

## Curriculum Vitae

### **James R. Shevock**

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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. Began 30+ year federal career with USDA Forest Service. First position was wilderness ranger for the Golden Trout Wilderness.

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

\*1984-86. Served on a special assignment on 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 toward natural resources.

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

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

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

### ***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)

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)

Member-at-Large, American Bryological and Lichenological Society (2003-04)

Rare Plant Scientific Advisory Council, California Native Plant Society (multiple years)

Distinguished Alumnus Award, Los Angeles Pierce College

#### **Scientific accomplishments:**

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

Have ten plant species named in my honor. Among these are six flowering plants (*Allium shevockii*, *Astragalus shevockii*, *Eriogonum breedlovei* var. *shevockii*, *Heterotheca shevockii*, *Lomatium shevockii*, *Mimulus shevockii*, and four mosses (*Orthotrichum shevockii*, *Plagiothecium shevockii* and *Schizymenium shevockii*) and the moss genus, *Shevockia*, endemic to Yunnan Province, China is the most recent commemorative recognizing my contribution to bryology.

Published over 50 scientific botanical and plant conservation articles in peer reviewed journals.

Member of plant collecting expedition team to Yunnan Province. Specimens contribute toward the development of the Moss Flora of China Project. Several bryophyte species new for China have been documented through these collecting expeditions.

**Affiliations:**

American Society of Plant Taxonomists

American Bryological and Lichenological Society

British Bryological Society

California Botanical Society

California Lichen Society

California Native Plant Society

Nevada Native Plant Society

Nordic Bryological Society

***Short-Term Goals***

To advance bryological inventories, especially in southeast Asia.

***Long-Term Goals***

I look forward to new challenges to be part of expedition teams. I have traveled to the Peoples Republic of China, Taiwan (ROC), Thailand, Australia, Korea, and Japan to experience other approaches toward conservation practices based on biodiversity inventory activities.

### ***Recent Achievements***

Completed the field-collecting component toward developing a bryoflora of the southern Sierra Nevada.

Co-authored and published the moss flora of the City and County of San Francisco, California.

Co-authored and published the catalogue and keys for California mosses.

Co-authored a guide to the mosses of California (in press).

### ***References***

Dr. Constance Millar, Institute of Forest Genetics, USDA Forest Service, Pacific Southwest Station, Albany, CA (510) 559-6435

Dr. Frank Almeda, Department of Botany, California Academy of Sciences, Golden Gate Park, San Francisco, CA (415) 379-5359

Dr. Alex Glazer, Office of the President, University of California, Oakland, CA (510) 987-0143

### ***Publications***

Barneby, R.C. and **J.R. Shevock**. 1987. *Astragalus ertterae* (Fabaceae), a new species for the southern Sierras 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.

\_\_\_\_\_. 1989. *Dudleya cymosa* subsp. *costafolia* (Crassulaceae), a new subspecies from the southern Sierra Nevada, Tulare County, California. *Aliso* 12: 701-704.

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: in press.

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 laegivata*. *Proceedings National Academy of Sciences* 103: 637-642.

Heckard, L.R. and **J.R. Shevock**. 1985. *Mimulus norrisii* (Scrophulariaceae), a new species from the southern Sierra Nevada. *Madroño* 32: 179-185.

Kellman, K. and **J.R. Shevock**. 2006. Notes on *Dacryophyllum facifolium* Ireland. *Evansia* 23(2): 36-39.

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.

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.

\_\_\_\_\_. 2004b. Contribution toward a bryoflora of California. II. A key to the mosses. *Madroño* 51: 133-269.

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Quezel, P. and J.R. Shevock. 1982. Essai de mise en parallele de la zonation altitudinale des structures forestieres de vegetation entre la Californie meridionale et le pourtour mediterraneen. *Ecologia Mediterranea*.

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.

\_\_\_\_\_. 1977. Sensitive plant species for the Sequoia National Forest and adjacent regions. USDA Forest Service, Porterville, CA [with yearly supplements 1978-84].

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\_\_\_\_\_. 1984a. Rediscription and distribution of *Muilla coronata* (Liliaceae). *Aliso* 10: 621-627.

\_\_\_\_\_. 1984b. Distribution of *Forsellesia nevadensis* (Crossosomataceae) in the southern Sierra Nevada of Kern County, California. *Crossosoma* 9: 2-5.

\_\_\_\_\_. 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.

