

The New Mexico Botanist, Issue No. 2

January 2, 1996

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A List of Master's These and Ph.D. Dissertations from NMSU and UNM Relating to Floristics and Taxonomy

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At least 43 theses and dissertations from New Mexico State University and University of New Mexico relating to floristics and taxonomy have been written since graduate programs began at these institutions. Many other studies dealing with vegetation, ethnobotany, reproduction, evolution, remediation, ecology, and related topics have been completed, but are not listed here. The criteria for inclusion in this list are relatively narrow. The studies must be 1) a flora of a discrete area (e.g., Columbus 1988), or 2) concerned with comparisons within or between groups of plants (e.g., Loomis 1983, Nisbet 1942), or 3) related to rare plants within the state (e.g., Burks 1994). The purposes of this list are to bring to light some of these useful and possibly unknown documents and to contribute to a future bibliography of New Mexico floristics. Copies of the theses or dissertations are found in the libraries of the respective institutions.

New Mexico State University

Burks, Kelly Adele. 1994. The effects of population size and density on the pollination biology of a threatened thistle (*Cirsium vinaceum*). MS Thesis.

Columbus, J. Travis. 1988. Flora of Cooke's Range, southwestern New Mexico. MS Thesis. [Luna County]

Fox, William E. 1993. A field guide to selected New Mexico locoweeds and milkvetches. MS Thesis. [19 species of toxic *Astragalus* and *Oxytropis*]

Leiva, Carlos M. 1985. A morphological comparison between *Eriogonum polycladon*, *E. densum*, and *E. palmerianum*, and geographic variation in *E. polycladon* as related to *E. densum*. MS Thesis.

Loomis, Lynn E. 1983. Some taxonomic and ecological relationships of New Mexico perennial snakeweeds. MS Thesis. [*Gutierrezia microcephala* and *G. sarothrae*]

Mahrt, Matthew Glenn. 1993. Multivariate analysis of geographic variation in *Cymopheris* (*Nyctaginaceae*). MS Thesis.

Metcalf, Orrin Baylor. nd [abt 1904]. The flora of the Mesilla Valley (New Mexico). Senior Thesis.

Munson, Diana Hubert. 1963. A comparative morphology of specimens of *Tagetes erecta*, *Tagetes patula*, *Tagetes lemmoni*, *Dyssodia acerosa*, *Dyssodia pentachaeta*, and *Pectis papposa* from the southwest United States. MS Thesis.

Niles, Wesley E. 1961. A winter key to the trees and shrubs of the Chiricahua Mountains and adjacent areas of southwestern Arizona. MS Thesis.

Roalson, Eric H. 1995. A floristic inventory of the upper main Diamond Creek drainage area. MS Thesis. [Black Range, Gila National Forest, Sierra County]

Rodriguez-Tijerina, Sergio R. 1992. Taxonomy of the *Mirabilis californica* Gray complex (Nyctaginaceae). MS Thesis.

Soreng, Robert J. 1980. A biosystematical comparison of *Poa occidentalis* Vasey and *Poa tracyi* Vasey. MS Thesis

Standley, Paul Carpenter. [abt 1905]. A statistical study of *Echinocereus polyacanthus* Engelm. and its nearest allies as represented by plants growing near the Agricultural Station. Senior Thesis.

Standley, Paul Carpenter. 1909. Original papers on botanical subjects. Portion of MS Thesis?

Standley, Paul Carpenter. 1909. The Allioniaceae of the United States with notes on Mexican species. MS Thesis. [Not found in NMSU library]

Thompson, Jaime. 1991. An investigation of the biology of *Cirsium vinaceum*. MS Thesis.

Trent, Jonathon S. 1985. A study of morphological variability in divaricate *Aristida* of the southwestern United States. MS Thesis.

Wilson, James M. 1974. The comparative anatomy of the anthocarp in eight species of the Nyctaginaceae. MS Thesis.

University of New Mexico

Albrecht, Stephan L. 1971. Biochemical relationships in *Astragalus* and *Oxytropis* (Fabaceae). MS Thesis.

Barnard, Carolyn Marie. 1983. A vegetative key to the grasses of New Mexico. MS Thesis.

Bedker, Ervin Joseph. 1966. A study of the flora of the Manzano Mountains. MA Thesis. [Torrance and Bernalillo Counties]

Bleakly, David Lewis. 1994. flora and vegetation of El Malpais National Monument area, New Mexico. MS Thesis. [Cibola County]

Bobisud, Helen M. 1967. A study of the genus *Phacelia* in New Mexico. MS Thesis.

