

Michael C. Vasey

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Academic History

A.B., History, Dartmouth College, Hanover, N.H.

M.A., Ecology and Systematics, San Francisco State University, San Francisco, CA

Ph.D, Environmental Studies, University of California Santa Cruz (Advanced to
Candidacy January 2008)

Awards, Grants, and Honors

Graduate Student of the Year, San Francisco State University (1982)

Graduate Student Fellowship, UCSC Environmental Studies Department, 2005-2006

Graduate Program Research Grant, UCSC Environmental Studies Department
(\$1000 - 2006)

Mildred Matthias Graduate Student Research Grant (\$2500 - December 2006)

Graduate Program Research Grant, UCSC Environmental Studies Department
(\$1000 - 2007)

STEPS Institute (\$1500 - May 2007)

Hardman Foundation Grant (\$1000 – December 2007)

Graduate Program Research Grant, UCSC Environmental Studies Department
(\$400 - 2008)

Benjamin and Ruth Hammett Award, STEPS Institute ((\$1000- 2008)

CDELSI (\$1498 – 2008)

Jean H. Langenheim Graduate Fellowship in Plant Ecology and Evolution
(\$8300 - Fall Quarter, 2009)

Public Talks (Past 10 years)

- **Invited Speaker:** Wildfires! On the Central California Coast. Pescadero Conservation Alliance, October 2009.
- **Invited Speaker:** Maritime Chaparral: California's elfin "cloud forest", Point Lobos State Reserve, February, 2009
- **Participant:** Disentangling "Maritime" Influence: Climate, Soils, and Species Diversity. UCSC Plant Symposium, January 2009.
- **Invited Speaker:** Manzanitas, maritime chaparral, and land use dilemmas: Where does maritime end and interior begin? California Native Plant Society, Santa Cruz Chapter, May 2008
- **Invited Speaker:** Manzanitas, maritime chaparral, and land use dilemmas: Where does maritime end and interior begin? California Native Plant Society, Monterey Chapter, May 2008

- **Invited Speaker:** Manzanitas, maritime chaparral, and land use dilemmas: Where does maritime end and interior begin? California Native Plant Society, Monterey Chapter, May 2008
- **Invited Speaker:** Challenge of conserving “sensitive natural communities” on private lands: Focus on maritime chaparral, Northern California Society of Conservation Biology, Berkeley Chapter, March 2008
- **Speaker:** Where does maritime end and interior begin? Land use policy dilemmas and the use of science to delimit the distribution of maritime chaparral along the central California coast, Matthias Symposium, February 2008
- **Speaker:** Coastal summer fog as a factor in the evolutionary diversification of a Mediterranean-type sclerophyllous shrub genus (*Arctostaphylos*:Ericaceae) in California, MEDECOS, Perth, SW Australia, August 2006.
- **Speaker:** Coastal summer fog as a factor in the evolutionary diversification of *Arctostaphylos* (Ericaceae) in California, Ecological Society of America meeting, San Jose, CA. June 2007.
- **Invited Speaker and Symposium Moderator:** Ecological Restoration in a Changing World: Case Studies from California, Society for Conservation Biology 20th Annual Meeting, San Jose, CA, June 2006.
- **Moderator:** Getting Warmer: California – An island no more. Panel discussion in conjunction with World Environment Day, San Francisco Public Library, June 5, 2005
- **Invited Speaker:** Ericaceae (Emphasizing *Arctostaphylos*), Strybing Arboretum Docent Program, San Francisco, CA. December 2004.
- **Invited Speaker:** *Spartina foliosa* (Poaceae:Chlorididae), an endemic of the Pacific Coast of North America. Third International Conference on *Spartina*, San Francisco, CA. November 2004.
- **Invited Speaker:** Bush and the Environment: The Perfect Storm. College of Behavioral and
- Social Sciences Colloquium on the Election, October, 2004.
- **Invited Speaker:** Adaptive Management: Just Winging It? Habitat Conservation Planning from Tahoe to the Bay, Workshop, December 2003
- **Invited Speaker:** Milo Baker Chapter of the California Native Plant Society. Manzanitas: A California Treasure. June, 1999.
- **Invited Speaker:** Santa Clara and Santa Cruz Chapters of the California Native Plant Society. Manzanitas: A California Treasure. February, 1999.
- **Invited Speaker:** San Francisco Recreation and Park Dept, Significant Natural Resource Areas Docent Program. “Introduction to the Franciscan Landscape”. December, 1998.
- **Invited Speaker:** Save the Bay/Pacific Institute event on San Francisco Bay and Global Climate Change. “Saving San Francisco Bay: For What and For Whom?”. November, 1998.
- **Invited Speaker:** Restoration Workshop, Randall Museum, San Francisco Recreation and Parks Department, “Monitoring Design and Implementation”; February 1998.

