

Susan Power Bratton
Chair of Environmental Science
Baylor University
Curriculum Vitae
February 2008

EDUCATION

Degrees and certificates

Ph.D., Arts and Humanities, University of Texas at Dallas, 1997

Ph.D., Ecology, Cornell University, Ithaca, NY, 1975

M.A., Theology, Fuller Seminary, Pasadena, CA, 1987

Graduate Certificate, Environmental Ethics, University of Georgia, Athens, 1985

A.B. *cum laude*, Biology, Barnard College, Columbia University, New York, 1970

ENVIRONMENTAL AND ECOLOGICAL TEACHING AND RESEARCH POSITIONS

Chair of Environmental Science/Studies, Baylor University, Waco, TX, 2001-present

Professor of Environmental Studies, 2003-present

Fellow Institute for Studies of Religion, 2005-present

Associate Professor of Environmental Studies, 2001-2003

Graduate Faculty, Arts and Sciences, 2001-present

Lindaman Chair of Science, Technology and Society, 1995-2001

Whitworth College, Spokane, WA

Professor of Biology 1991-1992

Messiah College, Grantham, PA

Cooperative Leader, US National Park Service Cooperative, 1981-1991

at Institute of Ecology, University of Georgia, Athens, GA

Associate Professor

Graduate Faculty, School of Forestry

Graduate Faculty, School of Environmental Design

Faculty of Environmental Ethics

Coordinator, Uplands Field Research Laboratory, 1974-1981

Great Smoky Mountains National Park, TN

Adjunct Assistant Professor, Ecology Faculty, 1979-1982

University of Tennessee, Knoxville, TN

Cornell University, Ithaca, New York

Teaching Assistant, Plant ecology, general ecology, 1972-1975

Barnard College, Columbia University

Laboratory Assistant, general biology, 1969-1970

ADDITIONAL TEACHING EXPERIENCE AND TRAINING

Additional teaching experience

Associate Professor of Religion Studies, 1992-1994

University of North Texas, Denton, TX

AuSable Trails Environmental Institute, Mancelona, Michigan

Professor, Environmental Ethics, 1985-present

Additional science course work and summer courses in ecology

Organization for Tropical Studies, Rocky Mountain Biological Laboratory, University of Delaware, Kindrogen Field Centre (Scotland), University of Wyoming through Teton Science School,

Additional courses in humanities, languages, and theology

Institute for Holy Land Studies, Goethe Institute Berlin, Brite Seminary, Princeton Seminary, Wheaton College, University of Minnesota, Ohio University, University of Georgia, University of Maryland, Liberty College, Regent University

HONORS AND AWARDS

Personal

Summer Scholar Award for Vermont Law School (with summer residence on campus)

Book presented in Baylor Twelfth Annual Creations Exhibit

Senior author Undergraduate Environmental SACS Report 2007 – Exemplary rating

Senior author Graduate Environmental SACS report 2007 - Exemplary rating

Senior author of winning all Baylor University Quality Enhancement Proposal, on forming a program to stimulate undergraduate research – 2006

Top Five Courses in Environmental Science/Studies – 2003, 2004, 2005, 2006, 2007

Episcopal Communicators (1998) – The Polly Bond Award of Excellence

For photographic essay in *Virginia Seminary Journal*

University of Texas (1997) - Distinguished Pass, Dissertation Defense

University of Texas (1996) - Distinguished Pass, Admission to Candidacy

National Park Service Special Achievement Award (1991) - for administration of science projects, cash award

National Park Service Special Achievement Award (1987) - for planning of the Cumberland Sound monitoring program, cash award

National Park Service Training Commendation (1987) - for design of field exercises and lectures for a course in Historic Landscape Management

National Park Service Special Achievement Award (1986) - for design of a national resource management training program, cash award

US-USSR Scientific Exchange, Man and the Biosphere Program, (1982)

Men and Women of Distinction

Who's Who of American Women

International Who's Who of Women

Fulbright Fellowship Finalist (1976) (declined Fellowship)

Phi Kappa Phi

Degree with honors, Barnard College (1970)

Cornell University Fellowship (1970-1971)

EDUCATIONAL ACHEIVEMENTS, 2001 to present

Design of an interdisciplinary B.A. major, Environmental Studies, Baylor University, approved 2007

Design of a B.S. major, Environmental Sciences, Baylor University, approved 2003

Participation in funded strategic plan for Environmental Health Degree

Programs, approved 2007
 Participation in funded strategic plan for PhD program in Environmental,
 Ecological and Earth Science, approved 2007
 Author (with team) of funded QEP proposal, for Engaged Learning Groups and
 Undergraduate Initiative, approved 2007

NATIONAL BOARDS AND PANNELS, 2001 to present

Editorial boards - national

Editorial board, *Environmental Practice*; 1999 – present

Advisory boards and panels - national

Blue Ribbon panel for Ausable Institute, review of programs, March 2003

Dialog on Science, Ethics and Religion, Advisory Board, The American
 Association for the Advancement of Science, 2002-2007

ADMINISTRATIVE SERVICE, BAYLOR UNIVERSITY, 2001 to present

Chair of Environmental Science/Studies, 2001-present

Graduate Director of Environmental Studies, 2001-2005

Undergraduate Director of Environmental Studies/Science, 2001-2005, 2006-present

Advisory boards and all campus committees - Baylor University

Faculty Affiliate – Institute for Study of Religion

URSA faculty committee (Undergraduate research) 2007-present

Advisory Board for the Institute of Faith and Learning 2003--present

Honorary degrees committee 2005-present

Summer School development committee 2006-2007

SACS QEP development – 2005-2007

CRIAD 2001-2004

Search committee, Director of Faith and Learning, 2002-2004

Chair, Academic Integrity Committee 2003

Faculty compensation committee, 2002-2003

All campus service

New faculty mentor, L. Davita, 2002-2003

New faculty mentor, B. Stephenson, 2003-2004

Presentation on science, New faculty seminar, 2003

SERVICE AS REVIEWER

Referee or advisor – books

Yale University Press

Blackwell Scientific

Island Press

Westminster/John Knox

University of Virginia Press

University of Georgia Press

University of Pittsburgh Press

Referee – journal, technical reports

Journal for the Study of Religion, Nature and Culture

Ecosystems

Ecology

Environmental Ethics
Worldviews
Environmental Management
The Environmental Professional
Conservation Biology
Natural Areas Journal
Bulletin of the Torrey Botanical Club
Environmental Practice
Pacific Northwest Science
American Journal of Botany
Journal of Wildlife Management
American Naturalist
Castanea
Biological Conservation
Restoration and Management Notes
Vegetatio
Bioscience
Journal of Church and State
Christian Scholars Review
Ecosystem Management
 U.S. Forest Service
 Man and the Biosphere Program
 U.S. National Park Service

Referee or advisor – proposals

National Science Foundation (Ethics and Values)
PEW Foundation Referee or advisor - proposals
 National Science Foundation (Ecology, Facilities)
 U.S. National Park Service
 U.S. Forest Service
 Man and the Biosphere Program
Earthwatch
 National Geographic Society
 Baylor, URSA grants

PROFESSIONAL SOCIETIES AND EDITORIAL ROLES

Editorial boards, 1975-2000

Editorial board, *Green Cross*, 1993-1998
 Editorial board, *The Environmental Professional*, 1990-1995
 Editorial board, *Environmental Ethics*, 1988-1994
 Edited first numbers of Southeast Region, Research and Resources
 Management Series, 1975-1978
NPS-CPSU Technical Reports, Institute of Ecology, University of Georgia -
 edited entire series, from No. 1 to No. 60, 1981-1991

