

HARRY C. ZINN
CURRICULUM VITAE

The Pennsylvania State University
Department of Recreation, Park & Tourism Management
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**RESEARCH
FOCUS**

Using the values-attitudes-behavior hierarchy to investigate (a) trends in public responses to natural resource management issues; (b) trends in public use of parks, protected areas, and wildlife; and (c) relationships between these trends and socio-demographic change.

EDUCATION

- Ph.D. Colorado State University, Fort Collins, Colorado (1998)
Natural Resource Recreation & Tourism
Advisor: Michael J. Manfredo
Honors: Baggley Fellowship for Park Management
Dissertation: Responses to Persuasive Appeals about a Trapping Ban
Ballot Initiative
- M.S. University of Maine, Orono, Maine (1989)
Forestry with Recreation & Park Management Concentration
Advisor: Paul H. Risk
Honors: Graduate Fellowship for Recreation Planning
Thesis: Visitor Distribution, Characteristics, and Preferences on the
Allagash Wilderness Waterway
- B.A. Middlebury College, Middlebury, Vermont (1970)
English Literature
Honors: Dean's List

ACADEMIC AND PROFESSIONAL HISTORY

- 2003- Associate Professor
Present Recreation, Park & Tourism Management Department
The Pennsylvania State University, University Park, Pennsylvania

Currently investigating public use of National Forests and management preferences, hunting participation and hunter retention, and environmental values. Instructing graduate courses in nature-based recreation and tourism and the psychology of recreation and leisure. Instructing undergraduate courses in recreation resource management and planning.

ACADEMIC AND PROFESSIONAL HISTORY, Continued

- 1998-2003 Assistant Professor
Recreation & Park Management Program
The Pennsylvania State University, University Park, Pennsylvania
- 1991-1997 Graduate Assistant
Department of Natural Resource Recreation & Tourism
Colorado State University, Fort Collins, Colorado
- Investigated public attitudes toward mountain lions and mountain lion management, public preferences for prairie dog management, voter responses to a ballot initiative on wildlife trapping, national attitudes toward fire management in parks and wilderness areas, and visitor use of a suburban open-space system. Instructed undergraduate courses in human dimensions of natural resources.
- 1989-1991 Instructor & Assistant Scientist (temporary appointment)
Recreation & Park Management Program
University of Maine, Orono, Maine
- Investigated recreational fishing for Atlantic salmon and visitors' management preferences for a Wild and Scenic river. Instructed undergraduate courses in recreation management and conservation history. Co-instructed undergraduate course in interpretation and graduate course in recreation planning.
- 1988-1990 Private Consultant
Recreation Associates
Stillwater, Maine
- Conducted recreation and interpretive resource inventories. Co-authored interpretive master plan and tour program for historic hydro-electric station. Facilitated public involvement in a four-community recreation needs assessment. Co-authored Recreation Exhibit for Licensing Application for proposed hydro-electric project.

PUBLICATIONS

Refereed Journal Articles

- 2004 Tung, Y.F., & Zinn, H.C. (2004). Motivations of volunteer interpreters in Taiwan: A survey of Natural Trails Society volunteers. *Journal of Interpretation Research*, 9(1), 27-39.

