

CURRICULUM VITA, April 2024 Douglas L. Airhart
 Professor of Horticulture (School of Agriculture)
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Education

Doctor of Philosophy, Plant Sciences, 1977. University of Georgia, Athens. Dissertation: Wettability of Milled Pine Bark.
Master of Science, Water Resources Management, 1972. University of Wisconsin, Madison. Project: Public Involvement In Planning Process.

Bachelor of Science, Renewable Natural Resources, 1970. University of California, Davis. Project: Putah Creek Recreation Area - analysis and evaluation.

Professional Registration

Municipal Specialist # SO-1432AM, since 2006. International Society of Arboriculture, Atlanta, Georgia.

Certified Arborist # SO-1432A, since 1997. International Society of Arboriculture, Atlanta, Georgia.

Master Horticultural Therapist, since 1981. American Horticultural Therapy Association, Seattle WA 98133.

Teaching Experience

Professor of Horticulture, School of Agriculture, Tennessee Tech University, Cookeville, Tennessee. Since July 1990.

Doctoral Committee Chair, 2020-2024. *Periodical Cicada, Damages & Control Options*. M. P. Bowombe Toko.

Doctoral Committee Member, 2017-2022. Horticultural therapy programming. D Stowell.

35-Year Service Pin, December 2020.

Innovation Award, Tennessee Board of Regents. May 2004.

Tenured Faculty, School of Agriculture, Tennessee Tech University. Since September 1988.

Associate Professor, School of Agriculture, Tennessee Tech University. August 1984.

Courses: AGRN 1010-Plant Science, and Lab, AGHT 3030-Integrated Pest Management, AGRN 3100-Turfgrass Management, AGHT 3250-Arborist Services, AGHT 3400-Landscape Horticulture, AGHT 3410-Plant Propagation, AGHT 3440-Floral Arrangement, AGHT 3450-Dendrology, AGHT 3460-Interior Plantscaping, AGHT/SPED 3480-Horticultural Therapy, AGHT 4410-Nursery Management, AGHT 4420-Greenhouse Management, AGHT 4520-Greenhouse Crop Production, AGHT 4530-Fruit and Vegetable Production, AGR 4920-Senior Problem, AGR 4950-Internships.

Advising: Horticulture, Nursery/Landscape Management, and Turfgrass Management concentrations. Interim Agronomy/Soils and Environmental Agriscience, intermittently.

International: Student Tour (planned, COVID delayed) Sustainable Horticulture, Panama, for March 2019, and 2020.
 Student Tour, Sustainable Horticulture, Costa Rica. January 2017. With Dr. Brian Leckie.
 Student Tour, Greenhouse Production, Netherlands. March 2015. With Dr. Michael Best.
 Student Tour, Nursery Production/Greenhouse Research, Netherlands. March 2014. With Dr. Michael Best.

Doctoral Committee Chair, Environmental Studies – Agriculture. *Control techniques for periodical cicada damages in field-grown nursery crops*. Martine Bowombe Toko.

Adjunct Professor, Department of Plant Science and Landscape Systems, University of Tennessee, Knoxville, Tennessee. Since 2001.

Doctoral Committee, 2017-2021. *A Review of Horticultural Therapy and Horticultural Therapy Education in the United States: Addressing Challenges and Opportunities*. Derrick R. Stowell.

Course: OHLD 493/593 Special Topic, Horticultural Therapy. Fall 2001-2004.

Assistant Professor, Department of Plant and Soil Science, University of Massachusetts, Amherst. 1977-1984.

Courses: Plant Propagation, Greenhouse Management, Commercial Floriculture, Bedding/Vegetable Plants, Internships, Horticultural Therapy Survey/Greenhouses, Horticultural Therapy Survey/Gardens, and Horticultural Therapy Internships. Supervised 6-month Floriculture Student Placements in the Stockbridge School of Agriculture.

International: Alpine Gardens Tours, Europe. Rural Route Tours, Kansas. October 1982.
 Floriculture and Vegetable Tour, Northern Europe. International Society of Horticultural Science. October 1980.
 Horticultural Therapy Tour, England. National Council for Therapy and Rehabilitation through Horticulture. July 1979.

Graduate Teaching Assistant, Horticulture Department, University of Georgia, Athens. 1973-1976.

Courses: Plant Propagation Laboratory, Greenhouse Management Laboratory, Floriculture laboratory.

