

Curriculum Vitae September 2012

Appointments

Assistant Research Professor, School of Life Sciences, Arizona State University	2009–
Instructor, School of Life Sciences, Arizona State University	2007–
Adjunct Professor, Dept of Natural Sciences, Scottsdale Community College	2010–2011
Adjunct Professor, School of Life Sciences, Arizona State University	2008–2009
Instructor, Barrett Honors College, Arizona State University	2007–2008
Instructor, Barrett Summer Scholars, Arizona State University	2006, 2008
Graduate Teaching Assistant, School of Life Sciences, Arizona State University	2001–2003
Natural Resources Planner, Arizona State Parks (statewide)	1993–2001
Field Biologist / NEPA Specialist, Gutierrez–Palmenberg Inc., Phoenix, AZ	1991–1993
Research Coordinator, Colorado State University Environmental Learning Center	1989–1991
Field Research Assistant, Theodore Roosevelt National Park, ND	1988
Production (manufacturing) Manager, Boulder Amplifiers, Boulder CO	1983-1986

Publications (Peer-reviewed journal articles and book chapters)

- Chew, M.K. 2012. [in press] Tamarisk Introduction, Naturalization and Control in the United States 1818-1952 IN A. Sher and M. Quigley EDS. *Tamarix: A Case Study of Ecological Change in the American West*. New York: Oxford University Press.
- Makings E., L. Butler, M. Chew, & J. Stromberg. 2011. Noteworthy collections from Tempe Town Lake Riverbed. *Desert Plants* 27(1):3-10.
- Davis, M.A., M.K. Chew, R.J. Hobbs, A.E. Lugo, J.J. Ewel, G.J. Vermeij, J.H. Brown, M.L. Rosenzweig, M.R. Gardener, S.P. Carroll, K. Thompson, S.T.A. Pickett, J.C. Stromberg, P. Del Tredici, K.N. Suding, J.G. Ehrenfeld, J.P. Grime, J. Mascaro and J.C. Briggs. 2011. Don't judge species on their origins. *Nature* 474:153-154. DOI:10.1038/474153a
- Chew, M.K. 2011. Anekeitaxonomy: Botany, Place and Belonging. IN I.D. Rotherham and R.A. Lambert, EDS. *Invasive and Introduced Plants and Animals: Human Perceptions, Attitudes and Approaches to Management*. London: Earthscan.137-152.
- Chew, M.K. 2011. Invasion Biology: Historical Precedents IN D. Simberloff and M. Rejmánek, EDS. *Encyclopedia of Biological Invasions*. Berkeley: University of California Press. 369-375
- Chew, M.K. and A.H. Hamilton. 2011. The Rise and Fall of Biotic Nativeness: A Historical Perspective. IN D. Richardson, ED. *Fifty Years of Invasion Ecology*. Oxford: Wiley-Blackwell. 35-47.
- Chew, M.K. 2009. The Monstering of Tamarisk: How scientists made a plant into a problem. *Journal of the History of Biology* 42:231-266. DOI 10.1007/s10739-009-9181-4
- Stromberg, J.C., M.K. Chew, P.L. Nagler, and E.P. Glenn, 2009. Changing Perceptions of Change: The Role of Scientists in *Tamarix* and River Management. *Restoration Ecology* 17:177-186. DOI 10.1111/j.1526-100X.2008.00514.x
- Chew, M.K. & M.D. Laubichler, 2003. Natural Enemies—Metaphor or Misconception? *Science* 301:52-53.
- Stromberg, J.C. & Chew, M.K. 2003. "Flood pulses and restoration of riparian vegetation in the American southwest." pp 11-49 IN B.A. Middleton, ED. *Flood Pulsing in Wetlands: Restoring the Natural Hydrological Balance*. New York: John Wiley & Sons. 11-49.
- Stromberg, J.C. & M.K. Chew 2002. "Foreign visitors in riparian corridors of the American Southwest: Is xenophytophobia justified?" pp 195-219 IN B. Tellman, ED. *Invasive Exotic Species in the Sonoran Region*. Tucson: University of Arizona Press.
- Stromberg, J.C. and M.K. Chew, 1997. Herbaceous Exotics in Arizona's Riparian Ecosystems. *Desert Plants* 13:11-17.

