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NOMENCLATURAL INNOVATIONS IN INTERMOUNTAIN ROSIDAE

Arthur Cronquist^{1, 2}

ABSTRACT.—New taxa include *Lomatium packardiae* Cronq. (Apiaceae), *Croton texensis* (Klotzsch) Muell. Arg. var. *utahensis* Cronq. (Euphorbiaceae). Other nomenclatural innovations include: *Cymopterus longipes* var. *ibapensis* (M. E. Jones) Cronq., *Lomatium roseanum* Cronq. (Apiaceae); *Camissonia boothii* (Douglas) Raven var. *decorticans* (Hook. & Arn.) Cronq., *Camissonia boothii* (Douglas) Raven var. *desertorum* (Munz) Cronq., *Camissonia clavaeformis* (Torr. & Frém.) Raven var. *aurantiaca* (Munz) Cronq., *Camissonia clavaeformis* (Torr. & Frém.) Raven var. *cruciformis* (Kellogg) Cronq., *Camissonia clavaeformis* (Torr. & Frém.) Raven var. *funerea* (Raven) Cronq., *Camissonia clavaeformis* (Torr. & Frém.) Raven var. *lancifolia* (A. A. Heller) Cronq., *Camissonia heterochroma* (S. Wats.) Raven var. *monoensis* (Munz) Cronq., *Camissonia kernensis* (Munz) Raven var. *gilmanii* (Munz) Cronq., *Camissonia scapoidea* (Torr. & Gray) Raven var. *macrocarpa* (Raven) Cronq., *Oenothera biennis* L. var. *strigosa* (Rydb.) Cronq., *Oenothera pallida* Lindl. var. *runcinata* (Engelm.) Cronq. (Onagraceae).

Key words: nomenclature, Rosidae, taxonomy.

My manuscript on a number of families of Rosidae for Intermountain Flora has been completed and awaiting publication for several years. These families should constitute a large part of volume 3A (Rosidae except Fabales). Since I cannot now anticipate when volume 3A will be published, the following nomenclatural innovations are here validated.

APIACEAE

Cymopterus longipes S. Wats. var. *ibapensis* (M. E. Jones) Cronq., comb. nov. [based on: *Cymopterus ibapensis* M. E. Jones, Zoe 3: 302. 1893].

Lomatium packardiae Cronq., sp. nov. (Fig. 1). Herba perennia caespitosa radice crasse et caudice manifeste ramoso, omnino subvelutina, foliis omnibus basalibus, ternato (vel quinato)-pinnatifida et denuo plus-minusve pinnatifidis, segmentis ultimis angustis, 1–2 mm latis, imparibus, eis majoribus 1–3 cm longis; scapi maturi 1.5–4 dm alta, umbella per anthesin compacta, parva, ca 2 cm lata, radiis imparibus, demum aperta radiis longioribus 4–6 cm longis, bracteis involucelli paucis, lineari-attenuatis vel nullis; flores flavi, lobis calycis minutis vel obsoletis; pedicelli fructiferi 3–7

mm longi; mericarpi glabra vel interdum patenti-hirtella, 8–9 × 3–3.5 mm, manifeste alata, alis usque ad 1 mm latis.

HOLOTYPE.—Packard 74-46, in ash that has not disintegrated into clay, along Old Succor Creek Road, near Sheaville, very close to the Idaho border, T27S, R46E, Malheur Co., Oregon, 19 May 1974; NY! Isotype at CIC!

HABITAT AND DISTRIBUTION.—In volcanic ash and rhyolite on rocky clay soil in the sagebrush zone. Malheur and Lake cos., Oregon, S to Washoe and Humboldt cos., Nevada. Flowering from April to June.

COMMENTARY.—*Lomatium packardiae* has sometimes passed in the herbarium as *L. triternatum* (Pursch) Coulter & Rose, which however has solitary or few stems or scapes on the simple or occasionally few-branched crown or short caudex atop the taproot. The ultimate segments of the leaves of *L. packardiae* are also shorter than is typical for *L. triternatum*, the larger ones only 1–3 cm long, so that the leaves have a different aspect.

