

CURRICULUM VITAE

David B. Kittredge, Jr.

Associate Professor/ Extension Forester
Department of Natural Resources Conservation
Holdsworth Natural Resources Center
University of Massachusetts
Amherst, Massachusetts 01003
USA
dbk@forwild.umass.edu
September 2002

EDUCATION:

- 1974 - 1978. University of Vermont, Burlington.
Bachelor of Science, Forestry; minor, Botany
- 1978 - 1980. Yale University. New Haven, Connecticut.
Master of Forest Science, Silviculture
- 1981 - 1986. Yale University. New Haven, Connecticut.
Master of Philosophy, 1983.
Doctor of Philosophy, 1986.

EMPLOYMENT:

June 1980 - May 1981. Consulting Forester, New England Forestry Foundation, Lincoln, New Hampshire. Work included a variety of forestry services for non-industrial private forest landowners, such as boundary survey; timber cruising and valuation; timber sale planning, marking, and supervision; tree planting; Christmas tree culture; forest management planning; timber stand improvement. Hugh Putnam, Executive Director, Boston, MA.

Summer 1981. Furstliche Furstenbergische Forstdirektion, Donaueschingen, West Germany. Forestry Intern on the second largest private forest estate in West Germany (30,000 hectares). forest inventory and mapping. Dr. L. von Sperber, Forest Director.

September 1981 to August 1986. Yale School of Forestry and Environmental Studies:

Teaching Assistant; Forest Management. 2 semesters.

Instructor, 3-week Summer Module Program, August 1984 and 1985. Instructing incoming groups of 15-20 students in field skills of land measurement and mapping.

August 1982 - August 1986. Manager of Yale Forests, as a half-time salaried member of the University Staff. Responsibilities included planning and implementation of all forest management activities on 10,000 acres of forestland in Connecticut, New Hampshire, and Vermont (5 parcels ranging in size from 75 - 7800 acres; annual harvest of approximately 750 Mbf); instruction and coordination of 3-5 summer workers; acting as liaison between local towns, neighboring landowners, and Yale University; participation in ongoing research, field instruction, and demonstration activities on all University Forest Properties. David M. Smith, Director of School Forests.

September 1986 - December 1986. Department of Renewable Natural Resources, University of Connecticut. Post-doctoral Fellow in Forest Management. Taught two courses in forest management in the fall semester, and advised on management of University Forest properties. David Schroeder, Department Chair.

January 1987 - December 1992. Department of Forestry and Wildlife Management. University of Massachusetts. Assistant Professor/ Extension Forester. Responsibilities include: the transfer of technical assistance and information to forest landowners, practicing foresters, the forest products industry, and the general public via a variety of educational programs and activities (including response to over 350 individual requests annually for specific information); teaching a course once annually in verbal communication skills to undergraduate students and serving as an academic advisor; conducting research in natural and artificial forest regeneration techniques and directing the work of several graduate students and serving on graduate committees. Donald G. Arganbright, Department Head.

January 1993 - present. Department of Natural Resources Conservation (formerly Forestry and Wildlife Management). University of Massachusetts. Associate Professor/ Extension Forester. responsibilities similar to those listed above. Undergraduate teaching responsibilities include a 3-credit course in timber harvesting and a 3-credit Introduction to Forestry. Overall faculty appointment: 50% Service, 30% Teaching, 20% Research. William McComb, Department Head.

SERVICE:

University of Massachusetts, Department of Natural Resources Conservation

Undergraduate Forestry Program Chair, 1998 - 2001

Personnel Committee. 12 years; Chair, 1992-93, 2000-01.

Department Head Search Committee Chair: 1995-96.

Search Committee Chair, Ecosystem Management faculty position: 1996-97.

University of Massachusetts, College of Food and Natural Resources.

College Personnel Committee, 1995-1998; Chair, 1997-98.

Professional Service:

1987 Elected Secretary-Treasurer, Yankee Division (MA, CT, RI), Society of American Foresters, elected Vice Chair, 1988, elected Chair, 1989

1987-1991 Board of Directors, Pinchot Institute for Conservation Studies, Milford, PA.

1987 Elected Secretary, Northeast Forest Resource Extension Council (NEFREC), elected Vice Chair, 1988, elected Chair, 1989

1989 Elected to be a Member of the Corporation, New England Forestry Foundation. Board of Directors, 1993. Re-elected, 1997. Elected Vice President, 2000.