Professional Recognition

Hall of Fame Induction, Tennessee Landscape and Nursery Association, Sept 2023.

NACTA Teaching Award of Merit. 2013.

President's Award – Service and Contribution. Tennessee Urban Forestry Council. 2008.

Innovations Award, TN Board of Regents Distance Education Committee. Feb. 2004. www.tlcfortrees.info.

Redbud Award (inaugural), 1998. Cookeville Tree Board.

Rhea McCandliss Professional Service Award, 1992. American Horticultural Therapy Association.

President, 1987-1989. American Horticultural Therapy Association.

Professional Experiences

National Advisor, America in Bloom National Awards Program. Since January 2022.

National Judge, America in Bloom National Awards Program. October 2015 – December 2021.

Evaluation of communities by population levels for Floral Displays, Landscaped Areas, Urban Forestry, Environmental Efforts, Heritage Preservation, Community Vitality, Overall Impression, and Judges Tour. Review Community Profiles, two-day evaluation tours, evaluation reports, annual symposium/awards. Peer reviewer of evaluation reports.

Faculty, Nursery Research & Service Program, Tennessee Tech Farm, Tennessee Tech. Since July 2011.

Field-grown and containerized studies; American Chestnut Evaluation Site. Two 32x60' high tunnel, two 24x60 overwintering structures; composting barn; Brenda Waters Memorial Pavilion; equipment and storage structures.

Judge, International, National, Regional, and State Tree Climbing Championships, International Society of Arboriculture, Atlanta. Since 1998.

Faculty, School of Agriculture, Tennessee Tech University. August 1984 – current. Assistant, Tenured Associate, and Tenured Professor.

Manager, Shipley Farm Teaching Greenhouses. August 1984 – current. Six 20x20' glass, one 30x96' Quonset greenhouses, multiple high tunnel and shade-covered greenhouses with a variety of bench structures and crops (cut flowers, potted foliage, bedding plants); identification specimens for all Horticulture courses.

Coordinating all phases of management, crop production, and budgeting. Supervising student laborers.

Coordinator, Tennessee Certified Arboretum Program. 2010-2014. Continuing as Arboretum Evaluator since 2008.

Reviewing forms, signage, and procedures; reviewing tree lists; processing applications and assigning inspections.

Consultant, Nursery Damage Evaluation. Since March 2004.

Nursery and Insurance claims evaluation of crops for damages by hail, freeze, periodical cicada, and pesticide drift.

Manager, Gerald D. Coorts Memorial Arboretum. 1994-2014. Level 1 to 3 Certification with Tennessee Department of Agriculture, Forestry Division, 2000-2016. Tennessee Tech University, Cookeville.

Coordinating all phases of management, acquisitions, budgeting, and reporting to Cookeville Tree Board. Supervising student laborers.

Coordinator, Tennessee Plant Employment Network, 1992-1993. The Advocacy and Resources Corporation, Algood, Tennessee (part-time).

Coordinating a Rural Horticultural Employment Initiative. Developing the State Advisory Board; cooperative placement services from Vocational Rehabilitation agencies; Extension Service and trade articles; trade show and professional meeting displays.

Director of Vocational Services, Edward L. French Center, 1991. The Devereux Foundation, Devon, Pennsylvania. (Sabbatical leave from Tennessee Tech).

Supervised: 3 Job Trainers, 5 Work Trainers, Career Services Coordinator, 4 Employment Specialists, Behavior Manager, and Contract Procurement Specialist; 80 clients daily in training center, 40 clients weekly in community placements. Served on Management Team, Operations Team, and client Clinical Teams.

Director, Horticultural Training Program, Shipley Farm Nursery and Greenhouses, 1988-1990. Tennessee Tech University.

Provided vocational training for clients with a variety of disabilities. Supervised 1 trainer, 1 assistant. Funded by Vocational Rehabilitation and Human Resources Agency.

Laboratory Assistant, Department of Water Science and Engineering, 1967-1970. University of California, Davis.

Assisted with projects involving ground water recharge, soil/water physics, field soil sampling/data collection, and soil particle size distribution.

Firefighter, and Relief Lookout, California Division of Forestry, 1965-1966. Crescent City Station, Eureka Office.

Professional Training

Human Health Response to Nature and Trees; Kathleen Wolf. UT Inst. Agr. 20 July 2023.