Professional societies/environmental organizations

Torrey Botanical Club (life member)
 Southern Appalachian Botanical Club (life member)
 Ecological Society of America (life member)

Society for Conservation Biology (life member)
 American Association for the Advancement of Science

Membership in professional societies – ethics/religion

American Academy of Religion

Service Organizations

Board, The Krista Foundation, 1999 – 2001

AuSable Institute representative, Whitworth College, 1996-2001

Offices and appointments

Judge – Graduate and undergraduate paper competition – Pacific Northwest AAR – 1999-2001

Research panel of the University of Georgia self-study committee, 1989

Review panel for special achievement awards in National Park science, 1989

Board of Directors, George Wright Society (for park resources managers and scientists), 1989

Board of Directors, Tennessee Native Plant Society, 1978-1979

GRANTS AND CONTRACTS (since 1995)

Submitted Dec. 2007/funded/\$15,000 – Metanexus renewal– PI with Gerald Cleaver, Local Societies Initiative, The Baylor Society for Conversations in Religion, Ethics and Science

Submitted May 2007/awarded/\$12,900 - Glasscock Endowment, PI - Oaks of Independence: An Environmental History Study of Baylor University's Original Site and the Potential Surrounding Historic District

Submitted October 2007/ awarded/\$1800 - URSA, Baylor University - Privet Invasion and Control in Cameron Park

Submitted May 2005/awarded/ \$4000 – Glasscock Endowment – PI, Conservation of Floodplain and Mesic Hardwood Forests in Cameron Park, Waco, Texas

Submitted May 2005/awarded/\$4000 – Glasscock Endowment – PI, Manual on the Ecology of Cameron Park and Heart of Texas Woodlands and Prairies: An Environmental Education Project

Submitted May 2005/not funded, resubmit/\$7,000 – Glasscock Endowment – PI, Forests Fragments in an Agricultural Matrix: Can Forest Floor Specialist Species, such as Native Spring Wildflowers, Recover from Disturbance and Isolation?

Submitted Feb. 2005/not funded, resubmit/ \$10000 – Metanexus – PI with Gerald Cleaver, The Baylor Society for Conversations in Religion, Ethics and Science: The Ethics of Pharmaceuticals in Waste Water

Submitted Dec. 2004/funded/\$15,000 – Metanexus – PI with Gerald Cleaver, Local Societies Initiative, The Baylor Society for Conversations in Religion, Ethics and Science

Submitted Sept. 2004/prepare for resubmit/\$264,000 – NSF REU – PI, Ecology and management of aquatic systems in Texas and Mexico

Submitted Dec. 2003/not funded/\$90,000 – NSF CCLI – senior PI, Bryan Brooks with Peter van Walsum – Instrumentation for undergraduate environmental analytical laboratory

- Submitted Dec. 2002/not funded/\$120,000 – NSF CCLI - senior PI, Bryan Brooks with Peter van Walsum – Instrumentation for undergraduate environmental analytical laboratory
- Submitted October 2002/awarded/\$5000 – Baylor Horizons Grant – Christian Environmentalism With/Out Boundaries
- Submitted March 2002/not funded/ \$150,000 – Templeton Foundation – Project on pilgrimage and the environment
- Submitted October 2001/funded/\$15,600 – CCCU Networking Grant (through Kings and Calvin Colleges) – Sponsorship for Environmental Seminar at Calvin College
- Submitted Dec. 1999/funded/\$10,000 – Templeton Foundation – Course in Ecology and Religion:
- Submitted Nov. 1999/not funded/\$19,200 – EPA /Whitworth – Environmental Education Program for Implementation on Charter Fishing and Whale Watching Vessels
- Submitted Dec. 1998/funded /\$29,900 -NSF -"POWRE: Ethics of commercial fishing" to begin March 2000
- Submitted Feb. 1998/funded/\$750 – Whitworth College faculty research grant
- Submitted Jan. 1998/not funded/\$27,000 – NSF - plan to resubmit, "Undergraduate field course in cross-cultural environmental ethics"
- Submitted July 1997/funded /\$500,000/ Murdock Foundation – Science building renovation, not a P.I., one of research resumes attached
- Submitted June 1996/funded/\$630,000 - NSF - Science building renovation, not a P.I., authored short section and one of eight resumes showing research activity
- Submitted Jan. 1996/funded/\$225,000 - Murdock Foundation - Science faculty development, P.I. on entire proposal, individual subproject, \$36,000 "The ethics of commercial fishing communities and ecosystem productivity"
- Submitted May 1996/funded/\$900 - Whitworth College - "The natural Aryan and the unnatural Jew, race and the environment in Nazi film" (Project completed)
- Submitted Sept. 1995/funded/\$1350 - PEW - "Participation in Christian College Environmental Stewardship Initiative" (Project completed)
- Submitted Nov. 1996/funded/\$3986 - Campus Compact - Fire ecology in Riverside State park - P.I., student service learning (Project completed)
- Submitted Feb. 1995/funded/\$17,600 - US Forest Service - "The natural disturbance history of the Chattooga Watershed" (Project completed)
- Submitted Oct. 1995/funded/\$4,000 - Campus Compact - "Monitoring of heavy metals in north Spokane" (Student project - completed)
- 1991-1993, completing National Park Service contract on forest understory diversity, \$55,000 (Project completed)
- Submitted Dec. 1995/ not funded/\$189,433 - NSF/Ecosystems - with Albert Meier -"RUI: Forest disturbance gradients and understory herb diversity in southern U.S."

GRANTS AND CONTRACTS PRIOR TO 1995

While working for the National Park Service, wrote or managed over \$9,000,000 in contracts and grants.

SPEAKING ENGAGEMENTS AND PRESENTATIONS, 2000-present

- April 2008 – Garza, Sara, and Susan Bratton, Impact of *Ligustrum lucidum* on flower morphology, chlorophyll, and flowering of white trout lily (*Erythronium albidum*) in Cameron Park, Waco, TX, Baylor University, Scholar's Day.
- March 2008 - Gao, Song and S.P. Bratton, Support host selection of *Lonicera japonica* and its interaction with different factors in Cameron Park, Waco, TX , *Texas Academy of Sciences Annual Meeting 2008*.
- January 2008 – Creation in Christian Art, St. Paul's Episcopal Church, Waco, TX
- July 2007 - Creation in Christian Art, Collegiate Metropolitan Church, New York, NY
- April 2006 – The environment in Dutch 17th century Christian art – Society for Religion and Nature – Gainesville, FL
- November 2005 – Christ as Orpheus, National AAR – Philadelphia, PA
- March 2005 – The Good Shepherd and his dog: Environmental values in early Christian art, Southwest Regional AAR – Dallas, Texas
- Feb. 2005 - The Good Shepherd and his dog: Environmental values in early Christian art – Scholar's Day, Baylor University
- Oct. 2004 – Five lectures on Celtic Christianity – Continuing Studies, Baylor University
- Sept. 2004 – Series of presentations on Christianity, wilderness and art, Houghton College, Starlake Program in the Adirondacks
- March 2004 – Sabbath rest for the Creation, Christian Faith and the Soul of the University, Baylor University
- March 2004 – Historic Christian pilgrimage and contemporary long distance hiking: Analogous spiritualities, Christian Faith and the Soul of the University, Baylor University
- March 2004 – Fisheries and communities, Baylor University Continuing Education, Columbus Ave. Baptist Church
- Jan. 2003 – The precautionary principle and the Book of Proverbs – Scholars Day, Baylor University
- April 2003 – Wildlife of the Southern Appalachians – A response to a Barbara Kingsolver novel – Black Madonna Reading Group – Waco, TX
- May 2003 – Progress in Christianity and the Environment, Keynote: Seattle Pacific University, Seattle, WA
- May 2003 – The precautionary principle and the Book of Proverbs, Seattle Pacific University, Seattle, WA
- May 2003 – The precautionary principle and the Book of Proverbs, lessons for ocean fisheries, University of Seattle, Seattle, WA
- July 2003 – Disturbance and ecosystem management – Christian Environmentalism With/without Boundaries – Calvin College, Grand Rapids, MI
- July 2003 – Panarchy - Christian Environmentalism With/without Boundaries – Calvin College, Grand Rapids, MI
- Jan. 2002 – The impact of tourism on the ethics of commercial fishing in Ireland – Scholars Day, Baylor University