DeBruin, Ellen A. 1988. Vascular plants and lichens on lava and sandstone substrates in Cibola County, New Mexico. MS Thesis.

Fletcher, Reggie A. 1978. A floristic assessment of the Datil Mountains. MS Thesis.

Garcia, John D. 1970. A study of the genus *Potentilla* in New Mexico. MS Thesis.

Krehoff, Raymond C. 1971. A monographic study of the genus *Aristida* in New Mexico. MS Thesis.

Mackay, Harold A. 1970. A comparative floristic study of the Rio Hondo Canyon-Lake Fork-Wheeler Peak locale, New Mexico and the Huerfano River-Blanco Peak locale, Colorado. Ph.D. Dissertation.

Manthey, G. Thomas. 1977. A floristic analysis of the Sevilleta Wildlife Refuge and Ladron Mountains. MS Thesis.

Marshall, Walter W. 1958. A distributional and taxonomic study of *Ratibida columnifera* var. *columnifera*, *Ratibida columnifera* var. *pulcherrima*, and their hybrids in New Mexico. MS Thesis.

Mexal, John G. 1971. Investigations of biochemical relationships in New Mexico *Ribes* (Saxifragaceae). MS Thesis.

Nisbet, Gladys Turner. 1942. A study of the genus *Penstemon* in New Mexico. MS Thesis.

Olsen, Mary Carol. 1965. A systematic study of the genus *Castilleja* in New Mexico. MS Thesis.

Osborn, Neal L. 1962. The flora of Mount Taylor. MS Thesis.

Osborn, Neal L. 1966. A comparative floristic study of Mount Taylor and Redondo Peak, New Mexico. Ph.D. Dissertation.

Riffle, Nancy L. 1973. The flora of Mount Sedgwick and vicinity. MS Thesis. [Zuni Mts, Cibola and McKinley Counties]

Robertson, Charles W. 1968. A study of the flora of the Cochiti and Bland Canyons of the Jemez Mountains. MS Thesis.

Rominger, James McDonald. 1955. Contributions to the Gramineae of Bernalillo County, New Mexico. MS Thesis.

Simms, Horace R. 1962. A floristic study of the Basidiomycetes of the Sandia Mountains, New Mexico. MS Thesis.

Tatschl, Annehara K. 1966. A floristic study of the San Pedro parks wild area, Rio Arriba County, New Mexico. MS Thesis.

Torres, Andrew Marion. 1958. A cytotaxonomic study of New Mexico Thelesperma. MS Thesis.

Von Loh, James Duwayne. 1977. A flora of the San Andres National Wildlife Refuge, Dona Ana County, New Mexico. MS Thesis.

Wagner, Warren L. 1977. Floristic affinities of Animas Mountains, southwestern New Mexico. MS Thesis.

Herbaria of New Mexico

by Carolyn Dodson

[reprinted from Madrono 37(4):311-313. 1990. Used with permission.]

One of the last states to be explored botanically, New Mexico's first plant specimens were collected in the 1830s (McKelvey, Botanical exploration of the Trans-Mississippi West, 1955). Poorly explored areas still exist in the state.

Moreover, the present size of herbarium collections in New Mexico is markedly smaller than that of neighboring states, in spite of the great diversity in topography and the complex floristic composition of the state. The combined number of specimens in the two largest collections in New Mexico is 158,000, compared with 425,000 specimens in the largest two collections in Arizona, 485,000 in Colorado and 1,272,000 in Texas (Holmgren et al., Index herbariorum part I: The herbaria of the world. 7th ed. 1981). The paucity of study specimens increases the probability that small local collections may well contain forms not found in the larger collections. This directory is compiled to inform students of New Mexico botany of the smaller, local collections available in the state.

Data for this list were collected from questionnaires mailed to 60 institutions including colleges and universities, national parks and monuments, national wildlife refuges, selected museums, and BLM district offices. Telephone calls were made to non-responders and a few herbaria were visited. From the results, 20 collections were judged

appropriate for listing. Collections of less than 200 specimens, and those without data for specimens are not included. Six of the collections have Index Herbariorum standard acronyms; most of the rest probably will never be accessible in the Index. The data for the 20 collections are current as of December 1989. Although I am reasonably certain that this list is complete, I would appreciate hearing of other herbaria for inclusion in an updated list.