Refereed Journal Articles, Continued

- 2004,
Continued Stedman, R., Diefenbach, D., Swope, C., Finley, J., Luloff, A., Zinn, H., San Julian, G. and Wang, G. (2004). Integrating wildlife and human-dimensions research methods to understand hunters. *Journal of Wildlife Management* 68(4), 762-773.
- 2003 Zinn, H.C. (2003). Hunting and socio-demographic trends: Older hunters from Pennsylvania and Colorado. *Wildlife Society Bulletin*, 31(4), 1004-1014.
- Li, C.L., Zinn, H.C., Barro, S.C., & Manfredi, M.J. (2003). A cross-regional comparison of recreation patterns of older hunters. *Leisure Sciences*, 25(1), 1-16.
- 2002 Zinn, H.C., Manfredi, M.J., & Barro, S.C. (2002). Patterns of wildlife value orientations in hunters' families. *Human Dimensions of Wildlife*, 7(3) 147-162.
- Zinn, H.C., & Pierce, C.L. (2002). Values, gender, and concern about potentially dangerous wildlife. *Environment & Behavior*, 34(2), 240-257.
- Kerstetter, D.L., Zinn, H.C., Graefe, A.R., & Chen, P.J. (2002). Perceived constraints to state park visitation: A comparison of former users and non-users. *Journal of Park and Recreation Administration*, 20(1), 61-75.
- 2000 Zinn, H.C., & Manfredi, M.J. (2000). An experimental test of rational and emotional appeals about a recreation issue. *Leisure Sciences*, 22, 183-194.
- Zinn, H.C., Manfredi, M.J., & Vaske, J.J. (2000). Social psychological bases for stakeholder acceptance capacity. *Human Dimensions of Wildlife*, 5(3), 20-33.
- 1999 Zinn, H.C., & Andelt, W.F. (1999). Attitudes of Fort Collins, Colorado, residents toward prairie dogs. *Wildlife Society Bulletin*, 27, 1098-1106.
- 1998 Zinn, H.C., Manfredi, M.J., Vaske, J.J., & Wittmann, K. (1998). Using normative beliefs to determine the acceptability of wildlife management actions. *Society and Natural Resources*, 11, 649-662.
- Manfredi, M.J., Zinn, H.C., Sikorowski, L., & Jones, J. (1998). Public acceptance of mountain lion management: A case study of Denver, Colorado. *Wildlife Society Bulletin*, 26, 964-970.

Refereed Journal Articles, Continued

- 1998,
Continued Wittmann, K., Vaske, J.J., Manfredo, M.J., & Zinn, H.C. (1998). Standards for lethal control of problem wildlife. *Human Dimensions of Wildlife*, 3(4), 29-48.
- 1996 Manfredo, M.J., & Zinn, H.C. (1996). Population change & its implications for wildlife management in the new West: A case study of Colorado. *Human Dimensions of Wildlife*, 1(3), 62-74.

Peer-Reviewed Presentations

- 2004 Zinn, H.C., Wang, G.A., & Kerstetter, D.L. (2004). Forest value orientations of Allegheny National Forest stakeholders. Presented at *Tenth International Symposium on Society & Resource Management*, Keystone, CO, June 2-5.
- Harmon, L.K., & Zinn, H.C. (2004). Men, women, and favorite activities: Expressing differences. Presented at *Tenth International Symposium on Society & Resource Management*, Keystone, CO, June 2-5.
- Li, C.L., Zinn, H.C., Graefe, A.R., & Absher, J.D. (2004). A cross-cultural model of customer service in forest recreation. Presented at *Tenth International Symposium on Society & Resource Management*, Keystone, CO, June 2-5.
- Li, C.L., Zinn, H.C., Chick, G.E., Graefe, A.R., & Absher, J.D. (2004). Hofstede's measure of cultural values in a National Forest recreation context. Presented at *Second International Conference on Monitoring and Management of Visitor Flows in Recreational and Protected Areas*, Rovaniemi, Finland, June 16-20.
- 2003 Zinn, H.C., & Vogel song, H.G. (2003). Normative beliefs about managing feral horses and domestic dogs in a coastal island preserve. Presented at *The Wildlife Society 10th Annual Conference*, Burlington, VT, September 6-10.
- Zinn, H.C., Harmon, L.K., Barro, S.C., & Manfredo, M.J. (2003). Wildlife value orientations of older hunters and their adult children. Presented at *The Wildlife Society 10th Annual Conference*, Burlington, VT, September 6-10.
- Zinn, H.C., Wang, G.A., & Tung, Y.F. (2003). Forest value orientations and management preferences for the Allegheny National Forest. Presented at *Northeast Recreation Research Symposium*, Bolton Landing, NY, April 6-8.

Peer-Reviewed Presentations, Continued

2003,
Continued

Harmon, L.K., Zinn, H.C., & Barro, S.C. (2003). Wildlife value orientations among older hunters in Pennsylvania. Presented at *Northeast Recreation Research Symposium*, Bolton Landing, NY, April 6-8.

Li, C.L., Zinn, H.C., Graefe, A.R., & Absher, J.D. (2003). A multi-ethnic comparison of service quality and satisfaction in National Forest recreation. Presented at *Northeast Recreation Research Symposium*, Bolton Landing, NY, April 6-8.

2002

Vogelsong, H., & Zinn, H.C. (2002). Visitor attitudes and preferences toward feral horse management at the Rachel Carson National Estuarine Research Reserve. Presented at *Ninth International Symposium on Society & Resource Management*, Indiana University, Bloomington, IN, June 2-5.

