

**James R. Shevock**

Research Associate & Fellow

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***Education***

B.S. Botany (1976) and M.A. Biology (1978), California State University, Long Beach.

Master's Thesis: A vascular flora of Lloyd Meadows Basin, Sequoia National Forest, Tulare County, California.

***Federal Career with U.S. Forest Service and National Park Service (1978-2009)***

\*1978. Began 30+ year federal career first with the USDA Forest Service. First position was wilderness ranger for the Golden Trout Wilderness, Sequoia National Forest.

\*1979-84. Served as the first forest botanist for the Sequoia National Forest. Developed and administered the botany/ecology program.

\*1984-86. Served on a special assignment on intergovernmental loan from the Forest Service to the California Department of Fish & Game as staff botanist to the Natural Diversity Data Base. Increased interagency use of this statewide resource.

\*1986-98. Served as Regional Botanist for the Pacific Southwest Region, USDA Forest Service. Administered the threatened, endangered and sensitive plant program. Developed regional guidelines for forest planning of natural resources.

\*1998-2003. Associate Regional Director for Resources Stewardship, Partnerships & Science, National Park Service, Pacific West Region (NPS). Provided oversight for cultural and natural resources management across 58 park units within six western states and trust territories in the Pacific (Guam, Saipan, and American Samoa).

\*2004-2008. NPS Research Coordinator, Californian Cooperative Ecosystem Studies Unit (CESU), University of California, Berkeley. Assist national park units in developing collaborative research, technical assistance and educational projects with CESU partner universities.

Jan 2009. Completed federal career and officially retired with 32 years of public service.

***Post Federal Government Service***

Since January 2009, I have maintained an office at the California Academy of Sciences, Department of Botany as a Research Associate and Fellow. My focus is on building and developing the CAS bryophyte herbarium. Growth of this collection is through acquisition of bryological specimens obtained during CAS funded expeditions and by an active specimen exchange program.

## **Professional Activities**

### **Honorary positions:**

Fellow, California Academy of Sciences (2007)  
Research Associate, Department of Botany, California Academy of Sciences (1983-present)  
Research Associate, University Herbarium, University of California, Berkeley (1996-present)  
Research Associate, National Tropical Botanical Garden, Kaua'i, HI (2015-present)  
Science Advisory Council, Center for Plant Conservation, St. Louis, MO (1996-2003)  
President, California Botanical Society (1991-92)  
Corresponding Secretary, California Botanical Society (1985-89)  
Council Member, California Botanical Society (several 3-year terms)  
Vice President for Plant Programs, California Native Plant Society (1993-96)  
Chapter Council (representing Bryophyte Chapter) CNPS (2015-present)  
Bryophyte Chapter, California Native Plant Society (President elect, 2018)  
Member-at-Large, American Bryological and Lichenological Society (2003-04)  
Rare Plant Scientific Advisory Council, California Native Plant Society (multiple years)  
Treasurer, International Association of Bryologists (2009-2011)  
Director of the ABLS Moss Exchange (2012-present)  
Distinguished Alumnus Award, Los Angeles Pierce College  
English editor for the journal *Acta Bryolichenologica Asiatica*  
English editor for the journal *Chenia*

### **Scientific accomplishments**

Discovered over 20 vascular plant and 15 bryophytes in California as new to science.

Twelve plant species have been named in my honor. Among these are seven flowering plants: *Allium sherrickii*, *Astragalus sherrickii*, *Boechera sherrickii*, *Eriogonum breedlovei* var. *sherrickii*, *Heterotheca sherrickii*, *Lomatium sherrickii*, *Mimulus sherrickii*, and six mosses *Bucklandiella sherrickii*, *Mielichhoferia sherrickii*, *Orthotrichum sherrickii*, *Plagiothecium sherrickii*, *Pogonatum sherrickii* and the moss genus, *Sherrockia*, endemic to China and Japan.

Awarded the Medal of Excellence in Research by the Philippine House of Representatives, June 2011.

My plant collections numbering over 50,900 numbers is my most important scientific contribution. The first 10,000 numbers are primarily California vascular plants and the remaining collections represent bryophytes. I have done international field work through collecting expeditions to Australia, Canada, Chile, China, New Zealand, Northern Marianas (Rota), Philippines, São Tomé and Príncipe (Gulf of Guinea, west Africa), South Africa, South Korea, and Taiwan. My domestic collections are primarily from the western USA including Hawai'i. The first set of my collections reside at CAS with duplicates deposited in several herbaria. Sets of my China collections are at KUN, and Taiwan collections at TAIE, with many duplicates at MO.

