



## SBBG Research Publications, 1940-present

The following bibliography includes publications of the staff and Research Associates of the Santa Barbara Botanic Garden as well as publications that were directly facilitated by the Garden.

Last updated August 2020

### 2020:

#### Journal Articles (peer reviewed):

- Guilliams, C.M., K. Hasenstab-Lehman,** and B.G. Baldwin. 2020. Nomenclatural changes in western North American Amsinckiinae (Boraginaceae). *Novon* 28:51-59.
- Huang, Y., G. Morrison, A. Brelsford, J. Franklin, D.D. Jolles, J. Keeley, V.T. Parker, N. Saavedra, A. Sanders, T.R. Stoughton, **G.A. Wahlert,** and A. Litt. 2020. Subspecies differentiation in an enigmatic chaparral shrub species. *American Journal of Botany* 107(6): 1–18.
- Shear, W.A., **Richart, C.H.,** & Wong, V.L. (2020). The millipede family Conotylidae in northwestern North America, with a complete bibliography of the family (Diplopoda, Chordeumatida, Heterochordeumatidea, Conotyloidea). *Zootaxa*, 4753(1), 1–78. <https://doi.org/10.11646/zootaxa.4753.1.1>
- Uyeda, K.A., Stow, D.A., & **Richart, C.H.** 2020. Assessment of volunteered geographic information for vegetation mapping. *Environmental Monitoring & Assessment* 192:554.

#### Technical Reports and non-peer reviewed articles

- Guilliams, C.M. & Hasenstab-Lehman, K.** 2020. Naval Base Ventura County, San Nicolas Island Terrestrial Flora Program Draft Final Report: Developing Botanical Resources for U.S. Navy California Channel Islands: Specimen Processing and Imaging, and a Checklist for San Nicolas Island. Cooperative Agreement N62473-17-2-0005. Santa Barbara Botanic Garden, Santa Barbara, California. 61 pages.
- Guilliams, C.M. and Hasenstab-Lehman, K.** 2020. Checklist of the vascular flora of San Nicolas

Island, California, Version 1. Originally published online May 1, 2020, updated continually thereafter. [www.cch2.org](http://www.cch2.org)

**Knapp, D.A.** 2020. Naval Base Ventura County, San Nicolas Island Terrestrial Flora Program Draft Final Report: *Mesembryanthemum crystallinum* experiment 2019 field monitoring. Cooperative Agreement N62473-17-2-0005. Santa Barbara Botanic Garden, Santa Barbara, California. 17 pages.

**Knapp, D.A.** 2020. Naval Base Ventura County, San Nicolas Island Terrestrial Flora Program Draft Final Report: Grey literature databasing. Cooperative Agreement N62473-17-2-0005. Santa Barbara Botanic Garden, Santa Barbara, California. 15 pages.

## **2019:**

### **Books and Book Chapters:**

**Gill, K.M.,** M. Fauvelle, and J.M. Erlandson, eds. 2019. An archaeology of abundance: Reevaluating the marginality of California's islands. University Press of Florida, Gainesville, FL. 326 pages.

**Gill, K.M.,** J.M. Erlandson, K. Niessen, K. Hoppa, and D. Merrick. 2019. Where carbohydrates were key: Reassessing the marginality of terrestrial plant resources on California's islands. Pages 98-134 in: Gill, K.M., M. Fauvelle, and J.M. Erlandson, eds. An archaeology of abundance: Reevaluating the marginality of California's islands. University Press of Florida, Gainesville, FL.

Schlising, R., E. Gottschalk Fisher, **C.M. Guilliams,** and B. Castro eds. 2019. Vernal Pool Landscapes: Past, Present, and Future. Studies from the Herbarium, Number 20, California State University, Chico.

### **Journal Articles (peer reviewed):**

Escudero, N., J. Gasca-Pineda, R. Bello, **C.M. Guilliams,** and M.C. Arteaga 2019. Genetic and phenotypic diversity of *Branchinecta sandiegonensis* in the vernal pools of Baja California, México. Zootaxa 4646(1): 145-163.

**Guilliams, C.M.** 2019. Reconsidering northern and southern taxa of island mallow (*Malva assurgentiflora*, Malvaceae) and their conservation status on the California Channel Islands. Phytoneuron, 2019-43: 1-13.