Li, C.L., Graefe, A.R., Burns, R.C., & Zinn, H.C. (2002). The relationship between social group, motivation, place attachment, satisfaction, and past experience in forest recreation. Presented at *Ninth International Symposium on Society & Resource Management*, Indiana University, Bloomington, IN, June 2-5.

Wang, G.A., Stedman, R.C., Zinn H.C., Finley, J.C., and Luloff, A.E. (2002). Toward a methodology to identify spatial distribution of white-tailed deer hunters. Presented at *Ninth International Symposium on Society & Resource Management*, Indiana University, Bloomington, IN, June 2-5.

Pfaffenbach, B.J., Zinn, H.C., & Dawson, C.P. (2002). Exploring satisfaction among paddlers in two Adirondack canoe areas. Presented at *Northeast Recreation Research Symposium*, Bolton Landing, NY, April 14-16.

Kerstetter, D.L., Graefe, A.R., & Zinn, H.C. (2002). Residents' Perceptions of Constraints to Visiting State Parks. Presented at *Northeast Recreation Research Symposium*, Bolton Landing, NY, April 14-16.

Li, C.L., Graefe, A.R., Burns, R., & Zinn, H.C. (2002). On-site experience, satisfaction, importance, motivation, & place attachment in forest recreation. Presented at *Northeast Recreation Research Symposium*, Bolton Landing, NY, April 14-16.

Peer-Reviewed Presentations, Continued

- 2001 Zinn, H.C., Harmon, L.K., Thapa, B., Kerstetter, D.L., & Graefe, A.R. (2001). An exploration of human territoriality in forest recreation. Presented at *Northeast Recreation Research Symposium*, Bolton Landing, NY, April 1-3.
- Li, C.L., Zinn, H.C., Thapa, B., Kerstetter, D.L., & Graefe, A.R. (2001). Newcomer/veteran status, activity participation patterns, visitor satisfaction and responses to management issues in forest recreation. Presented at *Northeast Recreation Research Symposium*, Bolton Landing, NY, April 1-3.
- Tung, Y.F., & Zinn, H.C. (2001). Motivations of volunteer nature interpreters in Taiwan. Presented at *Northeast Recreation Research Symposium*, Bolton Landing, NY, April 1-3.
- Schmalz, D.L., Kerstetter, D.L., & Zinn, H.C. (2001). Unique programming: An examination of the benefits of a free choice program. Presented at *Northeast Recreation Research Symposium*, Bolton Landing, NY, April 1-3.
- 2000 Zinn, H.C., Manfredi, M.J., & Vaske, J.J. (2000). Normative beliefs: A framework for understanding stakeholder responses to management issues. Presented at *Sixty-Second Midwest Fish and Wildlife Conference*, Minneapolis, MN, December 3-6, 2000.
- Zinn, H.C., Manfredi, M.J., & Barro, S.B. (2000). Value orientations toward the natural environment in families of hunters. Presented at *Eighth International Symposium on Society & Resource Management*, Western Washington University, Bellingham, WA, June 18-22.
- Li, C.L., Zinn, H.C., Manfredi, M.J., & Barro, S.B. (2000). Outdoor recreation patterns of older Pennsylvania and Colorado hunters. Presented at *Northeast Recreation Research Symposium*, Bolton Landing, NY, April 2-4.
- Wickham, T.D., & Zinn, H.C. (2000). Human territoriality: Examination of a construct. Presented at *Northeast Recreation Research Symposium*, Bolton Landing, NY, April 2-4.
- 1999 Zinn, H.C., Pierce, C.L., & Manfredi, M.J. (1999). Gender differences in perceptions of human-mountain lion interactions. Presented at *Northeast Recreation Research Symposium*, Bolton Landing, NY, April 11-13.