Published over 100 scientific botanical and plant conservation articles in peer reviewed journals.

Served as a team member of a plant collecting expedition to the Gaoligongshan Range of Yunnan Province (2002–2007). These specimens contributed toward the development of the Moss Flora

of China Project. Several bryophyte species new for China have been documented through these collecting expeditions. A National Geographic Society Research Grant (2015–16) supported additional bryophyte collecting with a focus on rheophytic habitats in Yunnan Province in partnership with the Kunming Institute of Botany (KUN), Chinese Academy of Sciences.

### **Affiliations**

American Society of Plant Taxonomists  
American Bryological and Lichenological Society  
British Bryological Society  
Bryological Society of Taiwan  
California Botanical Society  
California Lichen Society  
California Native Plant Society  
International Association of Bryologists  
Northern California Botanists

### **Publications**

AZUELO, A.G., B.C. TAN, **J.R. SHEVOCK**, A. MANUAL, A. YORONG AND L.G. SARIANA. 2015. Mosses new for Mindanao Island, Republic of the Philippines. *Proceedings of the California Academy of Sciences*, Series 4, Vol. 62, No. 4: 127–134.

BARNEBY, R.C. AND **J.R. SHEVOCK**. 1987. *Astragalus eritterae* (Fabaceae), a new species for the southern Sierra Nevada. *Aliso* 11: 585–588.

BARTEL, J.A. AND **J.R. SHEVOCK** 1983. *Dudleya calcicola* (Crassulaceae), a new species for the southern Sierra Nevada. *Madroño* 30: 210–216.

BARTEL, J.A. AND **J.R. SHEVOCK**. 1989. *Dudleya cymosa* subsp. *costafolia* (Crassulaceae), a new subspecies from the southern Sierra Nevada, Tulare County, California. *Aliso* 12: 701–704.

BLOM, H.H., **J.R. SHEVOCK**, D.G. LONG, AND R. OCHYRA. 2011. Two new rheophytic *Schistidium* species from western China. *Journal of Bryology*: 33: 179–188.

BRINDA, J. C., L. R. STARK, **J.R. SHEVOCK** AND J.R. SPENCE. 2007. An annotated checklist of the bryophytes of Nevada, with notes on collecting history in the state. *The Bryologist* 110: 673–705.

BRINDA, J. C., L.R. STARK, **J.R. SHEVOCK** AND J.R. SPENCE. 2014. Contributions toward a bryoflora of Nevada: bryophytes new for the Silver state. Part III. *Madroño* 61: 253–258.

BRINDA, J., D.R. TOREN AND **J.R. SHEVOCK**. 2016. On the discovery of *Campylostelium* (Ptychomitriaceae) in the southwestern United States: *Campylostelium laegerae* sp. nov. and *C. pitardii* new to the Americas. *Madroño* 63(4): 353–358.

BURGE, D.O., J.M. THORNE, S.P. HARRISON, B.C. O'BRIEN, J.P. REBMAN, **J.R. SHEVOCK**, E.R. ALVERSON, L.K. HARDISON, J.D. RODRÍQUEZ, S.A. JUNAK, T.A. OBERBAUER, H. RIEMANN, S.E. VANDERPLANK AND T. BARRY. 2016. Plant diversity and endemism in the California Floristic Province. *Madroño* 63(2): 3–206.

CARTER, B.E., S. NOSRATINIA AND **J.R. SHEVOCK**. 2014. A revisit of species circumscriptions and evolutionary relationships in *Scouleria* (Scouleriaceae). *Systematic Botany* 39: 4–9.

ENROTH, J., S. OLSSON, S. HE, **J. R. SHEVOCK**, AND D. QUANDT. 2010. When morphology and molecules tell us different stories, part 2: *Pinnatella homaliadelphoides* (Neckeraceae), a new moss species from China and India. *Tropical Bryology* 31: 67–75.

ENROTH, J. AND **J.R. SHEVOCK**. 2011. *Porotrichum saotomense* sp. nov. (Neckeraceae) and other additions to the moss flora of São Tomé and Príncipe, Gulf of Guinea, West Africa. *Tropical Bryology* 33: 6–11.