Kofron, C.P., C. Rutherford, L.E. Andreano, M.J. Walgren and **H.E. Schneider.** 2019. Status of the endangered Indian Knob mountainbalm *Eriodictyon altissimum* (Namaceae) in central coastal California. Bulletin of the Southern California Academy of Sciences 118: 21-41.

- Reese Næsborg, R.**, Peterson, E.B., Tibell, L. 2019. *Chaenotheca longispora* (Coniocybaceae), a new lichen from coast redwood trees in California, U.S.A. *The Bryologist* 122: 31–37.
- Richart, C. H.**, Chichester, L.F., Boyer, B., & Pearce, T.A. 2019. Rediscovery of the southern California endemic American Keeled Slug *Anadenulus cockerelli* (Hemphill, 1890) after a 68-year hiatus. *Journal of Natural History*, 53: 1515–1531.
- Simpson, M.G., M.E. Mabry, and **K. Hasenstab-Lehman**. 2019. Transfer of six species of *Cryptantha* to the genus *Johnstonella* (Boraginaceae). *Phytotaxa* 425:279–289.
- Wilken, D.** 2019. Reassessment and circumscription of *Ipomopsis multiflora* and *Ipomopsis polyantha* (Polemoniaceae). *Madroño* 66: 87-91.
- Yost, J.M. and 42 other authors, including **Wahlert, G.** 2019. The California Phenology Collections Network: Using digital images to investigate phenological change in a biodiversity hotspot. *Madroño* 66: 130–141.

#### Symposium Proceedings:

- Knapp, D.A.**, J.J. Knapp, K.A. Stahlheber, and T. Dudley. 2019. A little goes a long way when controlling invasive plants for biodiversity conservation. Pp. 643-650 In: C.R. Veitch, M.N. Clout, A.R. Martin, J.C. Russell, and C.J. West (eds.). *Island invasives: Scaling up to meet the challenge*. Occasional Paper SSC no. 62, Gland, Switzerland: IUCN.

#### Technical Reports and non-peer reviewed articles

- Guilliams, C.M.**, **K. Hasenstab-Lehman**, **A.J. Searcy**. Winter 2019/2020. Community scientists use iNaturalist to map the distribution of a weed on-the-move: *Urospermum picroides* (Asteraceae). *Dispatch, Cal-IPC Newsletter* 27(3): 4-5.
- Knapp, D.** and **S. Calloway**. 2019. Illuminating botanical blackholes to inform habitat restoration in the Zaca and Jesusita fire scars. Unpublished final report prepared for the National Fish and Wildlife Foundation by the Santa Barbara Botanic Garden. Santa Barbara, California.
- Hasenstab-Lehman, K.E.** and **C.M. Guilliams**. 2019. Draft report on the conservation genetics of beach spectaclepod (*Dithyrea maritima* (Davison) Davison; Brassicaceae). Unpublished report submitted to the California Department of Fish and Wildlife.
- Schneider, H.E.** and **S.A. Carson**. 2019. Lompoc yerba santa (*Eriodictyon capitatum*) germination study - Final Project Report 2019. Unpublished Report, Santa Barbara Botanic Garden, Santa Barbara, CA. 13 pp.

**Schneider, H.E. and S.A. Carson.** 2019. Santa Cruz Island Dudleya (*Dudleya nesiotica*) Survey - Final Project Report 2019. Unpublished Report, Santa Barbara Botanic Garden, Santa Barbara, CA. 16 pp.

**Schneider, H.E.** 2019. Rare plant survey and data management – project final report. Unpublished Report, Santa Barbara Botanic Garden, Santa Barbara, CA. 17 pp.

## **2018:**

### **Books and Book Chapters:**

Maschinski, J., C. Walters, E. Guerrant, S. Murray, M. Kunz, **H. Schneider**, J. Affolter, T Gurnoe, N. Fraga, K. Havens, P. Vitt, K.D. Heineman and C. Horn. 2018. Collecting seeds from wild plant populations. Pages 1-10 – 1-23 *In* CPC Best plant conservation practices to support species survival in the wild. Center for Plant Conservation, San Diego, CA.

### **Journal Articles (peer reviewed):**

**Carlquist, S.** 2018. Living cells in wood 3. Overview; Functional anatomy of the parenchyma network. *Botanical Review* 84: 242-294.

