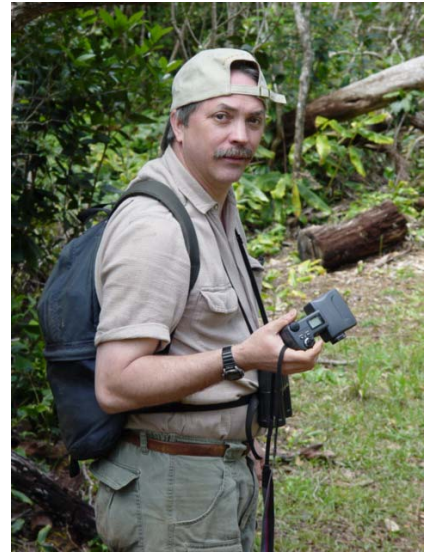


Warren Lambert Wagner

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Research focus:

Systematics, biogeography, and patterns of evolution of various angiosperm groups, especially plant diversity of Pacific oceanic islands and the evening primrose family (Onagraceae).

Morphological and molecular data are used to discover, describe, and interpret biological diversity, and create predictive classification systems, examine phylogenetic relationships and biogeographic patterns of lineages. Application of systematic and biogeographic information to address questions in population biology, conservation biology, and evolution, especially of breeding systems.

Personal:

Born, 8 February 1950, Las Cruces, New Mexico; married (Lucy Carol Julian), two children (Anthony Julian Wagner, 25 September 1995, and Eleanor Rose Wagner, 11 June 1997)

Current Position (beginning date):

- Chair, Department of Botany, National Museum of Natural History, Smithsonian Institution (October 2006 – September 2009; GS-15)
- Curator of Pacific Botany, Department of Botany, National Museum of Natural History, Smithsonian Institution (June 1991– ; GS-15)

Previous Positions:

- Chair (GM-15), Department of Botany, National Museum of Natural History, Smithsonian Institution, Washington, DC 20560 (September 1992- December 1997)
- Associate Curator of Pacific Botany (GS-12, GS-13, GS-14), Department of Botany, National Museum of Natural History, Smithsonian Institution, Washington, DC 20560 (July 1988- June 1991)
- Associate Botanist, Department of Botany, Bishop Museum, Honolulu, HI (1984–1988)
- Assistant Research Botanist, Bishop Museum, Honolulu, HI (1982-1984)
- Postdoctoral Associate, Missouri Botanical Garden, St. Louis, MO (1981-1982)
- Research Assistantship, University of New Mexico, Albuquerque, NM (1974-1977)
- Graduate Assistantship as Curatorial Assistant, Herbarium, University of New Mexico, Albuquerque, NM (1974-1976)

Education:

- Ph.D., Biology, Washington University, St. Louis, MO, December 1981 (Advisor: Peter H. Raven; Thesis title: A systematic and evolutionary study of the *Oenothera cespitosa* species

group, Onagraceae)

- M.S., Biology, University of New Mexico, Albuquerque, NM, August 1977 (Advisor: William Martin; Thesis title: Floristic affinities of the Animas Mountains, southwestern New Mexico)
- B.S., Biology, University of New Mexico, Albuquerque, NM, 1973

Awards and Scholarships:

- McBryde Chair (for 2004-ongoing) at the National Tropical Botanical Garden, with \$100,000 per year for research projects and pre- and post-doctoral fellows, an endowed position to enhance science programs at an isolated tropical botanical garden.
- Robert Allerton Award for 1995 from National Tropical Botanical Garden, a biennial award (medal and \$1,000) for excellence in the fields of tropical botany or horticulture.
- Engler Medal in Silver (for 1990 publication year) from the International Association for Plant Taxonomy, for *Manual of the flowering plants of Hawai`i*, 1993
- Henry Allan Gleason Award from the New York Botanical Garden for my contributions to the *Manual of the flowering plants of Hawai`i*, 1992
- Graduate Fellowship, Washington University, St. Louis, 1977-1981
- New Mexico Garden Club Scholarship, 1973
- New Mexico Iris Society Award, 1973

Professional Societies and professional appointments:

