

A Newsletter for the flora of New Mexico, from the Range Science Herbarium and Cooperative Extension Service, College of Agricultural, Consumer, and Environmental Sciences, New Mexico State University.

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Verification of *Mimulus suksdorfii* in New Mexico

Chick Keller

4470 Ridgeway, Los Alamos, NM 87544

[Ed. Note: *Mimulus suksdorfii* Gray was listed for New Mexico by Kartesz (1999), but without documentation. Chick shares this interesting anecdote.]

In the state list it says *Mimulus suksdorfii* needs verifying. It now has been done, not once but at least three times. The story is worth telling since it is a good example of how these things are done.

I collected a strange *Mimulus* east of Ponderosa at the abandoned Bear Springs Ranger Station. It keyed to *M. floribundus* but had some problems, as Roger Peterson pointed out. Terry Foxx told me she had collected *M. floribundus* in Los Alamos County in 1979 and had put the collections in the UNM herbarium. Recently at the UNM herbarium I was looking at the *M. floribundus* folder and came across Terry's two sheets of very small plants with uncharacteristic leaves. I wondered at that. Looking at drawings of *Mimulus* in the Intermountain Flora, vol. 4, I came across what looked like a dead ringer for her collections (but not mine), identified as *M. suksdorfii*. Even the habitat was similar — moist areas in piñon/juniper. I asked Bob Sivinski if he would check those sheets when next he was at UNM. He said he would and also sent back the following:

"I picked-up *M. suksdorfii* in the Zuni Mts. back in 1991, but misidentified it as *M. rubellus*. Glen Rink recently annotated my specimen, which is at UNM, so I'll have something to compare the Foxx specimen with."

Bob did check and verified my tentative id of Terry's two sheets. He also noted another collection by D.A. McCallum, made only 2 days earlier than the one by Terry Foxx.

So we do have *Mimulus suksdorfii* in New Mexico: first collected on 6 May 1979 in Cibola County by McCallum and correctly identified as *M. suksdorfii*, but somehow ignored; then collected two days later (8 May 1979) by Foxx in Los Alamos County, but misidentified; then collected in the Zuni Mountains by Sivinski in 1991, but also originally misidentified.

A true collaborative effort spanning 31 years! All this coming to light from wondering about the identification of a different species.

The verified specimens of *Mimulus suksdorfii* A. Gray are listed below, in order of collection:

Cibola County: El Moro National Monument, abundant in open places, sandy soil with *Myosurus nitidus* and *Microsteris gracilis*, 7200 ft, 6 May 1979, D.A. McCallum 422 (UNM).

Los Alamos County: Pajarito Canyon near the old spring in the bottom of the canyon, T19N R6E, full bloom amongst the piñon and juniper, 8 May 1979, Foxx and Tierney 608 (UNM) (Det. Bob Sivinski).

Cibola County: Zuni Mountains, Forest Road 50, T12N R14W Sec 19 NW_, 2500 m, sandy loam with *Pinus ponderosa*, *Iris missouriensis*, *Agropyron* sp., 3 June 1991, R. Sivinski and K. Lightfoot 1700 (UNM) (Det. Glenn Rink). ☺

Botanice est Scientia Naturalis quae Vegetabilium cognitiorem tradit.

— Linnaeus



Plant Distribution Reports

New records and significant distribution reports for New Mexico plants should be documented by complete collection information and disposition of a specimen (herbarium). Exotic taxa are indicated by an asterisk (*), endemic taxa by a cross (+). Comments [in brackets] are the editor's.

— Ohba, H. 2009. [see Botanical Literature of Interest]

Sedum wrightii Gray subsp. ***wrightii*** (Crassulaceae, Wright's stonecrop): without locality [first report for NM; subsp. *priscum* R.T. Clausen had been reported earlier]

Sedum debile S. Watson (Crassulaceae, feeble stonecrop): without locality [first report for NM]

— Ken Heil [San Juan College, 4601 College Blvd, Farmington, NM 87402]

Lomatium dissectum (Nuttall) Mathias & Constance var. ***multifidum*** (Nuttall) Mathias & Constance (Apiaceae, fern-leaf biscuit-root): Rio Arriba County: Jicarilla Apache Indian Reservation, Barrella Canyon, S12, T32N, R3W, 2000 m, 20 May 1996, [Ken Heil & Steve O'Kane 9638](#) (SJNM). Det. Ron Hartman, 2006. [first report for NM]