- Feb. 2002 - Ecological Holism and Theological Dualism as Roots of Environmental Racism: Medieval Lessons for Modern Religious Scholars, to Christianity and Ecology Conference, Notre Dame, Feb. 2002.
- Feb. 2002 -(poster) The precautionary principle and the Book of Proverbs, Christianity and Ecology Conference, Notre Dame, Feb. 2002.
- Feb. 2002 – Marcum, Heidi, and S.P. Bratton, Spiritual care of animals, the case of animal enrichment. Christianity and Ecology Conference, Notre Dame.
- March 2002 – (poster) Fisheries decline and ethical change in the Republic of Ireland, *Sustaining Seascapes*, American Museum of Natural History, New York, NY.
- Aug. 2002 – Bratton, S.P. and Jennifer Ann Bennett, Objective versus subjective ethical values and commercial fishermen’s perceptions of fisheries science. *American Fisheries Society Meeting*, Baltimore, MD.
- October 2002 – Bratton, S.P. Christians and environmental studies. Crane Scholars, Baylor University, Waco, TX.
- Nov. 2002 – Bratton, S.P. (poster) Environmental Studies at Baylor University. Consortium of Environmental Studies Programs, Wrigley Marine Laboratory, Santa Catalina Island, CA.
- Nov. 2002 – Bratton, S.P. The precautionary principle and the Biblical wisdom literature, American Academy of Religion, Toronto, Canada.
- Feb. 2001 – Impacts of forest disturbance on salamanders and understory herbs – Baylor University, Waco, TX.
- Oct. 2001 – Finding Christ in the Oceans and Atmosphere, Keynote: Hope College, Critical Issues Symposium: Earth Matter: Daily decisions, Environmental Echoes.
- Oct. 2001 - Peter was a Fisherman too: The Christian Voice in Coastal Management, Focus Session: Hope College, Critical Issues Symposium: Earth Matter: Daily decisions, Environmental Echoes.
- April 2000 – with Kathryn Lowe, Tourism and the ethics of fishing in Ireland, American Academy of Religion, Northwest Regional Meeting, Spokane, WA
- May 2000 – The ethics of commercial fishing (& short presentation on herb diversity) – Dept. of Environmental Studies, Baylor University, Waco, Texas
- June 2000 – Fisheries decline, will Christianity be a casualty, spectator or constructive mediator? – Global Environmental Conference, Trinity Western University, Langely, British Columbia
- June 2000 – Poster presentation – Religion and ecology – Templeton Foundation Conference on Science and Religion, Oakland, CA
- July 2000 – Is “waste not want not” an adequate ethic for by-catch? IFET (International Fisheries Economics Conference) – Corvallis, OR
- July 2000 – What is ecotheology? IFET (International Fisheries Economics Conference) – Corvallis, OR
- July 2000 – Religion and fisheries decline in Ireland - IFET (International Fisheries Economics Conference) – Corvallis, OR
- Oct. 2000 - with Jennifer Bennett. Fishers attitudes towards the ethics of marine science. M.J. Murdock Trust Undergraduate Research Conference, University of Puget Sound.

Oct. 2000 – with Erin Johnson and Krista Henning. 2000. The ethics of lobstering. M.J. Murdock Trust Undergraduate Research Conference, University of Puget Sound.

2000-2006 – Other professional meetings and off-site training

July 2006 – SACS Institute on Assessment in Higher Education – Orlando, Florida

June 2005 – Metanexus Conference – Philadelphia, PA

March 2003 – National Science Foundation, Grants Training, San Antonio, TX

April 2002 – Chairing the Academic Department – San Antonio, TX

PREVIOUS INVITED PRESENTATIONS

See complete list of presentations in “Invitational and off-site lectures”

University of Georgia, Athens; Ralph Miller Lecturer, Greeneville College, IL; AuSable Institute, MI; Convocation, Gordon College, MA; Convocation, Northwestern College, IA; Dordt College, IA; Christian College Coalition, Whitworth College (1987); Trinity College, IL; University of Wisconsin, Madison; Georgia Southern College; Society for Ecological Restoration; Messiah College; Western Theological Seminary, MI; Covenant College, IL; World Vision; Austin College, TX; University North Texas; Ashland University, OH; *Christianity Today*, at Wheaton College, IL; Wheaton College; Seattle-Pacific University; Evangelical Relief and Development Organizations

Graduate student committees - Baylor University 2001-present

Chair, completed thesis:

Song Gao, 2008, *Support Host Selection of Lonicera japonica and its Interaction with Environmental Factors in Cameron Park, Waco, TX*, M.S., Environmental Science.

Kenna Lang, 2007, *Environmental History of William B. Cameron Park, Waco, TX*, M.E.S. Thesis, Environmental Studies, 118 pp.

Howard, Amber, 2004, *Building Sustainable Communities: Brownfields Redevelopment as a Tool for Smart Growth*, M.S. Thesis, Environmental Science, 70 pp.

Jennifer Gearhart, 2003, *Practicing, Implementing, and Accepting Science: An Exploration of the Relationships between Scientists and Agriculturalists in Central Texas and Ireland*, M.E.S. Thesis, Environmental Studies, 74 pp.

Melinda Suchecki, 2003, *Economic and Environmental Reasons for the Use of Steel Framing in Residential Construction*, M.S. Thesis, 228 pp.

Chair, M.E.S. non-thesis completed:

Mauricio Alvarez, 2007, internship with City of Waco, paper on privet in Cameron Park

Kongyen Zhu, 2005, internship with GIS division of Texas Parks and Wildlife, paper on management of Lake Waco

Tanya Seljos, 2004, internship and paper on Cameron Park Zoo

Chair thesis underway:

Staron Faucher, *Ethnicity and Recreational Preferences in Cameron Park, Waco, TX*, M.E.S., Environmental Studies (August 2008)

Trey Crumpton, *Environmental History Study of Baylor University's Original Site and the Potential Surrounding Historic District, Independence Texas*, M.S. Environmental Science (May 2009)

Bradley Turner, project under consideration, M.E.S. Environmental Studies (May 2009)

Chair non-thesis M.E.S. underway:

Naoko Makino, no project selected (May 2009)

Member thesis underway (titles approximate):

Brianna Kirchner, *Rodent populations and fire ecology of a tall grass prairie*, M.S. Environmental Biology (Advisor, Ken Wilkins)

Rodriguez, Sammy, *Nutrients Levels in a Test Wetland, Treating Waste Water*, M.E.S., Environmental Studies

Member, thesis committee, degree completed:

Urena-Beck, Fabiola, 2008, *Prymnesium parvum* Effects on Green Algae, Cladocerans, and Fish via Different Routes of Exposure, M.S., Environmental Science.

