New taxa and nomenclatural changes in Utah Penstemon (Scrophulariaceae)

Elizabeth C. Neese
Brigham Young University

Follow this and additional works at: https://scholarsarchive.byu.edu/gbn

Recommended Citation
Available at: https://scholarsarchive.byu.edu/gbn/vol46/iss3/12

This Article is brought to you for free and open access by the Western North American Naturalist Publications at BYU ScholarsArchive. It has been accepted for inclusion in Great Basin Naturalist by an authorized editor of BYU ScholarsArchive. For more information, please contact scholarsarchive@byu.edu, ellen_amatangelo@byu.edu.
NEW TAXA AND NOMENCLATURAL CHANGES IN UTAH PENSTEMON (SCROPHULARIACEAE)

Elizabeth C. Neese

ABSTRACT.—New taxa include Penstemon angustifolius Pursh var. dulcis Neese, P. leonardii Rydb., var. higginsii Neese, P. scariosus Pennell var. cyanomontanus Neese, and P. thompsonii (Gray) Rydb. var. desperatus Neese. New nomenclatural combinations include: Penstemon acutalis L. O. Williams var. yampaensis (Penl.) Neese, P. duchesnensis (N. Holmgren) Neese, P. leonardii Rydb. var. patricus (N. Holmgren) Neese, and P. pachyphyllus Gray ex Rydb. var. mucronatus (N. Holmgren) Neese.

Studies leading to a revision of Penstemon for the Utah flora project dictated the following nomenclatural changes and demonstrated the presence of some taxa that require names and descriptions. The justification for these decisions will appear in the version of the Utah flora to be published subsequently.

Penstemon acutalis L. O. Williams var. yampaensis (Penl.) Neese stat. nov. [based on Penstemon yampaensis Penl. Madroño 14: 156. 1958].


Neese 17092 (all BRY). Pinyon-juniper, mountain brush, ponderosa pine-manzanita, and aspen conifer communities at 2,000 to 2,750 m in the Valley and Bull Valley mts. and Kolob Plateau, Washington County; endemic; 18 (i). Earlier reports of *P. thurberi* Torr. from Washington County belong here.


**Penstemon thompsoniae** (Gray) Rydb. var. *desperatus* Neese var. nov. Ab *P. thompsoniae* var. *thompsoniae* in caulibus et inflorescentiis longioribus et foliis minoribus differt. Type: USA. Utah. Beaver Co., ca 8 mi SW of Sawtooth Peak, Indian Peak Range, T29S, R19W, S3, at 2,013 m, 26 May 1976, S. Welsh, K. Taylor, & F. Peabody I3287 (Holotype BRY; 2 isotypes distributed previously as *P. thompsoniae*). ADDITIONAL SPECIMENS: Utah. Beaver Co., Hamblin Valley, 31 May 1978, K. Ostler & D. Anderson 1197; ibid., Wah Wah Mts., 22 June 1978, K. Ostler 1465 (all BRY). Iron Co., Hamblin Valley, 16 June 1978, K. Ostler & D. Anderson 1407; ibid., ca 21 km W of Enterprise, 13 June 1985, L. C. & E. Higgins 15725; ibid., Enterprise-Panaca road, 6 km E of the Nevada border, 12 June 1984, N. H. & P. K. Holmgren 10445 (all BRY). Sagebrush and pinyon-juniper communities at 1,800 to 2,075 m in Beaver and Iron counties; Nevada; 6 (0). One specimen tentatively assigned here (Atwood 5151 BRY) has stems unusually long, and is probably more closely allied to materials from the Mohave Strip region of Arizona. Possibly it represents still another taxon worthy of naming. Other, as yet unrecognized, infraspecific taxa may occur within the species beyond Utah.