- **Invited Speaker:** Fellow's Science Day, California Academy of Sciences, "Invasive plants in the San Francisco Bay Estuary - patterns and prospects"; February 1997.

Publications

- Parker, V.T., M.C. Vasey, J.E. Keeley. In review. *Arctostaphylos*. Jepson Manual, 2nd Edition.
- Parker, V.T., M.C. Vasey, J.E. Keeley. 2009. Volume VIII. *Arctostaphylos*: Flora of North America, Missouri Botanical Garden. Pp. 406-445.
- Parker, V.T., J.C. Callaway, L.M. Schile, E.R. Herbert, M.C. Vasey. Potential Impacts of Climate Change on Bay-Delta Marsh Vegetation. Poster, CNPS Conservation Conference, January 2009
- Vasey, M.C. and V.T. Parker. 2008. A newly described species of *Arctostaphylos* (Ericaceae) from the central California Coast. *Madroño* 55(3): 238-243
- Vasey, M.C., J.C. Callaway, V.T. Parker, E.H. Herbert, L.C. Schile. Shifting Composition of Tidal Marsh Plant Species along a Salinity Gradient in the San Francisco Bay-Delta, Poster, CalFed Conference, October 2008
- Parker, V.T., J.C. Callaway, L.M. Schile, E.R. Herbert, M.C. Vasey. Potential Impacts of Climate Change on Bay-Delta Marsh Vegetation. Poster, CalFed Conference, October 2008
- Vasey, M. C. and K.D. Holl. 2007. Ecological restoration in California: Challenges and prospects. *Madroño* 54: 215-224.
- Keeley, J., M.C. Vasey, V.T. Parker. 2007. Sub-specific variation in the widespread, burl-forming *Arctostaphylos glandulosa*. *Madroño* 54(1): 148:155.
- Parker, V.T., M.C. Vasey, J.E. Keeley. 2007. Taxonomic revisions in the genus *Arctostaphylos* (Ericaceae). *Madroño* 54(2): .
- Vasey, M. 2004. President's Report for Volume 51. *Madroño* 51(4): 316-317.
- Schile, L., V. T. Parker¹, D. Benner¹, L. Wainer, K. Tuxen, A. Langston, M. Vasey, and J. Callaway. 2004. Evaluation of vegetation sampling methods for brackish tidal wetlands. Poster, Third Biennial CALFED Science Conference, Sacramento Convention Center, Sacramento, CA.
- Schile, L., V.T. Parker, J. Callaway, M. Vasey, K. Tuxen, D. Stralberg, N.M. Kelly, J. Schweitzer, and S.W. Siegel. 2004. Quantifying Tidal Marsh Channel Density and Distance as a Tool for Describing Vegetation Patterns. Poster, Third Biennial CALFED Science Conference, Sacramento Convention Center, Sacramento, CA.
- Parker, V.T., L. Schile, D. Benner, A. Langston, L. Wainer, M. Vasey, and J. Callaway. 2004. Comparative vegetation development in different aged brackish tidal wetlands along the lower Napa River, San Francisco Estuary, California. Poster, Third Biennial CALFED Science Conference, Sacramento Convention Center, Sacramento, CA.