The largest collection, at the University of New Mexico, has 100,000 specimens. Next in size is New Mexico State University with 58,000 specimens. Eleven hold between 1000 and 15,000; seven contain less than 1000 specimens.

In 1888 the first herbarium in the state was established, at the State University of New Mexico at Las Cruces. It was the only collection in New Mexico until the 1920s, when the University of New Mexico, Cibola National Forest, and Carlsbad National Park set up herbaria.

Abbreviations used are: No. = number of specimens in the collection; Spec. = specializations of the collections; Imp. coll. = important collections and collectors; Cur. res. = current research at the herbarium.

Alamogordo

White Sands National Monument — P.O. Box 458, Alamogordo, 88310. (505)479-6124. Curator: John A Mangimeli. No.: 200. Spec.: Vascular plants of the White Sands National Monument.

Albuquerque

Bureau of Land Management — 435 Montano NE, Albuquerque, 87101. (505)761-4504. Curator: Dwain W. Vincent. No.: 570. Spec.: Compositae, Cactaceae, Leguminosae. Imp. coll.: *Sclerocactus mesaverdae*, *Pediocactus knowltonii*, *Sclerocactus whipplei*, *Pediocactus (Toumeyia) papyracantha*. Cur. res.: Range of *Abronia bigelovii* on the Todilto Formation, clearances for proposed gypsum mining.

Cibola National Forest Herbarium — 10308 Candelaria NE, Albuquerque, 87112. (505)275-5207. Curator: Fritz Winter. No.: 300. Spec.: Flora of the Cibola National Forest.

Forest Service Herbarium, Southwestern Region — USDA Forest Service, 517 Gold Avenue SW, Albuquerque, 87102. (505)842-3228. Curator: Renee Galeano-Popp. No.: 10,000. Spec.: Flora of Arizona and New Mexico. Imp. coll.: Threatened and endangered species. Cur. res.: Status of rare species.

Rocky Mountain Forest and Range Experiment Station Herbarium (ALBU) — 2205 Columbia SE, Albuquerque, 87106. (505)766-2384. Curator: Deborah Hays. No.: 1368. Imp. coll.: Mountain grasslands collection, collected by Janet Williams, 1984.

University of New Mexico Herbarium and Museum of Botany (UNM) — Museum of Southwestern Biology, Department of Biology, University of New Mexico, Albuquerque, 87131. (505)277-5330. Curator: Timothy Lowrey. No.: 100,000. Spec.: New Mexico and surrounding areas. Imp. coll.: Cacti - E.F. Castetter; Prince Pearce. Grasses - E.F. Castetter; W.C. Martin; R. Fletcher; L.D. Potter; W. Springfield. General collections - E.F. Castetter; H. Dittmer; L.D. Potter; W.C. Martin; R. Fletcher; P. Knight; C.R. Hutchins; Aven Nelson; Dunn and Lint; Los Medanos (WIPP). Cur. res.: Floristics of New Mexico; Ethnobotany; Biochemical Taxonomy; Distribution.

Carlsbad

Carlsbad Caverns National Park Herbarium — National Park Service, Drawer T, Carlsbad, 88220. (505)885-8884. Curator: John E. Roth. No.: 700. Spec.: Guadalupe Mountains, including the large numbers of endemics located there. Imp. coll.: Prasil, 1952; Hewitt-McClelland, 1956; McCrary, 1952; Spangle, 1960. Cur. res.: Floristics list and coverage of species found within the Park's legal boundaries.

Farmington

San Juan College Herbarium (NMSJ) — 4601 College Blvd., Farmington, 87401. (505)326-3311 ext 358. Curator: Kenneth D. Heil. No.: 12,000. Spec.: Four Corner Region, Baja Calif., Big Bend Region, TX, SE Utah; Colorado alpine. Imp. coll.: Astragalus, Atriplex, Cactaceae. Cur. res.: Cactaceae, Eriogonum, Gilia.

Las Cruces

Bureau of Land Management Herbarium — 1800 Marquess, Las Cruces, 88005. (505)525-8228. Curator: Laird McIntosh. No.: 500. Spec.: Poaceae, Astragalus, Asteraceae. Imp. coll.: McIntosh, Sivinski, Spellenberg.