**Carlquist, S.** 2018. Wood anatomy of Atherospermataceae and allies: Strategies of wood evolution in basal Angiosperms. *Allertonia* 17: 1-52.

**Carlquist, S.** and P.H. Raven. 2018. Vestured pits in wood of Onagraceae: Correlations with ecology, habit, and phylogeny. *Annals of the Missouri Botanical Garden* 103(3): 443-461.

**Carlquist, S.** 2018. “Primitive” wood characters are adaptive: Examples from Paracryphiaceae. *Aliso* 36: 1-20.

Carter, B.E., W.F. Hoyer, III, J. Dunn, **S. Junak**, and **C.M. Guilliams** 2018. New additions to the flora of San Nicolas Island, Ventura County, California. *Aliso* 36: 1-6.

Carter, B.E. and **C.M. Guilliams** 2018. Biogeographic patterns among seed-bearing and spore-bearing plants across the California Channel Islands. *Western North American Naturalist* 78(4): 699-710.

Hoyer, W.III, J. Knapp, **D. Knapp**, D. Mazurkiewicz, K. Owen, L. Luna-Mendoza, and K. McEachern. 2018. Islands of the Californias Botanical Collaborative. *Western North American Naturalist* 78(4): 902-909.

Mack, J.S., **H.E. Schneider**, and K.H. Berry. 2018. Crowding affects health, growth, and behavior in headstart pens for Agassiz’s desert tortoise. *Chelonian Conservation and Biology* 17: 14-26.

Randall, J.R., K.McEachern, J. Knapp, P. Power, S. Junak, **K. Gill**, **D. Knapp**, and **M. Guilliams**. 2018. Informing our successors: What botanical information for Santa Cruz Island will

researchers and conservation managers in the century ahead need the most? *Western North American Naturalist* 78(4): 888-901.

Rick, T.C., T.J. Braje, J.M. Erlandson, **K.M. Gill**, L. Kirn, and L. McLaren-Dewey. 2018. Horizon scanning: Survey and research priorities for cultural, historical, and paleobiological resources of Santa Cruz Island, California. *Western North American Naturalist* 78(4): Article 43.

**Wilken, D.** 2016. Rarity, threats, and the conservation status of California geophytes. *Fremontia* 44: 20-26.

#### Technical Reports and non-peer reviewed articles

**Guilliams, C.M.** 2018. Naval Base Ventura County, San Nicolas Island Erosion Control Program Final Report: Results of surveys for *Dithyrea maritima* on San Nicolas Island. Cooperative Agreement Number N62473-14-2-00015. Unpublished report. Santa Barbara, California.

**Guilliams, C.M., A.I. Hernandez, and K. Hasenstab-Lehman.** 2018. Naval Base Ventura County, San Nicolas Island Erosion Control Program Final Report: Population genetic study of island mallow (*Malva assurgentiflora*) across the Channel Islands archipelago to assess provenance of plants from San Nicolas Island. Cooperative Agreement Number N62473-14-2-00015. Unpublished report. Santa Barbara, California.

**Holzman, B.A.,** G. Block, G.J. McChesney, J.A. Shore and Q. Clark. 2018. Site-specific protocol for monitoring plants: Southeast Farallon Island, Farallon National Wildlife Refuge. Report prepared for the U.S. Fish and Wildlife Service, Farallon Islands National Wildlife Refuge. Santa Barbara Botanic Garden, Santa Barbara, CA.

**Knapp, D.A., F. Light, and C. Garoutte.** 2018. Naval Base Ventura County, San Nicolas Island erosion control program final report: *Mesembryanthemum crystallinum* impacts and habitat restoration. Cooperative Agreement N62473-14-2-0005. Santa Barbara Botanic Garden, Santa Barbara, California.

**Schneider, H.E., S.E. Termondt, and C.M. Guilliams.** 2018. Rare plant surveys and conservation seed collections in the California Floristic Province in Baja California, Mexico final report. Unpublished report, Santa Barbara Botanic Garden. 13 pp.

**Schneider, H.E., S.E. Termondt, H. Federlein.** 2018. *Sanicula maritima* (adobe sanicle) root propagation study. Unpublished report, Santa Barbara Botanic Garden, Santa Barbara, CA. 23 pp.

