

The New Mexico Botanist, Issue No. 1

September 1995

Introduction

This marks the first issue of "The New Mexico Botanist." This semiannual newsletter, issued jointly by the Range Science Herbarium and the Cooperative Extension Service of New Mexico State University, is dedicated to furthering and sharing our knowledge of the New Mexico flora. It will focus on floristic and taxonomic information of interest to the botanists of the state, such as new state records, nomenclatural notes and explanations, pertinent literature, reports of inventories and theses, threatened and endangered species, announcements and reports of meetings and conferences, and the like. Additionally, I will try to maintain a "Directory of New Mexico Botanists," anticipating this will facilitate better communication and cooperation among us all.

The New Mexico Botanist is not meant to be a source of publication of original research. I recommend making use of the usual avenues of publication, which I will then try to report in the newsletter. Perhaps an exception to this would be the inclusion in The New Mexico Botanist reports of new finds in the state and distribution records of interest to the state's botanists. Obviously, I will be feeling my way a bit as we proceed.

The usefulness of The New Mexico Botanist will be greatly enhanced by you. Please send me your comments, complaints, ideas, and contributions (see "Publication and Subscription Information" on the last page). I am especially interested in those obscure inventories and reports that are published by various agencies and corporations, but whose distribution is meager. I regularly peruse the standard technical journals commonly available at a university library (*Brittonia*, *Rhodora*, *Phytologia*, *Systematic Botany*, *American Journal of Botany*, *Great Basin Naturalist*, etc.), but please send along articles from less well-known journals. Note that the Calendar section is a bit sparse; I could use some additional coming events (keep in mind we only appear twice a year). And don't be surprised if I call on you for a short article or report that I think will be of interest to us all.

This inaugural issue includes the first installment of our "Directory of New Mexico Botanists" (page 3). Many thanks to all who responded with information for the Directory. My apologies for any errors in your listing. I will maintain a running column with additions and corrections to the Directory, so please send me errata, as well as information from those of you who were not included in the first listing. The directory will be kept in a separate data base, and a corrected, comprehensive copy may be requested from me at any time.

Thank you for your interest in The New Mexico Botanist and in the flora of New Mexico
— Kelly Allred, Editor

World Wide Web and Gopher Sites of Interest to Botanists

WWW Sites of Interest to Botanists

<http://meena.cc.uregina.ca/~liushus/bio/botany.html>

<http://biomserv.univ-lyon1.fr/Ecology-WWW.html>

Arizona Nature Conservancy

<http://hanksville.phast.umass.edu/defs/independent/AZNC/AZlist.html>

Arnold Arboretum

gopher://huh.harvard.edu/11collections_info/aa

Biodiversity and Biological Collections WWWs (Botany)

<http://muse.bio.cornell.edu/taxonomy/botany.html>

A Biologist's Guide to Internet Resources by Una R. Smith, 1993

<gopher://sunsite.unc.edu/1m/./pub/academic/biology/ecology+evolution/bioguide/bioguide.item>

BIOSCI/bionet Electronic Newsgroup for Biology

<http://www.bio.net/>

Bishop Museum Botany Page

<http://job.hcc.hawaii.edu:8080/bishop/botany/botany.html>

Botany Department, University of Georgia

<http://dogwood.botany.uga.edu/>

California State University Stanislaus Botany 3700 Home Page

<http://130.17.2.215/>

Connecticut College Herbarium

<http://herbarium.conncoll.edu/>

Detailed Family Descriptions

http://florawww.eeb.uconn.edu/FAM_DESC_fdlist.htm

Flora of North America

<http://atg1.wustl.edu/FNA/>

Gray Card Index

gopher://huh.harvard.edu:70/11/project_information/authority/botany/gray_cards

The Intermountain Herbarium, Utah State University
<http://www.biology.usu.edu/biology/plant.html>

International Organization for Plant Information
<http://life.anu.edu.au/biodiversity/iopi/iopi.html>