Publications (Other articles, issue papers, reports and commentaries)

- Chew, M.K. 2012. The Positively Biased Life. Invited guest commentary, *Journal of Ecology Blog*, British Ecological Society. 23 May 2012. <http://jecologyblog.wordpress.com/2012/05/23/the-positively-biased-life/>
- Chew, M.K. & S.P. Carroll. 2011. The Invasive Ideology. *The Scientist*. <http://the-scientist.com/2011/09/07/opinion-the-invasive-ideology>.
- Chew, M.K. 2010. Culling Lionfish Doesn't Actually Improve Nature. *Scuba Diving* 19(2):73-74.
- Chew, M.K. 2009. "Good Ideas at the Time: Historians Look at Ecology." Symposium Report, *Bulletin of the Ecological Society of America* 90:142-152.
- Chew, M.K. 2008. Alien grasses are finding new homes in Arizona. *High Country News* July 16, 2008. www.hcn.org/wotr/15802.
- Chew, M.K. 2006. Global Warming: Life as We'll Know It. *History News Network* www.hnn.us/articles/30149.html.
- Chew, M.K. 2005. 'Alien' grasses just another desert migrant ('My Turn' Op Ed) *Arizona Republic* 11 October 2005. <http://www.azcentral.com/arizonarepublic/opinions/articles/1011chew11.html>
- Stromberg, J.C., S.J. Lite, & M.K. Chew, 2003. Alien plants and riparian ecosystem restoration: The *Tamarix* case. (invited feature) *Southwest Hydrology* 2(2): 22-23
- Stromberg, J.C. & M.K. Chew. 2003. Fire and riparian ecosystems. (invited feature) *Southwest Hydrology* 2(2): 23
- Chew, M.K. 2000 Book Review: "Chance and Change: Ecology for Conservationists" by W.H. Drury. *Restoration Ecology* 8(2):209
- Chew, M.K. 2000. Essay/Op Ed: 'A Theme Park Grows Beneath the Ground' *Boston Globe*, 6 Feb 2000. (Also published as "When is a Cave Not a Cave?" *Australasian Journal of Cave and Karst Management*.)
- Stromberg, J.C. and M.K. Chew. 1999. Restoration of riparian ecosystems in the arid Southwest: Challenges and opportunities. IN P. Shafroth, B. Tellman & M. Briggs, Eds. *Riparian Ecosystem Restoration in the Gila Basin: Opportunities and Constraints*. Water Resources Research Issue Paper 21. Tucson: University of AZ.
- Patten, D., J. Stromberg, M. Scott and M. Chew. 1997. Sustainability of Western Riparian Ecosystems in Minckley, W.L. ED. *Aquatic Ecosystems Symposium: Report to the Western Water Policy Review Advisory Commission*. Arizona State University, Tempe.
- Chew, M.K. 1989. Great-tailed Grackle at Fort Collins, Colorado, November 24, 1989 (Photo Credit). *American Birds* 44:133.

Current Citations:

In journal articles: **165** In Books: **57** In Theses/dissertations: **14** Other (online, gray literature, etc.): **51**

Publications (Encyclopedia entries)

- Chew, M.K. 2012. "Species Extinction." IN S.G. Philander, ED. *Encyclopedia of Global Warming and Climate Change*. 2nd Edition. Thousand Oaks: Sage Publications.
- Chew, M.K. 2012. The Balance of Nature. IN B. Black, ED. *Climate Change: An Encyclopedia of Science and History*. Oxford: ABC-CLIO.
- Chew, M.K. 2011. The Emergence of the American Ranch. IN A. Andrea and C. Neel, et al., EDS. *World History Encyclopedia*. Oxford: ABC-CLIO.
- Chew, M.K. 2008. "Species Extinction." IN S.G. Philander, ED. *Encyclopedia of Global Warming and Climate Change*. Thousand Oaks: Sage Publications. 921-927.