— Russ Kleinman [25 Oxbow Drive, Silver City, NM 88061]

Simmondsia chinensis (Link) C. Schneider (Simmondsiaceae, jojoba): Hidalgo County: Peloncillo Mountains northeast of Rodeo, NM, near junction of NM80 and NM9, south of Granite Gap and north of Pratt Peak, UTM 12R 0691585 x 3538709, 4450 ft, large open area at base of large volcanic rock outcropping, southwest facing aspect, in dry rock & gravel, population consists of 300+ full-sized shrubs spread throughout steep terrain, with *Larrea tridentata*, *Acacia constricta*, *Opuntia engelmannii*, *Ferocactus wislizeni*, *Fouquieria splendens*, *Muhlenbergia porteri*, & *Eschscholtzia californica*, 12 March 2010, [Russ Kleinman 2010-3-12-1 A-D](#) (SNM). [first report for NM]



— Richard Felger [PO Box 1628, Silver City, NM 88062]

Salix bonplandiana Kunth var. ***bonplandiana*** (Salicaceae, Bonpland's willow): Grant County: Sycamore Canyon, 12S 0713265, 3645655, +-17 ft, deep riparian canyon with heavy cattle grazing, canyon sides with juniper-oak-pinyon and grasses, 5010 ft elev, 22 November 2009, [Richard Felger 09-101](#) and Russ Kleinman (ARIZ, ASU, BRIT, NMC, NMCR, TEX, UNM). [first report for NM]



— Chick Keller [4470 Ridgeway, Los Alamos, NM 87544]

Mimulus suksdorfii A. Gray (Plantaginaceae, Suksdorf's monkey-flower). [see article in this issue]

— Al-Shehbaz 2010. [see Botanical Literature of Interest]

****Armoracia rusticana*** P. Gaertner (Brassicaceae, horseradish).

Boechera consanguinea (Greene) Windham & Al-Shehbaz (Brassicaceae, scarlet rock-cress).

Boechera duchesnensis (Rollins) Windham, Al-Shehbaz, & Allphin (Brassicaceae, Duchesne rock-cress).

(Continued on page 3, Plant Reports)



(Plant Reports, continued from page 2)

Boechera gracilentia (Greene) Windham & Al-Shehbaz (Brassicaceae, slender rock-cress).

****Brassica nigra*** (Linnaeus) Koch (Brassicaceae, black mustard).

Draba abajoensis Windham & Al-Shehbaz (Brassicaceae, Abajo Mountain whitlow-grass).

Draba crassa Rydberg (Brassicaceae, thick-leaf whitlow-grass).

Lepidium lasiocarpum Nuttall var. ***lasiocarpum*** (Brassicaceae, southwestern pepperweed).

****Lepidium ruderale*** Linnaeus (Brassicaceae, roadside pepperweed).

Lepidium virginicum Linnaeus var. ***virginicum*** (Brassicaceae, poor-man's pepperweed).

****Raphanus raphanistrum*** Linnaeus (Brassicaceae, wild-radish).

****Rorippa austriaca*** (Crantz) Besser (Brassicaceae, Austrian yellow-cress). [all first reports for NM]

— Elizabeth Makings [PO Box 874501, Tempe, AZ 85287-4501]

****Hackelochloa granularis*** (Linnaeus) Kuntze (Poaceae, pit-grass): Hidalgo County: Peloncillo Mountains, 0.14 miles north of The Bioresearch Ranch, east of Rodeo, 31.73185 -108.9796, Post Office Canyon, open oak woodland, southeast facing slope, volcanic soil, mostly reddish brown rhyolite, with Emory oak, gramas, bluestems, and stem succulents, infrequent annual, 5457 ft, 25 Aug 2008, [Elizabeth Makings](#) (with Will Moir) [3049](#) (ASU). [This marks the first specimen known from NM since Charles Wright's collection of 1851, which has not been located and was of dubious provenance.]