- American Society of Plant Taxonomists (ASPT)
- Botanical Society of America (BSA)
- International Association for Plant Taxonomy (IAPT)
- Willi Hennig Society (elected fellow)
- Washington Biologists' Field Club (WBFC; since 1992)
- Research Associate, Missouri Botanical Garden, St. Louis, MO (since 2006)
- Fellow, Linnean Society of London (since 2007)
- Adjunct Professor, Department of Botany, Duke University, Durham, NC (since 1992)
- Research Associate, National Tropical Botanical Garden, Lawai, HI (since 1990)
- Associate in Research, Department of Natural Sciences, Bishop Museum, Honolulu, HI (since 1988)
- Research Affiliate, Harold L. Lyon Arboretum, Honolulu, HI 96822 (1983-1988)

Service:

non-Smithsonian:

- Reserve Fund Manager, International Association for Plant Taxonomy, 2005 -
- Chair, Finance committee, American Society of Plant Taxonomists, 2002-
- Administrator of Finance, International Association for Plant Taxonomy, 2001- 2005
- Member, Constitution and Bylaws Committee, International Association for Plant Taxonomy, 2004- 2005
- Member, Council, International Association for Plant Taxonomy, 1999- 2001
- Treasurer, Washington Biologists' Field Club, 1997-

- Member, U. S. A. Board of Directors, International Association of Plant Taxonomists, 1996-
- Member, Systematic Botany Monographs, Editorial Committee, American Society of Plant Taxonomists, (4 yr term) 1995-1999
- Member, Board of Managers, Washington Biologists' Field Club, 1995-1997
- Member, Scientific Advisory Committee, Botanical Research Institute of Texas (Philippines flora), 1994-1995
- Member, Center for Plant Conservation, Science Advisory Council, 1993-
- Member, Editorial Committee, Allertonia, 1989-
- Member, Hawai`i Conservation Biology Initiative, Planning Committee, 1990-1992
- Member, Index to Plant Chromosome Numbers (IPCN), 1983-1995
- Member, Scientific Advisory Committee, National Tropical Botanical Garden, 1993-1994
- Editor, American Society of Plant Taxonomists, Newsletter, 1990-1992
- United States member, Scientific Committee for Biological Inventory of Taiwan Project, 1990-1992
- Chair, Bishop Museum Press Editorial Committee, 1985-1988
- Member, Plant Advisory Committee and Natural Community Advisory Group, Hawai`i Heritage Program, The Nature Conservancy, 1985-1988
- Chair, Occasional Papers Editorial Committee, Bishop Museum, 1984-1985

Smithsonian:

- Chair, Search Committee for Systematic Botanist, Department of Botany, National Museum of Natural History, 2004 - 2005
- Chair, Search Committee for two Systematic Botanists, Department of Botany, National Museum of Natural History, 2003 - 2004
- Chair, Selection Committee for Head of Botany, 2002
- Smithsonian Science Commission, September 2001- December 2002
- Alternate and then member, Professional Evaluation Accomplishment Committee (PAEC), National Museum of Natural History, January 1998-2001
- Member, Strategic Planning and Writing Committee, Department of Botany, National Museum of Natural History, 1998
- Chair, Collections Advisory Committee, Department of Botany, National Museum of Natural History, December 1997- 2004
- Member, Compactor Project Working group, Department of Botany, National Museum of Natural History, December 1997- 2004
- Chair, National Museum of Natural History task force for input on a National Biological Survey, 1993-1994
- Chair, Selection Committee for two Systematic Botanists, Department of Botany, National Museum of Natural History, January to November 1991
- Chair, Strategic Goals Committee, Department of Botany, National Museum of Natural History, 1990-1992
- Councilor, National Museum of Natural History Senate of Scientists, 1990-1992
- Seminar Coordinator, Department of Botany, National Museum of Natural History, 1988-1990

Field Experience:

- Hawaiian Islands (Kaua`i, O`ahu, Moloka`i, Kaho`olawe, Maui, and Hawai`i), beginning in 1982, ongoing
- Coahuila, Mexico (Rincon de Maria) September 1999 to collect a new species of *Oenothera* known from only a single collection; joined by Tom Wendt (organizer), Jim Hendrickson, David Riskind, Jose Angel Villarreal, and Miquel Carranza.
- Marquesas Islands, July and August, 1988
- Taiwan, September 1991 and March 1992
- Central and western United States, British Columbia, Canada, and Mexico as far south as San Luis Potosi and Durango, for study of *Oenothera* (Onagraceae) and limited general collecting, 1978-1982
- New Mexico, primarily floristic studies, especially the flora of Animas Mountains, southwestern New Mexico, and to assess the status of potentially threatened or endangered species, 1972-1977