1991 Elected Vice Chair, New England Society of American Foresters; Chair, 1992.

1992-95 appointed to the National Committee on Forest Policy, Society of American Foresters

1999 – 2001 appointed to the first Massachusetts Forester Licensing Board; elected Chair

Outreach and Extension

Target audience #1: Professional Practicing Foresters

Between 1987 and 2001, I co-organized (with my CT Extension Forester counterpart) 13 1-day Continuing Forestry Education workshops, on topics such as Forest Biology, Forest Sampling, Forest Health, Forest Soils, Spatial Analysis, and Microcomputer Application, with attendance ranging from 100-175.

Program Committee, New England Society of American Foresters annual winter meeting: 1988, 1992 (Chair), 1996, 2000. (attendance between 250-350).

Southern New England Stumpage Price Reporting system: 1988 to present. Survey over 300 foresters and loggers on a quarterly basis; combine with data from CT and RI to produce a market report for standing timber in the tri-state area.

Publications: see below.

Target audience #2: Professional Loggers

Between 1987 and 2001, organized (with Massachusetts Dept. of Environmental Management) five 1-day workshop series (i.e., replicated in several locations) on topics such as: erosion control, rare species habitat protection, logging and aesthetics, and first aid/CPR. Overall attendance: 100-150 loggers per workshop series.

Publications: see below.

Target audience #3: Community opinion leaders

Coverts Program. 1988 to present. 3-day annual training workshop designed to enable motivated forest owners and community opinion leaders to serve as effective spokespersons or advocates for forest stewardship. Participants commit to 12 months of subsequent outreach in their respective communities. Between 1988 and 2001, there have been 280 participants from 164 Massachusetts communities. Coverts cooperators have owned a collective total of over 15,000 acres. Through their local board, committee, or ngo, they have been involved in the stewardship of over 153,000 acres of land.

Publications: see below.

General activities:

Direct response to between 2 and 3 requests per day from the public for information related to trees, forests, and forestry.

TEACHING:Undergraduate courses taught:

Forestry 492: Verbal Communication Skills (3 cr.): 1988 – 1992
Enrollment: 12-25

Forestry 542: Timber Management (2 cr.): 1997
Enrollment: 10

Forestry 321: Timber Harvesting (3 cr.): 1993-2001
Enrollment: 21-30

Forestry 110: Introduction to Forestry (3 cr.): 1998-2001
Enrollment: 90-135

Graduate students:

1. John S. Swett. "Response of suppressed white pine to overstory thinning". Master of Science, 1990.
2. Chenyun Gao. "An integrated methodology for analyzing uncertainty in forestry investments". Master of Science 1992.
3. Donald R. Bertolette. "Identification of multi-spectral and textural signatures of old-growth forests from remotely-sensed images of northwestern Massachusetts". Master of Science 1993.
4. Mark Rickenbach.. "Ecosystem management and nupf landowners in Franklin county, Massachusetts: an assessment of attitudes". Master of Science 1996.
5. Dan Moore. Conservation education/ nature interpretation. Master of Science. 1999.
6. Dan Belin. "Ecosystem management in a landscape dominated by small private ownerships". Master of Science September 2002.
7. Andrew Finley. "Ecosystem management in a landscape dominated by small private ownerships". Master of Science September 2002.
8. Charles Hersey. Master of Science in progress.

RESEARCH:Refereed Research Publications:

Kittredge, D.B. 1988 The Influence of species composition on the growth of individual red oaks in mixed stands in Southern New England. Canadian Journal of Forest Research 18: 1550-1555.

Kittredge, D.B., and P.M.S. Ashton. 1990. Natural regeneration patterns in even-aged mixed stands in southern New England. Northern Journal of Applied Forestry 7(4):163-168.