ERTTER, B. AND **J.R. SHEVOCK**. 1993. Snow-wreath and its relatives in the garden. In Shasta snow-wreath: a new genus for California. *Fremontia* 22: 10–11.

FERNANDEZ, C., **J.R. SHEVOCK**, A.N. GLAZER, AND J.N. THOMPSON 2006. Cryptic species within a cosmopolitan desiccation-tolerant moss: *Grimmia laevigata*. *Proceedings National Academy of Sciences* 103: 637–642.

GARILLETI, R., **J.R. SHEVOCK**, D.H. NORRIS AND F. LARA. 2011. *Orthotrichum mazimpakanum* sp. nov. and *O. anodon* (Orthotrichaceae), two similar species from California. *The Bryologist* 114: 346–355.

HECKARD, L.R. AND **J.R. SHEVOCK**. 1985. *Mimulus norrisii* (Scrophulariaceae), a new species from the southern Sierra Nevada. *Madroño* 32: 179–185.

HEDENÄS, L., S. HUTTUNEN, **J.R. SHEVOCK** AND D.H. NORRIS. 2009. *Homalothecium californicum* (Brachytheciaceae), a new endemic species to the California Floristic Province, Pacific coast of North America. *The Bryologist* 112: 593–604.

IGNATOVA, E.A., L.E. KURBATOVA, O.I. KUZNETSOVA, O.V. IVANOV, **J.R. SHEVOCK**, B. CARTER AND M.S. IGNATOV. 2015. The genus *Scouleria* (Bryophyta) in Russia revisited. *Arctoa* 24: 47–66.

JIMÉNEZ, J.A., D.R. TOREN AND **J.R. SHEVOCK**. 2014. *Didymodon californicus* (Pottiaceae), a new species from California, U.S.A. *Phytotaxa* 158: 105–110.

JIMÉNEZ, J.A., D.G. LONG, **J.R. SHEVOCK** AND J. GUERRA. 2016. *Didymodon hengduanensis* (Bryophyta, Pottiaceae), a new species from the Hengduan Mountains, southwestern China. *Phytotaxa* 275(3): 287–293.

KELLMAN, K. AND **J.R. SHEVOCK**. 2006. Notes on *Dacryophyllum facifolium* Ireland. *Ervisia* 23: 36–39.

MA, W.Z., S. HE AND **J.R. SHEVOCK**. 2014. A geographical extension of the South American genus *Eobruchia* (Bruchiaceae) to Asia with a new species *E. sichuaniana* from China. *The Bryologist* 117: 37–42.

- MA, W.Z., J.R. SHEVOCK AND J. ENROTH. 2014. Rediscovery of the monospecific moss genus *Cyptodontopsis* (Cryphaeaceae) in China: a species restricted to flood plain habitats. *Acta Bryologica Asiatica* 5: 141–149.
- MA, W.Z. AND J.R. SHEVOCK. 2015a. The moss family Erpodiaceae in Yunnan Province, China. *Bryophyte Diversity and Evolution* 37: 12–22.
- MA, W.Z. AND J.R. SHEVOCK. 2015b. New distributional records of two monotypic moss genera *Arthocormus* and *Noguchiodendron* in China. *Plant Diversity and Resources* 37: 389–395.
- MA, W.Z. AND J.R. SHEVOCK. 2016. New additions and Notes on Miscellaneous Bryophytes based on recent collections in Yunnan Province, China *Journal of the Fairylake Botanical Garden* 15(1): 3–11.
- MA, W.Z. AND J.R. SHEVOCK AND J. ENROTH. 2016. Notes on the rediscovery of mosses *Anomodon perlingulatus* (Anomodontaceae) and *Curvidium kurzii* (Neckeraceae) in Yunnan, China. *Telopea* 19: 57–63.
- MA, W.Z., J.R. SHEVOCK AND S. HE. 2016. The first discovery on the sporophytes of a rheophytic moss: *Bryocrumia vivicolor* (Bryophyta, Hypnaceae). *Phytotaxa* 73–78.
- MA, W.Z. AND J.R. SHEVOCK 2017. *Chiastocaulon fimbriatum* (Plagiochilaceae), a morphologically variable species new for China, with an updated description based on additional sporophytic features from collections in Yunnan. *Cryptogamie, Bryologie* [in press]
- MA, W.Z., J. ENROTH AND J.R. SHEVOCK 2017. *Taiwanobryum undulatifolium* (Neckeraceae), a new combination based on sporophytic features. *Journal of Bryology* 39 [in press]
- MALCOLM, B., N. MALCOLM, J.R. SHEVOCK AND D.H. NORRIS. 2009. *California mosses*. Micro-Optics Press, Nelson, New Zealand. 430 pp.
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- MCINTOSH, T.T., H.H. BLOM, D.R. TOREN AND J.R. SHEVOCK. 2015. Two new species of *Schistidium* (Grimmiaceae, Bryophyta) from western North America. *Phytotaxa* 213: 57–64.
- MEDINA, R., F. LARA, V. MAZIMPAKA, J.R. SHEVOCK AND R. GARILLETI. 2011. *Orthotrichum pilosissimum* (Orthotrichaceae), a new moss from arid areas of Nevada with unique axillary hairs. *The Bryologist* 114: 316–324.
- MILLAR, C.I., M. BARBOUR, D. ELLIOTT-FISK, J.R. SHEVOCK, AND W. WOOLFENDEN. 1996. Significant Natural Areas. In: D.C. Erman, ed. Sierra Nevada Ecosystem Project. Final Report to Congress, Vol. 2 Assessments and Scientific Basis for Management Options, Chapter 29: 839–853. Davis: Univ. of Calif., Centers for Water and Wildland Resources.