\_\_\_\_\_. 1988b. Native plant diversity and special area designations on the national forests in California. *Fremontia* 16: 21-27.

\_\_\_\_\_. 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.

\_\_\_\_\_. 1990. Noteworthy collections from California (new occurrences for vascular plants from the Sierra Nevada). *Madroño* 37: 62-64.

\_\_\_\_\_. 1993a. Aceraceae. In J. Hickman, ed. Jepson Manual, higher plants of California. U.C. Press, Berkeley.

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- \_\_\_\_\_. 1993d. Myricaceae. *In* J. Hickman, ed. Jepson Manual, higher plants of California. U.C. Press, Berkeley.
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- \_\_\_\_\_. 1993g. Styracaceae. *In* J. Hickman, ed. Jepson Manual, higher plants of California. U.C. Press, Berkeley.
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- \_\_\_\_\_. 1996b. Plant diversity in the Kern River Region. Field Notes. Kern Res. Center 5(4): 1, 3.
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- \_\_\_\_\_. 2005a. *Bryoxiphium norvegium* (Bridel) Mitten subsp. *japonicum* (Berggren) Löve & Löve (Bryoxiphiaceae), a moss genus and family reported new for Yunnan Province. *Acta Botanica Yunnanica* 27: 383-384.
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- \_\_\_\_\_. 2006. Dedication- Daniel H. Norris. *Madroño* 53: 417.
- \_\_\_\_\_. 2007. New monograph of a *Racomitrium segregate* (review). *The Bryologist* 110: 130-132.
- \_\_\_\_\_ and L. Constance. 1979. A new species of *Oreonana*, a genus of snow-adapted Umbelliferae. *Madroño* 26: 128-134.
- \_\_\_\_\_ and L. L. Norris. 1981. The mountain parsleys of California. *Fremontia* 9: 22-25.
- \_\_\_\_\_ and D. W. Taylor 1987. Plant explorations in California, the frontier is still here. Pp. 91-98. In T.S. Elias, ed. Rare and endangered plants, their conservation and management. Symposium Proceedings. California Native Plant Society, Sacramento.



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\_\_\_\_\_, B. Ertter, and J. D. Jokerst 1989. *Monardella beneolens* (Lamiaceae), a new species from the crest of the southern Sierra Nevada, California. *Madroño* 36: 271-279.

\_\_\_\_\_, J. A. Bartel, and G. Allen. 1990. Distribution, ecology and taxonomy of *Erythronium* (Liliaceae) from the Sierra Nevada of California. *Madroño* 37: 261-273.

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\_\_\_\_\_ and D. Toren 2001. A catalogue of mosses for the City and County of San Francisco, California. *Madroño* 48: 1-16.

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\_\_\_\_\_ and N. G. Slack. 2005. *Bruchia bolanderi* Lesquereux (Bruchiaceae), species and family new for the Utah bryoflora. *Evansia* 22: 1-5.

\_\_\_\_\_, R. Ochyra, and W. R. Buck. 2006. Observations on the ecology and distribution of *Hydrocryphaea wardii*, a southeast Asian monospecific genus, reported new for China from Yunnan Province. *J. Hattori Botanical Laboratory* 100: 407-418.

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Spence, J. R., L. R. Stark, and **J.R. Shevock**. 2006. Contributions toward a bryoflora of Nevada., II: bryophytes new for the Silver State. *Madroño* 53: 400-403.

York, D., **J.R. Shevock**, and J. C. Semple. 1996. *Heterotheca monarchensis*. In J.C. Semple. A revision of *Heterotheca* sect. *Phyllotheca* (Nutt.) Harms (Composite: Astereae). Univ. of Waterloo Biology Series No. 37. 164 pps.

### ***Major bryological works in preparation***

New species of mosses for California to be co-authored with Dr. Dan Norris (ongoing)

A bryoflora of Death Valley National Park co-authored with Dana York

A bryoflora of mountain ranges in the Mojave Desert, California co-authored with Eve Laeger

A bryoflora of Yosemite National Park, central Sierra Nevada co-authored with Alison Colwell

A specimen based catalogue of Nevada mosses co-authored by Drs. Lloyd Stark, John Spence and John Brinda

Bryophytes new to Yunnan Province and to the People's Republic of China. Outcome of field collecting based on the Gaoligongshan Expeditions to China. (est. publication dates periodically as specimens are identified) in collaboration with Dr. David Long, Royal Botanic Garden, Edinburgh).