Chew, M.K. 2008. "Climatic Data, Lake Records. IN S.G. Philander, ED. *Encyclopedia of Global Warming and Climate Change*. Thousand Oaks: Sage Publications. 238-239.

Chew, M.K. 2001. "Riparian Ecosystems: Are southwestern riparian ecosystems being managed effectively?" pp. 212-218 IN F. Miller, ED. *Water and the Environment: Global Perspectives*. Chicago: St. James Press. 212-218.

Invited Presentations and Panels

Presentation: *The Mis-metaphors of Biological Invasion, Invasiveness and Invasibility*. University of Nevada, Ecology, Evolution, and Conservation Biology Colloquium Series. Reno, NV Spring 2013 (date pending).

Moderator: Film discussion panel, *Watershed: Exploring a new water ethic for the New West*. Arizona State University, Global Institute of Sustainability and the Arizona Riparian Council, Tempe AZ, 27 September 2012.

Panelist: *Science Magazine*, ScienceNOW Live Chat: Invasive Species—Threats or Just Misunderstood? 26 July 2012. <http://news.sciencemag.org/sciencenow/2012/07/live-chat-invasive-species--thre.html>

Panelist: *Adopting and Adapting a Father: Charles Elton's Meaning to Invasion Biology*. University of Sydney Environmental Humanities Group Conference: Rethinking Invasion Ecologies: Natures, Cultures, and Societies in the Age of the Anthropocene. Sydney, NSW, Australia. June 2012.

Plenary panelist: *The Surprising History of Biological Invasions: Certain uncertainties, philosophical failures and metaphorical mistakes*. American Fisheries Society, Idaho Chapter Conference, Coeur d'Alene Idaho, March 2012.

Presentation: *Pragmatic Environmentalism*. Arizona Association of Environmental Professionals. Scottsdale, AZ, 24 May 2011.

Panelist: Second Annual 21st Century Challenges for Conservation Biology. Central Arizona Chapter, Society for Conservation Biology. Tempe, AZ April 2011.

Presentation: *Where Natives Come From*. Northern Arizona University, Forestry Graduate Students Association Seminar Series. Flagstaff, AZ, 27 October 2010. <http://www.for.nau.edu/mosaddphp/Seminar/Recordings/101027/MattChew.html>

Presentation: *Phytogeography: 175 Years of Negative Nativeness*. From Linnaeus to the Encyclopedia of Life: Tracking Diversity in the Natural World. MBL-ASU History of Biology Summer Seminar. Woods Hole, MA May 2010.

Panelist: 21st Century Challenges for Conservation Biology. Society for Conservation Biology, Central Arizona Chapter. Tempe, AZ April 2010.

Presentation: *No Place Like Home: The Competing Social Metaphors of Ecological Science*. University of Tasmania: School of Government and Environment Centre special joint symposium. Hobart, Australia, July 2009.

Keynote Presentation *The Dagger and the Asterisk*. Symposium: "Fifty years of Invasion Ecology – the Legacy of Charles Elton." Stellenbosch, South Africa. November 2008.

Presentation: *Is it Really an Invasion?* McDowell Sonoran Conservancy, Scottsdale AZ, June 2007.

Presentation: *Monsters from Another World: Arizona Aliens*. Desert Botanical Garden, Phoenix AZ, July 2002. (With J.C. Stromberg)

Meetings, Workshops, Conferences, and Symposia: Contributed Presentations and Posters

Changing conservation goals and strategies: A succession of failed metaphors? (Symposium Paper) Ecological Society of America Annual Meeting, Portland OR August 2012.

Natives and Aliens: Not Even a Good Idea. 30th Public Interest Environmental Law Conference, Eugene, Oregon, March 2012.