- Broderick, S.H., Kittredge, D.B., Decker, D., and N. Connelly. 1991. Practicing forester's research needs in the northeastern United States. Journal of Forestry 89: 27-35.
- Kittredge, D.B., Kelty, M.J., and P.M.S. Ashton. 1992. The use of tree shelters with Northern red oak (*Quercus rubra* L.) natural regeneration in southern New England. Northern Journal of Applied Forestry 9(4):141-145.
- Kittredge, D.B. and P.M.S. Ashton. 1995. White tailed-deer and their browse effect on seedling regeneration of mixed species stands in southern New England. Northern Journal of Applied Forestry 12(3): 115-120.
- Kittredge, D.B. 1996. Protection of habitat for rare wetland fauna during timber harvesting in Massachusetts (USA). Natural Areas Journal 16 (4): 310-317.
- Kittredge, D.B., M.J. Mauri, and E.J. McGuire. 1996. Decreasing woodlot size and the future of timber sales in Massachusetts: when is an operation too small? Northern Journal of Applied Forestry 13(2): 96-101.
- Rickenbach, M.G., D.B. Kittredge, D. Dennis, and T. Stevens. 1998. Ecosystem management: capturing the concept for woodland owners. Journal of Forestry 96(4): 18-24.
- Stevens, T., D. Dennis, D.B. Kittredge, and M.G. Rickenbach. 1999. Attitudes and preferences toward cooperative agreements for management of private forestlands in the northeastern United States. Journal of Environmental Management 55: 81-90.
- Kittredge, D.B., M.G. Rickenbach, and S.H. Broderick. 1999. Regulation and stumpage prices: a tale of two states. Journal of Forestry 97(10):12-16.
- Stevens, T.H., R. Belkner, D. Dennis, D.Kittredge, and C. Willis. 2000. Comparison of contingent valuation and conjoint analysis in ecosystem management. Ecological Economics 32(2000): 63-74.
- Bliss, J. G. Aplet, C. Hartzell, P. Harwood, P. Jahnige, D. Kittredge, S. Lewandowski, and M.L. Soscia. 2001. Community-based Ecosystem Monitoring. Journal of Sustainable Forestry 12 (no.3/4):143-167.
- Klosowski, R., T. Stevens, D. Kittredge, and D. Dennis. 2001. Economic incentives for coordinated management of forest land: a case study of southern New England. Forest Policy and Economics 2(2001): 29-38.
- Berlik, M.M., D.B. Kittredge, and D.X.R. Foster. *In press*. The illusion of preservation: a global environmental argument for the local production of natural resources. Journal of Biogeography.
- Stevens, T.H, S. White, D.B. Kittredge, and D. Dennis. *In press*. Factors affecting NIPF landowner participation in management programs: a Massachusetts case study. Journal of Forest Economics.
- Kelty, M.J., D.B Kittredge, Jr., T. Kyker-Snowman, and A.D. Leighton. *In press*. The conversion of even-aged stands to uneven-aged structure in southern New England. Northern Journal of Applied Forestry.
- Kittredge, D.B., A.O. Finley, and D.R. Foster. *In review*. Regional pattern of timber harvesting in a landscape of diverse ownership. Forest Ecology and Management.
- Kittredge, D.B. *in review*. Private forest owners in Sweden: large-scale cooperation in action. Journal of Forestry.

Editorially Reviewed Publications in Professional Journals:

Kelty, M.J., and D.B. Kittredge. 1986. Potential applications of British tree shelters to hardwood regeneration in the northeastern United States. Northern Journal of Applied Forestry 3(4): 173-174.

Kittredge, D.B. 1987. What keeps the green side growing up and the brown side growing down? The American Tree Farmer 7(1): 14-15.

Kittredge, D.B. 1988. book review of: "Forest Vegetation Management for Conifer Production", by J.D. Walstad and P.J. Kuch. 523 pp. John Wiley and Sons, New York. In: Journal of Forestry 1:43-44.

Kittredge, D.B. 1989. Successful natural regeneration of eastern white pine: applying new and old knowledge. Practical Forestry 1(2): 8-12.

Kittredge, D.B. 1990. Vernal Pools: What do they mean to Tree Farmers? American Tree Farmer. Summer 1990, p. 24.

Roble, S. and D.B. Kittredge. 1991. Protection of vernal pools during timber harvesting. The Northern Logger. May 1991, pp. 6, 53.

Rizzo, R. and D.B. Kittredge. 1992. Insurance the killer for Massachusetts logging contractors. The Northern Logger 40 (11): 18, 24-25.

Kittredge, D.B. 1992. Regional Cooperative Extension Programming: the Value of Identifying Common Issues. Journal of Extension. Fall 1992. pp. 37-38.

Campbell, S.M., and D.B. Kittredge. 1992. Woodscape Crew for Small Woodlot Management in Southeastern Massachusetts. Northern Journal of Applied Forestry 9(3): 116-118.

Brooks, R.T., Kittredge, D.B., and C.L. Alerich. 1993. Forest Resources of Southern New England. USDA Forest Service Resource Bulletin NE-127, Northeast Forest Experiment Station. 71 pp.

Petersen, C.M., and D.B. Kittredge, Jr. 1993. Biodiversity: looking at life through a wide-angled lens. Massachusetts Wildlife vol. 43, no.4. pp.14-21.

