

SOME CANADIAN SENECIOS.

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In the preparation of a monograph of the North American species of the genus *Senecio*, the writer, through the kindness of Messrs. JOHN and JAMES M. MACOUN, has had the privilege of studying the entire representation of this genus in the herbarium of the Geological Survey of Canada. This collection is especially rich in northern forms, and in many instances excellent series of specimens illustrate individual species of northern distribution. Several plants, however, have been found which hitherto seem not to have been described; these, associated with material from the Gray Herbarium and the herbarium of the Field Museum of Natural History, are characterized and recorded, as follows:—

SENECIO BURKEI, sp. nov.

Herbaceus perennis; caulibus erectis 3–9 dm. altis simplicibus vel rarius ramosis striatis glabris; foliis inferioribus petiolatis ovato-oblongis 2–10 cm. longis 1–4.5 cm. latis ad apicem obtusis vel rotundatis basi cuneatis vel subtruncatis, foliis superioribus irregulariter inciso-dentatis vel pinnatifidis sessilibus et subamplexicaulibus et sursum gradatim reductis; inflorescentiis corymboso-cymosis; capitulis plerumque numerosis 10–12 mm. altis radiatis; bracteis involucri circiter 21 lineari-lanceolatis 6–8 mm. longis glabris vel floccoso-tomentosis plus minusve purpurascensibus; floribus femineis ligulatis ca. 12; floribus disci numerosis (50–60); achaeniis glabris. Collected on the "east slope of the Rocky Mountains" by *Burke* (hb. Gray) type. ALBERTA: by the reservoir, Banff, 30 October, 1899, *N. B. Sanson* (hb. Geol. Surv. Canada, no. 22288); vicinity of Banff, July, 1906, *N. B. Sanson*, (hb. Geol. Surv. Canada, without number, and hb. Field Museum, cat. no. 288351); Banff, 28th July, 1904, *Miss Edith M. Farr* (hb. Field Museum, cat. no. 189413); mountain slopes, Crows Nest Pass, 31 July, 1887, *J. Macoun* (hb. Geol. Surv. Canada, no. 22785 in part). BRITISH COLUMBIA: open thickets, Spences Bridge, 31 May, 1889, *J. Macoun* (hb. Geol. Surv. Canada, no. 14811 in part); shaded banks, mouth of Silica Creek, Chilliwack River, 29 June, 1901, *J. M. Macoun* (hb. Geol. Surv. Canada and hb. Gray, no. 26685); on a bog in Chilliwack Lake, 19 July, 1901, *J. M. Macoun* (hb. Geol. Surv. Canada, no. 26682a); in a marsh east of Chilliwack Lake, 25 July, 1901, *J. M. Macoun* (hb. Geol. Surv. Canada and hb. Gray, no. 26682); foot of a snow slide, Middle Creek, Chilliwack River, 2 August, 1901, *J. M. Macoun* (hb. Geol. Surv. Canada, no. 26681); in thicket