New Mexico State University Herbarium (NMC) — Biology Department, New Mexico State University, Las Cruces, 88003. (505)646-3121. Curator: Richard Spellenberg. No.: 58,000. Spec.: New Mexico and northern Mexico. Imp. coll.: Wooton, Standley, Spellenberg. Cur. res.: Floristics of New Mexico and northern Mexico, systematics of Nyctaginaceae, Astragalus, Poaceae, Quercus.

Range Science Herbarium (NMCR) — Knox Hall, New Mexico State University, Las Cruces, 88003. (505)646-1042. Curator: Kelly W. Allred. No.: 15,000. Spec.: Grasses of New Mexico, teaching specimens. Cur. res.: Grasses of New Mexico.

Las Vegas

New Mexico Highlands University Herbarium — Division of Science and Math, Las Vegas, 87701. (505)425-7511 ext 264. Curator: Maureen Romine. No.: 1000. Spec.: Southwestern plants. Imp. coll.: Lora M. Shields. Cur. res.: Plants of northeastern N.M.

Los Alamos

Bandelier National Monument Herbarium — Bandelier National Monument, Los Alamos, 87544. (505)672-3861. Curator: Ken Stephens. No.: 2200. Spec.: Reference collection and vouchers to document the plant life of Bandelier. Imp. coll.: Clark (1941), Brian F. Jacobs (1986-88). Cur. res.: Plant inventory (1986-88).

Portales

Natural History Museum Herbarium — Eastern New Mexico University, Portales, 88130. (505)562-2723. Curator: A.L. Gennaro. No.: 6000. Spec.: New Mexican Llano Estacado. Imp. coll.: David Yos, Mary Sublette, Jack Secor. Cur. res.: Llano Estacado.

Santa Fe

New Mexico Natural History Institute Herbarium — St. John's College, Santa Fe, 87501-4599. (505)982-3691. Curator: Roger S. Peterson. No.: 4500. Spec.: New Mexico, esp. Santa Fe, San Juan and Chaves counties; alpine tundra; Astragalus of AZ, NV, CA. Cur. res.: Ecological field projects involving NM alpine tundra, and Bitter Lake and Bosque del Apache National Wildlife Refuges.

Silver City

Department of Natural Science Herbarium (SNM) — Western New Mexico university, Silver City, 88061. (505)538-6423. Curator: Terry Heiner. No.: 6000. Spec.: Southwestern NM.

Gila National Forest Herbarium — USDA Forest Service, Silver City, 88061. (505)388-8201. Curator: John Baldwin. No.: 700. Spec.: Local common species of grasses, forbs, and shrubs of southwestern NM, used primarily as a reference for plant identification.

Socorro

Bosque del Apache National Wildlife Refuge Herbarium — Fish and Wildlife Service, P.O. Box 1246, Socorro, 87801. (505)835-1828. Curator: John Taylor. No.: 500. Spec.: Plants collected from the Refuge. Cur. res.: Plant frequency and density; centers around alkaline areas.

Bureau of Land Management, Socorro, Herbarium — 198 Neel Ave., Socorro, 87801. (505)835-0412. Curator: Wes Anderson. No.: 1848. Spec.: Plants of Socorro and Catron Counties. Cur. res.: Threatened and endangered plant inventories, in cooperation with The Nature Conservancy, on Amsonia and Erigeron rhizomatus.

New Plant Distribution Records

New records for New Mexico are documented by the county of occurrence and the disposition of a specimen (herbarium acronym).

— From Tom Todsén (2000 Rose Lane, Las Cruces, NM 88005)

Diodia teres Walt. var. *setifera* Fern. (Rubiaceae): Hidalgo County (NMC)

Erythronium grandiflorum Pursh (Liliaceae): Rio Arriba County (NMC)

— From Jack Carter (P.O. Box 1244, Silver City, NM 88062) and Charles Huff (P.O. Box 1595, Silver City, NM 88062)

Abutilon incanum (Link) Sweet subsp. *pringlei* (Hochr.) Felger & Lowe (Malvaceae): Luna County (SNM,UNM).

— From Robert Dorn (P.O. Box 1471, Cheyenne, WY 82003)

Salix arizonica Dorn (Salicaceae): Taos County (Dorn Personal Herbarium).

Salix brachycarpa Nutt (Salicaceae): Taos County (Dorn Personal Herbarium).

— Allred & Valdes-R. (1995; see literature reports)

Aristida purpurea Nutt. var. *perplexa* Allred & Valdes-R. (Gramineae): several NM counties (NMC,NMCR).