Lomatium roseanum Cronq., nom. nov. *Leptotaenia leibergii* Coulter & Rose, Contrib. U.S. Natl. Herb. 7: 202. 1900. Not *Lomatium leibergii* Coulter & Rose, 1900.

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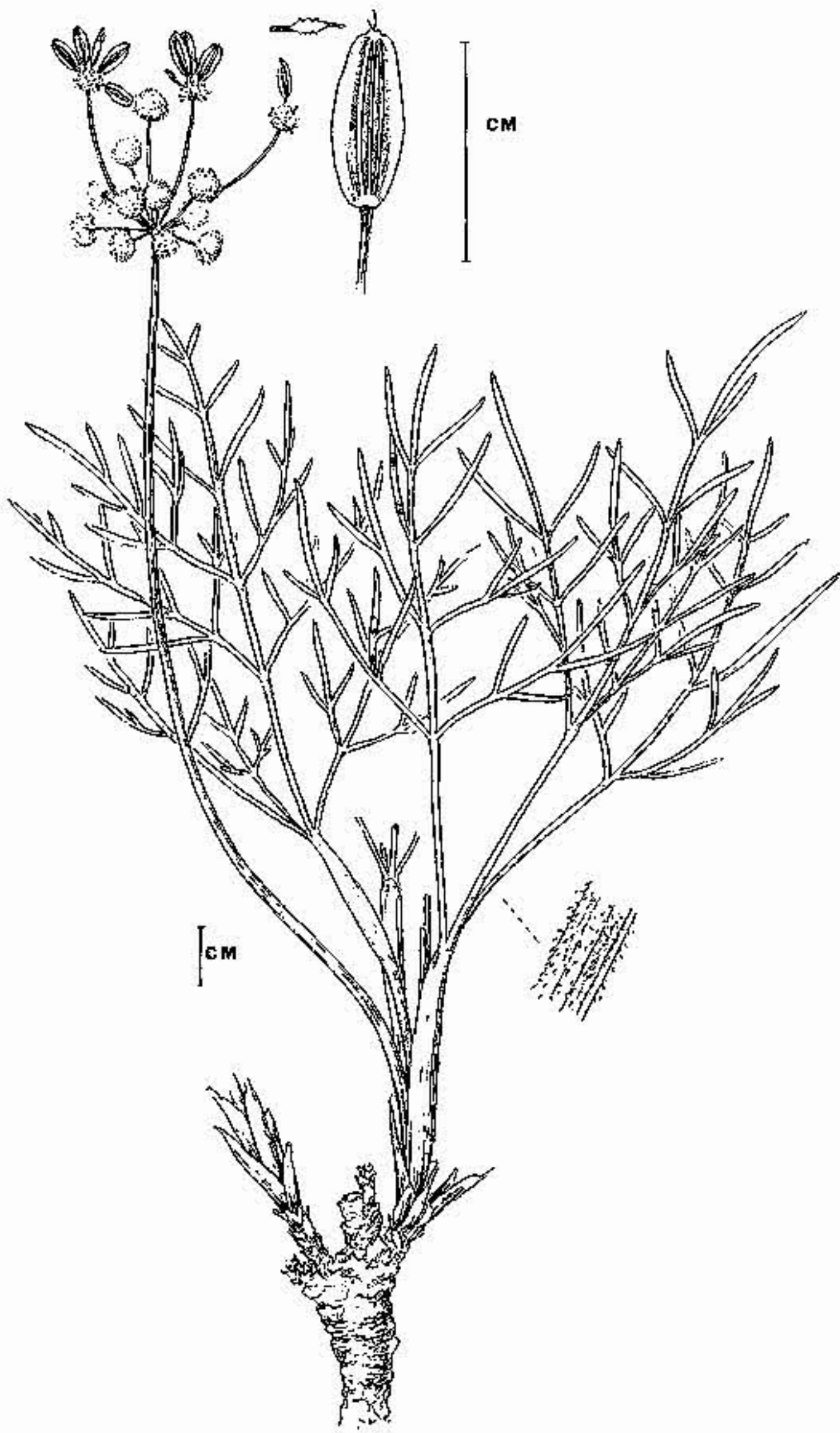


Fig. 1. *Lomatium packardiae*.

