

Roger Rosentreter

1387 S. Vinnell Way
Boise, Idaho 83709
E-mail: rosentr@id.blm.gov

Education

B.A., Botany/Biology, University of Montana, Missoula Honors, 1974
M.A., Biology, Clark University, Worcester, MA, 1976
Ph.D., Botany, University of Montana, Missoula, 1984

Professional Experience

1985–Present State Office Botanist. Idaho State Office, Bureau of Land Management

Teaching Experience

Teaching Assistant

1974-1976 Clark University, Worcester, MA. Courses taught: Plant Taxonomy (2x), General Biology, Botany of the Maine Coast.

Teacher

1976-77 Secondary Science, Browning, MT. Biology and Earth Science, coached cross-country and track.

Teaching Assistant

1979-84 Univ. of MT, Missoula. Courses taught: Plant Taxonomy, Plant Physiology (3x), Agrostology, Genetics, General Biology (2x), General Botany (2x).

1980-1983 summers, Univ. of MT Biological Station, Flathead Lake. Courses taught: Plant Ecology (2x), Mycology, Lichenology

Other Teaching Experience

Sawtooth Science Institute, affiliated with Idaho State University. 1987 College of Idaho, Caldwell, ID. Course team taught: Advanced Plant Systematics.

1985-1989 Physical Education Dept., Boise State Univ., Boise, ID. Courses taught: Flatwater and Whitewater Canoeing.

Certified to teach canoeing by the American Canoe Trainer Association

Bureau of Land Management interagency courses: Rare Plant Monitoring Techniques, The Endangered Species Act

Ski Instructor, Recreation Unlimited, Physically Challenged Skiers Program, Bogus Basin Recreation Area, Boise, ID

Adjunct Appointments

1985-present: Biology Dept., Boise State Univ., Boise, ID. Courses taught: Subtropical Field Biology (in Mexico), Ecology of the Boise River, Plants of the Boise Foothills, Graduate Seminar, Aquatic Ecology. Directed independent study

in: Herbarium Curation Techniques (5x), Lichen Ecology, Edible Plants.
Occasional substitute for General Botany, Mycology, Plant Systematics.

Graduate Student Committee Member

1988-present: Idaho State Univ., Pocatello, ID, and Boise State Univ., Boise, ID.
Four completed M.S. students, one M.S. students in progress.

Personal Service Contractor:

Oregon State University, Corvallis, and Univ. of Wisconsin, Madison. Research
on old growth canopy species and the U.S. government's Forest Health
Monitoring Program.

Herbarium Curator: Maintain a private bryophyte/lichen herbarium as well as a
bryophyte/lichen herbarium at BSU.

Private collections total approximately 15,000 specimens.

Professional Service

Chairman, Idaho Interagency Rare Plant Working Committee, Society of Range
Management - Idaho Rangeland Reference Area Committee Board Member,
Idaho Weed Control Board 1989-1991 Member, USFS (Idaho) Old Growth Forest
Definition Team

SCS Riparian Plant Improvement Advisory Committee

International Forest Health Monitoring Program for Eastern Europe

President's Forest Ecosystem Management Assessment Team (FEMAT). Lead
for the lichen and bryophyte assessments

Past President, Idaho Native Plant Society

Scientific Publications and Contributions

1977 Rosentreter, R. and V. Ahmadjian. Effect of ozone on the lichen *Cladonia
arbuscula* and the *Trebouxia* phycobiont of *Cladonia stellaris*. *The Bryologist*
80:600-605.

1982 Lackschewitz, K.H., P. Lesica, R. Rosentreter, J.K. Cory, and P.F.
Stickney. Noteworthy collections in Montana. *Madroño* 29:58-60.