Peer-Reviewed Presentations, Continued

- 1998 Zinn, H.C., & Manfredro, M.J. (1998). Responses to rational & emotional information about a trapping ban ballot initiative. Presented at *The Wildlife Society Annual Meeting*, Buffalo, NY, September 24-27.
- Zinn, H.C. (1998). An experimental test of rational & emotional appeals about a recreation resource issue. Accepted at *NRPA Leisure Research Symposium*, Miami Beach, FL, September 23-25. (Symposium canceled due to Hurricane Georges.)
- Zinn, H.C., Manfredro, M.J., Gill, R.B., & Sikorowski, L. (1998). Responses to persuasive appeals about a trapping ban ballot initiative. Presented at *Seventh International Symposium on Society & Resource Management*, University of Missouri, Columbia, MO, May 24-28.
- 1996 Zinn, H.C., Manfredro, M.J., Vaske, J.J., & Wittmann, K. (1996). Understanding normative beliefs about management actions toward wildlife. Presented at *Sixth International Symposium on Society & Resource Management*, Pennsylvania State University, University Park, PA, May 19-23.
- 1995 Zinn, H.C., & Andelt, W.F. (1995). Public perceptions of prairie dog management in Fort Collins, Colorado. Presented at *Annual Meeting of the Colorado Chapter of the Wildlife Society*, Grand Junction, CO, January 18-20.

Invited Presentations

- 2003 Zinn, H.C., & Miller, C.A. (2003). Public values and urban wildlife: A love/hate relationship, or too much of a good thing? Presented at: *Sixty-Eighth North American Wildlife and Natural Resources Conference*, Winston-Salem, NC, March 26-30.
- 2001 Zinn, H.C., Manfredro, M.J., & Barro, S.B. (2001). Wildlife value orientations in hunters' families. Presented at *Sixty-Third Midwest Fish and Wildlife Conference*, Des Moines, IA, December 9-12.
- 1999 Zinn, H.C., Manfredro, M.J., & Vaske, J.J. (1999). The social psychological basis for stakeholder acceptance capacity. Presented at *Congress on Recreation & Resource Capacity*, Snowmass, CO, November 29 – December 3.
- Zinn, H.C. (1999). Taking the pulse of our publics: Social science tools. Presented at *1999 Pennsylvania Forest Issues Conference: Natural Resource Management Interactive Opportunities*, University Park, PA, March 23.

Invited Presentations, Continued

- 1996 Zinn, H.C., & Manfredro, M.J. (1996). The impact of population change on recreation & resource management in Colorado. Presented at *Annual Meeting, San Juan Mountains Association*, Durango, CO, May 10-11.
- Zinn, H.C., Manfredro, M.J., Sikorowski, L. & Jones, J. (1996). Societal preferences for mountain lion management along Colorado's Front Range. Presented at *Fifth Mountain Lion Workshop*, San Diego, CA, February 28 – March 1.
- Zinn, H.C., & Manfredro, M.J. (1996). Population growth in Colorado: Implications for environmental education. Presented at *Colorado Environmental Education Leadership Conference*, Denver, CO, February 23-25.
- 1995 Zinn, H.C., & Manfredro, M.J. (1995). Public opinion regarding mountain lion management along Colorado's Front Range. Presented at *Annual Meeting of the Western Association of Fish and Wildlife Agencies*, Big Sky, MT, July 17-20. (Presented by Manfredro.)
- Manfredro, M.J., & Zinn, H.C. (1995). Population change and its implications for wildlife management in the New West. Presented at *Annual Meeting of the Western Association of Fish and Wildlife Agencies*, Big Sky, MT, July 17-20. (Presented by Manfredro.)
- 1994 Zinn, H.C., & Andelt, W.F. (1994). Social responses to prairie dogs in Fort Collins, Colorado. Presented at *Front Range Prairie Dogs – Today & Tomorrow*, Denver, CO, March 31. Co-Sponsors: Colorado Division of Wildlife & City of Boulder, Colorado Open Space Department.
- 1993 Manfredro, M.J., & Zinn, H.C. (1993). Attitude trends regarding controlled-burn fire policies. Presented at *Fire in Wilderness and Park Management: Past Lessons and Future Opportunities*, Missoula, MT. Co-Sponsors: USDI National Park Service, USDA Forest Service, University of Montana, and others. (Presented by Manfredro.)

Poster Sessions

- 2001 Yang, H., & Zinn, H.C. (2001). City parks in People's Republic of China: Influential factors, current problems and directions of construction. Presented at *Northeast Recreation Research Symposium*, Bolton Landing, NY, April 1-3.

Poster Sessions, Continued

- 1990 Zinn, H.C., Newby, F.L., Risk, P.H., & Fusselman, M.J. (1990). New river recreation access on the lower Penobscot River. Presented at *Annual Meeting of the New England Chapter, Society of American Foresters*, Manchester, NH, March.

