

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.

— Tim Lowrey [Museum of Southwestern Biology, MSC03 2020, 1 University of New Mexico, Albuquerque, NM, USA 87131-0001]

Hexalectris colemanii (Catling) A.H. Kennedy & L.E.

Watson (Orchidaceae): Hidalgo County: Peloncillo Mountains, Cottonwood Canyon, 39 m east of Arizona-New Mexico state boundary, 130 m east of Geronimo Trail, 7.5' USGS Skeleton Canyon topographic quadrangle Zone 12A 0685596mE, 3486984mN (NAD83), Lat. 31.5028, Long. -109.0457 (WGS84), *Quercus grisea* woodland with *Agave palmeri*, *Arctostaphylos pungens*, *Rhus choriophylla*, *Elymus elymoides*, *Eragrostis intermedia*, *Ericameria laricifolia*, *Juniperus deppeana*, *Muhlenbergia emersleyi*, *Nolina microcarpa*, *Quercus emoryi*, and *Rhus trilobata*, single individual in sandy soil between boulders on east side of canyon in duff under *Q. grisea*, 1620m (5315ft), 31 May 2012, Michelle Cloud-Hughes 27 with Marc Baker and Ron Coleman (UNM). [first report of this species for NM].

— Nesom, G.L. 2012. Taxonomy of *Apiastrum*, *Ammoselinum*, and *Spermolepis* (Apiaceae). Phytoneuron 2012-85: 1-49.

Spermolepis lateriflora Nesom: Dona Ana, Grant, Hidalgo, and Luna counties. [new species & first report for NM]

Spermolepis organensis Nesom: Dona Ana County. [new species & first report for NM]

— Harms, R.T. 2014. A new species of *Evolvulus* (Convolvulaceae) from the High Plains of the Texas/New Mexico border. Phytoneuron 2014-20: 1-20.

Evolvulus arenarius Harms: Chaves, Curry, Eddy, and Roosevelt counties. [new species & first report for NM]

— Turner, B.L. 2012. Taxonomy of the *Croton texensis* complex (Euphorbiaceae). Phytologia 94(1):35-39.

Croton texensis (Klotzsch) Müller Argoviensis var. ***utahensis*** Cronquist : Catron, Chaves, Dona Ana, Eddy, Grant, Guadalupe, Rio Arriba, and Santa Fe counties. [first report for NM]

— Nesom, G.L. 2014. Taxonomy of *Cyclanthera* (Cucurbitaceae) in the USA. Phytoneuron 2014-11: 1-17.

Cyclanthera gracillima Nesom: Dona Ana and Hidalgo counties.

Cyclanthera naudiniana Nesom: Mora, San Miguel, and Union counties.

— Al-Shehbaz, I.A. 2013. *Draba henrici* (Brassicaceae), and new species from northern New Mexico. Harvard Papers in Botany 18(1): 91-93.

Draba henrici Al-Shehbaz: Taos County.

— Larson, J., B. Reif, B.E. Nelson, & R.L. Hartman. 2014. Floristic studies in north central New Mexico, U.S.A., the Sangre de Cristo Mountains. J. Bot. Res. Inst. Texas 8(1): 271-303.

Artemisia borealis Pall. (Asteraceae): Taos County. [first report for NM]

Crepis tectorum Linnaeus (Asteraceae): Colfax County. [first report for NM]

Erigeron compositus Pursh (Asteraceae): Taos County. [first report for NM]

Tripleurospermum inodorum (Linnaeus) Schultz-Bipontinus (Asteraceae): Taos County. [second report for NM]

Draba nemorosa Linnaeus var. ***nemorosa*** (Brassicaceae): Taos County. [first report for NM]

Lepidium densiflorum Schrader var. ***macrocarpum*** G.A. Mulligan (Brassicaceae): Taos County. [first report for NM]

Silene hitchguirei Bocq. (Caryophyllaceae): Taos County. [first report for NM]

Carex gynocrates Wormskjold ex Drejer (Cyperaceae): Taos County. [second report for NM]

Carex lenticularis Michaux var. ***lipocarpa*** (Holm) L. Standley (Cyperaceae): Santa Fe County. [verified for NM]

Botanice` est Scientia Naturalis quae Vegetabilium cognitiorem tradit.