Improving Hand Watering-Tips for Better Growth. Dramm Corporation. 14 December 2022.

Risk Governance and Equity in Urban Forest Management. TREE Fund Webinar. 6 December 2022.

Sexual Harassment for Managers and Supervisors. SexualHarassmentTraining.com. 22 October 2022.

Teacher Conservation Workshop, Tennessee Forestry Association and UT Forestry. Tennessee Tech, *et al.* July 2022.

Green Express Short Course, Landscape Workshop, UT Chattanooga Extension, Chattanooga TN. March 2022.

Landscape Training Workshop Sessions, Nashville Lawn & Garden Show. Fairgrounds, Nashville TN. March 2022.

America in Bloom Advisors Training. Virtual. December 2021.

Developing Critical Thinking Skills in Class. CITL, Tennessee Tech. November 2021.

Community Vitality, *Symposium in the Sky*. America in Bloom Symposium (virtual). October 2021.

Teacher Conservation Workshop, Tennessee Forestry Association and UT Forestry. Tennessee Tech, *et al.* July 2020.

Green Industry Field Day (virtual). UT Gardens, Knoxville. June 2021.

Managing Pythium and other problematic diseases and pests in leafy greens (virtual). Greenhouse Grower. April 2021.

Community Involvement-Improvement, *Symposium in the Sky*. America in Bloom Symposium (virtual). October 2020.

Tennessee Valley Sports Turf Managers Association, Training Meeting, Tennessee Tech, Cookeville TN. Mar 2020.

Green Express Short Course, Landscape Workshop, UT Chattanooga, Chattanooga TN. January 2019.

Reducing Tree (and Soil) Damage during Construction, Webinar. Utah State Forestry Extension, December 2018.

TUFC Annual Conference, Cheekwood Botanic Garden, Brentwood TN. October 2018.

America in Bloom Symposium, Lexington KY. September 2018.

AHTA Annual Conference, Burlington, VT. October 2017.

America in Bloom Symposium, Holliston MA. October 2017.
Field and Container Nursery Production Seminar, Otis Floyd Research Station, McMinnville, TN. May 2017.
America in Bloom Symposium, Arroyo Grande, San Luis Obispo CA. October 2016.
Partners in Community Forestry Conference and Professional Day, Arbor Day Foundation, Denver, CO. November 2015.
America in Bloom Symposium and Judges Training, Holland MI. October 2015.
AHTA Annual Conference, Portland, Oregon. October 2015.
Nursery Management and Drones/Bartlett Research Station, Society of Municipal Arborists, Charlotte, NC. October 2014.
Sustainable Nursery Irrigation, UT Extension Workshop. McMinnville, TN. September 2014.
Integrated Pest Management, UT Extension Workshop. Estill Springs, TN. June 2014.
AHTA Annual Conference, Minneapolis, Minnesota. October 2013.
Tree Nutrition, Dr. Kim Coder, Society of Municipal Arborists, Savannah, Georgia. October 2009.
AHTA Annual Conference, Lexington, Kentucky. October 2008.
Cadre Member, Municipal Forester Institute, Society of Municipal Arborists, New Braunfels, Texas. February 2008.
Cadre Member, Municipal Forester Institute, Society of Municipal Arborists, Lake Tahoe, California. February 2007.
Municipal Forester Institute, Society of Municipal Arborists, Lake Tahoe, California. February 2006.
Tree Depth & Root Structure, The Morton Arboretum, Lisle, Illinois. November 2005.
Trees, People and the Law, The National Arbor Day Foundation, Nashville, Tennessee. May 2002.
Tree Structure & Mechanics, International Society of Arboriculture. Savannah, Georgia. October 2001.
Hazard Trees, National Arbor Day Foundation, Nashville, Tennessee. May 2001.
Building With Trees, International Society of Arboriculture, Lexington, Kentucky. September 2000.
Tree Appraisal, International Society of Arboriculture, Storrs, Connecticut. August 1999.
Shigo on Trees, National Arborists Association, Nashville. 1997.
Accessible Garden Design, American Horticultural Therapy Association, Columbus, Ohio. August 1992.
Board Decision Making, American Horticultural Therapy Association, Bethesda, Maryland. March 1989.
Developing and Funding Horticultural Therapy Programs, American Horticultural Therapy Association, Arlington, Virginia. January 1988.
Basic Greenhouse Production Practices Short Course, University of Missouri, Columbia, Missouri. June 1987.
Stress Management, University Health Services, Amherst, Massachusetts. July 1983.
Communications Skills in Health Sciences, Brattleboro Retreat, Brattleboro, Vermont. January 1980.