Kittredge, D.B. 1994. Biodiversity: what is it and why is it important? Northern Logger 42 (10), pp. 8-9.

Kittredge, D.B. 1995. Logging and the protection of rare wetland species habitat. The Northern Logger vol. 44(4): 28-33.

Mauri, M. J., D.B. Kittredge, Jr., and E.J. McGuire. 1996. Massachusetts Loggers: Carving a future from smaller woodlots. The Northern Logger vol. 44(9): 40-41.

Campbell, S.M. and D.B. Kittredge. 1996. Application of an ecosystem-based approach to management on multiple nipf ownerships: a pilot project. Journal of Forestry 2:24-29.

Kittredge, D.B. and C. Woodall. 1997. Use of portable skidder bridges in western Massachusetts. The Northern Logger. vol. 46 (4): 26-27, 36.

Leak, W.B., M. Yamasaki, D.B. Kittredge, N.I. Lamson, and M.L. Smith. 1997. Applied ecosystem management on nonindustrial forestlands. USDA Forest Service, Northeast Forest Experiment Station, General Technical Report NE-239. 30 pp.

Kittredge, D.B., and A.M. Kittredge. 1998. Doing Nothing. Journal of Forestry 96(6): 64.

Dennis, D.F., T.H. Stevens, D.B. Kittredge, and M.G. Rickenbach. 1999. Nonindustrial private forests: perspectives on ecosystem management. In: Proceeding of the joint meeting of Canadian and Northeastern Forest Economists. 1998. Fredericton, NB, Canada.

Kittredge, D.B. 1999. Losing Interior Forest in Massachusetts. Woodland Steward 29(2): 4-5.

Kittredge, D.B. and A.M. Kittredge. 1999. Interior and edge: the forest in Massachusetts. Massachusetts Wildlife no. 3, pp. 22-28.

Kittredge, D.B., and W. Haslam. 2000. What the market will bear. The Woodland Steward. 29(5): 3-4.

Kittredge, D.B., and W. Haslam. 2000. The spread in lump sum stumpage price bids. Northern Journal of Applied Forestry 17(1): 7-8.

Peer-reviewed book chapters:

Fuller T.K. and D.B. Kittredge. 1996. "Conservation of large forest carnivores". In: Conservation of faunal diversity in forested landscapes. pp. 137-164. R.M. DeGraaf and R. I. Miller, editors. Chapman and Hall. London.

Kittredge, D.B. 1996. "Changes in global forest distribution". In: Conservation of faunal diversity in forested landscapes. pp. 37-60. R.M. DeGraaf and R. I. Miller, editors. Chapman and Hall. London.

Invited Publications in Proceedings:

Kittredge, D.B. 1989. Potential markets for landclearing wood. In: Proceedings of the Massachusetts Tree Wardens, Arborists, and Utilities Conference. pp. 18-23.

Kittredge, D.B. 1989. Managing town forests. In: Proceedings of the Massachusetts Tree Wardens, Arborists, and Utilities Conference. pp. 9-13.

Kittredge, D.B., and W.M. Healy. 1991. Uneven-aged forest management: implications for wildlife and habitat management. In: Proceedings of New Jersey SAF annual meeting: "Uneven-aged Management of Hardwoods in the Northeast", Lambertville, NJ, April 9-10. 5 pp.

Kittredge, D.B. 1991. Tree shelters: their applicability for regeneration in uneven-aged management. In: Proceedings of New Jersey SAF annual meeting: "Uneven-aged Management of Hardwoods in the Northeast", Lambertville, NJ, April 9-10. 5 pp.

Fuller, T.K., Kittredge, D.B., and H. Wang. 1992. Conservation status of large forest carnivores. In: Proceedings, International Union of Forest Research Organizations, Berlin, Germany, September 1992.

Beck, R. and D.B. Kittredge. 1994. "A comparison of private forestry programs in Massachusetts [USA] and Bavaria [Germany]". In: "Private forestry: changes and challenges for countries in transition". IUFRO conference 8/28/94 - 9/3/94.

Kittredge, D.B. and M.G. Rickenbach. 1996. The application of an ecosystem-based management model to a landscape owned by non-industrial private individuals. In: Proceedings, IUFRO working party S6.06-03. Approaches to Extension in Forestry- experiences and future developments. 9/30/96-10/4/96, Freising, Germany.