— Heil & Porter (1994; see literature reports):

Sclerocactus cloveriae Heil & Porter subsp. *brackii* Heil & Porter (Cactaceae): San Juan County (SJNM).

— Hess & Sivinski (1995; see literature reports)

Zygadenus mogollonensis Hess & Sivinski (Liliaceae): Catron County (NMC,UNM).

— Nesom (1995; see literature reports):

Chaptalia texana Greene (Asteraceae): Dona Ana County (MO,NY,US).

— Enquist & Crozier (1995; see literature reports)

Anemone tuberosa Rydb. var. *texana* Enquist & Crozier: Eddy County (TEX-LL).

Literature Reports

Taxonomy and Floristics

Allred, K.W. & J. Valdes-R. 1995. Novelties and notes in North American *Aristida* (Gramineae). *Novon* 5:209-222. [*Aristida schiedeana* var. *orcuttiana*, *Aristida purpurea* var. *perplexa*, *Aristida purpurea* forma *brownii*.]

[Anderson, D.]. 1995. Floral checklist for White Sands Missile Range, New Mexico. White Sands Missile Range, Environmental Services Division. [This is a draft, unpublished checklist.]

Baden, C. & R. von Bothmer. 1994. A taxonomic revision of *Hordeum* sect. *Critesion*.

Nord. J. Bot. 14(2):117-136. [Recognition of *Hordeum jubatum* subsp. *intermedium*.]

Baldini, R.M. 1995. Revision of the genus *Phalaris* L. (Gramineae). *Webbia* 49(2):265-329.

Brako, L., A.Y. Rossmann, & D.F. Farr. 1995. *Scientific and Common Names of 7,000 Vascular Plants in the United States*. APS Press, St. Paul, Minnesota.

Brown, D.E. (ed.). 1982 (1994). *Biotic communities: Southwestern United States and northwestern Mexico*. and Bown, D.E. & C.H. Lowe. 1982 (1994). *Biotic communities of the Southwest: A supplementary map to Biotic communities*. [A welcome reprinting of the classic 1982 work.]

Crisp, M.D. & J.J. Doyle (eds). 1995. *Advances in legume systematics*. Pt. 7. *Phylogeny*. Royal Botanic Gardens, Kew, Richmond, Surrey, UK. ISBN 0-947643-79-6]

Dorn, R.D. 1995. A taxonomic study of *Salix* section *Cordatae* subsection *Luteae* (Salicaceae). *Brittonia* 47:160-174.

Dressler, R.L. 1993. *Phylogeny and classification of the orchid family*. Dioscorides Press, Portland, Oregon. [Redefinition of *Habenaria* and *Platanthera*.]

Enquist, M. & B. Crozier. 1995. *Anemone tuberosa* (Ranunculaceae) from Texas. *Phytologia* 78(6):428-445. [var. *texana* in Eddy County.]

Fosberg, F.R. 1931. The cacti of the Pyramid Peak region, Dona Ana County, New Mexico. *South. Calif. Acad. Sci. Bull.* 30:67-73.

Goodman, G.J. & C.A. Lawson. 1995. *Retracing Major Stephen H. Long's 1820 Expedition*. University of Oklahoma Press, 366 p. [An invaluable guide to this important scientific expedition to the west, from which over 100 new species of plants were named; the party spent 10 days in New Mexico; includes copious notes on the plants.]

Hayward, B.J., T.C. Heiner, & B.F. Miller. 1978?. *Resource Inventory of the Alamo Hueco-Big Hatchet-Sierra Rica Mountain Complex*. BLM.

Heil, K.D. & J.M. Porter. 1994. *Sclerocactus* (Cactaceae): A revision. *Haseltonia* 2:20-46.

Hind, D.J.N., C. Jeffrey, & G.V. Pope (eds.). 1995. *Advances in Compositae systematics*. Royal Botanic Gardens, Kew, Richmond, Surrey, UK. ISBN 0-947643-73-7.

Holmgren, N.H. 1994. Redefinition of *Dodecatheon dentatum* (Primulaceae) and rationale for use of varietal rank. [Reduction of *Dodecatheon ellisiae* to a variety of *D. dentatum*.]

Ivey, R.D. 1995. Flowering Plants of New Mexico. 3rd Edition. Published by the author, 9311 Headingly Ct., NE, Albuquerque, NM 87111. [An exceptional portfolio of line drawings of New Mexico plants; very nearly a "portable herbarium."]