Lythraceae, The Loostrifes
<http://simon.kent.edu/Biology/SGraham.html>

Missouri Botanical Garden
<http://mobot.org/MoBot/welcome.html>

Montana Natural Heritage Program
<http://nris.msl.mt.gov/mtnhp/nhp-dir.html>

National Biological Service (NBS)
<http://www.its.nbs.gov/nbs/>

Oklahoma Museum of Natural History (Oklahoma Biological Survey)
<http://obssun02.uoknor.edu/omnh/home.html>

Oklahoma Natural Heritage Inventory
<http://obssun02.uoknor.edu/biosurvey/onhi/home.html>

Organismic & Evolutionary Biology, Harvard university (links to herbarium and arboretum gopher servers)
<http://oeb.harvard.edu/>

Plant Resources Information Laboratory
<http://lib-www.ucr.edu/gomez-pompa/>

SMASCH Project
<http://www.calacademy.org/smasch.html>

Smithsonian Natural History, Department of Botany
<http://nmnhwww.si.edu/departments/botany.html>

TAXACOM List Serve Archives
<http://muse.bio.cornell.edu/archive/taxacom.html>

Texas A&M University, Plant Taxonomy
<http://www.isc.tamu.edu/FLORA/tfphome1.html>

Texas Threatened and Endangered Species
<http://is.rice.edu/~shel/Herp/tx.endangered.html>

TROPICOS via Remote Managing Gigabytes
<http://keck.tamu.edu/cgiMG/wwwRMG.mobot.html>

University of Delaware Botanic Gardens
gopher://bluehen.ags.udel.edu:71/hh/.botanic_garden/botanicg.html

University of Florida Herbarium (FLAS)
<http://nabalu.flas.ufl.edu/flashome.html>

University of Guelph, Botany Department
<http://www.uoguelph.ca/CBS/Botany/botany.htm>

University of Toronto Botany Server
<http://www.botany.utoronto.ca/>

University of Wisconsin, Botany Gopher
<gopher://gopher.adp.wisc.edu:3000/7?botany>

Vatican Exhibit - Herbals
<http://www.ncsa.uiuc.edu/SDG/Experimental/vatican.exhibit/exhitit/g-nature/Botany.html>

Literature Reports

Allred, K.W. 1994. A new name for *Aristida hamulosa* (Gramineae). *Phytologia* 7(5):411-413.

Anderson, L.C. 1995. The *Chrysothamnus-Ericameria* connection (Asteraceae). *Great Basin Naturalist* 55(1):84-88. [Completes the submergence of *Chrysothamnus* into *Ericameria*; see Nesom & Baird 1993.]

Barkworth, M.E. 1993. North American Stipeae (Gramineae): Taxonomic changes and other comments. *Phytologia* 74(1):1-25. [*Stipa perplexa*.]

Barneby, R.C. 1991. *Sensitivae Censitae*. *Mem. N.Y. Bot. Gard.* 65:1-835. [A thorough and detailed treatment of the mimosoid genera of Fabaceae s.l.]

Bierner, M.W. 1994. Submerger of *Dugaldia* and *Plummera* in *Hymenoxys* (Asteraceae: Heliantheae: Gaillardiiinae). *Sida* 16(1):1-8. [Completes the transfer of much of the old *Helenium* to *Hymenoxys*.]

Chinnappa, C.C. 1992. *Stellaria porsildii*, sp. nov., a new member of the *S. longipes* complex (Caryophyllaceae). *Syst. Bot.* 17(1):29-32.

Dorn, R.D. 1995. A taxonomic study of *Salix* section *Cordatae* subsection *Luteae* (Salicaceae). *Brittonia* 47:160-174. [See also Dorn's earlier *Willows of the Rocky*

Mountain States. *Rhodora* 79:390-429. 1977.]

Fryxell, P.A. 1994. Malvaceae. *J. Ariz.-Nev. Acad. Sci.* 27(2):222-236. [Gives an up-to-date accounting of southwestern Malvaceae, excluding Sphaeralcea.]