Post-doctoral fellows:

- Elizabeth Harris, 1992-1993, currently at Ohio State University, Columbus, Ohio
- Chrissen E.C. Gemmill, 1996-1997, currently an Assistant Professor, Department of Biological Sciences University of Waikato, Hamilton, New Zealand
- Molly Nepokroeff, 1998-2000, currently Assistant Professor, Department of Biology, University of South Dakota, Vermillion, South Dakota
- Gerard J. Allan, 1998-1999, Research Scientist, Northern Arizona University, Flagstaff, Arizona
- Rachel A. Levin, 2001- 2004, currently Research Associate at Amherst College, Amherst, Massachusetts
- Jonathan P. Price, 2002- 2004, currently Assistant Professor, University of Hawaii, Hilo, Hawaii

Current and Pending Grants:

- Botanical inventory of the Marquesas Islands, for four years, submitted to NSF in 2001, privately funded in 2002 (\$350,000).

Previous Grants and Contracts:

- Pacific Basin vascular plant checklist, USDA Natural Resources Conservation Service, 1999-2005 (\$32,000).
- Phylogeny of subfamily Alsinioideae (Caryophyllaceae) and the origin of a divergent Hawaiian lineage, Smithsonian Institution Scholarly Studies grant, P. I. (with M. Nepokroeff, E. Zimmer, S. Weller, and A. Sakai, Co-P.I.'s), for two years beginning November 1999, but extended. (\$68,000); extended into 2005.
- Evolution and historical biogeography of Onagraceae tribe Onagreae, a major lineage derived from the Madro-Tertiary flora, Smithsonian Institution Andrew W. Mellon Fellowships in Structure and Evolution of Terrestrial Ecosystems (with J. Crisci, P. Hoch, L. Katinas, R. Levin, R. Raguso, K. Sytsma & E. Zimmer), for two year beginning January 2001 (\$87,600).
- Field Studies of *Melicope* (Rutaceae) In the Hawaiian Islands, NMNH Biodiversity and Inventories Program, for one year beginning January 2000 (\$5,437).
- Reprinting of *Manual of the flowering plants of Hawai`i*, Smithsonian Institution Atherton Seidell grant, for January to May 1998, completed in May 1999. (\$15,500)

- Phylogenetic relationships and breeding system evolution of insular Pacific *Pittosporum* (Pittosporaceae), Smithsonian Institution Scholarly Studies grant, Co-P.I.(Elizabeth Zimmer, P.I. and Crissen Gimmell, Post-Doctoral Fellow), for two years beginning 1997 (\$69,000).
- Interspecific hybridization and evolution on the Hawaiian Islands: *Cyrtandra* (Gesneriaceae) as a model of species radiation, National Geographic Society, Co-P.I. with P.I. J. Smith and Co-P.I. M. Kiehn.
- Vascular plant database of Micronesia, NMNH Research Initiative (Biodiversity), originally awarded in FY95, but deferred because of scheduling problem until FY96, 1996 (\$16,000)
- Book-signing for *Hawaiian biogeography: Evolution on a hot spot archipelago* and research on Hawaiian flowering plant nomenclature at Bishop Museum, Research Opportunity Fund, Smithsonian Institution, 1995. (\$1300)
- National Science Foundation (NSF, DEB-9214264), Symposium on phylogeny and biogeography of Hawaiian terrestrial biota; Honolulu, HI, August 1992 AIBS (with V. A. Funk), for two years beginning 15 July 1992. (\$14,700)
- Studies of Hawaiian *Schiedea* in the Hawaiian Islands, Research Opportunities Fund, Smithsonian Institution, 1992
- Studies of Hawaiian and Marquesan plants at Bishop Museum and National Tropical Botanical Garden, Research Opportunities Fund, Smithsonian Institution, 1991
- Symposium on phylogeny and biogeography of Hawaiian terrestrial biota; Honolulu, HI, August 1992 AIBS, American Society of Plant Taxonomists, 1992, with V. A. Funk (\$750).
- Biogeography symposium, and studies of *Schiedea* and *Cyrtandra* in the Hawaiian Islands, Research Opportunities Fund, Smithsonian Institution, 1992 (\$1620).
- Studies of *Schiedea* on Moloka`i, herbarium study at Bishop Museum, and collaboration with David Lorence at National Tropical Garden, Research Opportunities Fund, Smithsonian Institution, 1992 (\$1070).
- Marquesan vascular plant specimen database and Hawaiian nomenclatural database work at the Bishop Museum, Research Opportunities Fund, Smithsonian Institution, 1992 (\$1700)
- Evolution Society meetings to present "Phytogeographical patterns in Hawaiian angiosperms," herbarium studies of Hawaiian and Marquesan plants at Bishop Museum and National Tropical Botanical Garden, and field work on Kaua`i, Maui, and O`ahu, Research Opportunities Fund, Smithsonian Institution, 1991 (\$3900).
- Botanical inventory of Taiwan, National Geographic Society, 1991, Robbin C. Moran P.I. with four Co-P.I.'s (\$27,000).
- Studies of Hawaiian *Cyrtandra* (Gesneriaceae), and establishment of photographic protocol for a *Photographic field guide to Hawaiian pteridophytes*, Research Opportunities Fund, Smithsonian Institution, 1990
- A multi-disciplinary reconstruction of the evolutionary history for the Hawaiian endemic genera *Schiedea* and *Alsinidendron* (Caryophyllaceae: Alsinoideae), Smithsonian Institution Scholarly Studies grant, P. I. (with S. Weller, A. Sakai, D. Soltis, and P. Soltis, Co-P.I.'s), for two years beginning 1990. (\$64,633)
- NSF (BSR-8821003), Publication of the *Manual of the flowering plants of Hawai`i*, to University of Hawaii Press, Co-P. I. (with I. Wiley), one year beginning July 1989
- Evaluation of the flora of the Marquesas Islands preliminary to a *Flora of the Marquesas Islands*, Research Opportunities Fund, Smithsonian Institution, 1988