- Prescriptive Political Biogeography: National Identity and 'Invading Alien' Species.* Nature and Nation Network Second Workshop: The State of Nature. Bucharest, Romania, December 2011.
- The Last Nineteenth Century Naturalist: Charles Elton's Visits to the American Tropics.* International Society for the History, Philosophy, and Social Studies of Science Biennial Meeting, Salt Lake City, Utah July 2011.
- Found then Drowned: Three Noteworthy Collections from Tempe Town Lake.* 8th Arizona Botany Meeting. E. Makings, L. Butler, Matthew Chew & Juliet Stromberg; presented by Elizabeth Makings. Phoenix AZ, February 2011.
- A Modified Kind of Man and a Modified Kind of Nature: Charles Elton's Vision of Millennial Conservation.* History of Science Society Annual Meeting, Montreal Quebec November 2010.
- Biotic Nativeness: A historical look at a "simply negative" idea.* School of Life Sciences Seminar Series, Arizona State University, Tempe, AZ. October 2009.
- Anekeitaxonomy: Botany, Place and Belonging.* World Congress of Environmental History, Copenhagen, Denmark, August 2009.
- Tamarisk: Five Framings.* International Society for the History, Philosophy, and Social Studies of Science Biennial Meeting, Brisbane, Australia, July 2009.
- Tamarisk: From Good and Pretty to Bad and Ugly* (invited conference dinner presentation) Arizona Riparian Council Annual Meeting, Camp Verde, Arizona. April 2009.
- The Role of Scientists in Tamarisk and River Management: Perpetuation of a Mythology* (poster, with J. Stromberg, P. Nagler and E. Glenn). Tamarisk and Russian Olive Research Conference, Reno, NV February 2009; Arizona Riparian Council Meeting, Camp Verde, AZ, April 2009; Ecological Society of America Annual Meeting, Albuquerque, NM, August 2009.
- Ecology and the De-Natured World.* (Symposium Paper). Ecological Society of America Annual Meeting, Milwaukee, WI August 2008.
- Invasion Biology's Forgotten Forerunners* (poster). Ecological Society of America / Society for Ecological Restoration; Joint Annual Meeting, San Jose, CA August 2007. ALSO AT Symposium: "Fifty years of Invasion Ecology – the Legacy of Charles Elton." Stellenbosch, South Africa. November 2008.
- H.C. Watson and the Civil Claims of "British" Plants,* International Society for the History, Philosophy, and Social Studies of Science Biennial Meeting, Exeter, UK, July 2007.
- 5000 Years of Tamarisk in 5 Minutes.* Special Session Panel, Ecological Society of America Annual Meeting, Memphis, TN August 2006.
- Anekeitaxonomy: Biologizing Belonging.* Southwest Colloquium in the History and Philosophy of the Life Sciences, Davis, CA March 2006.
- The Anti(?) -Aesthetics of Invasion Biology.* International Society for the History, Philosophy, and Social Studies of Science Biennial Meeting, Guelph, Ontario, Canada July 2005.
- Nativeness Considered* (with Andrew L. Hamilton, UC San Diego) Southwest Colloquium in the History and Philosophy of the Life Sciences, Tempe AZ March 2005
- Endangered with Criticized Habitat: A Bird in the Wrong Bush.* American Society for Environmental History Annual Meeting, Victoria, British Columbia, April 2004.
- The Costs of Caricature: Is Invasion Biology Exploiting Science Illiteracy?* (Poster) American Institute of Biological Sciences (AIBS) Annual Meeting, Washington, DC, March 2004.
ALSO AT Gordon Research Conference on Science and Technology Policy, Big Sky, MT August 2004.
- Biological Invasions as Ecological (and other) Models* (with M.D. Laubichler) Southwest Colloquium in the History and Philosophy of the Life Sciences, Austin, TX March 2004.
- The Stone that the Builders Rejected: Marston Bates, Charles Elton and the Foundations of Invasion Ecology.* International Society for the History, Philosophy, and Social Studies of Science Biennial Meeting, Vienna, Austria, July 2003.

The Tangled Tale of Tamarix: A Study in Status, Southwest Colloquium in the History and Philosophy of the Life Sciences, Tempe, AZ February 2003.

The Invasion of the Second Greatest Threat, History of Science Society Annual Meeting, Milwaukee, WI, November 2002.

Regular College and University Courses Taught

The Darwinian Revolution (BIO346/HPS332): ASU School of Life Sciences. Fall 2012.