1984 Rosentreter, R. The zonation of mosses and lichens along the Salmon
River in Idaho. *Northwest Science* 58:108-117.

1986 Rosentreter, R. Compositional patterns within a rabbitbrush
(*Chrysothamnus*) community of the Idaho Snake River Plain. Pages 273-277 In:
McArthur, E.D., Welch, B.L., comps. *Proceedings of the Symposium: Biology of
Artemisia and Chrysothamnus*. Gen. Tech. Report INT-200, Ogden, UT.

1990 Rosentreter, R. Indicator value of lichen cover on desert shrubs. Pages
282-289 In: McArthur, E.D., Romney, E.M., Smith, S.D., Tueller, P.T., comps.
Proceedings of the Symposium: Cheatgrass invasion, shrub die-off and other

aspects of shrub biology and management. Gen. Tech. Report INT-276, Ogden, UT.

1991 Rosentreter, R. and R.G. Kelsey. Xeric big sagebrush, a new subspecies in the *Artemisia tridentata* complex. *Journal of Range Management* 44:330-335.

1992 Rosentreter, R. and B. McCune. Vagrant *Dermatocarpon* in Western North America. *The Bryologist* 95:15-19.

1992 Rosentreter, R. Highwater indicators on Idaho waterways. Pages 18-24 In: Clary, W.P., McArthur, E.D., Bedunah, D., Wambolt, C.L., comps. *Proceedings of the Symposium: Ecology and management of riparian shrub communities*. Gen. Tech. Report INT-289, Ogden, UT.

1992 Rosentreter, R. Camas Prairie and possible evolutionary links with old world *Artemisia* species. Pages 223-227 In: Clary, W.P., McArthur, E.D., Bedunah, D., Wambolt, C.L., comps. *Proceedings of the Symposium: Ecology and management of riparian shrub communities*. Gen. Tech. Report INT-289, Ogden, UT.

1992 Owen, W.R. and R. Rosentreter. Monitoring rare perennial plants: techniques for demographic study. *Natural Areas Journal* 12:32-38.

1992 McCune, B. and R. Rosentreter. Distribution and abundance of a rare lichen species, *Texosporium sancti-jacobi*. *The Bryologist* 95:329- 333.

1993 Stolte, K. et al. Lichens as bioindicators of air quality. U.S. Department of Agriculture, Forest Service, Rocky Mountain Forest and Range Experiment Station, Gen. Tech. Rep. RM-224. Fort Collins, CO. 131 p.

1993 Rosentreter, R. Vagrant lichens in North America. *The Bryologist* 96:333-338.

1994 Rittenhouse, B. and R. Rosentreter. Ecology of Challis Milkvetch, a unique endemic of East-Central Idaho. *Natural Areas Journal* 11:22-30.

1994 Hayward, G.D. and R. Rosentreter. Lichens as nesting material for northern flying squirrels in the Northern Rocky Mountains. *Journal of Mammalogy* 75:663-673.

1994 Goward, T., P. Diederich, and R. Rosentreter. Notes on the lichens and allied fungi of British Columbia, II. *The Bryologist* 97:56-62.

1994 Rosentreter, R. Displacement of rare plants by exotic grasses. Pages 170-175 In: Monsen, S.D., Kitchen, S.G., comps. *Proceedings of the Symposium: Ecology and management of annual rangelands*. Gen. Tech. Report INT-GTR-

313, Ogden, UT.

1994 Leonard, B.F. and R. Rosentreter. Dating a 20th-century fault, Elk Summit Talus Apron, Big Creek area, Valley County, Idaho. US Geological Survey Bulletin #2101. 13 p.

1994 Leshner, R., R. Rosentreter, and J. Christy. The role of fungi, Lichens and bryophytes in the development and management alternatives for federal lands in the Pacific Northwest. Northwest Science 68:136.

1995 Rosentreter, R. Lichen diversity in managed forests of the Pacific Northwest, USA. 103-124 pp. In: Conservation of Lichenized Fungi. Scheidegger, C.; Wolseley, P.A.; Thor. G.(eds.) 1995. Mitteilungen der Eidgenössischen Forschungsanstalt für Wald, Schnee und Landschaft 70, 1:1-173. Birmensdorf, Switzerland.