Levine, C. 1995. A guide to wildflowers in winter: Herbaceous plants of northeastern North America. Yale University Press, Box 209040, New Haven, CT 06520. ISBN 0-300-06207-9. [Though a long ways from New Mexico, there should be numerous useful pages here.]

Mahrt, M. & J.R. Bacon. 1991. Inventory of listed species; Joint Task Force Six Operations; Luna, Dona Ana, and Hidalgo Counties, New Mexico. U.S. Army Corps of Engineers, Albuquerque, and Joint Task Force Six, Fort Bliss.

McClaran, M.P. & T.R. Van Devender (eds.). 1995. The Desert Grassland. University of Arizona Press, Tucson. ISBN 0-8165-1580-8. [Chapters on growth forms, history, landscape evolution, fire, invertebrates, vertebrates, human influence, & vegetation.]

McDonald, J.A. 1995. Revision of *Ipomoea* section *Leptocallis* (Convolvulaceae). *Harvard Papers in Botany* 6:97-122.

Nesom, G.L. 1995. Revision of *Chaptalia* (Asteraceae: Mutisieae) from North America and continental Central America. *Phytologia* 78:153-188. [*Chaptalia texana* Greene]

Pavlick, L. 1995. *Bromus* L. of North America. Royal British Columbia Museum.

Peterson, P.M., R.D. Webster, & J. Valdes-Reyna. 1995. Subtribal classification of the New World *Eragrostideae* (Poaceae: Chloridoideae). *Sida* 16(3):529-544.

Peterson, R. 1993. Plants of San Andres Canyon, Otero County, New Mexico. Distributed by the author (New Mexico Natural History Institute, 1750 Camino Corrales, Santa Fe, NM 87505).

Reeder, C.G. & J.R. Reeder. 1995. The resurrection of a species: *Muhlenbergia straminea* (Gramineae). *Phytologia* 78(6):417-427. [*Muhlenbergia straminea* A.S. Hitchc. replaces *M. virescens* (Kunth) Trinius in NM.]

Schuyler, A.E. 1974. Typification and application of the names *Scirpus americanus* Pers., *S. olneyi* Gray, and *S. pungens* Vahl. *Rhodora* 76(805):51-52. [Establishes synonymy of *S. olneyi* with *S. americanus*.]

Sivinski, R. 1995. A botanical inventory of Pecos National Historical Park, New Mexico. National Park Service, Southwest Regional Office, Box 728, Santa Fe, NM 87504. [Includes information on plant communities, endangered plants, management, and a species list.]

Smith, S.G. 1995. New combinations in North American *Schoenoplectus*,

Bolboschoenus, Isolepis, and Trichophorum (Cyperaceae). *Novon* 5:97-102. [Correct names for taxa segregated from *Scirpus sensu lato*.]

Snow, N. & G. Davidse. 1993. *Leptochloa mucronata* (Michx.) Kunth is the correct name for *Leptochloa filiformis* (Poaceae). *Taxon* 42(2):413-417.

Warnock, M.J. 1995. A taxonomic conspectus of North American *Delphinium*. *Phytologia* 78:73-101.

Weber, W.A. & R.C. Wittmann. 1992. *Catalog of the Colorado Flora: A Biodiversity Baseline*. University Press of Colorado. [Includes names, synonyms, & bibliography of vascular plants, mosses, hepatics, & lichens of Colorado.]

Welsh, S.L. 1995. North American types of *Oxytropis* DC. (Leguminosae) at the Natural History Museum and Royal Botanic Garden, England, with nomenclatural comments and a new variety. *Great Basin Naturalist* 55(3):271-281.

Welsh, S.L. & C. Crompton. 1995. Names and types in perennial *Atriplex* Linnaeus (Chenopodiaceae) in North America selectively exclusive of Mexico. *Great Basin Naturalist* 55(4):322-334.

Rare, Threatened, and Endangered Plants

Dunmire, W.W. 1991. T & E and sensitive plant survey, Ladron Mountain ACEC, Socorro Resource Area, Bureau of Land Management. BLM and Nature Conservancy.

Dunmire, W.W. 1991. T & E and sensitive plant survey, San Pedro ACEC, Socorro Resource Area, Bureau of Land Management. BLM and Nature Conservancy.

Dunmire, W.W. 1991. T & E sensitive plant survey, Sawtooth ACEC, Socorro Resource Area, Bureau of Land Management. BLM and Nature Conservancy.

