

Nomenclatural Changes and New Taxa for the Yukon Flora

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Nomenclatural changes (new combinations), new taxa (forma) for 21 combinations and 5 forma for the Yukon Flora are here proposed in the following genera: *Braya*, *Cardamine*, *Elymus*, *Gentianella*, *Hedysarum*, *Lagotis*, *Lupinus*, *Myosotis*, *Oxytropis*, *Parrya*, *Petasites*, *Saussurea*, *Saxifraga*, *Silene*, *Smelowskia*, *Thalictrum* and *Veronica*.

Key Words: Nomenclatural changes, new taxa, Yukon Flora.

The first flora that included the Yukon Territory and treated all the taxa known to occur there was Eric Hultén's *Flora of Alaska and Yukon* (1941–1950). These 10 volumes contained keys and a wealth of information including maps of the known distribution, but no descriptions of the individual taxa. Hultén (1968) in his *Flora of Alaska and Neighboring Territories* provided keys, descriptions, distribution maps and illustrations, and Welsh (1974) in *Anderson's Flora of Alaska and adjacent parts of Canada* provided a useful volume with keys, descriptions and additional information, but did not illustrate the species or include distribution maps. To the east, Porsild and Cody (1980) in *Vascular Plants of Continental Northwest Territories, Canada* described the flora of that region, but to date no flora has yet been published treating only the Yukon Territory.

In 1980 I began field work in the Yukon which continued to 1984. Modern air transportation vastly aided the collecting of specimens in remote and previously unstudied areas. In addition many specimens have been provided by other interested individuals, which have greatly increased my knowledge of the plants of the Territory. The result has been the writing of a flora which is uniquely Yukon. During the preparation of the flora it was found necessary to change the nomenclatural status of a number of taxa in order that they would be consistent with other taxa in the same group, and a number of colour forms were described to draw attention to their existence. These are presented below. The *Yukon Flora* will be published by Agriculture Canada (Cody, *in press*).

GRAMINEAE

Elymus trachycaulus (Link) Gould ex Shinners ssp. *glaucus* (Pease & Moore) Cody, comb. & stat. nov., BASIONYM: *Agropyron caninum* (L.) Beauv. f. *glaucum* Pease & Moore, *Rhodora* 12: 71. 1910. *A. trachycaulum* var. *glaucum* (Pease & Moore) Malte.

CARYOPHYLLACEAE

Silene acaulis L. ssp. *subacaulescens* (F.N. Williams) Hultén forma *albiflora* Cody forma nova — a forma typica differt corollis albis. — YUKON: moist sunny hillside, alpine, elev. 5,800 ft., Km 21 Upper Sheep Creek Rd. off Km 154 Canol Rd., V. Hodgson 1421A, 27 July 1984 (Holotype DAO); BRITISH COLUMBIA: Yoho National Park, Wiwaxy Gap, 51°21'10"N 116°20'30"W, 2430 m, G.W. Scotter 6, 13 Aug. 1991 (Paratype DAO).

RANUNCULACEAE

Thalictrum sparsiflorum Turcz. ssp. *richardsonii* (Gray) Cody comb. & stat. nov., BASIONYM: *T. richardsonii* Gray, *Amer. J. Sci.* 42: 17. 1842, *T. sparsiflorum* Turcz. var. *richardsonii* (Gray) Boivin, *Rhodora* 46: 369. 1944.

CRUCIFERAE

Braya glabella Richards. ssp. *purpurascens* (R.Br.) Cody, comb. & stat. nov., BASIONYM: *Platypetalum purpurascens* R.Br., *Chloris Melvilliana* p. 9 & 50. 1823.

Cardamine oligosperma Nutt. ssp. *kamtschatica* (Regel) Cody, comb. & stat. nov., BASIONYM: *Cardamine sylvatica* β *kamtschatica* Regel, *Bull. Soc. Nat. Mosc.* 34(2): 171–172. 1861.