Grimes, J.W. 1990. A revision of the New World species of Psoraleae (Leguminosae: Papilinoideae). *Mem. N.Y. Bot. Gard.* 61:1-113.

Hess, W.J. and R.C. Sivinski. 1995. A new species of *Zigadenus* (Liliaceae) from New Mexico, with additional comments on the section *Anticlea*. *Sida* 16(3):389-400. [*Zigadenus mogollonensis*.]

Jones, S.D., C.T. Bryson, and J.E. Ubelaker. 1993. *Carex blanda* and *Kyllinga odorata* (Cyperaceae) new to New Mexico and a significant range extension of *Cyperus retrorsus*. *Sida* 15(3):552-553.

Jones, S.D. and G.D. Jones. 1993. *Cyperus setigerus* (Cyperaceae) new for New Mexico. *Sida* 15(4):655-656.

Ladyman, J.A.R. 1995. Status assessment of *Trifolium longipes* ssp. *neurophyllum*. New Mexico Natural Heritage Program, Albuquerque.

Kartesz, J.T. and K.N. Gandhi. 1995. Nomenclatural notes for the North American flora. XIV. *Phytologia* 78(1):1-17. [*Sporobolus compositus* replaces *S. aspera*.]

Kearns, D.M. 1994. The genus *Ibervillea* (Cucurbitaceae): An enumeration of the species and two new combinations. *Madrono* 41(1):13-22.

Knight, P.J. and A.C. Cully. 1991. A new species of *Astragalus* (Fabaceae) from southeastern New Mexico. *Southw. Naturalist* 36(2):198-200. [*Astragalus kerrii*]

Lowrey, T.K. and P.J. Knight. 1994. *Townsendia gypsophila* (Compositae: Astereae): a new species from northern New Mexico. *Brittonia* 46:194-199.

Matthews, J.F., D.W. Ketron, and S.F. Zane. 1992. The reevaluation of *Portulaca pilosa* and *P. mundula* (Portulacaceae). *Sida* 15:71-89. [Reaffirming the submergence of *Portulaca mundula*.]

Mayfield, M.H. 1993. New combinations in *Chamaesyce* A. Gray (Euphorbiaceae) from Texas and the Chihuahuan Desert. *Phytologia* 75(2):178-183.

McDonald, C. ed. 1995. Endangered plants notes and news. Number 1. U.S. Fish and Wildlife Service, N.M. Ecological Services State Office, 2105 Osuna NE, Albuquerque, NM 87113. [An "irregularly published series of notes" on endangered plant species. This issue includes notes on *Trifolium longipes*, a sensitive plant survey in the Jemez Mts, various projects on *Sclerocactus*, *Astragalus*, *Echinocereus*, *Pediocactus*, *Cirsium*,

Helianthus, Ipomopsis, and Puccinellia, and reports on category updates.]

McIntosh, L. 1994. First report of *Castilleja ornata* (Scrophulariaceae) from the United States. *Phytologia* 76:329-332.

McKinney, L.E. 1992. A taxonomic revision of the acaulescent blue violets (*Viola*) of North America. *Sida, Bot. Misc.* 7:1-60.

Nesom, G.L. 1990. Taxonomic summary of *Ericameria* (Asteraceae: Astereae), with the inclusion of *Haplopappus* sects. *Macronema* and *Asiris*. *Phytologia* 68(2):144-155.

Nesom, G.L. 1990. Taxonomy of the genus *Laennecia* (Asteraceae: Astereae). *Phytologia* 68(3):205-228.

Nesom, G.L. 1990. Studies in the systematics of Mexican and Texas *Grindelia* (Asteraceae: Astereae). *Phytologia* 68(4):303-332.

Nesom, G.L. 1990. Taxonomy of *Erigeron bellidiastrum* (Asteraceae: Astereae), with a new variety. *Phytologia* 69(3):163-168. [Var. *arenarius*.]

Nesom, G.L. 1991. Taxonomy of *Isocoma* (Compositae: Astereae). *Phytologia* 70:69-114.

