); Gravelly or rocky places, Flat Creek, "N.W.T.," 20 June, 1880, *J. Macoun*, no. 103 (hb. Geol. Surv. Canada, no. 14796); Lake Winnipeg Valley, *Bourgeau*, coll. of 1857 (hb. Gray); Stewart's Lake Mountain, 21 June, 1875, *J. Macoun* (hb. Geol. Surv. Canada, no. 14777 in part); north of Carberry, 14 June, 1906, *J. Macoun* and *W. Herriot* (hb. Geol. Surv. Canada and hb. Field Museum, no. 69753); on sand hills, eight miles west of Petrel, 17 June, 1906, *J. Macoun* and *W. Herriot* (hb. Geol. Surv. Canada and hb. Field Museum, no. 69755), NORTH DAKOTA: on sand hills, McHenry County, 13 July, 1899, *J. Lunell*, no. 24 (hb. Gray).

A species somewhat intermediate between *S. plattensis* Nutt. and *S. Balsamitae* Muhl. It is distinguished from the former by the narrowly oblanceolate lower leaves and by the glabrous character of stem and foliage. From the latter it is distinguished by the thicker, firmer texture of the foliage, the serrate-dentate basal leaves, and by the pubescence of the achenes.

*SENECIO WILLINGII*, sp. nov.

Herbaceous perennis subglaucescentes; caulibus erectis 2.5-3 dm. altis glabris striatis foliaceis; foliis oblongo-lanceolatis 3-12 cm. longis 0.7-2 cm. latis crenato-serratis vel multipinnato-