History of Biology: Conflicts and Controversies (BIO316/HPS330): ASU School of Life Sciences. Spring 2007, 2008, 2010, 2011, 2012.

Environmental Biology (BIO105): Scottsdale Community College. Fall 2010, Spring 2011

Life Sciences Career Paths (BIO189): Global Biodiversity Crisis (With J.C. Stromberg). Fall 2010

The Human Event II (HON273): Renaissance to Modern Literature, Science Emphasis. ASU Barrett Honors College. Spring 2008.

The Human Event I (HON171): Pre-Renaissance Literature. ASU Barrett Honors College. Fall 2007.

Graduate Seminar (BIO591): Biological Invasions. With J.C. Stromberg. ASU School of Life Sciences. Fall 2003.

History of Biology: Laboratory (BIO394) ASU School of Life Sciences. Spring 2002, 2003.

Introductory Biology: Laboratory (BIO100). ASU School of Life Sciences. Fall 2001, 2002.

Student Mentoring and Research Supervision

ASU School of Life Sciences, Master's Degree Committee Member

Caroline H. Appleton, *Environmental Values, Objectivity, and Advocacy: A Sociological Study of Academic Environmental Scientists* 2012.

Shelley L. Adams, *Comparison of Soil and Vegetation Properties Using Salt Extractor™ and Conventional Soil Amendments from Irrigation with Coal Bed Natural Gas Product Water*, Spring 2011

ASU School of Life Sciences, Biology and Society majors undergraduate projects:

Shawn B. Williams, *Adaptive Biosocial Radiation* Spring 2012

Johanna Hagstrom: *Eugenics*. Spring 2010.

Arielle Silverman: *Artificial Vision*. Spring 2006

ASU Barrett Honors College, Undergraduate Thesis Committee Member:

Deryc Painter. *European Collared Doves in Arizona*. Spring 2013

Jayne Ann Leemon. *Police Forces and the Judiciary as Political Tools: A Study of Democracy and Human Rights in Russia from 2005 to the Present*. Spring 2011

Mary Ellen Dupont, *Civilizing the Dark Continent: European Conceptions of Race during the Scramble for Africa*. Spring 2010

Joseph Monfeli. *Howls on All Sides: Wolf Dispersal, Reintroduction, and Management in the United States*. Spring 2010

ASU Barrett Honors College, Honors Contracts: The Darwinian Revolution

Fall 2012: Jacob Kuna, *Evolutionary Psychology*

ASU Barrett Honors College, Honors Contracts: History of Biology, Conflicts and Controversies

Spring 2012: Margaret Liu, *Andreas Vesalius and the Controversy behind De Humani Corporis Fabrica*;

Deryc Painter, *Leonardo Da Vinci: Anatomist and Father of Modern Medical Illustrations*;

Shoshanna Rutemiller: *Eugenics: The Scientific Influence on Madison Grant's The Passing of the Great Race*

Spring 2011: Erin Cooper: *Alzheimer's Disease, A Historical Approach*; Owen Davis: *Issues with Mathematics in Ecology*; Jessica Johnson: *Max Delbruck, Physicist, Biologist and Scientist*.

Spring 2010: Ida Araya: *The Microscope Business*; Ashley Daly: *Radioecology*.

Spring 2008: Caitlin Joseph: *History of Science in High School Biology—Necessary or Superfluous?*;
Michael Wakin: *The French Connection—a Counterfactual Look at the Beginnings of Biology*;
Michael Young: *Charles Darwin's On the Origin of Species and Response by the Scientific
Community of Britain and the United States.*

Undergraduate Research Mentor: Shawn B. Williams *How Did World War Two Affect the Science of
Ecology in the United States?* 2003-4.

Other Courses Taught

Exploring Planet Barrett. Junior High School honors enrichment program. Barrett Summer Scholars. ASU
Barrett Honors College, Summer 2008.

Biology. Junior High School honors enrichment program. Barrett Summer Scholars. ASU Barrett Honors
College, Summer 2006.

Guest Lectures and Teaching Participation

Lecture: *Issues with Introduced Species.* BIO320: Biology and Society (Manfred Laubichler) October 2012
(scheduled).