Technical Reports

- 2003 Zinn, H.C., Wang, G.A., Tung, Y.F., Kerstetter, D.L., & Graefe, A.R. (2003). Stakeholder Characteristics, Forest Value Orientations, and Management Preferences for the Allegheny National Forest: Report on a 2002 Survey. Report for USDA Forest Service, Allegheny National Forest. University Park, PA: The Pennsylvania State University, Recreation & Park Management Program.
- Li, C.L., Zinn, H.C., Graefe, A.R., & Absher, J.D. (2003). *A multi-ethnic comparison of service quality and satisfaction in national forest recreation*. Unpublished report. Riverside, CA: U.S. Department of Agriculture, Forest Service, Pacific Southwest Research Station.
- 2002 Zinn, H.C., Kerstetter, D.L., Graefe, A.R., Li, C.L., Thapa, B., & Harmon, L.K. (2002). *Level and type of use on Bald Eagle State Forest: Report on a 1999-2000 visitor survey*. Report for Pennsylvania Department of Conservation and Natural Resources, Bureau of Forestry. University Park, PA: The Pennsylvania State University, Recreation & Park Management Program.
- Luloff, A.E., Brennan, M.A., Finley, J.C., Stedman, R.C., Bridger, J.C., Wang, G.A., San Julian, G.J., Diefenbach, D.R., & Zinn, H.C. (2002). *Hunter Attitudes and Behaviors, 2002*. Report for Pennsylvania Habitat Alliance. University Park, PA: The Pennsylvania State University, School of Forest Resources and School of Hotel, Restaurant, and Recreation Management.
- 2000 Confer, J., Graefe, A.R., Kerstetter, D.L., Zinn, H.C., Wickham, T.D., & Robertson, R. (2000). *Recreation issues in forest planning revision for the White Mountain National Forest*. Report for USDA Forest Service, White Mountain National Forest. University Park, PA: The Pennsylvania State University, Recreation & Park Management Program.
- Kerstetter, D.L., Zinn, H.C., Graefe, A.R., & Chen, B. (2000). *Perceived constraints to Pennsylvania State Park use: A case study of residents*. Report for the Pennsylvania Department of Conservation and Natural Resources, Bureau of State Parks. University Park, PA: The Pennsylvania State University, Recreation & Park Management Program.

Technical Reports, Continued

- 1996 Zinn, H.C., & Manfredi, M.J. (1996). *Societal preferences for mountain lion management along Colorado's Front Range* (Project Report No. 28). Report for the Colorado Division of Wildlife. Fort Collins, CO: Colorado State University, Human Dimensions of Natural Resources Unit.
- 1994 Zinn, H.C., & Andelt, W.F. (1994). *Attitudes of Fort Collins residents toward prairie dogs*. Project Report for the City of Fort Collins, Colorado, Natural Resources Division. Fort Collins, CO: Colorado State University, College of Natural Resources.
- 1993 Zinn, H.C., & Manfredi, M.J. (1993). *Boulder Open Space visitation study*. Project Report for City of Boulder, Colorado, Open Space Department and Design Workshop. Fort Collins, CO: Colorado State University, Human Dimensions of Natural Resources Unit.
- 1992 Zinn, H.C., & Manfredi, M.J. (1992). *Workshop proceedings: Integrating human dimensions research and natural resource management in the Rocky Mountain region*, Fort Collins, CO, March 4-6. Co-Sponsors: Colorado Division of Wildlife and Colorado State University, Human Dimensions in Natural Resources Unit.
- 1991 Zinn, H.C., Newby, F.L., Risk, P.H., Mattila, L.J., Craig, N., & Gordon, G. (1991). *Angler activity on two segments of the lower Penobscot River*. Project Report for Bangor Hydro-Electric Company. Orono, ME: University of Maine, College of Forest Resources.
- 1990 Zinn, H.C. (1990). *A comparison of Allagash Wilderness Waterway users: Summer 1998 and Spring 1989*. Project Report for Maine Bureau of Parks and Recreation. Orono, ME: University of Maine, College of Forest Resources.
- 1989 Zinn, H.C. (1989). *Visitor distribution, characteristics, and preferences on the Allagash Wilderness Waterway*. Project Report for Maine Bureau of Parks and Recreation. Orono, ME: University of Maine, College of Forest Resources.
- Fusselman, M.J., & Zinn, H.C. (1989). *Veazie hydro-electric station: An interpretive proposal*. Project Report for Bangor Hydro-Electric Company. Stillwater, ME: Recreation Associates.
- Risk, P.H., Chapman, K.W., Fusselman, M.J., & Zinn, H.C. (1989). *Draft interpretive master plan for the Basin Mills hydro-electric project*. Project Report for Bangor Hydro-Electric Company. Orono, ME: University of Maine, College of Forest Resources.