1996 Rosentreter, R. and B. McCune. Distribution and Ecology of *Teloschistes contortuplicatus* in North America. *Evansia* 13(1):10-13.

1997 McCune, B.; R. Rosentreter; A. DeBolt. Biogeography of Rare Lichens from the Coast of Oregon. Pages 234-241 IN: T.N. Kaye, A. Liston, R.M. Love, D.L. Luoma, R.J. Meinke, and M.V. Wilson, editors. Conservation and Management of Native Plants and Fungi. Native Plant Society of Oregon, Corvallis, Oregon. 1977.

1997 Rosentreter, R. Conservation and Management of Vagrant Lichens in the Northern Great Basin, USA. Pages 242-248 IN: T.N. Kaye, A. Liston, R.M. Love, D.L. Luoma, R.J. Meinke, and M.V. Wilson, editors. Conservation and Management of Native Plants and Fungi. Native Plant Society of Oregon, Corvallis, Oregon. 1977.

1997 Rosentreter, R., G.D. Hayward, and M. Wicklow-Howard. Northern Flying Squirrel Seasonal food habits in the interior conifer forests of central Idaho, USA. Northwest Science, Vol. 71:(2) 97-102.

1997 McCune, B., R. Rosentreter. *Hypogymnia subphysodes*, new for North America. *Evansia* 14(3):106

1997 Eldridge, D. & R. Rosentreter. Terricolous *Aspicilia* in semi-arid eastern Australia: how many species are there? *Australian Lichenology* 41:18-19.

1998 Peterson, E.B., D. Greene, B. McCune, E.T. Peterson, M.A. Hutten, P. Weisberg, and R. Rosentreter. *Sulcaria badia*, a rare lichen in Western North America. *Bryologist* 10(1):112-115.

1998 Rosentreter, R. Notes on the *Aspicilia reptans* Complex, with descriptions

of two new species. *Lichenologia Thomsoniana*.

1999 Eldridge D.J., and R. Rosentreter Morphological groups: a framework for monitoring microphytic crusts in arid landscapes. *J. of Arid Environ.* (In press).

1999 Will-wolf, S., Hawksworth, McCune, Sipman, and R. Rosentreter Monitoring Biodiversity of Lichens. IN: Mueller, G.M., G.F. Bills, and M.S. Foster, eds. *Measuring and Monitoring Biological Diversity: Standard Methods for Fungi*. Smithsonian Institution Press, Washington, D.C.

1999 Elzinga, C., R. Rosentreter, H. Hudak, A. Bahn, and J. Duft. *Riparian Plants of the Great Basin*. University of Nevada Press, Reno, NV. (in edit) 315 pages.

Other Reports and Papers

1986 Rosentreter, R. Sensitive and uncommon plants in the Boise District of the Bureau of Land Management. U.S. Dept. of Interior, Idaho Bureau of Land Management Tech. Bulletin #86-2. 86 p.

1986 Rosentreter, R. and R. Jorgensen. Restoring winter game ranges in Southern Idaho. U.S. Dept. of Interior, Idaho Bureau of Land Management Tech. Bulletin #86-3. 26 p.

1986 Bolin, R. and R. Rosentreter. The autecology of *Allium aaseae*. Bureau of Land Management, Idaho State Office Report, Boise, Idaho. 24 p.

1988 Rosentreter, R., A.M. DeBolt, and C.C. Bratt. Curation of soil lichens. *Evansia* 5(2):23-26.

1988 DeBolt, A.M. and R. Rosentreter. An illustrated guide to the sensitive plants of the Boise District, Bureau of Land Management. U.S. Dept. of Interior, Idaho Bureau of Land Management Tech. Bulletin #88-4. 46 p.