- NSF (BSR-8615417), Completion of *Manual of the flowering plants of Hawai`i*, to Bishop Museum, Co-P. I. (with S. H. Sohmer), 1987-1989
- Biological reconnaissance and environmental impact assessment of HECO/HELCO proposed cross-Hawai`i Island 138 kv transmission line: Botanical, Entomological and Malacological report, contract with EDAW, Inc. (with several collaborators at Bishop Museum), 1983
- Floristic survey of proposed geothermal power line, Jemez Mountains, New Mexico, contract with Public Service Company of New Mexico, 1978
- Status evaluation of New Mexico proposed endangered plant species, contract with U.S. Fish and Wildlife Service (with D. Sabo), 1977
- Status of *Pediocactus papyranchanthus* (Cactaceae) on west slope of Sandia Mountains, New Mexico, contract with Albuquerque Transportation Department (with D. Sabo), 1977
- Studies of endangered and threatened plant species on the Federal Register, contract with U.S. Forest Service (Range Management) (with W. Martin), 1976
- Floristic inventory and vegetational assessment of Mobil and Navajo properties, McKinley County, New Mexico, contract with Tennessee Valley Authority (with W. Martin), 1976
- Illustrated manual of the New Mexico species of *Atriplex*, funded by U.S. Forest Service (SEAM), 1976
- Threatened and endangered plant species of Rio Puerco Grazing District, contract with the Bureau of Land Management (with several collaborators at University of New Mexico), 1975
- Natural succession of strip-mined lands in northwestern New Mexico, funded by U.S. Forest Service (SEAM) (with W. Martin and E. Aldon), 1975
- Biological survey of Kirtland Air Force Base (Sandia Labs), contract with U.S. Air Force (with W. Martin), 1974

Research Presentations at Meetings (see also “Published Abstracts” for additional presentations):

- Society for the Study of Evolution meetings 1994, Atlanta GA -- Biogeographic patterns in the Hawaiian biota (presented by V. A. Funk)
- American Institute of Biological Sciences 1992 annual meetings, Honolulu HI -- Introduction to the symposium entitled “Patterns of speciation and biogeography of Hawaiian terrestrial biota”
- American Institute of Biological Sciences 1992 annual meetings, Honolulu HI -- Summary and conclusions of all presentations to the symposium entitled “Patterns of speciation and biogeography of Hawaiian terrestrial biota”
- Society for the Study of Evolution meetings 1991, Hilo, HI -- Patterns of speciation in some endemic Hawaiian angiosperms (presented by V. A. Funk)
- Gesneriaceae workshop, Montréal, Canada, 1990 -- Overview of Hawaiian *Cyrtandra*.
- American Association for the Advancement of Science (AAAS), Tucson, 1976 -- Floristic affinities of the Animas Mountains, southwestern New Mexico
- Canadian Land Reclamation Association, Guelph, Canada, 1976 -- Natural succession on strip-mined lands in northwestern New Mexico
- AAAS, Los Alamos, 1975 -- Natural Succession on the McKinley Coal Mine, northwestern New Mexico