Pablo Davila, 2006, *The Evaluation of a Subsurface Flow Constructed Wetland for On-Site Wastewater treatment under the NSF/ANSI Standard 40 Protocol Design Loading*, M.S. Thesis, Environmental Science, 75 pp. plus appendices (Advisor, Joe Yelderma)

Hooker, Rebecca, 2005, *Multigenerational responses of Daphnia magna to Ethynylestradiol and Faslodex*, M.S. Thesis, Environmental Science, 68 pp. (Advisor, Bryan Brooks)

Al-Nahari, Ali, 2004, *Using Subsurface Dams for Wastewater Treatment and Reuse*, M.S. Thesis, Environmental Science, 84 pp. (Advisor, Joe Yelderma)

Loudermilk, Megan, 2004, *A Comparison Study of Various Disposal Methods for On-Site Sewage Facilities within the State of Texas*, M.S. Thesis, Environmental Science, 45 pp. (Advisor, Joe Yelderma)

Scheffe, Brian, 2004, *Pet Plastics as an Alternative Substrate Material in Sub-surface Flow Constructed Wetlands for the On-site Treatment of Septic Tank Effluent*, M.S. Thesis, Environmental Science, 47 pp., (Advisor, Joe Yelderma)

Shutt, Jennifer, 2004, *The Volunteer Career: A Comparative Study of What Motivates People to Volunteer with Search and Rescue Units*, M.A. (Sociology)

Catherine Trouteau, 2003, *Informing Policy for Agriculturalists: Social Barriers to the Protection of the Golden-Cheeked Warbler Under the Endangered Species Act*, M.S. Thesis, Environmental Science, 82 pp. (Advisor, Sara Alexander)

McKernan, Pam, 2003, *The Effect of Fire on Grass and Shrub cover in Big Bend National Park, Texas*, M.S. Thesis, Environmental Biology, 103 pp., (Advisor, Joseph White)

Member, M.E.S., non-thesis committee

Reddy Adaphala, 2006

Undergraduate thesis committees – Baylor University

Megan Loudermilk, 2002, *An Evaluation of the Plans for the Channelization of Clear Creek within Friendswood, Texas, Utilizing the HBC-RAS and Flow Meter Hydrologic Models*, 47 pp. plus appendix (Co-submitted to Geology).

PREVIOUS STUDENT SUPERVISION

Graduate student co-authors, committees (prior to Baylor)

Post docs: Guy McPherson, Andrew Cole, Mary Jo Godt, David Duffey

Graduate students - as major advisor Aaron Rosen, as minor advisor with co-authorship, or as National Park Service research coordinator with co-authorship- Bart Johnson, A.J. Meier, John Ambrose, Robin Goodloe, Katherine Davison, Sally Turner, Monica Turner, Jill Baron, Mark E. Harmon, Jim Boone, Lee Graham, Letty Fitch, Felipe Lemus, Jennifer McMurtrey, Dean Simon, Mary Jo Hayes, Susan Bennett, Elizabeth Kramer, Lauren Zeichenr, Lucy Lawless, Haines Curry, Aditi Dutt, Shariya Molungoda, Christy Johnson, Christine Johnson

HONORS AND AWARDS – SUPERVISION OF STUDENTS (SINCE 1990)

Regional student awards

Shawn Hinz, paper awards “Religion and the ethics of commercial fishing in Ireland and the Pacific Northwest regions,” Weyerhauser Competition for History of Protestantism in the Pacific Northwest, July 1999, cash award

Bret Stephenson, second place, best paper competition, “Martin Luther’s concept of sin’s impact on nature and the unlanding of the Jews,” Pacific Northwest Region of the American Academy of Religion, May 1999

Supervision of students

Pam Johnson, science writing award, Conservation Biology paper, "Exploring the effects of vasectomies on male gray wolves in displays of dominance and as a possible means of population control: a preliminary report," Whitworth College, 2000-2001

- Shawn Hinz, science writing award, “The ethics of commercial fishing”
Whitworth College, 1997-1998
- Gregory Johnson, senior author of pollution poster, NSF fellowship for
graduate study in botany, Arizona, 1997-1999
- Andrew McFarland, science writing award (cash), Conservation Biology paper,
Whitworth College, 1995-1996
- Jeff Hapemann and Austin Mast co-authors on *Conservation Biology* paper,
NSF fellowships to University of Wisconsin Botany Dept., 1993-1994
- Bart Johnson, American Society of Landscape Architects, student design award
for proposal for overlook at Craggy Gardens, 1991

ENVIRONMENTAL PUBLICATIONS AND RESEARCH

Overall publication record

3 books, 1 edited proceeding, 31 book chapters, over 100 additional refereed articles and reports, 2 dissertations, and over 100 short articles, book reviews, technical reports.

Books and proceedings

- Bratton, S.P. 2008. *Environmental Values in Christian Art*. Albany: State University of New York Press, 260 pp.
- Bratton, S.P. 1993. *Christianity, Wilderness and Wildlife: The Original Desert Solitaire*. Scranton, PA: University of Scranton Press, 350 pp.
- Bratton, S.P. 1992. *Six Billion and More: Human Population Regulation and Christian Ethics*. Louisville: Westminster/John Knox, 225 pp.
- Bratton, S.P., ed. 1990. *Vegetation Change and Historic Landscape Management*. Proceedings of the Conference on Science in the National Parks 1986. Colorado State University, Fort Collins, CO, 216 pp. (plus author of two chapters in the volume)

Current submissions

Submitted or in press 2008

- Lang, Kenna, and S.P. Bratton, submitted Jan. 2008, Forest history and succession in William Cameron Park, an urban natural area in Waco, Texas, to *Castanea*, 27 pp.
- Bratton, S.P. submitted Jan. 2008, abstract, Water, Purity, Politics and Radical Ritual Transition in Early Roman Christian Art, to *American Academy of Religion Annual Meeting 2008*, Religion and Ecology Group

Submitted or in press 2007

- Bratton, S.P. in press, for 2008, The spirit of the edge: Rachel Carson and numinous experience between land and sea, for book chapter in volume on spirit and the oceans, for book chapter in Andrew Francis and Sylvie Shaw, eds. *Deep Blue*, London, UK: Equinox Publishers, 35 manuscript pages.
- Bratton, S.P., chapter in press, “Anti-imperial themes and care for living nature in early Christian art,” in Kyle S. van Houtan and Michael Northcott, eds., *Dominion and Diversity*, Durham: Duke University Press.
- Bratton, S.P., in press, submitted Aug. 2007, accepted Oct. 2007, St. Francis, *Encyclopedia of Environmental Ethics and Philosophy*, Thomson-Gale, 3 manuscript pages.
- Bratton, S.P., in press, Submitted Sept. 2007, accepted Feb. 2008, Oceans, *Encyclopedia of Environmental Ethics and Philosophy*, Thomson-Gale, 12 manuscript pages.
- URSA research notes* 2007-present (internet publication on URSA website)
- Bratton, S.P. 2007. Using Baylor logos on undergraduate research posters and slide presentations. URSA Newsletter, Baylor University.
- Bratton, S.P. 2007. Applying to an NSF REU. URSA Newsletter, Baylor University.
- Bratton, S.P. 2007. You’ve always wanted to be a research scientist; now how do you begin? URSA Newsletter, Baylor University.

Published 2000-2008

Laboratory manual

- Bratton, S.P., 2005, *Laboratory Exercises in Environmental Analysis*, Dubuque, Iowa: Kendal Hunt, 98 pp.