Technical Reports, Continued

- 1989,
Continued
- Risk, P.H., Fusselman, M.J., & Zinn, H.C. (1989). *Interpretive and recreational resource inventory for the Basin Mills and Milford hydro-electric projects*. Project Report for Bangor Hydro-Electric Company. Orono, ME: University of Maine, College of Forest Resources.
- Risk, P.H., Fusselman, M.J., & Zinn, H.C. (1989). *Recreational resources inventory for the Milford headpond*. Project Report for Bangor Hydro-Electric Company. Orono, ME: University of Maine, College of Forest Resources.

GRANTS AND CONTRACTS

- 2004-2005
- Zinn, H.C., Graefe, A.R., Kerstetter, D.L., & Morais, D. (\$20,355). Social assessment for the Allegheny National Forest. Project for USDA Forest Service, Allegheny National Forest. The Pennsylvania State University, School of Hotel, Restaurant, and Recreation Management.
- 2004-2005
- Wickham, T.D., Zinn, H.C., & Mueller, T.R. Future of hunting in Pennsylvania. (\$49,488). Project for Center for Rural Pennsylvania. California University of Pennsylvania, Department of Earth Sciences, and The Pennsylvania State University, School of Hotel, Restaurant, and Recreation Management.
- 2003-2004
- Finley, J.C., Luloff, A.E., San Julian, G.J., Zinn, H.C., Stedman, R.C., & Diefenbach, D.R. Hunter movement study, Phase II. (\$50,000). Project for Pennsylvania Audubon Society. The Pennsylvania State University, School of Forest Resources and School of Hotel, Restaurant, and Recreation Management.
- 2002-2003
- Zinn, H.C., Li, C.L., & Graefe, A.R. A cross-cultural comparison of service quality and satisfaction in National Forest recreation. (\$12,077). Project for USDA Forest Service, Pacific Southwest Research Station, Evanston, IL. The Pennsylvania State University, School of Hotel, Restaurant, and Recreation Management.
- 2002-2003
- Wang, G.A., McDill, M.E., Zinn, H.C. Social assessment of the Allegheny National Forest region, Phase II. (\$18,018). Project for USDA Forest Service, Allegheny National Forest, Warren, PA. The Pennsylvania State University, School of Forest Resources.

GRANTS AND CONTRACTS, Continued

- 2001-2002 Finley, J.C., Luloff, A.E., Wang, G.A., San Julian, G.J., Zinn, H.C., Stedman, R.C., Diefenbach, D.R., & Bridger, J.C. Landowner survey. (\$59,625). Project for National Audubon Society. The Pennsylvania State University, School of Forest Resources and School of Hotel, Restaurant, and Recreation Management.
- 2001-2002 Finley, J.C., Luloff, A.E., Wang, G.A., San Julian, G.J., Zinn, H.C., Stedman, R.C., Diefenbach, D.R., & Bridger, J.C. Hunter movement study. (\$62,388). Project for National Audubon Society. The Pennsylvania State University, School of Forest Resources and School of Hotel, Restaurant, and Recreation Management.
- 2001-2002 Finley, J.C., Luloff, A.E., Diefenbach, D.R., San Julian, G.J., Wang, G.A., & Zinn, H.C. Hunter survey. (\$43,724). Project for National Audubon Society & Audubon Pennsylvania. The Pennsylvania State University, School of Forest Resources and School of Hotel, Restaurant, and Recreation Management.
- 2000-2001 Baldwin, C.K., Zinn, H.C., & Caldwell, L.L. Penn State's ORION wilderness orientation program: Outcomes of participation. (\$7,946). Grant from The Pennsylvania State University, College of Health and Human Development Seed Grant Program.
- 1999-2001 Zinn, H.C. Exploring shifts in value orientations toward the natural environment. (\$26,018). Project for USDA Forest Service, North Central Research Station, Evanston, IL. The Pennsylvania State University, School of Hotel, Restaurant, and Recreation Management.
- 1999-2000 Kerstetter, D.L., Graefe, A.R., & Zinn, H.C. Level and type of use among State Forest users: A case study of the Bald Eagle State Forest (\$40,323). Project for Pennsylvania Department of Conservation and Natural Resources, Bureau of Forestry, Harrisburg, PA. The Pennsylvania State University, School of Hotel, Restaurant, and Recreation Management.
- 1999-2000 Kerstetter, D.L., Graefe, A.R., & Zinn, H.C. Perceived constraints to park use among Pennsylvania residents. (\$55,710). Project for Pennsylvania Department of Conservation and Natural Resources, Bureau of State Parks, Harrisburg, PA. The Pennsylvania State University, School of Hotel, Restaurant, and Recreation Management.
- 1998-1999 Graefe, A.R., Confer, J., Kerstetter, D.L., Zinn, H.C., & Robertson, R. Recreation issues in forest planning revision for the White Mountain National Forest. (\$24,709). Project for USDA Forest Service, White Mountain National Forest, Laconia, NH. The Pennsylvania State University, School of Hotel, Restaurant, and Recreation Management.