Stevens, T.H., R. Belkner, D. Kittredge, D. Dennis, and C. Willis. 1998. Willingness to participate in ecosystem management of nipf lands in the northeast. Western Regional Research Publication Proceedings. W-133. Benefits and costs of Resource Policies Affecting Public and Private Land. 11th Interim Report. June 1998. Compiled by P.M. Jakus. Dept. of Ag. Economics and Rural Sociology, Univ. of TN, Knoxville, TN. Pp. 313 - 347.

Kittredge, D.B., T.H. Stevens, and D. Dennis. 1999. Cooperation among private forest landowners: how much and in what ways? Proceedings, IUFRO working party S6.06-03. Working under a dynamic framework- forest ownership structures and extension. Bled, Slovenia, October 4-8, 1999. 8 pp.

Kittredge, D.B. 2001. Conserving Future Forest Productivity: Setting the Stage. Keynote Address, Proceedings, Penn State Forestry Issues Conference. March 20-21. State College, PA. 8 pp.

Extension Publications:

Kittredge, D.B. 1988. Wood Chip Market Trends. In: 1988 Forest Products Market Trends in Southern New England: An Annual Report. Connecticut Cooperative Extension Service, p.3

Kittredge, D.B. 1989. Wildland Fire and Your Home. University of Massachusetts, Cooperative Extension pamphlet.

Kittredge, D.B. 1989. Wildland Fire Awareness in Your Community. University of Massachusetts, Cooperative Extension. 8 p. booklet

Brooks, R.T. and D.B. Kittredge. 1989. Massachusetts Timber Resources: Volume and Value Change. In: Resources and Environment: Management Choices. Department of Agricultural and Resource Economics, University of Massachusetts Cooperative Extension Newsletter. 3 pp.

Kittredge, D.B. and M.L. Parker. 1989. Massachusetts Best Management Practices: Timber Harvesting Water Quality Handbook. Cooperative Extension, University of Massachusetts and Massachusetts Department of Environmental Management. 46 pp.

Kittredge, D.B., editor and contributor. 1989. Forester's Guide to White Pine Regeneration: an applied proceedings. Yankee Division, Society of American Foresters. 12 pp.

Kittredge, D.B. 1990. Gifford Pinchot- Forester, Conservationist. Massachusetts Forestry Association Letter, vol. 20, no. 2, 2 pp.

Mawson, J.C., and D.B. Kittredge. 1990. Practicing Foresters in Massachusetts. University of Massachusetts, Cooperative Extension publication C-177. 25 pp.

Petersen, C., and D.B. Kittredge. 1991. Biodiversity in Massachusetts. Current Issues in Forestry. Cooperative Extension, University of Massachusetts. Amherst, MA 4 pp.

Kittredge, D.B. 1993. "Managing Forest Land". In: Forest Use Manual: Planning Protection, and Management in Massachusetts. C.M. Petersen, editor. University of Massachusetts, Cooperative Extension. 35 pp.

Kittredge, D.B., and M. Parker. 1995. Massachusetts Forestry Best Management Practices Manual. Dept. of Env. Mgt. and the University of Massachusetts. 56 pp.

Campbell, S.M. and D.B. Kittredge. 1996. Practicing ecosystem management on private forestlands in Massachusetts. Stewardship Topics fact sheet, MA Department of Environmental Management. 6 pp.

Kittredge, D.B., C. Woodall, and A.M. Kittredge. 1997. Portable skidder bridge fact sheet. University of Massachusetts Cooperative Extension. Amherst, MA.

Broderick, S., D. Kittredge, and H. Bergey. 1998. Foresters and the care of your land: how to select one and what they do. Southern New England Forest Consortium. Chepachet, RI. 10 pp.

Petersen, C., D.B. Kittredge, and W. Archey. 2000. Forest Resources of Massachusetts. Massachusetts Department of Environmental Management, Division of Forests and Parks. 27 pp.

Ellsworth, J., R. Harrington, D. Kittredge, and J. Fish. 2001. Invasive plant fact sheet for loggers. UMass Extension and Department of Natural Resources Conservation, Amherst, MA.

GRANTS AND FUNDING:

"Silvicultural methods to induce natural regeneration in mixed stands in southern New England". McIntire-Stennis project. 1988 – 1991. \$ 26,000.

COVERTS Project in Massachusetts, to support a forest landowner / community opinion leader education program: \$ 119,080 over 11 years from the Ruffed Grouse Society, MA Department of Environmental Management, and MA Division of Fisheries & Wildlife.