Publications

Book Chapter

Airhart, Douglas and Kathleen Airhart. 1997. Inside space and adaptive gardening: design, techniques, and tools. IN *Horticulture as Therapy: Principles and Practices*. Sharon Simson and Martha Straus, Eds. Food Products Press, NY.

Refereed Articles

- Addesso, K. M., J. B. Oliver, M. Bowombe-Toko, and D. L. Airhart. 2024. Periodical cicadas in Tennessee. Tennessee State University Extension. TSU-24-46(A)-12b-82027.
- Stowell, D.R., Fly, J.M., Klingeman, W.E., Beyl, C.A., Wozencroft, A.J., Airhart, D.L., and Snodgrass, P.J. (2021). Current state of the horticultural therapy profession in the United States. *HortTechnology*, 31(4):330-338. <https://doi.org/10.21273/HortTech04792-21>.
- Stowell, Stowell, D.R., Fly, J.M., Klingeman, W.E., Airhart, D.L., Wozencroft, A.J., Beyl, C.A. and Snodgrass, P.J. (2021). Advancing a contemporary horticultural therapy practice model. *ActaHortic*.2021.1330.25. <https://doi.org/10.17660/ActaHortic.2021.1330.25>
- Airhart, Douglas, Kathleen Airhart and John Tristan. 1995. Implementing pest-control strategies for vocational and therapeutic greenhouses. *HortTechnology* 5(2):182-184.
- Arnold, M.A., D.L. Airhart, W.E. Davis. 1993. Cupric hydroxide-treated containers affect growth and flowering of annual and perennial bedding plants. *J. Environ. Hort.* 11(3):106-110. September.
- Airhart, Douglas, Rachael Kluth, Andy Bell, Ryan Cole, Kristi Ellenburg, Andrew Keller, Jennifer Shodow, John Shelly, 1994. Marketing problems of Tennessee's green industries - a student survey. *Proc. SNA Research Conference*, Vol. 39:382-384.
- Airhart, D.L. and K.M. Douth. 1992. Measuring client improvement in vocational horticultural training. IN: *The Role of Horticulture in Human Well-Being and Social Development*, D. Relf, Editor, Timber Press, p. 181-184.
- Douth, K.M. and D.L. Airhart. 1990. Teaching environmental awareness using a terrarium. *TEACHING Exceptional Children* 23(4):38-41.
- Douth, K.M., D.L. Airhart, T.W. Willis. 1989. Horticultural therapy activities for exceptional children. *Journal of*

Therapeutic Horticulture Vol. IV: 10-14.

- Airhart, D.L., K.M. Doult, T.W. Willis. 1988. Horticulture therapy activities for exceptional students. *NACTA Journal* 32(2):42-44.
- Airhart, D.L. and J. Tristan. 1987. Horticultural therapy for special educational students. *HortScience* 22(6):1332.
- Airhart, D.L. and J. Tristan. 1987. A horticultural training program for special students. *Focus on Exceptional Children* 19(5):11-12.
- Airhart, D.L., T.W. Willis, P. Westrick. 1987. Horticultural training for adolescent special education students. *Journal of Therapeutic Horticulture Vol. II*: 17-22.
- Airhart, D.L., K.M. Falls, T. Hosmer. 1982. Developing wildflower sods. *HortScience* 18(1):89-91.
- Airhart, D.L., N.J. Ntarella, F.A. Pokorny. 1978. The structure of processed pine bark. *Journal American Society Horticultural Science* 103(3):404-408.
- Airhart, D.L., N.J. Ntarella, F.A. Pokorny. 1978. Influence of initial moisture content on the wettability of a milled pine bark medium. *HortScience* 13(4):432-434.
- Airhart, D.L., N.J. Ntarella, F.A. Pokorny. 1978. Wettability of surfactant-impregnated milled pine bark. *Southern Nursery Research Journal* 5(2):30-40. August.