Nesom, G.L. 1991. A new species of *Erigeron* (Asteraceae: Astereae) from northwestern New Mexico. *Phytologia* 71(5):416-419. [*Erigeron sivinskii*.]

Nesom, G.L. 1994 [1995]. Review of the taxonomy of *Aster sensu lato* (Asteraceae: Astereae), emphasizing the New World species. *Phytologia* 77(3):141-297. [A somewhat controversial treatment of the genus *Aster*, which restricts the genus to the Old World, leaving our species in the genera *Symphotrichum*, *Eurybia*, *Almutaster*, and *Chloracantha*.]

Nesom, G.L. and G.I. Baird. 1993. Completion of *Ericameria* (Asteraceae: Astereae), diminution of *Chrysothamnus*. *Phytologia* 75(1):74-93. [Reduction of most of *Chrysothamnus* into *Ericameria*; see Anderson 1995.]

Nesom, G.L. and B. Hevron. 1995. *Erigeron bistiensis* (Asteraceae: Astereae): A new species from northwestern New Mexico. *Madrono* 42:12-18.

Nesom, G.L. and D.R. Morgan. 1990. Reinstatement of *Tonestus* (Asteraceae: Astereae). *Phytologia* 68:174-180.

Roalson, E.H., S.D. Jones, and K.W. Allred. 1995. *Carex amplifolia* and *Carex rossii* (Cyperaceae), new to New Mexico and a key to section *Montanae* in New Mexico. *Sida* 16(3):592-594.

Rollins, R.C. 1993. The Cruciferae of continental North America: Systematics of the mustard family from the Arctic to Panama. Stanford University Press, Stanford, California. Pp. 976.

Sivinski, R. 1993. Noteworthy collections (New Mexico). *Madrono* 40:273-274.

Sivinski, R. 1994. A review of *Cryptantha fulvocanescens* (Boraginaceae) with the re-evaluation of Greene's *Oreocarya nitida*. *Madrono* 41(4):243-253.

Sivinski, R. and K. Lightfoot. 1994. Status summary for the grama grass cactus (*Toumeyia papyracantha*). U.S. Fish and Wildlife Service, Region 2 Office, Albuquerque.

Sivinski, R. and K. Lightfoot, Eds. 1995. Inventory of rare and endangered plants of New Mexico. 3rd. Ed. New Mexico Forestry and Resources Conservation Division, Misc. Publ. No. 4.

Sivinski, R., T. Lowrey, and R. Peterson. 1994. Additions to the native and adventive flora of New Mexico. *Phytologia* 76(6):473-479.

Spellenberg, R., L. McIntosh, and L. Brouillet. 1993. New records of angiosperms from southern New Mexico. *Phytologia* 75:224-230.

Todsen, T.K. 1995. *Malaxis wendtii* (Orchidaceae) in the United States. *Sida* 16(3):591. [*Malaxis wendtii* replaces *M. ehrenbergii* in N.M.]

Turner, B.L. 1994. Revisionary study of the genus *Allionia* (Nyctaginaceae). *Phytologia* 77(1):45-55.

Turner, B.L. 1995. Synopsis of the genus *Onosmodium* (Boraginaceae). *Phytologia* 78:39-60.

Turner, B.L. and T.M. Barkley. 1990 Taxonomic overview of the *Senecio flaccidus* complex in North America, including *S. douglasii*. *Phytologia* 68(6):51-55.

Valdes-R., J. and S.L. Hatch. 1995. Anatomical study of *Erioneuron* and *Dasyochloa* (Poaceae: Chloridoideae: Eragrostideae) in North America. *Sida* 16(3):413-426. [Supports recognition of *Dasyochloa*.]

[Various authors and dates]. Vascular plants of Arizona. *J. Ariz.-Nev. Acad. Sci.* Vols. 26(1), 27(2), 29(1) and continuing. [Containing treatments as they are completed of Arizona families.

Wittemore, A.T. 1994. New names in North American *Myosurus* (Ranunculaceae). *Novon* 4:77-79.