Invited Papers and Lectures (without published abstracts):

- Smithsonian Institution, National Museum of Natural History, Botanical Symposium, April 2006 – Out of Hawaii: A remote archipelago as a source area
- Washington State University, School of Biological Sciences, April 2006 – The surprising fate of Hawaiian plant lineages
- University of Hawaii, Biology Department, February 2005 – Colonization and diversification on a hot spot archipelago
- Native Plant Society of Kaua`i, Lihue, Hawaii, November 2004 – Understanding extinction in Hawaii
- National Tropical Botanical Garden, Kalaheo, Hawaii, October 2004 – Evolution on an hotspot archipelago
- National Tropical Botanical Garden, Kalaheo, Hawaii, September 2004 – The surprising fate of Hawaiian lineages
- Electronic Encyclopedia of life: a botanical perspective, February 2004
- United States Botanic Garden, October 2003 -- Understanding extinction in Hawaii
- Botany Curator Lecture, 2002 -- Onagraceae
- Botanical Society of Washington, May 2001 -- New insights on the origin of endemic Hawaiian plant lineages and their classification
- Botanical Society of Washington, September 1995 -- Hawaiian biogeography: Evolution on a hot spot archipelago
- National Tropical Botanical garden, August 1995 -- Hawaiian biogeography: Evolution on a hot spot archipelago (lecture and book signing)
- Smithsonian Institution, Resident Associates Program, April 1994 -- presenter in: Hawaiian archipelago: New perspectives in paradise (full day symposium)
- National Tropical Botanical Garden, June 1994 -- Biogeography of Hawaiian flowering plants
- Smithsonian Institution, National Associates Program, August 1993 -- co-director of Hawai`i: Dynamics of the “Big Island” seminar (five day field seminar)
- Academia Sinica, Taiwan, March 1992, ROC-USA symposium on “Phytogeography and botanical inventory of Taiwan” -- Phytogeographical patterns in Hawaiian angiosperms
- Duke University, Department of Botany, 1992 -- Patterns of speciation in Hawaiian angiosperms
- Society for the Study of Evolution (SSE) symposium entitled “Plant migrations across the Pacific”, July 1991 -- Phytogeographical patterns in Hawaiian angiosperms
- Society for the Study of Evolution (SSE) symposium entitled “Ecology, evolution and conservation biology of endemic Hawaiian species”, July 1991 -- Geographical and ecological correlates of breeding systems of the Hawaiian flora (with Ann Sakai, Diane Ferguson and Derral Herbst; presented by Sakai)
- National Museum of Natural History (NMNH) Intern Program, July 1990 -- Colonization and evolution of the Hawaiian flora
- International Congress of Systematic and Evolutionary Biologists (ICSEB-IV) symposium entitled “Evolution in island archipelagoes: The emerging picture”, July 1990 -- Evolution of waif floras: a comparison of the Hawaiian and Marquesan archipelagoes
- Bishop Museum, June 1990 -- The Hawaiian Flora Project (book signing for *Manual of the flowering plants of Hawai`i*)

- NMNH, Friday Film and Lecture Series, May 1990 and RAP morning program, July 1990 -- The Hawaiian flora
- Smithsonian Institution, National Museum of Natural History (NMNH), 1987 -- Systematics, evolution, and hybridization in Hawaiian *Cyrtandra*
- Seminar at Natural History Museum, Los Angeles County, 1987 -- Discovery of widespread hybridization in Hawaiian *Cyrtandra*: Implications on taxonomy and hypothesis of evolution
- Symposium on control of introduced plants in Hawai`i's native ecosystems, Hawaii Volcanoes National Park, Volcano, 1986 -- Alien plants of the Northwestern Hawaiian Islands (with D. R. Herbst)
- Symposium on Hawai`i's terrestrial ecosystems: Protection and management, Hawaii Volcanoes National Park, Volcano, 1984 -- Status of the native flowering plants of the Hawaiian Islands (with D. R. Herbst and R. S. N. Yee)