Cardamine purpurea Cham. & Schlecht. forma *albiflora* (Hultén) Cody, comb. & stat. nov., BASIONYM: *Cardamine purpurea* Cham. & Schlecht. var. *albiflos* Hultén, *Arkiv för Botanik* (n.s.) 7(1): 62. 1967; Madrono 19: 223. 1968. This taxon was not validly published by Hultén in 1967, but was later validated by him in the journal *Madroño*; Hultén (1968) corrected the spelling to *albiflora* in his *Flora of Alaska and neighboring territories*.

Editor's note: To conform with taxonomic botanical paper conventions literature abbreviations are used throughout in taxa descriptions, rather than normal full forms used elsewhere in *The Canadian Field-Naturalist*.

Parrya nudicaulis (L.) Regel forma *albiflora* Cody, forma nova — a forma typica differt corollis albis. *Betula glandulosa* - lichen + occasional *Picea glauca* association, hills 15 mi S of Dawson, 63°55'N 139°28'W, alt. 3800 ft., Cody & Ginns 33444, 5 July 1984 (Holotype DAO); Paratypes: sunny damp area, Km 12½ Seagull Lake Road, east of Km 162 Canol Road, V. Hodgson 776, 29 June 1982 (DAO); Richardson Mts., wet meadow in valley on N side of Mt. Cronin, 66°48'N 136°13'W, Cody & Ginns 30718, 7 July 1982 (DAO); District of Mackenzie, Mackenzie Mts.: tundra patches on slope, Mirror Lake, east side of Carcajou Range, 64°52'N 126°55'W, Cody & Brigham 20380, 3 July 1972 (DAO); Redstone River, 62°30'-63°15'N 126°30'-127°05'W, Johnson & Munro 16, June 1962 (DAO); bog margin, Dal Lake, Redstone River Region, 63°08'N 126°30'W, Kvale & Haggard 7b, 3 June 1963 (DAO); grassy slope saturated with spring runoff, Redstone River Region, 62°55'N 126°38'W, Kvale & Haggard 40, 21 June 1963 (DAO).

Smelowskia borealis (Greene) Drury & Rollins ssp. *jordalii* (Drury & Rollins) Cody, comb. & stat. nov.; BASIONYM: *S. borealis* (Greene) Drury & Rollins var. *jordalii* Drury & Rollins, *Rhodora* 54: 116. 1952.

SAXIFRAGACEAE

Saxifraga bronchialis L. ssp. *codyana* (Zhmylev) Cody, comb. & stat. nov.; BASIONYM: *S. codyana* Zhmylev, Bull. Moscow Soc. Nat. Biol. Serv. 97(1): 95-96. 1992.

LEGUMINOSAE

Hedysarum alpinum L. forma *albiflorum* (Standley) Cody, comb. nov.; BASIONYM: *H. americanum* (Michx.) Britt. f. *albiflorum* Standley, Field Mus. Pub. Bot. 8: 15. 1930. *H. alpinum* L. var. *americanum* Michx. f. *albiflorum* (Standley) Fern.

Hedysarum boreale Nutt. ssp. *mackenzii* (Richards.) Welsh forma *niveum* (Boivin) Cody, comb. nov.; BASIONYM: *H. mackenzii* Richards. f. *niveum* Boivin, Can. Field-Nat. 65: 20. 1951.

Lupinus arcticus S. Wats. forma *albus* Cody forma nova — a forma typica differt corollis albis. Found growing with the typical blue-flowered form on a broken rocky mountain top, Yukon Territory, Richardson Mts., S end of Skull Range, 68°28'N 137°27'W, alt. 2200 ft., Cody & Ginns 31629, 12 July 1982 (Holotype DAO); open rocky slope, about 15 miles on 60 Mile Road from West Dawson to Alaskan border, Calder & Billard 3750, 11 July 1949 (Paratype DAO).

Oxytropis campestris (L.) DC. ssp. *roaldii* (Ostenf.) Cody, comb. & stat. nov.; BASIONYM: *O. roaldii* Ostenf., Vasc. Pl. Arct. N. Amer., Gjøa Exped., 54. 1910.