Book chapters

- Bratton, S.P., 2008. Thinking like a mackerel: Rachel Carson’s *Under the Sea Wind* as a foundation for a trans-ecotonal sea ethics, Chapter 5, pp. 79-93, in Lisa Sideris and Kathleen Dean Moore, eds., *Rachel Carson: Legacy and Challenge*, Albany, NY: State University of New York Press. Released in both hardback and paperback editions.
- Bratton, S.P., 2008, “Ecology and Religion” pp. 207-225, in Philip Clayton and Zachary Simpson, *Oxford Handbook on Religion and Science*. 2nd edition (paperback). Oxford: Oxford University Press. (reprinted volume, originally published 2006)

- Bratton, S.P., 2006, "Ecology and Religion" pp. 207-225, in Philip Clayton and Zachary Simpson, *Oxford Handbook on Religion and Science*. Oxford: Oxford University Press.
- Bratton, S.P. 2006, "Chapter 17: Sea Sabbaths for Sea Stewards", pp.208-212, in R.J. Berry, ed., *Environmental Stewardship, Critical Perspectives – Past and Present Series*, London, UK: T&T Clark.
- Bratton, S.P. 2006, Human-nature relationships in *Die Nibelungen*, published in Hebrew, pp. 491-501, in Arie Stav, editor, *Das Nibelungenlied: "...der deutscheste aller deutschen Stoffe"*, Jerusalem, Israel: A'vun Tephevich. (The editor is a professor at Hebrew University, the volume begins with a Hebrew translation of the Old High German version of the poem, then ends with several interpretive articles.)
- Warners, Dave, and Susan Bratton, 2006, Chapter 2: "The way we live," pp. 17-24 in David S. Koetje, editor, *Living the Good Life on God's Good Earth*, Grand Rapids, MI: Faith Alive Resources. (general readership)
- Bratton, S.P. 2005. Be fruitful and increase (Commentary on Genesis 1:28). Sponsored by World Vision, Int., *Faith in Action Study Bible: Living God's Word in a Changing World*, Grand Rapids, MI: Zondervan Press, p. 8-9. (general readership)
- Bratton, S.P., 2002. Christian Ecotheology and the Hebrew Scriptures, pp. 47-66 ed. Dawn Nothwehr, *Franciscan Theology of the Environment: An Introductory Reader*, Quincy, IL: Franciscan Press.
- Bratton, S.P. 2002. J. Baird Callicott's critique of Christian stewardship and the validity of religious environmental ethics, pp. 237-251, Wayne Ouderkirk and Jim Hill (eds.), *Land, Value, Community: Callicott and Environmental Philosophy*, SUNY Press.
- Bratton, S.P. 2000. Christian response to changes in global ecosystems: pp. 113-124, Max Stackhouse, Tim Dearborn, Scott Paeth, eds. *The Local Church in a Global Era*, Grand Rapids: Eerdmans Publishers.
- Bratton, S.P. 2000, American Christianity and the environment. (This is a historiographic review.) pp. 213 –238, Don Conroy and Rodney Peterson, editors, *Earth at Risk: An Environmental Dialogue Between Religion and Science*, Humanities Press.
- Bratton, S.P. 2000. The church should call not just prophets but environmental deacons!, pp. 429-438 in *Christianity and Ecology*, edited by Dieter Hessel and R.R. Ruether, Cambridge: Harvard University Press.

Bratton, S.P. 2000, Christian responses to coercion in population regulation. pp. 267- 290 in Audrey Chapman, and L. Smith-Moran and Rodney Peterson. *Consumption, Population and Sustainability: Perspectives from Science and Religion*, Washington, D.C.: Island Press.

Refereed and invited articles

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Steele, Dan, Chanda Johnson, and SP Bratton. 1999. Flight and return of fish of fish to the coral reef surface in response to human swimmers and waders. M.J. Murdock Trust Undergraduate Research Conference, Linfield College, McMinnville OR, Nov. 1999. (Whitworth)

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- Moyer, Carrie, Kathryn Lowe and SP Bratton, 1999, Tourist interaction with marine environments, Kilonan and Galway City, Ireland. M.J. Murdock Trust Undergraduate Research Conference, Linfield College, McMinnville OR, Nov. 1999 (Whitworth)
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- Andrea, Olah, Lydia Dobvorvolny, Dean Rocco, and SP Bratton. 1997. Regeneration of ponderosa pine forest after wildfire. *Murdock Trust Undergraduate Science Meeting*, Oct. 1997. (Whitworth)
- Fligor, Jason, Nate Engjker, Bill Kaufold, and Susan Bratton. 1997. Distribution of vernal flowering herbs on burned and other disturbed sites in Riverside State Park, WA. *Murdock Trust Undergraduate Science Meeting*, Oct. 1997. (Whitworth)
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- Powers, Jeff, and SP Bratton. 1998. Fire impacts on the understory of a ponderosa pine forest (poster). *Murdock undergraduate science meeting*, Nampa, ID, Nov. 1998. (Whitworth)

INVITATIONAL AND OFF-SITE LECTURES Prior to 2000

1999-1996 SPEAKING ENGAGEMENTS AND PRESENTATIONS

May 1999 – Irish nationalism and redaction of Lady Gregory's *Book of Saints and Wonders*, Pacific Northwest Regional AAR, Seattle, WA

- Sept. 1999 – Christianity and wilderness, Am. Soc. Foresters, Portland, OR
Invited workshop on religion and forests
- Sept. 1999 - The ethics of commercial fishing, Am. Soc. Foresters, Portland, OR
- Sept. 1999 - Oceanic fisheries decline and Christian ethics, Westmont College, Santa Barbara, CA
- Sept. 1999 - Roots of environmental racism: Gothic views of nature and anti-Semitism, Westmont College, Santa Barbara, CA
- Oct. 1999 - The future of forest monitoring, Southern Appalachian Forest Coalition, Asheville, NC
- Nov. 1999 – (poster) Lowe, Libby, Shawn Hinz and SP Bratton, Impacts of tourism on perceptions of wildlife among Irish commercial fishers, M.J. Murdock Trust Undergraduate Research Conference, Linfield College, McMinnville OR.
- Nov. 1999 – (poster) Bailey, Chrissy. and SP Bratton, Sedimentation impacts on the living area of a coral reef at Hanauma Bay, Hawaii. M.J. Murdock Trust Undergraduate Research Conference, Linfield College, McMinnville OR.
- Nov. 1999 – (poster) Steele, Dan, Chanda Johnson, and SP Bratton. Flight and return of fish of fish to the coral reef surface in response to human swimmers and waders. M.J. Murdock Trust Undergraduate Research Conference, Linfield College, McMinnville OR, Nov.
- Nov. 1999 – (poster) Guertin, Cindy and SP Bratton., The distribution of blue-eyed grass relative to canopy opening and soil depth on burned and unburned sites. M.J. Murdock Trust Undergraduate Research Conference, Linfield College, McMinnville OR.
- Nov. 1999 – (poster) Moyer, Carrie, Kathryn Lowe and SP Bratton, Tourist interaction with marine environments, Kilonan and Galway City, Ireland. M.J. Murdock Trust Undergraduate Research Conference, Linfield College, McMinnville OR.
- Nov. 1999 Ethical change in response to fisheries decline in the Republic of Ireland, Whitworth College, Faculty Scholarship Forum
- Nov. 1999 –Anti-Semitism and environmental racism in Nazi film, American Academy of Religion, Boston, Mass.
- April 1998, “Not prophets but deacons,” *Ecology and Christianity* conference Harvard University; Response to Dan Maguire of Marquette University
- May 1998, “Roots of environmental racism: environmental anti-Judaism in Christian art,”
Pacific Northwest AAR, University of Portland, Portland, OR
- Oct. 1998 - Princeton Theological Seminary conference with World Vision– “The Church and the World in a New Century: Faith and Responsibility in a Global Future” –
Session leader on ecology and globalization
Paper title: “Christian response to changes in global ecosystems: The case of fisheries decline and the application of econormative ethics.”