PUBLICATIONS

(Total: 188; Web sites: 4; Books: 4; Research papers: 138; Published abstracts: 35; Posters: 7)

Web sites

1. Wagner, W. L., D. R. Herbst, and D. D. Palmer. 2001-. Flora of the Hawaiian Islands website. <http://rathbun.si.edu/botany/pacificislandbiodiversity/hawaiianflora/index.htm>
2. Wagner, W. L., D. R. Herbst, and D. H. Lorence. 2005-. Flora of the Hawaiian Islands website. <http://rathbun.si.edu/botany/pacificislandbiodiversity/hawaiianflora/index.htm> [revised version of #1]
3. Wagner, W. L. and D. H. Lorence. 2002-. Flora of the Marquesas Islands website. <http://rathbun.si.edu/botany/pacificislandbiodiversity/marquesasflora/index.htm>
4. Wagner, W. L. and P. C. Hoch. 2005-. Onagraceae, the Evening Primrose Family website. <http://ravenel.si.edu/botany/onagraceae/index.htm>

Books

1. Mill, S. W., D. P. Gowing, D. R. Herbst, and W. L. Wagner. 1988. *Indexed bibliography on the flowering plants of Hawai`i*. University of Hawaii Press and Bishop Museum Press, 214 pp.
2. Wagner, W. L., D. R. Herbst, and S. H. Sohmer. 1990. *Manual of the flowering plants of Hawai`i*. University of Hawaii Press and Bishop Museum Press, 1853 pp. in 2 volumes. (Bishop Museum Special Publication 83).
3. Wagner, W. L. and V. A. Funk (eds.). 1995. *Hawaiian biogeography: Evolution on a hot spot archipelago*. Smithsonian Institution Press, Washington, DC, 467 pp.
4. Wagner, W. L., D. R. Herbst, and S. H. Sohmer. 1999. *Manual of the flowering plants of Hawai`i, revised edition* with supplement by Wagner, W. L. and D. R. Herbst, pp.

1855-1918. University of Hawaii Press, 1919 pp. in 2 volumes. (Bishop Museum Special Publication 97).

Research Papers

1. Martin, W. C. and W. L. Wagner. 1974. Biological Survey of Kirtland Air Force Base (East). Atomic Energy Commission, Sand. 74-0393.
2. Wagner, W. L. and E. Aldon. 1978. Manual of the Saltbushes (*Atriplex*) in New Mexico. Gen. Tech. Rep. RM-57, Rocky Mt. For. Range Exp. Stn., Fort Collins, CO.
3. Wagner, W. L., W. C. Martin, and E. Aldon. 1978. Natural succession on strip-mined lands in northwestern New Mexico. Rec. Rev. 1: 67-73.
4. Wagner, W. L. 1979. Hitch-hiker from the West. Missouriensis 1: 9-10.
5. Zimmermann, M. and W. L. Wagner. 1979. A description of the woody vegetation of oak-hickory forest in the northern Ozark Highlands. Bull. Torrey Bot. Club 106: 117-122.
6. Wagner, W. L. 1979. New records to the Animas Mountains flora, New Mexico. Southw. Naturalist 24: 291-296.
7. Wagner, W. L. 1980. Our "Missouri" primrose, now properly *Oenothera macrocarpa* Nutt. Missouriensis 2: 14-17.
8. Marley, G. and W. L. Wagner. 1981. Noteworthy collections of *Erigeron campactus* var. *consimilis*, *Tetradymia spinosa*, *Chorispora tenella*, *Diploaxis muralis*, *Malcolmia africana*, *Sclerocactus mesae-verdae*, *Astragalus monumentalis*, *Salvia microphylla* var. *wislizeni*, *Bromus diandrus*, *Ranunculus testiculatus*, and *Cerocarpus intricatus*. Madroño 28: 41-43.
9. Wagner, W. L. 1981. *Oenothera acutissima* (Onagraceae), a new species from northwestern Colorado and adjacent Utah. Syst. Bot. 6: 153-158.

Ph.D. Dec. 1981

10. Wagner, W. L. 1982. *Oenothera*: in Nasir, E., and S. Ali (eds.), Flora of West Pakistan 139: 37-43.
11. Hoch, P. and W. L. Wagner. 1982. Wonder drug from a common weed. Bull. Missouri Bot. Gard. 70: 7.
12. Wagner, W. L. 1982. Wonder drug from a common Missouri weed. Missouriensis 4: 23-25.
13. Wagner, W. L. 1983. Noteworthy collections from New Mexico. Madroño 30: 126.