- Parker, V.T. and M.C. Vasey. 2004. *Arctostaphylos gabilanensis* (Ericaceae), a newly described auriculate-leaved manzanita from the Gabilan Mountains, California. *Madroño* 51(3): 321-324.
- Schile, L., V.T. Parker, M. Vasey, D. Benner, A. Langston, L. Wainer, J. Callaway. 2004. Comparative vegetation development in different aged brackish tidal wetlands along the lower Napa River, San Francisco Estuary, California. Poster, Ecological Society of America Annual Meeting, Portland, OR.
- Parker, V.T., M.C. Vasey, L.M. Schile, D. Benner, A. Langston, J. Callaway. 2004. Vegetation shifts along salinity/tidal gradients in a brackish-freshwater marsh of the San Francisco Bay/Delta. Poster, Ecological Society of America Annual Meeting, Portland, OR.
- Vasey, M. 2003. President's Report for Volume 50. *Madroño* 50(4): 316-317.
- Parker, V.T., G. Wahlert and M.C. Vasey. 2003. Morphological evidence for diploid hybrid origin of *Arctostaphylos gabilanensis*. Poster, 11th New Phytologist Symposium: Plant Speciation, St. Francis Xavier University, Antigonish, Nova Scotia, Canada.
- Vasey, M. 2003. Adaptive management – The future of Habitat Conservation Planning. Spring Issue, Linkages. Institute for Ecological Health.
- Vasey, M.C. and V.T. Parker. 2002. The manzanitas of California, also of Mexico and the World, by P.V. Wells: Book review. *Madroño* 49(1): 46-47.
- Vasey, M. (text) and D. Littschwager (photography). 2002. O! Manzanita: Right where you belong. *Bay Nature* January-March Issue.
- Vasey, M. 2002. Riparian and upland vegetation of the San Pedro Creek watershed. Technical report for the San Pedro Creek Watershed Coalition and the California Department of Fish and Game.
- Hileman, L.C., M.C. Vasey, and V. T. Parker. 2001. Phylogeny and biogeography of the Arbutioideae (Ericaceae): Implications for the Madrean-Tethyan hypothesis. *Systematic Botany* 26(1): 131-143.
- Vasey, M. 2001. On the Trail: Of hazelnuts, adder's tongue, and coastal scrub. *Bay Nature* April-June Issue.
- Vasey, M.C. and V.T. Parker. 1999. Nascent inflorescences in *Arctostaphylos pringlei*: Response to Keeley and Wells. *Madroño* 46(1): 51.
- Markos, S., L.C. Hileman, M.C. Vasey and V.T. Parker. 1999. Phylogeny of the *Arctostaphylos hookeri* complex (Ericaceae) based on rDNA data. *Madroño* 45(3): 187-199.
- Vasey, M. 1998. Baseline inventory of the terrestrial vegetation of the Presidio. Technical Report for Legacy Natural Heritage Program and the National Park Service.
- Vasey, M. 1996. The perils of *Potentilla hickmanii*. *Fremontia* 24 (1): 3 - 11.
- Ornduff, R. and M.C. Vasey. 1995. The flora and vegetation of the Marin Islands. *Madroño* .
- Vasey, M.C. 1994. Biological Assessment of Pedro Point Headland, San Mateo County, CA. Unpublished report to the Pacifica Land Trust, Pacifica, CA .

- Vasey, M.C. 1991. The evolution of *Lasthenia maritima* (Asteraceae), an endemic of seabird breeding habitats. Master's Thesis, San Francisco State University.
- Crawford, D.J., R. Ornduff, and M.C. Vasey. 1985. Allozyme variation within and between *Lasthenia minor* and its derivative species, *Lasthenia maritima* (Asteraceae). *American Journal of Botany* 72: 1177 - 1184
- Vasey, M.C. 1985. The specific status of *Lasthenia maritima* (Asteraceae), an endemic of seabird-breeding habitats. *Madroño* 32:131-142.
- Vasey, M.C. 1984. Vernal pools, seabird rocks, and a remarkable species of *Lasthenia*. In S. Jain and P. Moyle, eds., *Vernal pools and intermittent streams: a symposium sponsored by the Institute of Ecology, Univ. California, Davis, 9 and 10 May 1981*. Institute of Ecology Publ. No. 28.
- Lester, G.S., M.C. Vasey, W.E. Rodstrom. 1981. *Cochlearia officinalis*: Noteworthy Collection. *Madroño* 28(2): 86.
- Vasey, M.C. 1980. Natural hybridization between two evergreen black oaks in the north central coast ranges of California. pp. 30 - 35 in T.R. Plumb (Ed.) *Proceedings of the symposium on ecology, management, and utilization of California oaks*. USDA Forest Service. PSW Forest & Range Station General Technical Report PSW 44.