— **Linnaeus**



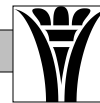
Botanical Literature of Interest

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- Al-Shehbaz, I.A. 2014. **A synopsis of the genus *Noccaea* (Coluteocarpeae, Brassicaceae)**. Harvard Papers in Botany 18(1): 25-51.
- Al-Shehbaz, I.A. 2013. ***Draba henrici* (Brassicaceae), and new species from northern New Mexico**. Harvard Papers in Botany 18(1): 91–93.
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- Brach, A.R. & D.E. Boufford. 2011. **Why are we still producing paper floras?** Ann. Missouri Bot. Gard. 98: 297-300. [do you know the answer to that question?]
- Cholewa, A.F. 2014. ***Lysimachia latifolia* (Myrsinaceae), an overlooked nomenclatural change**. Phytoneuron 2014-28: 1–2. [and other nomenclatural changes]
- Ciadella, A.M., S.M. Sede, K. Romaschenko, P.M. Peterson, R.J. Soreng, F.O. Zuloaga, & O. Morrone. 2014. **Phylogeny of *Nassella* (Stipeae, Pooideae, Poaceae) based on analyses of chloroplast and nuclear ribosomal DNA and morphology**. Syst. Bot. 39(3): 814-828.
- Culley, T.M. 2013. **Why vouchers matter in botanical research**. Applications in Plant Sciences 1(11): 1300076. [online journal]
- Egger, J.M. 2012. **The status of *Castilleja tomentosa* A. Gray (Orobanchaceae) and first records for this species from the United States**. Phytoneuron 2012-72: 1–7. [validates recognition of *C. tomentosa* in NM]
- Finley, W.F. & L.J. Nieland. 2013. **Land of Enchantment Wildflowers**. Texas Tech University Press. 383 pp. [a beautifully illustrated field guide]
- Fuentes-Bazan, S., G. Mansion, and T. Borsch. 2012. **Towards a species level tree of the globally diverse genus *Chenopodium* (Chenopodiaceae)**. Molec. Phylogenet. Evol. 62: 359–374.
- Fuentes-Bazan, S., P. Uotila, and T. Borsch. 2012. **A novel phylogeny-based generic classification for *Chenopodium sensu lato*, and a tribal rearrangement of Chenopodioideae (Chenopodiaceae)**. Willdenowia 42: 5–24. [*Chenopodium* divided into seven genera]
- Grusz, A.L. & M.D. Windham. 2013. **Toward a monophyletic *Cheilanthes*: The resurrection and recircumscription of *Myriopteris* (Pteridaceae)**. PhytoKeys 32: 49–64.
- Grusz, A.L., M.D. Windham, G. Yatskievych, L. Huiet, G.J. Gastony, & K.M. Pryor. 2014. **Patterns of diversification in the xeric-adapted fern genus *Myriopteris* (Pteridaceae)**. Syst. Bot. 39(3): 698-714.
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- Lang, A. & M. Stech. 2014. **What's in a name? Disentangling the *Dicranum scoparium* species complex (Dicranaceae, Bryophyta)**. Syst. Bot. 39(2): 369-379.
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- Locklear, J.H. 2014. **Taxonomic identity and historical accounts of *Dalea cylindriceps* (Fabaceae), and species of conservation concern in the Great Plains (U.S.A.)**. J. Bot. Res. Inst. Texas 7(2): 879–890.
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- Kennedy, A.H. & L.E. Watson. 2010. **Species delimitations and phylogenetic relationships within the fully myco-heterotrophic *Hexalectris* (Orchidaceae)**. Syst. Bot. 35(1):64-76.

(Continued on page 3)

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

— Linnaeus



(Continued from page 2)