MÜLLER, F., T. POĆS AND **J.R. SHEVOCK**. 2011. Additions to the liverwort and hornwort flora of São Tomé and Príncipe. *Tropical Bryology* 33: 19–22.

MÜLLER, F. AND J.R. SHEVOCK 2017. *Marchesinia principensis* (Marchantiophyta, Lejeuneaceae), a new liverwort species from Príncipe, West Africa. *Phytologia* [in press]

MUÑOZ, J., **J.R. SHEVOCK**, AND D. TOREN. 2002. *Grimmia serrana* (Bryopsida, Grimmiaceae) a new species from California, U.S.A. *Journal of Bryology* 24: 143–146.

NORRIS, D.H. AND **J.R. SHEVOCK**. 2004a. Contribution toward a bryoflora of California. I. A specimen-based catalogue of mosses. *Madroño* 51: 1–131.

NORRIS, D.H. AND **J.R. SHEVOCK**. 2004b. Contribution toward a bryoflora of California. II. A key to the mosses. *Madroño* 51: 133–269.

NORRIS, D.H., **J.R. SHEVOCK** AND B. GOFFINET. 2004. *Orthotrichum kellmanii* (Bryopsida, Orthotrichaceae), a remarkable new species from the central coast of California. *The Bryologist* 107: 209–214.

NORRIS, D.H., T. KOPONEN AND **J.R. SHEVOCK**. 2010. Bryophyte flora of the Huon Peninsula, Papua New Guinea. LXXII. Spiridentaceae (Musci). *Acta Bryolichenologica Asiatica* 3: 157–171.

NORRIS, D.H., T. KOPONEN AND **J.R. SHEVOCK**. 2014. Bryophyte flora of the Huon Peninsula, Papua New Guinea. LXXV. Orthotrichaceae (Musci): *Bryomaltaea*, *Codonoblepharon* and *Zygodon* with comments on *Leptodontiopsis* and *Orthotrichum*. *Acta Bryolichenologica Asiatica* 5: 3–17.

NOSRATINIA, S., **J.R. SHEVOCK**, AND B.D. MISHLER. 2011. Phylogenetic relationships of *Yunnanobryon* (Musci: Regmatodontaceae). *The Bryologist* 114: 547–555.

OCHYRA, R. AND **J.R. SHEVOCK**. 2012. A fruiting plant of *Handeliobryum sikkimense* (Bryopsida, Thamnobryaceae) from Yunnan, China. *Nova Hedwigia* 94: 307–321.

PÓCS, T., F. MÜLLER AND **J.R. SHEVOCK**. 2015. Additions to the liverwort and hornwort flora of São Tomé and Príncipe II, with *Neurolejeunea*, a genus new for Africa. *Herzogia* 28: 50–69.

PURSELL, R.A. AND **J.R. SHEVOCK**. 2013. *Fissidens grandifrons*: a possible explanation for the rarity of sporophytes. *Polish Botanical Journal* 58: 475–480.