Lecture: *Living with Lionfish.* BIO189: Ethics, Ecology and Conservation (Ben Minter) ASU School of Life
Sciences. November 2011.

Lecture: *Evolution, Ecology and Conservation.* BIO345: Organic Evolution (Grant Yamashita). ASU School
of Life Sciences. August 2011.

Lecture: *Natives and Conservation Biology.* BIO412: Conservation in Practice (Ben Minter) ASU School
of Life Sciences. February 2010.

Lecture: *Conservation and Evolution: Can we have both?* BIO345: Organic Evolution (Grant Yamashita).
ASU School of Life Sciences. June 2009.

Guest Lecture: *Invasion Biology.* BIO394 Environmental Ethics (Ben Minter) ASU School of Life
Sciences. November 2007.

Discussion Panel Member: *Varmints.* Bioethics in Film Series. ASU School of Life Sciences. August 2007.

University and Professional Service (including conference planning and organizing)

Founding editorial board member: *Æcology: International Review of Environmental History.* Australian
National University Press and E Press (now organizing).

Birding Group Leader: "SOLS Takes a Hike" Gilbert Riparian Institute, Gilbert AZ 21. April 2012

Contributor: Arizona State University School of Life Sciences "Ask a Biologist" online.
<http://askbiologist.asu.edu>. 2009-2012

Roundtable Chair/Moderator: Historical Perspectives on Invasive Species. American Society for
Environmental History Annual Meeting, Madison, WI March 2012

Session Chair: *Induction, Error, and Context: Problems in the Philosophy of Science.* History of Science
Society Annual Meeting, Phoenix, AZ November 2009.

Member, Meeting Organizing Committee: History of Science Society Annual Meeting, Phoenix, AZ
November 2009.

Research Talk: *History of Biology.* ASU School of Life Sciences SOLUR (undergraduate research
experience) Summer Program, Saguaro Lake, AZ. July 2009.

Symposium Organizer and Chair: *Good Ideas at the Time: Historians Look at Ecology.* Ecological Society
of America Annual Meeting, Milwaukee, WI August 2008.

Session Organizer: *Biota, Biology, Place, and Belonging.* International Society for the History, Philosophy,
and Social Studies of Science Biennial Meeting, Exeter, UK, July 2007.

Symposium Poster Session Judge, ASU School of Life Sciences, Graduates in Earth, Life and Social
Sciences (GELSS), February 2007.

Panel Moderator: How Can Ethics Guide Environmental Policy? Western Regional Bioethics Conference
Tempe AZ February 2005

Ex Officio Student Member: Undergraduate Curriculum Committee, ASU School of Life Sciences, 2005-6

Planning Committee Member: Gordon Research Conference on Science and Technology Policy, Big Sky
Resort, MT August 2004

Session Co-chair: *Posters*. Gordon Research Conference on Science and Technology Policy, Big Sky
Resort, MT August 2004.

Ex-Officio Student Member: Graduate Curriculum Committee, ASU Department of Biology, 2003-4.

Session Chair: *Endangered Species, Threatened Paradigms: A Fresh Look at the Recovery of Vanishing
Wildlife*. International Society for the History, Philosophy, and Social Studies of Science Biennial
Meeting, Vienna, Austria, July 2003.

At Large Board Member: Arizona Riparian Council, 1994-2002.

Session Chair: *Ecology*. Third Conference on Research & Resource Management in Southwest Deserts,
Tucson AZ, May 2000

Planning Committee Member, Third Conference on Research & Resource Management in Southwest
Deserts, Tucson AZ, 1999-2000.

Plenary Session Chair / Commentator, AZ Riparian Council Conference, Yuma, AZ, April 1999.

Committee Member: Education and Outreach. Natural Areas Association, 1998-1999.

Natural Resources Management Planning and Programming

Spur Cross Ranch Acquisition Reconnaissance and Evaluation Team Member: AZ State Parks. 1999.

Statewide Potential Acquisitions Reconnaissance and Evaluation Team Member: AZ State Parks 1999.