- Larson, J., B. Reif, B.E. Nelson, & R.L. Hartman. 2014. **Floristic studies in north central New Mexico, U.S.A., the Sangre de Cristo Mountains.** *J. Bot. Res. Inst. Texas* 8(1): 271-303.
- Lipscomb, B.L. 2013. **In memory of BRIT co-founder Wm. F. "Bill" Mahler, 1930-2013.** *J. Bot. Res. Inst. Texas* 7(2): 615 – 631. [must reading for all Southwestern botanists]
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- Nesom, G.L. 2012. **Taxonomy of *Polytaenia* (Apiaceae): *P. nuttallii* and *P. texana*.** *Phytoneuron* 2012-66: 1–12. [verifies that *P. nuttallii* does not occur in NM]
- Nesom, G.L. 2012. **Taxonomy of *Eurytaenia* (Apiaceae).** *Phytoneuron* 2012-67: 1–7. [corrects identification of NM species to *E. hinckleyi*]
- Nesom, G.L. 2012. **Taxonomy of *Apiastrum*, *Ammoselinum*, and *Spermolepis* (Apiaceae).** *Phytoneuron* 2012-85: 1–49. [two species new to NM]
- Nesom, G.L. 2012. **Notes on the *Garrya ovata* (Garryaceae) complex.** *Phytoneuron* 2012-97: 1–6. [*G. ovata goldmanii* recognized at specific rank]
- Nesom, G.L. 2013. **New distribution records for *Erythranthe* (Phrymaceae).** *Phytoneuron* 2013-67: 1–15.
- Nesom, G.L. 2014. **Taxonomy of *Cyclanthera* (Cucurbitaceae) in the USA.** *Phytoneuron* 2014-11: 1–17. [segregation of *C. dissecta* into four species, with two new names for NM]
- Nesom, G.L. 2014. **Taxonomy of *Erythranthe* sect. *Erythranthe* (Phrymaceae).** *Phytoneuron* 2014-31: 1–41. [our old *Mimulus*]
- Nesom, G.L. 2014. **Updated classification and hypothetical phylogeny of *Erythranthe* sect. *Simiola* (Phrymaceae).** *Phytoneuron* 2014-81: 1–6.
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- Pruski, J.F. and R.L. Hartman. 2012. **Synopsis of *Leucosyris*, including synonymous *Arida* (Compositae: Astereae).** *Phytoneuron* 2012-98: 1–15. [*Arida* is submerged within *Leucosyris*]
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- Soltis, D.E., C.J. Visger, & P.S. Soltis. 2014. **The polyploidy revolution then...and now: Stebbins revisited.** *Amer. J. Bot.* 101:1057-1078.
- Stace, C.A. 2010. **Classification by molecules: What's in it for field botanists?** *Watsonia* 28: 103-122. [here's a snippet from the abstract: "...It is concluded that, far from being remote and of interest only to professional molecular biologists, molecular systematics is highly relevant to the study and enjoyment of plants by all botanists, from molecular biologists to plant hunters, who still have much to contribute." (available here <http://archive.bsbi.org.uk/index.html>)]
- Stern, S.R., L. Bohs, & J. Keeling. 2014. **New species and combinations in *Solanum* section *Androceras* (Solanaceae).** *J. Bot. Res. Inst. Texas* 8(1): 1-7.
- Turner, B.L. 2012. **Taxonomy of the *Croton texensis* complex (Euphorbiaceae).** *Phytologia* 94(1):35-39. [recognition of var. *utahensis*]
- Turner, B.L. 2013. **Taxonomy of *Tecoma stans* (Bignoniaceae) in North America.** *Phytologia* 95 (3): 222-225.
- Turner, B.L. 2013. **Taxonomy of *Physaria purpurea* (Brassicaceae).** *Phytologia* 95(4): 321-323.
- Turner, B.L. 2013. **Recension of the genus *Fendlerella* (Hydrangeaceae).** *Phytologia* 95(4): 308-313.
- Turner, B.L. 2014. **Taxonomic overview of *Eustoma* (Gentianaceae).** *Phytologia* 96(1): 7-11.
- Zika, P.F. 2012. ***Juncus trilocularis* (Juncaceae), a new rush species from western North America.** *Rhodora* 114(959):309-329. [calls into question the occurrence of *J. brachyphyllus* in NM]



Miscellaneous Notes from the Editor

- ◆ If you enjoy all those exotic-sounding scientific names, then you might like this: http://la.wikipedia.org/wiki/Vicipaedia:Pagina_prima.
- ◆ Now that many articles are published digitally and online, you might be wondering about the “DOI” that is attached to their bibliographic citations. This from the web: “A digital object identifier (DOI) is a unique alphanumeric string assigned by a registration agency (the International DOI Foundation) to identify content and provide a persistent link to its location on the Internet. The publisher assigns a DOI when your article is published and made available electronically.” [<http://www.apastyle.org/learn/faqs/what-is-doi.aspx>]

Please note



Publication Information

“The New Mexico Botanist” is a newsletter to help make information about the flora of New Mexico readily available to the botanists of the state. The newsletter focuses on floristic and taxonomic information of interest to the botanists of the state, such as new state records, nomenclatural notes and explanations, brief taxonomic summaries, reports of inventories, information about threatened and endangered species, announcements and reports of meetings and conferences, and the like.

Numbers 1-59 were joint contributions from the Range Science Herbarium (NMCR) and the Cooperative Extension Service of New Mexico State University, and were published in a regular newsletter format with several articles per issue. They were issued first in a printed, paper version, and then in a pdf, digital version (but in the same newsletter format as the paper version).

Numbers 60 onward emanate solely from the editor, Kelly Allred, and continue in the digital format. But, rather than containing several articles, each issue now will be composed of a single main article, and will be published as the articles are submitted to the editor. An exception will be two often-appearing articles moderated by the editor: Botanical Literature of Interest, and Plant Distribution Reports; these may appear as accessory articles in any issue.

Submissions will be reviewed by the editor, who may ask the author(s) to make minor changes or to solicit further outside reviews or comments. Articles containing descriptions of taxonomic novelties or nomenclatural innovations will not be accepted (please send these to more formal botanical journals). Submissions may be sent to the editor at kallred@nmsu.edu.

You may be placed on the emailing list by sending your name and email address to kallred@nmsu.edu. An archive of all issues is available online at floraneomexicana.org.

— Kelly Allred, editor