"Wildland/ urban fire protection publications". \$10,000 from the Massachusetts Bureau of Fire Control to produce two publications on protecting homes and developments from wildfire. 1988. co PI: W.A. Patterson III

"Massachusetts Forest Products Week". Funds raised from a variety of private organizations to support publicity efforts. \$1,600 in 1988; \$725 in 1989.

"Timber harvesting/ erosion control handbook". \$2,000 from the USDA Soil Conservation Service to produce a handbook for foresters and loggers on erosion control methods, and organize workshops to publicize the material. 1988. co PI: Michael Whalen, Coordinator, Berkshire-Pioneer Resource Conservation and Development Area, Inc.

"Ecosystem management in a landscape dominated by non-industrial private owners". McIntire-Stennis Project. 1994, 1995, 1999. \$ 16,500.

"Ecosystem management in a landscape dominated by non-industrial private owners". Cooperative research agreement with the USDA Forest Service, Northeast Forest Experiment Station. Co-PI: Dr. Tom Stevens, Dept. of Resource Economics, University of Massachusetts. 1995, 1996, 1999. \$40,000

"Ecosystem management in a landscape dominated by small private ownerships". USDA National Research Initiative Competitive Grants Program. \$160,000. Co-PIs: T.H. Stevens, D. Dennis. 8/99 - 9/02.

Ford Foundation Sabbatical Fellowship to support work investigating forest owner cooperation in developed nations. June 2001 – August 2002, \$25,000

Swedish Information Service, Swedish American Consulate. Funds for sabbatical research trip to Sweden. 25,000 SKr (approximately \$3,000). May 2001.

HONORS AND AWARDS:

- 1978 Elected to Xi Sigma Pi, forestry honor society, University of Vermont
- 1978 Recipient of the Luther E. Zai Memorial Award, as the most promising graduating senior in forestry
- 1981 Recipient of a Yale University Graduate Student Fellowship, including tuition and living stipend for 1.5 years
- 1982 Winner, Thurn und Taxis Forest Science Prize, awarded by the West German family of Thurn und Taxis, to an exceptional young forest scientist. This award funded a 3-month visiting research position at the University of Munich, Department of Forestry, where I investigated individual-tree growth behavior in mixed beech-spruce stands, and a two-month study tour of forestry schools and research institutes throughout Europe and Scandinavia.
- 1986 Elected to the Yale University Chapter of Sigma Xi, the Scientific Research Society, as an associate Member.
- 1988 Outstanding Achievement Award, Berkshire-Pioneer Resource Conservation and Development Area, Inc.
- 1990 Young Forester Leadership Award, New England Society of American Foresters
- 1993 Awarded Toumey Award for Outstanding Service to the New England Society of American Foresters
- 1994 Presented with the Outstanding Forester Award by the Yankee Division, Society of American Foresters
- 1994 Bullard Fellow, Harvard Forest, Harvard University. 9/94-8/95.
- 1996 Certified Forester, Society of American Foresters.
- 1997 Superior Continuing Forestry Education Certificate. 300 hours of continuing education in five years. Society of American Foresters.
- 1998 Outstanding Extension Forestry Publication for the northeast, awarded by the National Woodland Owners Association and USDA Cooperative State Research, Education, and Extension Service.
- 1998 Certificate for Excellence in Academic Advising. Outstanding Advisor Award Program. College of Food and Natural Resources, University of Massachusetts.
- 1999 Ernest M. Gould Technology Transfer Award, New England Society of American Foresters
- 1999 appointed visiting scientist/ Forest Policy Analyst, Harvard Forest; Petersham, MA, through 2002
- 2000 Continuing Forestry Education Certificate. 450 or more hours of continuing education in seven years or less. Society of American Foresters.
- 2002 Continuing Forestry Education Certificate. 150 hours of continuing education in two years. Society of American Foresters

FOREIGN LANGUAGES:

Spanish: good reading ability

German: conversant, good reading ability

PERSONAL INFORMATION

Member, Society of American Foresters, Massachusetts Forestry Association, Massachusetts Audubon Society, Massachusetts Wood Producers Association, Natural Areas Association, The Nature Conservancy.

Shutesbury Open Space Planning Committee, 1997-1999. Elected to a three-year term on the Shutesbury Planning Board, 1998. Re-elected 2001. Chair, Shutesbury Master Plan Committee, 1999-2002.

Hobbies include nature photography, hiking, skiing, fishing, fly-tying, camping, canoeing, curling, history. Massachusetts Licensed Forester #127.