1988 Johnson, C.W. and R. Rosentreter. Influence of cryptogamic ground cover on rangeland soil loss. In: UNEP Workshop: Uses of microbiological processes in arid lands for desertification control and increased productivity. ISEB Symposium, Albuquerque, NM.

1989 Rosentreter, R. Air quality monitoring using lichens for the Jarbidge Wilderness Area, Humboldt National Forest. Contract Report to the Buhl Ranger District of the Humboldt National Forest. 12 p.

1990 Rosentreter, R., editor. *Idaho plants: facts and folklore, a centennial tribute*. By North Jr. High School Science Students. Printed by the Idaho Centennial Commission, Boise, ID. 152p.

- 1991 Rosentreter, R. Lichens as biological markers. In: Proceedings of the Conference: Pesticides in natural systems, how can their effects be monitored? U.S. Environmental Protection Agency, EPA Report 910/9- 91-011
- 1992 Thomas, A. and R. Rosentreter. Antelope utilization of lichens in the Birch Creek Valley of Idaho. Pages 58-66 In: P. Riddle, chairman. Proceedings of the 15th Biennial Pronghorn Antelope Workshop, Rock Springs, WY.
- 1993 Rosentreter, R. Forest canopy lichens of central Idaho. Northwest Science abstract 67(2):137.
- 1993 Rosentreter, R. Fostering agency advocates for non-vascular plants. American Journal of Botany abstract 80(6):5-6.
- 1993 Rosentreter, R. and L. Eslick. Notes on the Bryorias used by flying squirrels for nest construction. Evansia 10(2):61-63.
- 1993 Rosentreter, R., L.C. Smithman, and A.M. DeBolt. Vernacular lichen names: Swedish names translated to English. Evansia 10(3):104-111.
- 1993 McCune, B. and R. Rosentreter. Improved spot tests for Bryoria. Evansia 10(2):58-60.
- 1993 Thomas, J.W. et al. Forest ecosystem management: an ecological, economic, and social assessment. Report of the Forest Ecosystem Management Assessment Team, USDA Forest Service, Portland, Oregon.
- 1994 Rosentreter, R. A chemical test for Verrucaria. Evansia 11(2):78.
- 1995 McCune, B. and Rosentreter, R. Distribution and ecology of *Thelomma ocellatum* in western North America. Evansia 12(3)103-106.
- 1996 Kaltenecker, J.H., M. Wicklow-Howard, and R. Rosentreter. The effects of post fire rangeland rehabilitation on the recovery of microbiotic soil crusts on the western Snake River Plain. Report submitted to the Idaho Army National Guard.
- 1997 Kaltenecker, J.H., M. Wicklow-Howard, and R. Rosentreter. Microbiotic soil crusts of the Lemhi Resource Area and their effect on soil-water relationships in sites recovering from long-term grazing. Report submitted as a Cooperative Challenge Cost share Project to the Bureau of Land Management.
- 1998 McCune, B. and R. Rosentreter. Macrolichens from Priest River Experimental Forest. Evansia 15(1)37-42.
- 1998 Rosentreter, R. Status and Trends of Bryophytes and Lichens in the Pacific Northwest IN: National Status and Trends Report USDI BRD/USGS Washington,

D.C. (In press).

1998 Rosentreter, R. Idaho's Rare Lichens. In: Rosentreter, R. and A. DeBolt (eds.) The Ellen Trueblood Symposium: Highlighting Idaho's rare fungi and lichens. Idaho Native Plant Society, Boise, Idaho.

1999 Kaltenecker, J., M. Wicklow-Howard, and R. Rosentreter. Biological soil crusts in three sagebrush vegetation types recovering from long-term grazing. In:eds. Symposium on Shrubland Ecotones. Ephraim, UT. 12-24 Aug. 1998.

Professional Organizations:

American Bryological and Lichenological Society
International Lichenological Association
Northwest Lichen and Moss Guild
Natural Areas Association
North American Mycological Society
Northwest Scientific Association
Idaho Academy of Science
Idaho Chapter of the Wildlife Society