- Oct. 1998 – Environmental Forum for Business, Inc. – regional exposition in Spokane – Presentation of “Penning the goring bull, Biblical ethics and containing pollution” in a panel discussion on business ethics
- Nov. 1998 – (poster) Olah, Andrea, SP Bratton and Jeff Powers. Poster: Debris survey of Washington and Oregon beaches (poster). *Murdock undergraduate science meeting*, Nampa ID.
- Nov. 1998 – (poster) Powers, Jeff, and SP Bratton. Fire impacts on the understory of a ponderosa pine forest (poster). *Murdock undergraduate science meeting*, Nampa, ID.
- Nov. 1998 - Bratton, S.P. and Shawn Hinz. Religion and the ethics of commercial fishing in Ireland and the Pacific Northwest regions. National AAR, Florida
- Dec. 1998 – Environmental Track mentor, Graduate student, “Shaping our World” Conference, Intersivity, Chicago Hilton, Chicago, IL
- April 1997, Meier, A.J. and S.P. Bratton. Disturbance and the distribution of vernal herbs in the Southern Appalachians. SABC, South Carolina.
- April 1997, Bratton, S.P. and A.J. Meier. 1998. The recent vegetation disturbance history of the Chattooga River Watershed. Symposium on Appalachian vegetation invited by the Southern Appalachian Botanical Club.
- March 1997, “Roots of environmental racism,” and “Penning the goring bull,” Calvin College, Environmental Seminars, Grand Rapids, MI
- June 1997, “Towards a dialog between ecology and religion,” Templeton Foundation, Graduate Theological Union, Berkeley, CA
- June 1997 – (poster) with Shawn Hinz, AAAS, Pacific Northwest Division, Corvallis, OR, poster: “Ethical priorities of commercial fishing communities: economy, ecology and safety”
- June 1997 – (poster) Engjker, Nate, Jason Fligor, Bill Kaufold, Dean Rocco, and Susan Bratton. Distribution of vernal flowering herbs on burned and other disturbed sites in Riverside State Park, WA. *AAAS Pacific Northwest Region*.
- June 1997 – (poster) Olah, Andrea, Jennifer Dahm, Lydia Dobrovolny, Robin Kolb and Susan Bratton. Herbaceous understory composition following crown fire in *Pinus ponderosa* forest along the Spokane River, WA. *AAAS Pacific Northwest Region*.
- August 1997 – (poster) Olah, Andrea, Jason Fligor, Lydia Dobrovolny, Jennifer Dahm and Susan Bratton. Impacts of fire in Riverside State Park on understory herb regeneration. *Natural Areas Association*, Portland, OR.
- August 1997, “Selection for natural features in Irish pilgrimage sites,” *Natural Areas Association*, Portland, OR
- September 1997, “Christian roots of environmental racism,” Whitworth College, Faculty Research Seminar
- October 1997. A convocation presentation, “Wilderness spirituality,” and a workshop “Christian ethics and population growth,” Protestant Episcopal Seminary of Virginia, Alexandria, VA (co-presenter with James Nash)
- October 1997 – (poster) Hinz, Shawn and S.P. Bratton, Ethical priorities of commercial fishing communities: economy, ecology and safety. *Murdock*

- Trust Undergraduate Science Meeting, Portland, OR.*
- October 1997 – (poster) Andrea, Olah, Lydia Dobvorvolny, Dean Rocco, and SP Bratton. Regeneration of ponderosa pine forest after wildfire. *Murdock Trust Undergraduate Science Meeting, Portland, OR.*
- October 1997 – (poster) Fligor, Jason, Nate Engjker, Bill Kaufold, and Susan Bratton, Distribution of vernal flowering herbs on burned and other disturbed sites in Riverside State Park, WA. *Murdock Trust Undergraduate Science Meeting, Portland OR.*
- October 1997 – (poster) Billingsly, K., C. Henry, S. Fuller, and SP Bratton, The fire history of Riverside State Park. *Murdock Trust Undergraduate Science Meeting, Portland, OR.*
- November 1997. “The natural Aryan and the unnatural Jew,” University of Texas, Dallas
- Jan. 1996, “Population, consumption and environment,” World Vision meeting for women, Reston, VA
- Feb. 1996, Yale School of Forestry – Religious Environmental Ethics panel, New Haven, CN
- Feb. 1996, “Christians and population regulation,” Green Cross, Western Washington University, Bellingham
- March 1996, “Swim with the Salmon,” Campus Ministries, University of Oregon at Corvallis
- April 1996, “Christianity and population,” Biology seminars, University of Montana at Missoula
- May 1996, “Trends in Christian environmental ethics,” National Religious Partnership for the Environment, Greensboro, NC
- August 1996, “Christian ethics and population,” Undergraduate symposium on the environment, Student Environmental Association, retreat in the Sierras, CA
- October 1996, “Risk, population, and reflexive modernity,” Christian College Coalition, Gloucester, MA
- November 1996 – (poster) Johnson, Greg and S.P. Bratton, Impact on aluminum plant effluents on the vegetation of north Spokane (poster). *Murdock Trust Undergraduate Science Meeting, Seattle, WA.*
- April 1995, “Diversity of understory herbs in the Susquehanna River gorge,” Biology seminars, University of Montana at Missoula

Invitational and Off-site Lectures

1975-1976	Zoology Club, Cornell University	<i>"Impacts of the European wild boar"</i>
	University of North Carolina, Chapel Hill	<i>"Phenology of understory herbs"</i>
		<i>"Alpha and beta functions of vegetative diversity"</i>
	Duke University	<i>"Impacts of European wild boar"</i>
		<i>"Managerial concerns in Great Smoky Mountains National Park"</i>
1977-1979	Virginia Polytechnic Institute, Blacksburg	<i>"Impacts of European wild boar"</i>
	Tennessee Technological University	<i>"Impacts of European wild boar"</i>
	Rutgers University, Camden	<i>"Impacts of European wild boar"</i>
	Duke University	<i>"Patterns of campsite and trail erosion"</i>

	New York Botanical Garden, Bronx State University of New York at Stonybrook New England Botanical Club, Harvard Univ. <i>in preserves"</i>	<i>"Rare and endangered plant monitoring"</i> <i>"Impacts of European wild boar"</i> <i>"Rare and endangered plant management</i>
	Great Smoky Mountains Wildflower Pilgrimage University of Georgia Marine Laboratory, Sapelo Island	<i>"Impacts of European wild boar"</i> <i>"Impacts of European wild boar"</i>
	Belle Baruch Forest Science Institute, Clemson University Maryville College, Tennessee	<i>"Impacts of European wild boar"</i> <i>"Agricultural management in a natural area; Cades Cove"</i>
1980-1981	Albright Training Center, Grand Canyon National Park, Arizona U.S. Man and the Biosphere Program, Everglades, National Park Linnean Society of London, British Botanical Society, Cambridge	<i>"Human impacts in backcountry areas"</i> <i>"Successional changes in Great Smoky Mountains National Park"</i> <i>"Rare plant management in preserves"</i>
1982	Albright Training Center, Grand Canyon N.P. Man and the Biosphere, Application of Genetics to the Management of Wild Plant and Animal Populations, Washington, D. C. AAAS, Washington, D. C. Harpers Ferry Training Center	<i>"Science and resources management"</i> <i>"Site rehabilitation"</i> <i>"Genetic considerations for rare plant management"</i> <i>"Impacts of exotic species in National Parks"</i> <i>"Management of historic landscape"</i> <i>"Science and resources management"</i>
1983	Ecological Society of America, Fargo ND	<i>"Human impacts on woodland orchids"</i>
1984	Clemson University, South Carolina AuSable Institute, Mancelona, Michigan University of Georgia, Athens Canaveral National Seashore University of Georgia, Athens	<i>"Management of historic landscapes"</i> <i>"National Park management and values"</i> <i>"Ecotheology and the Old Testament"</i> <i>"Fire history of Cumberland Island"</i> <i>"Research and resources management for Cumberland Island"</i>
1985	Ralph Miller Lecturer: Greeneville College, Greeneville, IL <i>Cumberland</i> AuSable Institute, Michigan Convocational Speaker, Gordon College Massachusetts <i>Cumberland Island National Seashore"</i> Convocational Speaker, Northwestern College, Iowa <i>Cumberland Island National Seashore"</i> Science Seminar, Dordt College, Iowa <i>Cumberland Island National Seashore"</i> University of Georgia, Athens: Conference on Environmental Ethics and Nature Interpretation National Wilderness Conference, Fort Collins,	<i>"Earthkeeping"</i> <i>"Land ethics"</i> <i>"Research and resources management at Island National Seashore"</i> <i>"Earthkeeping"</i> <i>"Land ethics"</i> <i>"Earthkeeping"</i> <i>"Research and resources management at Cumberland Island National Seashore"</i> <i>"Earthkeeping"</i> <i>"Land ethics"</i> <i>"Research and resources management at Cumberland Island National Seashore"</i> <i>"Research and resources management at Cumberland Island National Seashore"</i> <i>"National Park management and values"</i> <i>"The spiritual basis of nature interpretation"</i> <i>"Battling Satan in the Wilderness"</i>