Agency Participation Team member. Sonoran tiger salamander (*Ambystoma tigrinum stebbinsi*)
Recovery Plan. U.S. Fish and Wildlife Service, Phoenix, Arizona. 1999-2001.

Contract Manager: Kartchner Caverns Bat Management Plan. AZ State Parks/University of AZ 1998-1999

Negotiation Team Member: San Rafael Ranch Acquisition. AZ State Parks/The Nature Conservancy 1998.

Coordinator: Natural Areas Program. AZ State Parks. 1997-2000.

Project Manager, Sonoita Creek Breeding Bird Survey. AZ State Parks. 1994.

AZ State Parks Representative,; Arizona Riparian Areas Advisory Committee. 1993-95

Coordinator: Streams and Wetlands Program. AZ State Parks. 1993-1995.

Project Manager, Field Biologist and Archaeology Survey Assistant: San Carlos Irrigation Project Electric
Power System Divestiture Proposal Environmental Assessment. Gutierrez-Palmenberg Inc. for U.S.
Bureau of Indian Affairs. 1992-1993.

Field Biologist and Archaeology Survey Assistant: road improvement projects. Gutierrez-Palmenberg Inc.
for AZ Department of Transportation 1991-1993

Field Biologist and Bat Impact Avoidance Subproject Manager: UAV-SR Competition Environmental
Assessment. Gutierrez-Palmenberg Inc. for U.S. Army Fort Huachuca Garrison. 1991-93.

Volunteering, Issue Advocacy, Related Activities

Founding member, Rangers for Responsible Recreation (off-road vehicle ethics and enforcement) 2007- .
<http://www.peer.org/campaigns/publiclands/orv/rangers.php>

Participant: Arizona Field Ornithologists Rosy-faced Lovebird Census. 2010.
<http://www.azfo.org/pfLoveBird/pfloMain.html>

Participant: North American [Bird] Migration Count, Maricopa County 2006-2012

Participant: Arizona Breeding Bird Survey. 1994.

Founding Coordinator, Phoenix Zoo Migratory Waterfowl Census. 1992-93

Area Leader and/or Participant: National Audubon Society Christmas Bird Counts (Salt/Verde River; Gila
River; Carefree; AZ) 1991, 1993-2006

Grants and Awards Received:

Travel Grant. History of Science Society, 2010.
Travel Grants. ASU Center for Biology & Society. 2007, 2008, 2009, 2010, 2011, 2012.
Student Travel Grants. ASU Center for Biology & Society. 2002, 2003, 2004, 2005, 2006.
Student Travel Grants. International Society for the History, Philosophy and Social Studies of Biology, 2003, 2005.
Dibner Institute Summer Seminar Travel Grant, 2003.
ASU Graduate College Student Travel Grant, 2002.
ASU Biology Department Student Travel Grant, 2002.
Outstanding Senior in Environmental Interpretation. Colorado State University School of Forestry and Natural Resources, 1990.
Colorado Scholars Award. Colorado State University, 1987

Education

Ph.D. 2006. Biology (Biology and Society emphasis) Arizona State University, School of Life Sciences, Tempe, AZ. Dissertation: *Ending with Elton: Preludes to Invasion Biology*.
M.S. 1991. Range Science (Ecology concentration, non-thesis option) Colorado State University, Fort Collins, CO. Publication resulting: *Bank Balance: Managing Colorado's Riparian Areas*. Colorado State University Cooperative Extension Bulletin 553b.
B.S. 1990. Recreation Resources Management (Environmental Interpretation concentration) Colorado State University, Fort Collins, CO.
Undergraduate Study Abroad. 1989. Recreation and Tourism, American Universities International Program at University of Edinburgh Geography Department, Scotland.