QUEZEL, P. AND **J.R. SHEVOCK**. 1982. Essai de mise en parallèle de la zonation altitudinale des structures forestières de végétation entre la Californie méridionale et le pourtour méditerranéen. *Ecologia Mediterranea*. 8: 389–408.

REVEAL, J.L. AND **J.R. SHEVOCK**. 1989. A new variety of *Eriogonum prattenianum* (Polygonaceae: Eriogonideae) from the southern Sierra Nevada. *Phytologia* 66: 249–250.

SHEVOCK, J.R. 1976. Rare, endangered, and geographically interesting plants of the Santa Ana Mountains, Cleveland National Forest. *Sem. in Phys. Geog.*, CSU, Long Beach. 14 pp.

- SHEVOCK, J.R. 1977. Sensitive plant species for the Sequoia National Forest and adjacent regions. USDA Forest Service, Porterville, CA [with yearly supplements 1978–84].
- SHEVOCK, J.R. 1978. Vascular flora of Lloyd Meadows Basin, Sequoia National Forest, Tulare County, California. MS Thesis. CSU, Long Beach.
- SHEVOCK, J.R. 1984a. Rediscription and distribution of *Muilla coronata* (Liliaceae). *Aliso* 10: 621–627.
- SHEVOCK, J.R. 1984b. Distribution of *Forsellesia nevadensis* (Crossosomataceae) in the southern Sierra Nevada of Kern County, California. *Crossosoma* 9: 2–5.
- SHEVOCK, J.R. 1988a. New, rare and geographically interesting plants along the crest of the southern Sierra Nevada, 161–166. In C.A. Hall, Jr., ed. Plant biology of eastern California. Natural History of the White-Inyo Range Symposium, vol. 2. U.C. White Mountain Research Station, California State University, Los Angeles.
- SHEVOCK, J.R. 1988b. Native plant diversity and special area designations on the national forests in California. *Fremontia* 16: 21–27.
- SHEVOCK, J.R. 1989. Review of Inventory of rare and endangered vascular plants of California (4<sup>th</sup> ed.) by J.P. Smith and K. Berg. *Fremontia* 16: 30–31.
- SHEVOCK, J.R. 1990. Noteworthy collections from California (new occurrences for vascular plants from the Sierra Nevada). *Madroño* 37: 62–64.
- SHEVOCK, J.R. 1993a. Aceraceae. In J. Hickman, ed. *Jepson Manual, higher plants of California*. U.C. Press, Berkeley.
- SHEVOCK, J.R. 1993b. Cornaceae. In J. Hickman, ed. *Jepson Manual, higher plants of California*. U.C. Press, Berkeley.
- SHEVOCK, J.R. 1993c. Crossosomataceae. In J. Hickman, ed. *Jepson Manual, higher plants of California*. U.C. Press, Berkeley.
- SHEVOCK, J.R. 1993d. Myricaceae. In J. Hickman, ed. *Jepson Manual, higher plants of California*. U.C. Press, Berkeley.
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- SHEVOCK, J.R. 1993f. Staphyleaceae. In J. Hickman, ed. *Jepson Manual, higher plants of California*. U.C. Press, Berkeley.
- SHEVOCK, J.R. 1993g. Styracaceae. In J. Hickman, ed. *Jepson Manual, higher plants of California*. U.C. Press, Berkeley.

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- SHEVOCK, J.R. 1993i. How rare is the Shasta snow-wreath? In: Shasta snow-wreath: a new genus for California. *Fremontia* 22: 7–10.
- SHEVOCK, J.R. 1995. Overview of the USDA Forest Service. *Madroño* 42: 251–255.
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- SHEVOCK, J.R. 1996b. Plant diversity in the Kern River Region. Field Notes. *Kern Res. Center* 5(4): 1,3.
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- SHEVOCK, J.R. 1998. Bryophytes: little forests among the trees. *Fremontia* 26: 3–8.
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- SHEVOCK, J.R. 2003b. An update on the Nevada bryophyte inventory. *Nevada Native Plant Society Newsletter* 29: 7.
- SHEVOCK, J.R. 2004. Nevada bryophyte inventory update report. *Nevada Native Plant Society Newsletter* 30: 3–5.
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- SHEVOCK, J.R. 2006. Dedication- Daniel H. Norris. *Madroño* 53: 417.

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