Oxytropis campestris (L.) DC. ssp. *varians* (Rydb.) Cody, comb. & stat. nov.; BASIONYM: *Aragallus varians* Rydb. Bull. N.Y. Bot. Gard. 2: 176. 1901.

Oxytropis deflexa (Pall.) DC. ssp. *foliolosa* (Hook.) Cody, comb. & stat. nov.; BASIONYM: *Oxytropis foliolosa* Hook. Fl. Bor.-Amer. 1: 46. 1834.

Oxytropis deflexa (Pall.) DC. ssp. *sericea* (T. & G.) Cody, comb. & stat. nov.; BASIONYM: *Oxytropis deflexa* var. *sericea* T. & G. Fl. N. Amer. 1: 342. 1838.

Oxytropis nigrescens (Pall.) Fisch. ssp. *lonchopoda* (Barneby) Cody, comb. & stat. nov.; BASIONYM: *O. nigrescens* (Pall.) Fisch. var. *lonchopoda* Barneby. Leaflets of Western Botany 10: 23. 1963.

Oxytropis sericea Nutt. ssp. *spicata* (Hook.) Cody, comb. & stat. nov.; BASIONYM: *Oxytropis campestris spicata* Hook. Fl. Bor.-Amer. 1: 147. 1834.

GENTIANACEAE

Gentianella amarella (L.) Börner ssp. *acuta* (Michx.) J.M. Gillett forma *albescens* (Lepage) Cody, comb. nov.; BASIONYM: *Gentiana acuta* Michx. f. *albescens* Lepage, Nat. can. 77: 228. 1950.

BORAGINACEAE

Myosotis alpestris Schm. ssp. *asiatica* Vestergr. ex Hultén forma *eyerdamii* (Boivin) Cody, comb. nov.; BASIONYM: *M. sylvatica* Hoffm. var. *alpestris* (Schm.) Koch forma *eyerdamii* Boivin, Nat. can. 93: 1061. 1966.

SCROPHULARIACEAE

Lagotis glauca Gaertn. ssp. *minor* (Willd.) Hultén forma *albiflora* Cody forma nova, a forma typica differt corollis albis. Yukon Territory, Ogilvie Mts., wet turf by mountain stream, 7 miles S of Tombstone Mountain, 64°18'N 138°38'W, alt. 4750 ft., Cody & Ginns 34664, 16 July 1984 (Holotype DAO).

Veronica wormskjoldii R. & S. forma *albiflora* Cody, forma nova — a forma typica differt corollis albis. Dempster Highway, Km 80, G. Brunner, 3 Aug. 1990 (Holotype DAO).

COMPOSITAE

Petasites frigidus (L.) Fries ssp. *arcticus* (A.E. Porsild) Cody, stat. & comb. nov.; BASIONYM: *P. arcticus* A.E. Porsild, Sargentia 4: 74. 1943.

Petasites frigidus (L.) Fries ssp. *nivalis* (Greene) Cody, stat. & comb. nov.; BASIONYM: *P. nivalis* Greene, Pittonia 2: 18. 1889, *P. frigidus* (L.) Fries var. *nivalis* (Greene) Cronquist, Leaflet West. Bot. 7: 30. 1953.

Petasites frigidus (L.) Fries ssp. *palmatus* (Ait.) Cody, comb. & stat. nov.; BASIONYM: *Tussilago*

palmata Ait., Hort. Kew. 3: 188. 1789. *P. palmatus* (Ait.) Gray, Bot. Calif. 1: 407. 1876, *P. frigidus* (L.) Fries var. *palmatus* (Ait.) Cronquist, Rhodora 48: 124. 1946.

Saussurea angustifolia (Willd.) DC. ssp. *yukonensis* (A. E. Porsild) Cody comb. & stat. nov., BASIONYM: *S. angustifolia* (Willd.) DC. var. *yukonensis* Porsild, National Museum, Canada, Bulletin 101: 28. 1945.

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