GRANTS AND CONTRACTS, Continued

1990-1991 Zinn, H.C., & Newby, F.L. Angler activity on the lower Penobscot River. (\$40,000). Project for Bangor Hydro-Electric Company, Bangor, ME. University of Maine, College of Forest Resources.

INSTRUCTION

The Pennsylvania State University, 1998-present

Fall 2004	LEST 527 Social Psychology of Leisure RPM 465 Management of Recreation Services
Spring 2004	LEST 597E Tourism & the Environment RPM 320 Recreation Resources Planning & Management
Fall 2003	LEST 527 Social Psychology of Leisure RPM 320 Recreation Resources Planning & Management
Spring 2003	RPM 320 Recreation Resources Planning & Management RPM 480 Senior Management Seminar
Fall 2002	LEST 590 Leisure Studies Colloquium RPM 320 Recreation Resources Planning & Management
Spring 2002	RPM 320 Recreation Resources Planning & Management RPM 480 Senior Management Seminar
Fall 2001	RPM 320 Recreation Resources Planning & Management
Spring 2001	LEST 597H Tourism & the Environment RPM 320 Recreation Resources Planning & Management
Fall 2000	LEST 590 Leisure Studies Colloquium (team-taught) RPM 320 Recreation Resources Planning & Management
Spring 2000	RPM 356 Programming in Recreation Services (2 sections) RPM 433M Research & Evaluation in Recreation & Parks (team-taught)
Fall 1999	LEST 550 Seminar in Leisure Studies: Recreation & Tourism Planning LEST 590 Leisure Studies Colloquium (team-taught) RPM 356 Programming in Recreation Services (2 sections)
Spring 1999	RPM 356 Programming in Recreation Services (2 sections)
Fall 1998	RPM 356 Programming in Recreation Services (2 sections)
Spring 1998	LEST 550 Seminar in Leisure Studies: Research Presentations

Colorado State University, 1991-1997

Spring 1997	RR 442 Tourism Planning (teaching assistant)
Fall 1995	NR 330 Human Dimensions in Natural Resources
Spring 1995	NR 330 Human Dimensions in Natural Resources
Fall 1991	RR 220 Introduction to Recreation Resources (teaching assistant)

INSTRUCTION, Continued

University of Maine, 1989-1991

Spring 1991	RPM 355 Visitor Behavior Management RPM 452 Principles of Interpretation (team-taught)
Fall 1990	RPM 225 Readings in Recreation Management
Spring 1990	RPM 554 Recreation Planning Seminar (team-taught)
Fall 1989	RPM 225 Readings in Recreation Management RPM 352 Forest Recreation Management

PROFESSIONAL SERVICE

Editing & Reviewing

Associate Editor	<i>Leisure Sciences</i> , 1999-Present
Manuscript Referee	<i>North American Journal of Fisheries Management</i> , 2004 <i>Proceedings of the 7th Biennial Conference of Research on the Colorado Plateau</i> , 2004 <i>Human Dimensions of Wildlife</i> , 1996-Present <i>Journal of Park and Recreation Administration</i> , 1995-Present <i>Society and Natural Resources</i> , 2001-Present <i>Journal of Interpretation Research</i> , 1997-1999 <i>Journal of Leisure Research</i> , 1999 <i>Leisure Sciences</i> , 1998 <i>Wildlife Society Bulletin</i> , 1998
Abstract Referee	National Recreation and Park Association, Leisure Research Symposium, 1998 & 2001