14. Wagner, W. L. 1983. New species and combinations in the genus *Oenothera* (Onagraceae). *Ann. Missouri Bot. Gard.* 70: 194-196.
15. Wagner, W. L. 1983. Caryophyllaceae. *Silene plankii*: in Love, A., IOPB chromosome number reports LXXXI. *Taxon* 32: 664.
16. Fletcher, R. and W. L. Wagner. 1984. A new subspecies of *Ipomopsis longiflora* (Polemoniaceae) from Arizona, New Mexico and northern Mexico. *Madroño* 31: 20-23.
17. Wagner, W. L. and S. W. Mill. 1984. *Oenothera kleinii* (Onagraceae), a new species from southcentral Colorado. *Syst. Bot.* 9: 50-52.
18. Wagner, W. L. and P. Goldblatt. 1985. A survey of seed surface morphology in *Hesperantha* (Iridaceae). *Ann. Missouri Bot. Gard.* 71: 181-190.
19. Dietrich, W., P. H. Raven, and W. L. Wagner. 1985. Revision of *Oenothera* sect. *Oenothera* subsect. *Emersonia* (Onagraceae). *Syst. Bot.* 10: 29-48.
20. Wagner, W. L., R. Stockhouse, and W. M. Klein. 1985. A systematic and evolutionary study of the *Oenothera caespitosa* species complex (Onagraceae). *Monogr. Syst. Bot.*, Missouri Bot. Gard. 12: 1-103.
21. Wagner, W. L. 1984 [1985]. Reconsideration of *Oenothera* subg. *Gauropsis* (Onagraceae). *Ann. Missouri Bot. Gard.* 71: 1114-1127.
22. Mill, S. W., W. L. Wagner, and D. R. Herbst. 1985. Bibliography of Otto and Isa Degeners' Hawaiian floras. *Taxon* 34: 229-259.
23. Wagner, W. L., D. R. Herbst, and R. S. Yee. 1985. Status of the native flowering plants of the Hawaiian Islands: in Stone, C. P., and J. M. Scott (eds.), *Hawai'i's terrestrial ecosystems: Protection and management*. Cooperative National Park Resources Studies Unit, University of Hawaii, Honolulu, pp. 23-74.
24. Wagner, W. L. and W. C. Gagné. 1986. Hawai'i's native biota: Trouble in "paradise." *Public Gard.* 1: 6-8.
25. Wagner, W. L., D. R. Herbst, and S. H. Sohmer. 1986. Contributions to the flora of Hawai'i I. Acanthaceae to Asteraceae. *Bishop Mus. Occas. Pap.* 26: 102-122.
26. Wagner, W. L. 1986. New taxa in *Oenothera* (Onagraceae). *Ann. Missouri Bot. Gard.* 73: 475-480.
27. Tobe, H., W. L. Wagner, and H.-C. Chin. 1987. Systematic and evolutionary studies of *Oenothera* (Onagraceae): Seed-coat anatomy. *Bot. Gaz. (Crawfordsville)* 148: 235-257.