— Richard Spellenberg [New Mexico State University, Las Cruces 88003]

In this very moist spring I was collecting *Eschscholtzia* for Nabeeh Hassan, one of Donovan Bailey's students, when I noticed a *Lasthenia* sporadic among the poppy plants. This species is common in Arizona and California, but I was not aware of it occurring in New Mexico. It turns out that it had been reported from Grant County, based solely on a Greene specimen that could not be located. This new record confirms its presence for New Mexico.

Lasthenia gracilis (A. P. de Candolle) Greene. (Asteraceae, common goldfields): Hidalgo County: 4 km NW of US Hwy 70 on S end of loop to Virden, 1.6 km SW of Crossing of Gila River, 7.6 km SW of Virden, 32°38'39.5"N, 108°57'56.6" (WGS84), 1235 m, rolling gravelly hills of valley side, arid grassland with sporadic *Larrea*, *Prosopis*, *Dichelostemma*, *Calycoseris*, *Eschscholtzia*, 7 Apr 2010, [R. Spellenberg & N. Zucker 14139](#) (NMC, NY).

— Richard Worthington [P.O. Box 13331, El Paso, TX 79913]

Amaranthus polygonoides Linnaeus (Amaranthaceae, tropical amaranth): Luna County, Victorio Mts, 3 mi. S of Gage Exit from I-10, old mining town with limestone ridges (T24S, R12W, sec. 33, NW 1/4) 1340 m, 25 August 1984 R.D. Worthington 12429 (UTEP). Det. by Donald B. Pratt. [first record for NM]

— Timothy Lowrey [Biology Dept., 1 University of New Mexico, Albuquerque, NM 87131-0001]

Malacothrix coulteri Harvey & A. Gray (Asteraceae, snake's head): Grant County: About 18 air miles NNW of Virden, N32.90204°, W109.04205°, soil from reddish volcanic rock, 1470m, with *Fouquieria splendens*, *Juniperus monosperma*, *Opuntia engelmannii*, *Prosopis glandulosa*, plant with milky sap, only one plant seen, 4 April 2010, [R. C. Sivinski 7481](#) with T.K. Lowrey and P.C. Tonne (UNM). [first report for NM]



Botany is the natural science that transmits the knowledge of plants.

— *Linnaeus*



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Kelly Allred
Email: kallred@nmsu.edu
or
The New Mexico Botanist
Email: kbustos@nmsu.edu

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Kelly Allred, editor

Botanical Literature of Interest

- Al-Shehbaz, I.A. (ed.) 2010. *Brassicaceae*, p. 224-746. IN: Flora of North America, vol. 7. Oxford University Press, New York.
- Anderton, L.K. & M. Barkworth. 2009. *Grasses of the Intermountain Region*. Intermountain Herbarium, Utah State University, Logan.
- Douglas, N. & R.S. Spellenberg. 2010. **A new tribal classification of Nyctaginaceae**. *Taxon* 59 (3):905-910.
- Lewis, W. H. & B. Ertter. 2010. *Rosa woodsii* subsp. *puberulenta* and variety *erterae* (Rosaceae), New in Western North America. *Novon* 20(1):47-52.
- Moir, W.H. 2010. **Vascular plants of the Central Peloncillo Research Natural Area**. Report to the Las Cruces Area Office, USDI Bureau of Land Management.
- Nesom, G.L. 2010. **Geography of unifoliolate taxa of Fraxinus (Oleaceae)**. *Phytoneuron* 2010-17:1-6.
- Nyffeler, R. & U. Eggli. 2010. **Disintegrating Portulacaceae: A new familial classification of the suborder Portulacineae (Caryophyllales) based on molecular and morphological data**. *Taxon* 59(1):227-240.
- Ohba, H. 2009. *Sedum*, p. 199-222. IN: Flora of North America, vol. 8. Oxford University Press, New York.
- Turner, B.L. 2010. **Infraspecific categories in *Thelesperma filifolium* (Asteraceae: Coreopsideae)**. *Phytologia* 92(1):27-30. [var. *intermedium* (Rydberg) Shinnars in NM]
- Van Ee, B., P.E. Berry, & S. Ginzburg. 2009. **An assessment of the varieties of *Croton glandulosus* (Euphorbiaceae) in the United States**. *Harvard Papers in Botany* 14(1):45-59. ☺



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COOPERATIVE EXTENSION SERVICE
U.S. Department of Agriculture
New Mexico State University
Las Cruces, NM 88003