EUPHORBIAECEAE

***Croton texensis* (Klotzsch) Muell. Arg. var. *utahensis* Cronq., var. nov.** A var. *texensis* foliis supra glabris differt.

HOLOTYPE.—Cronquist & K. Thorne 11839, sand dunes ca 18 km airline N of Lynndyl, Juab Co., Utah, T13S, R5W, ca 1500 m elev., 28 July 1983, at NY! Isotypes at BRY!, UTC!

COMMENTARY.—*Croton texensis* is variable in density of pubescence, but throughout most of its range the upper surface of the leaves has at least a few stellate hairs (though these may eventually fall off). An abundant population on the sand dunes near Lynndyl in Juab and Milard cos., Utah, represents the least pubescent extreme. In these plants the upper surface of the leaves is wholly glabrous or provided with only a few quickly deciduous stellate scales. The Lynndyl plants and some similar ones from Kane and San Juan cos., Utah, and from northern

Coconino Co. in Arizona, are here considered to form the var. *utahensis* Cronq. The otherwise fairly widespread var. *texensis*, with the upper surface of the leaves evidently (and more or less persistently) stellate-hairy, is largely allopatric with var. *utahensis*, barely entering Utah in San Juan Co.

ONAGRACEAE

***Camissonia boothii* (Douglas) Raven var. *decorticans* (Hook. & Arn.) Cronq., comb. nov.** [based on: *Gaura decorticans* Hook. & Arn. Bot. Beechey's Voyage 343. 1839].

***Camissonia boothii* (Douglas) Raven var. *desertorum* (Munz) Cronq., stat. nov.** [based on: *Oenothera decorticans* var. *desertorum* Munz, Bot. Gaz. 85: 246. 1928].

***Camissonia clavaeformis* (Torr. & Frém.) Raven var. *aurantiaca* (Munz) Cronq., stat. nov.** [based on: *Oenothera scapoidea* var. *aurantiaca* S. Wats. Proc. Amer. Acad. Arts 8: 595, 613. 1873; an illegitimate name which as defined by Watson included the type of the earlier *O. scapoidea* var. *clavaeformis* S. Wats. 1871. *Oenothera clavaeformis* var. *aurantiaca* Munz, Amer. J. Bot. 15: 237. 1928].

***Camissonia clavaeformis* (Torr. & Frém.) Raven var. *cruciformis* (Kellogg) Cronq., stat. nov.** [based on: *Oenothera cruciformis* Kellogg, Proc. Calif. Acad. Sci. 2: 227. 1863].

***Camissonia clavaeformis* (Torr. & Frém.) Raven var. *funerea* (Raven) Cronq., stat. nov.** [based on: *Oenothera clavaeformis* subsp. *funerea* Raven, Univ. Calif. Pub. Bot. 34: 106. 1962].

***Camissonia clavaeformis* (Torr. & Frém.) Raven var. *lancifolia* (A. A. Heller) Cronq., stat. nov.** [based on: *Chylismia lancifolia* A. A. Heller, Muhlenbergia 2: 226. 1906].

***Camissonia heterochroma* (S. Wats.) Raven var. *monoensis* (Munz) Cronq., stat. nov.** [based on: *Oenothera heterochroma* var. *monoensis* Munz, Aliso 2: 84. 1949].

***Camissonia kernensis* (Munz) Raven var. *gilmanii* (Munz) Cronq., stat. nov.** [based on: *Oenothera dentata* var. *gilmanii* Munz, Leaf. W. Bot. 2: 87. 1938].

***Camissonia scapoidea* (Torr. & Gray) Raven var. *macrocarpa* (Raven) Cronq., stat. nov.** [based on: *Oenothera scapoidea* subsp. *macrocarpa* Raven, Univ. Calif. Pub. Bot. 34: 95. 1962].

***Oenothera biennis* L. var. *strigosa* (Rydb.) Cronq.**, comb. nov. [based on: *Oenothera strigosa* Rydb. Mem. N. Y. Bot. Gard. 1: 278. 1900].

***Oenothera pallida* Lindl. var. *runcinata* (Engelm.) Cronq.**, stat. nov. [based on: *Oenothera albicaulis* var. *runcinata* Engelm. Amer. J. Sci. Arts 84: 334. 1862].

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