Refereed Proceedings

- Hamm, W., Wakefield, E., Bowombe-Toko, M., Airhart, D*. 2021. Evaluation of periodical cicada damages to field nursery trees, 2008, 2011, 2021 (1974). Tennessee Entomological Society. October. Virtual.
- Stowell, D.R., Fly, J.M., Klingeman, W.E., Airhart, D.L., Wozencroft, A.J., Beyl, C.A. and Snodgrass, P.J. (2021). Advancing a contemporary horticultural therapy practice model. IPPS International Conference, *Acta Horti*:1211-1220. <https://www.actahort.org/books/1330/1330.25.htm>.
- Airhart, D.L. 1987. Noxious weeds in landscape wildflower seed mixes. 32nd Annual Southern Nurserymen's Association Research Conference, Proceedings: 341-344.
- Airhart, D.L. and T.J. Hall. 1985. Have a bout with drought. 30th Annual Southern Nurserymen's Association Research Conference, Proceedings: 289-291.
- Locher, V.A. and D.L. Airhart. 1980. Strategies for solar greenhouse utilization. 5th National Passive Solar Conference, Proceedings 5(1):476-480.
- Nazar, A. and D.L. Airhart. 1980. Commercial solar heated greenhouse performance. 5th National Passive Solar Conference, Proceedings 5(1):468-472.
- Airhart, D.L., N.J. Ntarella, F.A. Pokorny. 1978. Wettability of milled pine bark as influenced by initial moisture content. 23rd Annual Southern Nurserymen's Association Research Conference, Proceedings: 22-24.
- Ntarella, N.J., D.L. Airhart, F.A. Pokorny. 1978. Improved wettability of milled pine bark by treatment with surfactants. 23rd Annual Southern Nurserymen's Association Research Conference, Proceedings: 25-28.

Presentations, Posters, and Abstracts

- Toko, M.B., J.B. Oliver, M.R. Allen, D.L. Airhart. 2023. Assessment of Ovipositional Preferences of Adult Periodical Cicada (Brood X 2021) (Hemipter: Cicadidae: *Magicicada* spp.) Among Commercial Nursery Tree Species. Oral. Summer Meeting, Tennessee Agricultural Production Association, Paris Landing TN. 19 July.
- Toko, M.B, J.B. Oliver, M.R. Allen, D.L. Airhart. 2023. Assessment of ovipositional preferences of periodical cicada* among commercial nursery tree species *(Brood X 2021) (Hemiptera: Cicadidae: *Magicicada* spp.). Proceedings, Tennessee Tech Research and Creative Inquiry Day, V. 7 (2023). Poster. (<https://publish.tntech.edu/index.php/PSRCI>.) April.
- Toko, M.B, J.B. Oliver, M.R. Allen, D.L. Airhart. 2023. Assessment of ovipositional preferences of periodical cicada (Brood X 2021) (Hemiptera: Cicadidae: *Magicicada* spp.) among commercial nursery tree species. Southeast Branch, Entomological Society of America, Arkansas. March
- Wolfe, E., G. Chitiyo, A. Akenson, S. Winnett, D. Airhart. 2017. Horticultural Therapy: A tool for improving sociability among adults with mental illness. Tennessee Academy of Science, UT Martin, Martin, TN. November. Poster.
- Akenson, A., D.L. Airhart, G. Chitiyo, E.P. Wolfe. 2015. Horticultural Therapy: A tool for improving sociability among participants with mental illness. Student Research Day, Tennessee Tech, Cookeville, TN. April. Poster.
- Airhart, D.L. 1995. Landscape maintenance and cultural practices. Tennessee Nursery Short Course, Gatlinburg, TN.
- Airhart, K.M. and D.L. 1994. Tennessee plant employment network. Tennessee Turfgrass Association Conference, Nashville, Tennessee.
- Airhart, D.L. 1994. Nursery production problems and outlook. Interstate Nursery In-Service Training, McMinnville, TN.