#### **2017:**

#### Books and Book Chapters:

Riley, J. with contributions by S. Alfaro, M.C. Arteaga, **C.M. Guilliams**, **K.E. Hasenstab-Lehman**, A. Garcia Peralta, and J. Simancas. 2017. A Field Guide to the Vernal Pools of Baja California, Mexico. Jardín Botánico de San Quintín, San Quintín.

Journal Articles (peer reviewed):

**Carlquist, S.** 2017. Conifer tracheids resolve conflicting structural requirements: Data, hypothesis, questions. *Journal of the Botanical Research Institute of Texas* 11(1): 123-141.

Carlquist, S. and **C.M. Guilliams** 2017. Distinctive wood anatomy of the root-parasitic family Lennoaceae (Boraginales). *IAWA Journal* 38 (1): 3-12.

Erlandson, J.M., **K.M. Gill**, A. Gusick, and A.E. Dorrler. 2017. Identifying shell middens with historic aerial photos: An example from California's Santa Cruz Island. *Journal of Island and Coastal Archaeology*, DOI: 10.1080/15564894.2017.1324926.

**Guilliams, C.M., K.E. Hasenstab-Lehman**, M. Mabry, and M.G. Simpson 2017. Memoirs of a frequent flier: phylogenomics reveals 18 long-distance dispersals in the popcorn flowers (Amsinckiinae, Boraginaceae). *American Journal of Botany*, Special Issue on American Amphitropical Disjunction, 104: 1717-1728.

**Hasenstab-Lehman, K.E.** 2017. Phylogenetics of the borage family: delimiting Boraginaceae and assessing closest relatives. *Aliso* 35(1) 41-49.

Simpson, M.G., **C.M. Guilliams**, **K.E. Hasenstab-Lehman**, M. Mabry, L. Ripma 2017. Phylogeny of the popcorn flowers: Use of genome skimming to evaluate monophyly and interrelationships in subtribe Amsinckiinae (Boraginaceae). *Taxon* 66 (6): 1406-1420.

Simpson, M.G., L. Johnson, T. Villaverde, and **C.M. Guilliams** 2017. American amphitropical disjunct plants: insights and recent evidence. *American Journal of Botany*, Special Issue on American Amphitropical Disjunction, 104: 1600-1650.

Simpson, M.G., **C.M. Guilliams**, L. Johnson 2017. Patterns and processes of American amphitropical disjunctions: new insights. *American Journal of Botany*, Special Issue on American Amphitropical Disjunction, 104: 1597-1599.

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**Guilliams, C.M.**, B.E. Carter, M.L. Ceceña Sánchez, J. Delgadillo, B. Holzman, S. Junak, **D. Knapp**, L.L. Mendoza, and S. Vanderplank. 2017. The remarkable flora of California Islands. *Fremontia* 45(3): 5-11. <https://grownatives.cnps.org/2017/12/07/islands-of-the-californias/>.

**Knapp, D.A.**, D.Borjes-Flores, P. Dixon, W. Hoyer, J. Knapp, L. Luna, K. McEachern, J. Montoya, B. Munson, P. Power, and J. Randall. 2017. The future of California Islands conservation in a changing world. *Fremontia* 45(3).

- Knapp, D.** and **H. Schneider.** 2017. Conservation of salt marsh bird's beak (*Chloropyron maritimum* subsp. *maritimum*). Unpublished final report prepared for the U.S. Fish and Wildlife Service, Ventura, by the Santa Barbara Botanic Garden. Santa Barbara, California.
- McEachern, K., P. Dixon, E. Havstad, W. Hoyer, **D. Knapp**, J. Knapp, L. Luna-Mendoza, B. Munson, and **H. Schneider.** 2017. The struggle for recovery. *Fremontia* 45: 32-36.
- Schneider, H.E.** and **S.M. Calloway.** 2017. Habitat management and post-fire rehab for Vandenberg AFB, California: *Eriogonum parvifolium* surveys – Final Report 2017. Unpublished report, Santa Barbara Botanic Garden, Santa Barbara, CA. 20 pp.
- Schneider, H.E.** and **S.M. Calloway.** 2017. Habitat Management for Vandenberg AFB, California: *Layia carnosa* surveys – Final Report 2017. Unpublished report, Santa Barbara Botanic Garden, Santa Barbara, CA. 17 pp.
- Schneider, H.E.** 2017. Final Report – *Sanicula maritima* (adobe sanicle) seed germination study. Unpublished report, Santa Barbara Botanic Garden, Santa Barbara, CA. 7 pp.