28. Praglowski, J., J. Nowicke, P. Raven, J. Skvarla, and W. L. Wagner; taxonomy by P. Raven and W. L. Wagner. 1987. Onagraceae Juss.: Onagreae R. Raimann pro parte. *World Pollen and Spore Flora* 15: 1-55.
29. Averett, J. E., S. Huang, and W. L. Wagner. 1987. Flavonoid analysis of *Oenothera speciosa* (Onagraceae). *Southw. Naturalist*. 32: 117-120.
30. Dietrich, W. and W. L. Wagner. 1987. New taxa of *Oenothera* L. sect. *Oenothera* (Onagraceae). *Ann. Missouri Bot. Gard.* 74: 144-150.
31. Dietrich, W. and W. L. Wagner. 1987. A new combination and new subspecies in *Oenothera elata* Kunth (Onagraceae). *Ann. Missouri Bot. Gard.* 74: 151-152.
32. Wagner, W. L. and D. R. Herbst. 1987. A new species of *Remya* (Asteraceae) from Kaua'i and a review of the genus. *Syst. Bot.* 12: 601-608.
33. Wagner, W. L. 1988. Reevaluation of *Chamaesyce forbesii* (Euphorbiaceae). *Bishop Mus. Occas. Pap.* 28: 71-78.
34. Dietrich, W. and W. L. Wagner. 1988. Systematics of *Oenothera* section *Oenothera* subsection *Raimannia* and subsection *Nutantigemma* (Onagraceae). *Syst. Bot. Monogr.* 24: 1-91.
35. Averett, J. E., S. Huang, and W. L. Wagner. 1988. Flavonoid survey of *Oenothera* (Onagraceae): Sects. *Gauropsis*, *Hartmannia*, *Kneiffia*, *Paradoxus* and *Xylopleurum*. *Amer. J. Bot.* 75: 476-483.
36. Lorence, D. H., W. L. Wagner, and D. R. Herbst. 1989. Plant taxonomy in the Hawaiian Islands: in Stone, C. P. and D. B. Stone (eds.), *Conservation biology in Hawai'i*. Cooperative National Park Resources Studies Unit, University of Hawaii, Honolulu, pp. 43-47.
37. Frame, D., W. L. Wagner, D. R. Herbst, and S. H. Sohmer. 1989. Hawaiian Islands: in Campbell, D. and H. D. Hammond (eds.), *Floristic inventory of tropical countries*, pp. 181-186. New York Botanical Garden.
38. Wagner, W. L., D. R. Herbst, and S. H. Sohmer. 1989. Contributions to the flora of Hawai'i II. Begoniaceae-Violaceae and the Monocotyledons. *Bishop Mus. Occas. Pap.* 29: 88-130.
39. Imada, C. T., W. L. Wagner, and D. R. Herbst. 1989. Checklist of native and naturalized flowering plants of Hawai'i. *Bishop Mus. Occas. Pap.* 29: 31-87.
40. Weller, S. G., A. K. Sakai, W. L. Wagner, and D. R. Herbst. 1990. Evolution of dioecy in *Schiedea* (Carophyllaceae: Alsinoideae) in the Hawaiian Islands: biogeographical and

- ecological factors. *Syst. Bot.* 15: 266-276.
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31. **Wagner, W. L.** 2005. It is not just a flora anymore. XVII International Botanical Congress-- Abstracts, 5.6.1, p. 83.
32. **Nepokroeff, M.**, L. Wallace, W. L. Wagner, S. G. Weller, and A. K. Sakai. 2005.

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34. **Hoch, P. C.** and W. L. Wagner. 2006. Toward a new classification for Onagraceae. Botany 2006 Program. p. 226 [online id 689].
35. **Wallace, L.,** S. G. Weller, A. K. Sakai, W. L. Wagner, and M. Nepokroeff. 2006. Merging distinct histories from different genes to tell a story: Phylogeography of *Schiedea globosa* (Caryophyllaceae) on the Hawaiian Islands. Botany 2006 Program p. 370 [online id 214].
36. **Wagner, W. L.** and P. C. Hoch. 2007. Revised classification of the evening primrose family (Onagraceae) [online id 2324].
37. **Carlquist, S., C. L. Ferguson, D. M. Spooner, and W. L. Wagner.** 2007. Occupations in the plant sciences: Asking the right questions, finding the right answers and sharing life experiences. **Note:** Lunch discussion where we discussed questions on career options, the problems associated with making the "right choice" , and ways to simplify the decision-making process. In response to student requests, we will have a panel of botanists representing (1) botanic garden/museum research positions; (2) applied botany positions; and (3) academic positions. Ca. 200 participants [online id 2658].
38. **Baldwin, B. G.** and W. L. Wagner. 2007. Sherwin Carlquist's principals of dispersal and evolution revisited. [online id 1451].

Posters

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3. Nepokroeff, M., W. L. Wagner, S. G. Weller, A. K. Sakai, and E. A. Zimmer. 2003. Is evolution of floral dimorphism correlated with habitat shifts in Hawaiian *Schiedea*? The Society for the Study of Evolution 2003 meeting, Chico, CA
4. Lorence, D. H. and W. L. Wagner. 2005. Vascular flora of the Marquesas Islands. XVII International Botanical Congress-Abstracts P0713, p. 352.
5. Dempewolf, H. T. J. Motley, D. H. Lorence and W. L. Wagner. 2005. Biogeographic

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