- Airhart, D.L. 1994. Maintaining wildflower meadows. Tennessee Flower Growers Association Short Course, Chattanooga, TN.
- Airhart, D.L. 1993. Tennessee plant employment network. Tennessee Flower Growers Association Short Course, Gatlinburg, Tennessee.
- Airhart, D.L. 1992. Step-by-step guide to protect campus trees. Professional Grounds Management Society Annual Meeting. Conference Center, Indianapolis, IN. November. Poster.
- Airhart, D.L. 1992. Natural target pruning of trees-renovated rules. Professional Ground Management Society Annual Meeting. Indianapolis, IN. November. Poster.
- Airhart, D.L. 1991. Step-by-step guide to protect campus trees. International Society of Arboriculture and A.R.E.A. Annual Meeting. Addams Mark Hotel, Philadelphia, PA. August. Poster.
- Airhart, D.L. and K.M. Douth. 1991. Vocational horticultural training assessments. American Association on Mental Retardation Annual Conference. Marriott Hotel, Crystal City, VA. May. Poster.
- Douth, K.M. and D.L. Airhart. 1989. Teaching environmental awareness using a terrarium. 75th Children's Gardening Symposium, Brooklyn Botanic Garden, New York. Poster.
- Airhart, D.L. and K.M. Falls. 1988. Experiments with seed-grown sod as plant introduction technique described. *Restoration & Management Notes* 6(1):51, summer. Abstract.
- Airhart, D.L. 1987. Noxious weeds in wildflower seed mixes. *HortScience* 22(5):1065. Abstr.
- Airhart, D.L. 1987. Natural target pruning of trees: Renovated rules. *HortScience* 22(5):1062. Abstr.
- Airhart, D.L. 1987. Noxious weeds from commercial seed suppliers. *HortScience* 22(5):715. Abstr.
- Airhart, D.L. 1987. Tree fertilization. American Horticultural Therapy Association Annual Conference. Houston, TX. July. Poster.
- Airhart, D.L. 1987. Natural target pruning of trees-renovated rules. American Society for Horticultural Science Meeting. Orlando, FL. November. Poster.
- Airhart, D.L. 1987. Noxious weeds in wildflower seed mixes. American Society for Horticultural Science Meeting. Orlando, FL. November. Poster.
- Airhart, D.L. 1987. Tree fertilization. American Horticultural Therapy Association Annual Conference. Houston, TX. July. Poster.
- Airhart, D.L. and K.M. Falls. 1983. Establishing wildflowers in hostile environments with sods. Soil Conservation Society of America, 38th Annual Meeting. Hartford, CT. August. Poster.
- Airhart, D.L. and K.M. Falls. 1981. Pure, live seed distribution for field seeding. *HortScience* 16(3):407. Abstr.
- Locher, V.A. and D.L. Airhart. 1981. Solar greenhouse horticulture, design problems, and management. American Society for Horticultural Science, Northeast Regional Meeting. Durham, NH. January. Posters.
- Airhart, D.L. and K.M. Falls. 1979. Wildflower sods for roadsides. American Society for Horticultural Science, 76th Annual Meeting. Columbus, OH. July/August. Poster.
- Airhart, D.L., N.J. Ntarella, F.A. Pokorny. 1976. Electron microprobe analysis of water penetration into milled pine bark particles - a new technique. American Society for Horticultural Science, 73rd Annual Meeting. Baton Rouge, LA. August. Poster.

Non-Refereed Publications

America in Bloom National Awards Program. Community Vitality Evaluations

- Zwiep, S., D.L. Airhart. 2022. Calabasas, CA; Madison, MS; Greenwood, SC; Ottawa, IL; Wyandotte, MI. June. Editorial Review, 2021. Ridgeland MS. July.
- Canadian National RxR, EcoConnexions Evaluation Reports, 2020. Milwaukee, WI; Joliet, IL. August.
- Growing Vibrant Communities Program, 2020. Winter Garden, FL. February-May.
- Airhart, D.L., M. Riggs. 2019. Coshocton, OH; Estes Valley CO. July.
- Riggs, M., D.L. Airhart. 2019. Lawrenceburg KY. June.
- Pittenger, L., D.L. Airhart. 2019. Canadian National RxR, EcoConnexions Evaluation Report, Magee, MS. May.

Airhart, D.L., E. Hooker. 2019 Canadian National RxR, EcoConnexions Evaluation Report, Yazoo City, MS. May.

Airhart, D.L., B. Vincentsen. 2018. Greendale, IN. June.

Airhart, D.L., S. Beatty. 2018. Holliston, MA; Catskill, NY. June.

Editorial Reviews, 2018. Tavares, FL; Castle Rock, WA.

Cromer, L., D.L. Airhart. 2017. Lawrenceburg, KY.

Rindal, K., D.L. Airhart. 2017. Lexington, KY.