	Colorado	
1986	ASB, University of South Carolina, Columbia State of Missouri, Parks Conference	<i>"Dynamics of maritime forest"</i> <i>"Landscape management in National Parks"</i>
	Sierra Club Retreat, Winder, GA	<i>"Wilderness campsites, Cumberland Island"</i>
	University of Georgia, Environmental Ethics for College Teachers	<i>"Christianity and wilderness values"</i>
1987	State of Florida, Parks Workshop, Keynote speaker, Walkulla, FL	<i>"National Park Management and values"</i>
	Vegetation Management of Landscapes for Beauty and Diversity, Invited Speaker, Mt. Cuba Center, Delaware	<i>"Deciding what we want and how to get there"</i>
	Whitworth College, Spokane, Washington	<i>"Environmental values: the ethics of extinction"</i>
	AuSable Forum, Land Ethics, Invited speaker, AuSable Institute, Michigan preservation of wild nature)	<i>"A fierce green fire dying" (On the</i>
	World Wilderness Congress, Estes Park, CO	<i>"Wilderness and Christian spirituality"</i>
	NPS Denver Service Center, CO	<i>"Vegetation management in historic landscapes"</i>
	Trinity College, IL, Invited speaker	<i>"Wilderness and spirituality in the Bible"</i> <i>"A fierce green fire dying"</i> <i>"Management of historic landscapes"</i>
	American Society of Landscape Architects, Landscape History Training Session, prior to National Meeting, Baltimore, MD	
1988	Conservation Biology Seminar, UNC, NC	<i>"Conservation in coastal parks"</i>
	Seminar on historic landscapes, Ebbies Landing, Washington	<i>"Boundaries"</i> <i>"Historic vegetation management"</i>
1989	University of Wisconsin, Madison (Chapel)	<i>"Christians and wildlife"</i>
	NPS Deer management workshop, Atlanta, GA	<i>"White-tailed deer impacts on vegetation"</i>
	Workshop on teaching environmental ethics, University of Georgia, Athens	<i>"Religion and environmental ethics"</i>
	University of Wisconsin, Madison (Botany Dept)	<i>"Managing historic and semi-natural landscapes"</i> <i>"The ecology of plant poaching"</i> <i>"Management of historic landscapes"</i> <i>"Fire in historic landscapes"</i>
	American Society of Landscape Architects, Landscape History Training Session, prior to National Meeting, Orlando, FL	
	Workshop on nature interpretation and environmental ethics, Iowa	<i>"Wilderness and spirituality"</i> <i>"Interpreting park management concerns"</i>
1990	Mount Holyoke College, S. Hadley, MA	<i>"Fire ecology of southeastern barrier islands"</i>
	Georgia Southern College, Statesboro, GA	<i>"Fire ecology of southeastern barrier islands"</i> <i>"Judeo-Christian tradition and human population"</i> <i>"Historic landscapes: A scientific perspective"</i> <i>"Spiritual values and the restored"</i>
	George Washington U, Washington, DC	
	Society for Ecological Restoration and	

	Management, Chicago, IL, in a session on "The Sistine Ceiling Debate"	<i>landscape"</i>
	Daughters of the American Revolution, Washington, GA	<i>"Environmental values and American history"</i>
	AuSable Forum, AuSable Inst., Mich.	<i>"Our own stories: wilderness"</i>
1991	Messiah College, Grantham, PA	<i>"Fire ecology of southeastern barrier islands"</i>
	Iowa State Univ., Ames, Iowa	<i>"The Bible and human population regulation"</i>
	Invited Boggs lecture	<i>"Western religious traditions and wilderness"</i>
	Western Theological Seminary, Holland, MI	<i>"Fire and historic landscapes"</i>
	Univ. North Texas, Denton, TX	<i>"Environmental ethics and human population growth"</i>
	"After Earthday conference"	<i>"The new Christian ecology"</i>
1992	Environmental Ethics and Nature interp. workshop, OK	<i>"Environmental ethics and National park management"</i>
		<i>"Christianity and environmental ethics"</i>
1993	Trinity College, Chicago, IL	<i>"Christian ecotheology"</i>
	Covenant College, Chicago, IL	<i>"Christians and population ethics"</i>
	World Vision, Inc. Washington, DC	<i>"Christians and Population ethics"</i>
	Curriculum Development workshop	<i>"Fire ecology in parks"</i>
	Denton, TX	<i>"Christians and population ethics"</i>
	Conf. on Landscaping with Native Plants	<i>"Christian ecofeminism"</i>
	Cullowhee, NC	<i>"Human population regulation and Christian ethics"</i>
	Austin, College, Sherman, TX	<i>"Disturbance and herb diversity on the Susquehanna River"</i>
	Last Lecture Series, University of North Texas, Denton, TX	<i>"Human population regulation and Christian ethics"</i>
		<i>"Why black Pentacostal women don't teach philosophy in North Texas"</i>
1994	Ashland University, Ashland, OH	<i>"Penning the goring bull"</i>
	Conf. on Religion and Population	<i>"Christian ethics and human population change"</i>
	<i>Christianity Today</i> , Chicago, IL	<i>"Christian ethics and population"</i>
	Univ. of Minnesota,	<i>"Herb diversity in Susquehanna River Gorge"</i>
1995	Central Arkansas	<i>"Herb diversity in Susquehanna River Gorge"</i>
	Florida State, Orlando, FL	<i>"Herb diversity in Susquehanna River Gorge"</i>
	World Vision, Student Conference	<i>"Environmental ethics"</i>
	Seattle-Pacific Univ., Seattle	<i>"Population up-date"</i>
	ERDO Conf., Pack Forest, WA	
1996,	World Vision meeting for women, Reston, VA, Population, consumption and environment	<i>"Population"</i>
	Yale School of Forestry, CN -	<i>"Environmental Ethics panel"</i>

	Western Washington University, Bellingham	<i>"Christians and population"</i>
	University of Oregon at Corvallis	<i>"Aesthetics of nature"</i>
	University of Montana at Missoula	<i>"Christians and population"</i> <i>"Herb diversity"</i>
	National Religious Partnership on the Environment, Greensboro, NC	<i>"Evangelical ecotheology"</i>
	Student Environmental Association, Lake Tahoe, CA	<i>"Population"</i>
	Christian College Coalition, Gloucester, MA	<i>"Christianity, risk, population, and reflexive modernity,"</i>
1997	Calvin College, Grand Rapids MI	<i>"Roots of Environmental Racism"</i> <i>"Penning the Goring Bull"</i>
	Templeton Foundation, Graduate Theological Union	<i>"Ecology and religion"</i>
	Natural Areas Association	<i>"Pilgrimage and the environment"</i>