## **2016:**

### Books and Book Chapters:

- Schlising, R., E. Gottschalk Fisher, **C.M. Guilliams** eds. 2016. Vernal Pools in Changing Landscapes. Studies from the Herbarium, Number 18, California State University, Chico.

### Journal Articles (peer reviewed):

- Burge, D., J. Rebman, M. Mulligan, and **D. Wilken.** 2017. Three edaphic-endemic *Ceanothus* (Rhamnaceae) new to Science. *Systematic Botany* 42: 529-542.
- Burge, D, K. Zhukovsky, and **D. Wilken.** 2016. A taxonomic conspectus of *Ceanothus* subgenus *Cerastes* (Rhamnaceae). *Systematic Botany* 40: 950-961.
- Carlquist, S.** 2016. Wood anatomy of Brassicales: new information, evolutionary concepts. *Botanical Review* 82: 24-90.
- Carlquist, S.** and M. Nazare. 2016. SEM studies of two riparian New Caledonian conifers reveal air channels in stem. Wood; Field observations. *Aliso* 34: 1-7.
- Chacón, J., F. Luebert, H. Hilger, S. Ovchinnikova, F. Selvi, L. Cecchi, **C.M. Guilliams, K. Hasenstab-Lehman,** K. Sutorý, M.G. Simpson, M. Weigend 2016. The borage family (Boraginaceae s.str.): A revised infrafamilial classification based on new phylogenetic evidence, with emphasis on the placement of some enigmatic genera. *Taxon* 65 (3): 523-546.

- Dvorak, T.M, A. Catalano, and **C.M. Guilliams**. 2016. Monitoring within non-native ungulate enclosures documents the inherent size of *Crocanthemum greenei* (Cistaceae). *Phytokeys* 70: 11-16 (doi; 10.3897/phytokeys.70.9363).
- Guilliams, C.M., K. Hasenstab-Lehman**, José Delgadillo, B.G. Baldwin 2016. Vernal pool landscapes of Baja California, México: an on-going project to assess vernal pool loss and protect what remains. *Studies from the Herbarium*, Number 18, California State University, Chico.
- Guilliams, C.M.**, T. Jang, and B.G. Baldwin 2016. Molecular and morphological evidence for recognition of two species within *Harpagonella* (Amsinckiinae, Boraginaceae). *Phytokeys* 70: 17-30 (doi: 10.3897/phytokeys.70.9053).
- Luebert, F., L. Cecchi, M.W. Frohlich, M. Gottschling, **C.M. Guilliams, K.E. Hasenstab-Lehman** and 15 others 2016. Familial classification of the Boraginales. *Taxon* 65 (3): 502-522.
- Schneider, A.C., W.A. Freyman, **C.M. Guilliams**, Y.P. Springer, B.G. Baldwin 2016. Pleistocene radiation of the serpentine-adapted genus *Hesperolinon* and other divergence times in Linaceae (Malpighiales). *American Journal of Botany* 103: 221-232.

#### Technical Reports and non-peer reviewed articles

- Gill, K.M.** 2016. 10,000 years of geophyte use among the island Chumash of the northern Channel Islands. *Fremontia* 44(3): 34-38.
- Guilliams, C.M.** 2016. Madroño Vol. 63 Dedication to Michael G. Simpson. *Madroño* 63(1): 1-2.

#### 2015:

##### Journal Articles:

- Carlquist, S.** 2015. Living cells in wood 1: Absence, scarcity and histology of axial parenchyma as keys to function. *Botanical Journal of the Linnean Society* 177: 291-321.
- Carlquist, S.** 2015. Living cells in wood 2: Raylessness histology and evolutionary significance. *Botanical Journal of the Linnean Society* 178: 529-555.
- Felger, R.S., S. Rutman, **C.M. Guilliams**, J. Malusa 2015. Ajo Peak to Tinajas Altas: Flora of Southwestern Arizona: Part 10, Eudicots: Berberidaceae, Bignoniaceae, and Boraginaceae. *Phytoneuron* 2015-1: 1-60.

#### Technical Reports and non-peer reviewed articles

- Guilliams, C.M.** 2015. The Lichens of the Channel Islands: new book project uses Garden herbarium. *Ironwood* 23 (2): 3.