Professional Outreach

2003-2004	Steering Committee Member: Urban Wildlife Workshop. The Wildlife Society Annual Meeting. Calgary, Alberta. September, 2004.
2003-2004	Steering Committee Member: Northeast Recreation Research Symposium. Bolton Landing, New York.
2003	Invited Speaker: Pennsylvania Department of Conservation and Natural Resources, Recreation Advisory Committee Meeting, University Park, PA, March 6, 2003. Topic: Recreation opportunity spectrum: Experience-based zoning for outdoor recreation.

Professional Outreach, Continued

- 2002 Invited Speaker: Pennsylvania Department of Conservation and Natural Resources, District Foresters' Meeting, University Park, PA, July 23, 2002. Topic: Monitoring recreation on State Forest land: Past experience and recommendations for the future.
- Invited Speaker: Pennsylvania Deer Forum Meeting, Harrisburg, PA, May 29, 2002. Topic: "Deer Hunting and Deer Hunters: What We Have and What Hunters Want."
- Invited Speaker: Pennsylvania Department of Conservation and Natural Resources, Recreation Advisory Committee Meeting, University Park, PA, May 9, 2002. Topic: Recreational use of the Bald Eagle State Forest: Report on a 1999-2000 visitor survey.
- 2001- Invited Member: Recreation Advisory Committee, Pennsylvania
Present Department of Conservation and Natural Resources.
- 2001 Invited Speaker: Pennsylvania Game Commission, Commissioners' Working Meeting, Harrisburg, PA, October 1, 2001. Topic: "Wildlife value orientations in hunters' families."
- Invited Speaker: Centre Region Parks and Recreation, Millbrook Marsh Environmental Center, State College, PA, August 3, 2001. Topic: "Changing environmental values."
- 1997 Invited Speaker: Annual Meeting of the Colorado/Wyoming Chapter of the Society of American Foresters, Glenwood, CO, May, 1997. Topic: "The impact of population change on recreation and resource management in Colorado."
- Invited Speaker: USDA Forest Service Pike-San Isabel National Forest, Annual Planning Meeting, Colorado Springs, Colorado, June, 1997. Topic: "Social science, Colorado population change, and the evolving conservation philosophy."
- 1994 Small Group Facilitator: Enhancing recreational opportunities in small-game and waterfowl hunting workshop. Fort Collins, CO, July, 1994. Co-Sponsors: Colorado Division of Wildlife and Colorado State University, Human Dimensions in Natural Resources Unit.
- 1993 Training Session: City of Boulder, Colorado, Open Space Department, Boulder, CO, May, 1993. Topic: "Human territoriality and recreation on public lands: How the human impulse to control space complicates natural resource management."

Professional Outreach, Continued

- 1993,
Continued Steering Committee Member: Annual Meeting of the Colorado/Wyoming Chapter of the Society of American Foresters. Fort Collins, CO, March, 1993.
- 1992 Workshop Coordinator: Integrating human dimensions research and natural resource management in the Rocky Mountain region. Fort Collins, CO, March, 1992. Co-Sponsors: Colorado Division of Wildlife and Colorado State University, Human Dimensions in Natural Resources Unit.
- 1990 Training Session: Physical impacts on backcountry campsites: Causes, prevention, and rehabilitation. For Maine Bureau of Parks and Recreation, Allagash Wilderness Waterway, Greenville, ME, April, 1990.

PROFESSIONAL MEMBERSHIPS AND LICENSING

Human Dimensions Society, since 2001.
International Association for Society & Natural Resources, since 2002.
National Recreation & Parks Association, since 1989.
Society of American Foresters, since 1989.
The Wildlife Society, since 1995.
Licensed Professional Forester, Maine, since 1989.

OTHER EMPLOYMENT

- 1977-1987 Harry Zinn Custom Woodworking, Inc.
Blue Hill, Maine
- Owned and operated cabinet shop, manufactured residential cabinets, custom furniture, and architectural millwork.