Media Appearances, Quotations and Mentions (partial chrono)

Quoted: Ecology biased against non-native species? EU Science News 4 October 2011.
<http://www.science-news.eu/ecology-news/cluster81435/>
Invited Live Guest: *The Current*: Biological Bias. Canadian Broadcasting Corporation Radio 1, 4 August 2011. <http://www.cbc.ca/thecurrent/episode/2011/08/04/biological-bias/>
Quoted: McKinnon, S. 2010. Outside species threaten Arizona's native wildlife. *Arizona Republic* 12 July 2010. <http://www.azcentral.com/arizonarepublic/news/articles/2010/07/12/20100712arizona-wildlife-invaders.html>
Quoted: Invasive Species: The Bad Guy? Science Today 15 June 2011.
<http://www.calacademy.org/sciencetoday/invasive-species-the-bad-guy/>
Quoted: Ecology biased against non-native species. *Terra Daily* 13 June 2011.
http://www.terradaily.com/reports/Ecology_biased_against_non_native_species_999.html
also at eBioNews <http://174.132.168.49/news-center/general-research/plant-sciences/39227-ecology-biased-against-non-native-species.html>
Quoted: Give invasives a chance. Minnesota Public Radio News, 10 June 2011.
http://minnesota.publicradio.org/collections/special/columns/news_cut/archive/2011/06/give_invasives_a_chance.shtml
Quoted: Taylor, M. 2011. Speaking of exotics and their origins. ESA Ecotone 10 June 2011.
<http://www.esa.org/esablog/ecologist-2/speaking-of-species-and-their-origins/>
Quoted: Bauer, S. Non-native species: enemies or victims? Green Space blog.
<http://www.philly.com/philly/blogs/greenliving/Non-native-species-enemies-or-victims-.html>
Quoted: Ecology Biased Against Non-Native Species? *Science Daily* 9 June 2011.
<http://www.sciencedaily.com/releases/2011/06/110608153538.htm>

- Quoted: Ecologists Issue a Call to End the Bias Against Invasive Species. *Treehugger*. 9 June 2011.
<http://www.treehugger.com/files/2011/06/ecologists-issue-a-call-to-end-the-bias-against-invasive-species.php>
- Quoted: Invasive species seen as getting bad rap. *UPI Science News*. 8 June 2011.
http://www.upi.com/Science_News/2011/06/08/Invasive-species-seen-as-getting-bad-rap/UPI-53231307579620/
- Quoted: Lamberton, M.L. 2011. The Thirsty Tree: Confronting Invasive Salt Cedar in the American Southwest. *Terrain.org*. <http://www.terrain.org/articles/27/lamberton.htm>
- Quoted: Tamarisk Eradication Halted to Protect Endangered Bird. *CBS News*. 22 June 2010.
http://www.cbsnews.com/8301-501465_162-20008435-501465.html
- Quoted: Gruver, M. 2010. Fed stops using beetles vs. saltcedar. [Wyoming] *Trib.com*.
http://trib.com/news/state-and-regional/article_c0a0584e-86e9-5783-ac19-3c9b60e51bf7.html
- Quoted: McKinnon, S. 2010. Outside species threaten Arizona's native wildlife.
<http://www.azcentral.com/news/articles/2010/07/12/20100712arizona-wildlife-invaders.html>.
- Mentioned: Tuhus-Dubrow, R. 2009. Don't Sweat the Invasion: Why foreign plants and animals may not be that bad. *Slate*. http://www.slate.com/articles/health_and_science/green_room/2009/11/dont_sweat_the_invasion.html.
- Quoted: Israel, B. 2011. Stop and Frisk the Roses: Customs Agents Eye Valentines Flowers for Pests. *Our Amazing Planet*. <http://www.ouramazingplanet.com/valentines-flowers-invasive-species-110210-1093/>
- Quoted: McKinnon, S. 2010. Outside species threaten Arizona's native wildlife. *Arizona Republic* 12 July 2010. <http://www.azcentral.com/arizonarepublic/news/articles/2010/07/12/20100712arizona-wildlife-invaders.html>
- Mentioned: Borrell, B. 2009. Alien Invasion? An Ecologist Doubts the Impact of Exotic Species. *Scientific American* 14 August 2009. <http://www.scientificamerican.com/article.cfm?id=alien-invasion-ecologist-doubts-exotic>
- Quoted: Purtill, C. 2007. Off-roaders taking a toll on public land. *Arizona Republic* 31 July 2007.
<http://www.azcentral.com/arizonarepublic/news/articles/0731offhighway0731.html>