Dunmire, W.W. 1991. T & E sensitive plant survey, Horse Mountain ACEC, Socorro Resource Area, Bureau of Land Management. BLM and Nature Conservancy.

Sivinski, R. 1994. Status report on *Astragalus kerrii*. U.S. Fish and Wildlife Service, 2105 Osuna NE, Albuquerque, NM 87113.

Spellenberg, R. 1979. A report on the survey for threatened and endangered plant species in Guadalupe Canyon and vicinity, Hidalgo Co., N.M. Heritage Program, New Mexico Department of Natural Resources. [*Sophora formosa*, *Vauquelinia pauciflora*]

Todsen, T.K. 1980. A report on the survey for rare plant species at the Bioresearch Ranch, central Peloncillo Mountains, Hidalgo County, New Mexico. New Mexico State Heritage Program, Department of Natural Resources. [Report of *Cheilanthes pringlei*]

Torell, L.A. & J.P. Townsend. 1995. The economic impact of protecting the Knowlton cactus (*Pediocactus knowltonii*) under the Endangered Species Act. New Mexico State University, Agr. Exp. Sta. RITF Rep. 40.

Miscellaneous, Agriculture, Ecology

Alderson, J. & W.C. Sharp. 1995. Grass varieties in the United States. U.S.D.A. & CRC Press, Boca Raton, FL.

Burke, H.R. & P.A. Fryxell. 1995. Naturalists and their travels in Mexico: Annotated bibliography and roster of natural history collectors. *Contr. Univ. Mich. Herb.* 20:37-128. [Though not dealing specifically with New Mexico, of great interest to southwestern naturalists.]

Clement, D. 1995. Why is taxonomy utilitarian? *J. Ethnobiol.* 15(1):1-44. [Discusses relation between taxonomic structure and uses of plants.]

Constance, L. 1995. Homage to Willis Linn Jepson. *Madrono* 42:96-102.

Cowardin, L.M. & F.C. Golet. 1995. US Fish and Wildlife Service 1979 wetland classification: A review. *Vegetatio* 118:139-152. [A review of the classification process, not of the wetlands themselves.]

Dodson, C. 1993. Botanists of the Mexican-United States boundary survey. *Huntia* 9(1):89-96.

Dunmire, W.W. & G.D. Tierney. 1995. Wild Plants of the Pueblo Province. [Available from William Dunmire, 12 Camino a las Estrellas, Placitas, NM 87043 for \$29.95 (cloth) or \$19.95 (paper) plus \$3.50 shipping.]

Grover, H.D. & H.B. Musick. 1990. Shrubland encroachment in southern New Mexico, U.S.A.: An analysis of desertification processes in the American southwest. *Climate Change* 17:305-330. [A nice review.]

Heiser, C.B. 1995. Edgar Anderson, botanist and curator of useful plants. *Ann. Missouri Bot. Gard.* 82:54-60. [An enchanting reminiscence of a wonderful botanist.]

The Nature Conservancy. 1993. A bibliography of references to the historical status of the flora and fauna of the southwest. The Nature Conservancy, New Mexico Field Office, Santa Fe.

Nilsson, K.B. 1994. A Wild Flower by Any Other Name. Sketches of Pioneer Naturalists Who Named Our Western Plants. Yosemite Association, P.O. Box 545, Yosemite National Park, CA 95389. ISBN 0-939666-76-6. [Includes portraits of botanists and the plants named in their honor.]

Journals, Newsletters, Etc.

Aridus. Bulletin of the Desert Legume Program of the Boyce Thompson Southwestern Arboretum and the University of Arizona. P.O. Box 3607, College Station, Tucson, Arizona 85722.

Compositae Newsletter. [Bertil Nordenstam, Dept. of Phanerogamic Botany, Box 50007, S-104 05 Stockholm, Sweden. Subscription gratis.]

Cyperaceae Newsletter. [P. Goetghebeur & D.A. Simpson, eds, Royal Botanic Gardens, Kew, Richmond, Surrey TW9 3AB, England. Subscription \$8 (cash only).]

Journal of the Southwest 37(2). 1995. [This entire issue is devoted to the Explorations on the Rio Mayo, in Sonora, Mexico, centered around the early work of Howard Scott Gentry. A must for Gentryophiles.]

The Kew Record of Taxonomic Literature. Royal Botanic Gardens, Kew. London: HMSO. [Reports of taxonomic literature of the world, organized by family, region, and discipline.]

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