National Scientific Meetings, Technical Conferences and Workshops - other than presented papers

1977, 1978	International National Parks Management Seminar, Gatlinburg, Tennessee <i>NP Science Program, and led field trips to Great Smoky Mountains National Park</i>
1976, 1979 the	First (New Orleans, LA) and Second (San Francisco, CA) Conferences on Scientific Research in National Parks
1975-1982 Park Service (TN)	Annual Scientific Research Meetings, Uplands Areas of the Southeast Region, National <i>Moderator of first through fourth meetings</i> <i>Workshops led: "Rare/Endangered species, unique habitats; special protection problems within the national park" (1975)</i> <i>"Management needs and resource inventory; establishing a data base for management in the park" (1975)</i> <i>"Discussion session on vegetation mapping and vegetation survey in the park" (1977)</i> <i>"Impacts of European wild boar in Great Smoky Mountains National Park" (1979) (with F. Singer)</i>
1975, 1978	American Institute of Biological Sciences (LA, GA)
1976, 1977	Tennessee Rare and Endangered Plant Workshops (TN)
1976	North Carolina Rare and Endangered Species Workshop (NC)
1976	International Bioclimatology Conference (Washington D.C.)
1977	Habitat Classification Conference, U.S. Fish & Wildlife Service (AZ)
1978	International Phytosociological Expeditions (NC)
1978	Southern Appalachian Research and Management Consortium Planning Workshops (NC)
1978-1979	Tennessee Native Plant Society <i>Attended field excursions to botanical gardens, natural areas, Tennessee Heritage Program sites</i>
1979	Conference of the Southeastern Fish and Wildlife Resource Agencies (AR)

- 1984** MAB Review of Possible Barrier Islands Reserves (GA)
Co-organizer with Monica Turner
- 1984** Deer Management for Barrier Islands (MD)
- 1984** Barrier Islands Critical Fire Management Problems Workshop (Canaveral Nat. Seashore, FL)
Moderator/organizer with Mary Foley
- 1985** Man and the Biosphere Review of Possible Eastern Forest Reserves (GA)
Co-organizer with Mary Jo Hayes
- 1986** Right Whale Workshop, Jekyll Island (GA)
- 1986** U.S.-N.P.S. Conference on Science in the National Parks (CO)
Moderator and organizer of "Vegetation history and historic landscape management" symposium
On panel of "Vegetation disturbance"
On panel of "long term ecological monitoring"
- 1987** Moderator of philosophy session: World wilderness congress, Fort Collins, CO
- 1988** Participant: National Park Service workshop on preserving biological diversity, Gatlinburg, (TN)
- 1988** Participant: Science in southeastern National Parks, Great Smoky Mountains NP (TN)
- 1989** Participant: Science in southeastern National Parks, Gulf Islands NP (Miss.)
- 1990** Participant: Science in southeastern National Parks, Big Cypress Nat. Preserve [FL]
Society for Conservation Biology, Univ. Florida, Gainesville, [FL]
- 1991** Participant: Oceanic Society trip to view marine mammals off Baja California
Organizer: Science in southeastern National Parks, Blue Ridge Parkway [NC]
Participant: Southern Appalachian Man and the Biosphere, Global change working group [TN']
- 1992** Evaluator - student presentations, Austin College, TX
- 1993** SBL and AAR Southwestern Division, Dallas, TX
Herd Museum, Experimental burns, Feb.
Center for Public Policy, Washington, DC - population conf. invited participant
Moderator of panel - Conf. on northern protected areas, Yukon College, Yukon, Canada
World Council of Churches, Geneva, Switzerland, consulting team on population statement
- 1995** SBL and AAR Southwestern Division, Dallas, TX
Rivers and Dams Conf. - Spokane, WA
- 1996** Environmental Exposition - Spokane, WA
November 1996, Douglas Gould and Company, PEW sponsored meeting for environmental speakers involved in radio and television interviews, New York, NY
- 1997** AAAS, Seattle, WA
Environmental Exposition - Spokane, WA

- 1998** SIRTI open house, Spokane, WA – ran booth
- 1999** Ecological Society of America – Spokane, WA
Environmental Exposition – Spokane, WA
SIRTI open house, Spokane, WA – ran boothj

V. ADMINISTRATIVE EXPERIENCE

- Establishment of Uplands Field Research Laboratory, Great Smoky Mtns. National Park. Brought program from one staffer and \$15,000 to eight government employees, over twenty students and \$300,000 in funding in three years
- Authorship of the first scientific research prospectus for Great Smoky Mountains National Park
- Structuring of an scientific affirmative action program with high levels of participation by women and minorities
- Supervision of the first assessment of handicapped accessibility in the Great Smoky Mountains National Park
- Initiation (with Ray Herrmann) of the managerial publication series, *Research/Resources Management Reports*, which now has over 90 numbers.
- Planning of a Biosphere Reserve and monitoring program for Great Smoky Mountains National Park
- Establishment of an annual scientific meeting for the Uplands parks
- Revision of U.S. National Park Service Cooperative Park Studies Unit at the University of Georgia, including an over ten fold increase in funding.
- Initiation of a publication series at the University of Georgia (*NPS-CPSU Technical Reports*), which now comprises 60 documents
- Assisting Cumberland Island National Seashore with the establishment of a field laboratory, now continually used by graduate students
- Assisting Cape Hatteras National Seashore with the establishment of a field laboratory, in use since summer of 1988
- Constructing a proposal, with Robert Dolan, for a monitoring program for impacts of the Naval Submarine Base, Kings Bay, on Cumberland Island National Seashore

VI. PRE- 2001 EDUCATIONAL ACHIEVEMENTS

Establishment of an exceptionally productive student and volunteer program for Uplands Laboratory

Major expansion of student participation in National Park Service Georgia Coop

Exceptional participation of minority and female students in field programs

Exceptional publication rate for women working at Uplands Laboratory and the Georgia Coop

Supervision of numerous undergraduate students on field projects, a number of which have resulted in either technical or journal publication

Author of two student handbooks for field work in parks

Article on using students and volunteers productively in field work

Participation in the University of Georgia Marine Sciences REU program for undergraduates

Service on graduate committees in ecology, forestry and environmental design

Participation on task force developing resources management trainee program

Design of preliminary handouts and initial coordination of courses for National Park Service Resources Management Trainee Program (1984-1986).

Participation on task force designing wildlife capture and immobilization course for Albright Training Center, Grand Canyon

Design of field laboratories for historic landscape management course (Received certificate of commendation)

Design of environmental sciences major for Messiah College, program has been very successful

Design of women's/gender oriented courses in biology and religion

Design of field research course for undergraduates, Whitworth College

Design of environmental studies minor, Whitworth College

VII. OTHER BACKGROUND

Cross-cultural experience

Research projects in Ireland and Germany.

Worked and studied in West Germany as a student.

Field study in Scotland and Organization for Tropical Studies, Costa Rica.

Worked with US Man and the Biosphere Program both with visiting international groups and with delegation to the Soviet Union.

Study of historical geography at Institute for Holy Land Studies, Jerusalem.

Passed graduate readings exams in German, French and Spanish. One class in Koine Greek. Grundstufe Zwei at Goethe Institute. GSFLT in German over 700.

Refugee sponsor for World Relief, 1983-1988.

Activities and interests

Hiker and backpacker, the Appalachian Trail and mountain landscapes, botanizing and wildlife observation, folklore and folk music, recreational diving and snorkeling, fishing, reading books on natural history, art, religion, and history; listening to books on tape, visiting art museums, church art and architecture