**Guilliams, C.M.** 2015. The Flora of Santa Catalina Island: A partnership between the Santa Barbara Botanic Garden and the Catalina Island Conservancy. *Ironwood* 22 (4): 4-5.

**2014:**

Journal Articles:

**Carlquist, S.** 2014. Fibre dimorphism: Cell type diversification as an evolutionary strategy in angiosperm woods. *Botanical Journal of the Linnean Society* 174: 44-67.

**Carlquist, S.** 2014. Origins and nature of vessels in monocotyledons. 14. Vessellessness in Orontioideae (Araceae): adaptation or relictualism? *Nordic Journal of Botany* (with Edward L. Schneider).

**Guilliams, C.M.** and J.M. Miller 2014. *Calandrinia*, in Jepson Flora Project (eds.) *Jepson eFlora*, [http://ucjeps.berkeley.edu/cgi-bin/get\\_IJM.pl?tid=16615](http://ucjeps.berkeley.edu/cgi-bin/get_IJM.pl?tid=16615), accessed on Dec 23 2014.

**Guilliams, C.M.** and J.M. Miller 2014. *Calyptridium*, in Jepson Flora Project (eds.) *Jepson eFlora*, [http://ucjeps.berkeley.edu/cgi-bin/get\\_IJM.pl?tid=16845](http://ucjeps.berkeley.edu/cgi-bin/get_IJM.pl?tid=16845), accessed on Dec 23 2014.

**Knapp, D.A.** 2014. Ecosystem restoration on Santa Catalina Island: A review of potential approaches and the promise of bottom-up invader management. *Monographs of the Western North American Naturalist* 7: 421-434.

Technical Reports and non-peer reviewed articles

Corona, G., **C.M. Guilliams** and S. Vanderplank 2014. Evaluación del riesgo de extinción de *Centromadia perennis* Greene de acuerdo al numeral 5.7 de la NOM-059-SEMARNAT-2010. Prepared for Sociedad de Plantas Nativas de Baja California. 17 pages.

Corona, G., **C.M. Guilliams** and S. Vanderplank 2014. Evaluación del riesgo de extinción de *Adenothamnus validus* (Brandege) D.D. Keck de acuerdo al numeral 5.7 de la NOM-059-SEMARNAT-2010. Prepared for Sociedad de Plantas Nativas de Baja California. 20 pages.

Corona, G., **C.M. Guilliams** and S. Vanderplank 2014. Evaluación del riesgo de extinción de *Chenopodium flabellifolium* Standley de acuerdo al numeral 5.7 de la NOM-059-SEMARNAT-2010. Prepared for Sociedad de Plantas Nativas de Baja California. 21 pages.

Corona, G., **C.M. Guilliams** and S. Vanderplank 2014. Evaluación del riesgo de extinción de *Dudleya anthonyi* Rose de acuerdo al numeral 5.7 de la NOM-059-SEMARNAT-2010. Prepared for Sociedad de Plantas Nativas de Baja California. 21 pages.

Corona, G., **C.M. Guilliams** and S. Vanderplank 2014. Evaluación del riesgo de extinción de *Eryngium aristulatum* Jeps. var. *parishii* (J.M. Coult. y Rose) Mathias y Constance de acuerdo al numeral 5.7 de la NOM-059-SEMARNAT-2010. Prepared for Sociedad de Plantas Nativas de Baja California. 24 pages.

Corona, G., **C.M. Guilliams** and S. Vanderplank 2014. Evaluación del riesgo de extinción de *Navarretia fossalis* Moran, de acuerdo al numeral 5.7 de la NOM-059-SEMARNAT-2010. Prepared for Sociedad de Plantas Nativas de Baja California. 24 pages.

### **2013:**

#### Journal Articles:

**Carlquist, S.** 2013. More woodiness/ less woodiness: Evolutionary avenues, ontogenetic mechanisms. *International Journal of Plant Science* 174(7): 964-991.

**Carlquist, S.,** B.F. Hansen, H.H. Iltis, M.E. Olson, and D.L. Geiger. 2013. Forchhammeria and Stixis (Brassicales): Stem and wood anatomical diversity, ecological and phylogenetic conclusions. *Aliso* 31: 59-75.

### **2012:**

#### Books and Book Chapters:

Baldwin, B., D. Goldman, D. Keil, R. Patterson, T. Rosatti, and **D. Wilken** (eds.). 2012. *The Jepson Manual, 2nd Edition*. University of California Press, Berkeley. 1568 pages.