Teaching Experience

Courses Taught as Lecturer at San Francisco State University Since 1995:

- Biology 150 (World of Plants)
- Biology 300 (Nature Studies)
- Biology 310 (Biology for Today's World)
- Biology 314 (Ecological Stewardship)
- Biology 315 – Tiburon Center (Conserving Biodiversity in the San Francisco Bay)
- Biology 315 – Sierra Nevada Field Campus (Conserving Biodiversity in the N. Sierra)
- Biology 318 (Our Endangered Planet – Lead lecturer since 1995)
- Biology 317 (Ecology of California – 2010)
- Biology 530 (Conservation Biology)
- Environmental Studies 300 (Introduction to Environmental Studies)
- Environmental Studies 680 (Internship)
- Environmental Studies 690 (Senior Seminar)

Currently teaching Biology 317 at San Francisco State – enrollment is 56 students

Teaching Assistant

- ENV5 260 Restoration Ecology Fall 2006 (Dr. K. Holl, UC Santa Cruz)

Workshops Taught:

- Co-Instructor: Parker, V.T. and M.C. Vasey, Jepson Herbarium Weekend Workshop on *Arctostaphylos*, CSU Monterey Bay, January 2008
- Co-Instructor: Parker, V.T. and M.C. Vasey, Sonoma County Manzanitas, January 2007
- Instructor: M.C. Vasey, Wetland Plant Identification, Wetlands Science Series, Romberg Tiburon Center, San Francisco State University, August 2006
- Co-Instructor: Parker, V.T. and M.C. Vasey, Jepson Herbarium Weekend Workshop on *Arctostaphylos*, Hastings UC Reserve, CA, January, 2006
- Co-Instructor: Parker, V.T. and M.C. Vasey, Jepson Herbarium Weekend Workshop on Instructor: M.C. Vasey, Wetland Plant Identification, Wetlands Science Series, Romberg Tiburon Center, San Francisco State University, August 2005
- *Arctostaphylos*, Hastings UC Reserve, CA, January, 2004
- Co-Instructor: Parker, V.T. and M.C. Vasey, Jepson Herbarium Weekend Workshop on *Arctostaphylos*, Hastings UC Reserve, CA, January, 2002
- Co-Instructor: Parker, V.T. and M.C. Vasey, Jepson Herbarium Weekend Workshop on *Arctostaphylos*, Hastings UC Reserve, CA, January, 2000
- Co-Instructor: Parker, V.T. and M.C. Vasey, Jepson Herbarium Weekend Workshop on *Arctostaphylos*, Berkeley, CA, January, 1998
- Co-Instructor: Parker, V.T. and M.C. Vasey, Jepson Herbarium Weekend Workshop on *Arctostaphylos*, Berkeley, CA, January, 1995

Public Service Activities

- California Botanical Society (President 2003-2006) 1990 - Present
- Pacifica Land Trust, Board Member, President (2000-2003) 1997- Present
- Board Member, San Pedro Creek Watershed Coalition 1998 -Present
- Board Member, Institute for Ecological Health (Nonprofit) 1993 - Present
- Board Member, Save San Francisco Bay Association 1992 – 2003
- Board Member, California Native Plant Society (San Mateo Conservation Chair, Yerba Buena Chapter) 1991- 2005
- City Council, City of Pacifica 1990 - 1992
- Steering Committee, Santa Cruz Mountain Region Bioregional Council 1990 - 1999
- Co-Chair, Open Space Committee, Pacifica 1988-1990
- Key Contact, Sierra Nevada Ecosystem Project 1994 - 1997