**Muller, R.N.** 2012. Nutrient relations of the herbaceous layer in deciduous forest ecosystems. *in* F. S. Gilliam and M. R. Roberts (eds.). *Ecology of the Herbaceous Layer of Forests of Eastern North America*. 2<sup>nd</sup> Edition. Oxford University Press.

#### Journal Articles:

**Carlquist, S.** 2012. Monocot xylem revisited: new information, new paradigms. *The Botanical Review* 78:1-67.

### **2011:**

#### Journal Articles:

Burge, D.O., D. M. Erwin, M. B. Islam, J. Kellermann, S. S. Kembel, P. S. Manos, and **D. H. Wilken**. 2011. Diversification of *Ceanothus* (Rhamnaceae) in the California Floristic Province. *International Journal of Plant Science* 172:1137-1164.

**Carlquist, S.** and E.L. Schneider. 2011. *Equisetum* xylem: SEM studies and their implications. *American Fern Journal* 101:133-141.

- Gallo, T. and **S. Windhager**. 2011. Accepting 'The New Normal'? Not so fast... Conservation Magazine, Spring 2011.
- Haller, J.R. and N. J. Vivrette. 2011. Ponderosa pine revisited. *Aliso* 29:53-57.
- McEwan, R.W. and **R.N. Muller**. 2011. Dynamics, diversity and resource gradient relationships in the herbaceous layer of an old-growth Appalachian forest. *Plant Ecology* 212:1179-1191.
- Simmons, M., M. Bertelsen, **S. Windhager**, and H. Zafian. 2011. The performance of native and non-native turfgrass monocultures and native turfgrass polycultures: An ecological approach to sustainable lawns. *Ecological Engineering* 37:1095-1103.

#### Symposium Proceedings:

- McEachern, K. and **D. Wilken**. 2011. Nine endangered taxa, one recovering ecosystem: Identifying common ground for recovery on Santa Cruz Island, California. Proceedings of the CNPS Conservation Conference, Pages 162-167, California Native Plant Society.
- Wilken, D.** and K. McEachern. 2011. Experimental reintroduction of the federally endangered Santa Cruz Island bush mallow (*Malacothamnus fasciculatus* var. *nesioticus*). Proceedings of the CNPS Conservation Conference, Pages 410-418, California Native Plant Society.

#### 2010:

#### Journal Articles:

- Carlquist, S.** 2010. Caryophyllales: A key group for understanding wood anatomy character states and their evolution. *Botanical Journal of the Linnean Society* 164:342–393.
- Carlquist, S.** and **E.L. Schneider**. 2010. Origins and nature of vessels in monocotyledons. 11. primary xylem microstructure, with examples from Zingiberales. *International Journal of Plant Sciences* 171:258-266.
- Carlquist, S.** and **E.L. Schneider**. 2010. Origins and nature of vessels in monocotyledons. 12. Pit membrane microstructure diversity in tracheary elements of *Astelia*. *Pacific Science* 64:607-618.
- Muller, R.N.** and C. Bornstein. 2010. Maintaining the diversity of California's municipal forests. *Arboriculture and Urban Forestry* 36:18-27.
- Porter, J.M., L. Johnson, and **D. Wilken**. 2010. Phylogenetic systematics of *Ipomopsis* (Polemoniaceae): relationships and divergence times estimated from chloroplast and nuclear DNA sequences. *Systematic Botany* 35: 181-200.
- Windhager, S.,** F. Steiner, M. Simmons, and D. Heymann. 2010. Towards ecosystem services as a basis for design. *Landscape Journal* 29:107-123.

## Technical Reports

**Muller, R. and S. Junak.** 2010. Final Report for 2009-2010 Sensitive Plant Species on Target Areas at Naval Air Facility El Centro, El Centro, California. Report prepared for U.S. Navy. Santa Barbara Botanic Garden, Santa Barbara, CA. 58 Pages

## 2009:

### Journal Articles:

**Carlquist, S.** 2009. Darwin on island plants. *Botanical Journal of the Linnean Society*. 161:20–25.

**Carlquist, S.** 2009. Non-random vessel distribution in woods: patterns, modes, diversity, correlations. *Aliso* 27:39-58.

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