Riggs, B., D.L. Airhart. 2017. Madisonville, KY.

Editorial Reviews, 2017. Blufton, OH; Brewton, AL; Castle Rock, WA; Catskill NY; Combined Locks, WI; Dyer, IN;

Edmonston, MD; Elfin Forest, CA; Estes Park, CO; Kimberly, WI; King City, CA; Lewisburg, WV;

North Beach, MD; Ottawa, IL; Tavares, FL; Washington, MO; Washtucna, WA; Winter Park, FL.

Riggs, B., D.L. Airhart. 2016. Edmonston, MD; Narrowsburg Hamlet, PA; Washtucna, WA; Castle Rock, WA.

Editorial Review, 2016. Lawrenceburg, KY.

Contract Reports

Protecting Trees During Construction. 2021. Contractor's Guidelines, Lakeview Village, Timothy. Contract funded.

Training Video, CD, & DVD Productions

Airhart, D.L., G. Zimmerman, J. Plant. 2003. www.tlcfortrees.info, Tutorial Web Site and CD. Externally funded.

Airhart, D.L., G. Zimmerman, J. Plant. 2003. TLC for TREES, Educational DVD. Externally funded.

Airhart, D.L., G. Zimmerman, J. Plant. 2003. Pruning Municipal Trees, Training CD. Externally funded

Airhart, D.L. 1997. Pruning Municipal Trees: Coarse, Medium and Fine Pruning Specifications on Example Trees. Training Video Production. Externally funded.

Airhart, D.L. and G. Zimmerman. TLC for Trees. Upper Cumberland Camera, WCTE-TV, Channel 22.

Videotape segments on: selecting landscape trees, transplanting landscape trees, basic pruning techniques, specialty pruning techniques, tree topping hurts!, protecting trees during construction, selecting cut Christmas trees, selecting live Christmas trees, pruning stem suckers, tree borers, tree pests, pruning water sprouts. 1996-1997.

Articles

Airhart, D.L. 2020. *Beauty of Oklahoma Redbuds*. Cookeville Herald-Citizen, May. Submitted by Cookeville Tree Board.

Airhart, D.L. 2017. *Why Cookeville Needs Urban Forester*, Cookeville Herald-Citizen article. Submitted by Cookeville Tree Board.

Airhart, D.L. 2013. *Tree Pruning*, Herald Citizen article. Submitted by Cookeville Tree Board. Unknown date.

Airhart, D.L. 2013. *Tree Selection and Planting Details*, Brochure, Cookeville Tree Board. November.

Airhart, D.L. 2012. Two reasons to prune mature trees. Cookeville Herald-Citizen, 6 September.

Airhart, D.L. 2012. Prune trees correctly to protect your investment. Cookeville Herald-Citizen, 8 October.

Airhart, D.L. 2012. Basic pruning techniques. Cookeville Herald-Citizen, 29 October.

Airhart, D.L. 2002. Myths that kill trees. Landscape Contractor, Vol. 05, No. 10. October.

Airhart, D.L. 1997. Tennessee Tree program. Proceedings, Master Gardener International Conference, Sacramento.

Airhart, D.L. 1997. Cultural Practices for Landscapes. Chapter, Tennessee Nursery & Landscape Association *Certified Nursery Professional Training Manual*.

Airhart, D.L. 1995. Editor, Proceedings, "Horticulture As Therapy," AHTA 24th Annual Conference.

Airhart, D.L. 1995. Editor, Program, "Horticulture As Therapy," AHTA Annual Conference. 35 pages.

Tree Care Workshop, Herald-Citizen, July 24, 1994. Pg.9.

Airhart, D.L. 1992. Understanding persons with disabilities. Professional Plant Growers Association News 23(9):10-11.

Airhart, D.L., M.A. Arnold, W.E. Davis, B.J. Brazenski, R.K. Culbertson, J.A. Muchler, J.A. Nix, S.S. Shipley, G.R. Sims. 1991 and 1992. A monthly nursery calendar for wholesale and retail nurseries and garden centers. Tenn. Nurserymen's Association Newsletter 3(14):20-21 (Dec.-Mar.); 3(15):8 (Apr.-June); 3(16):8 (July-Sept.); 4(17):22 (Oct.-Nov.).

- Airhart, D.L. 1990. Campus tree survey: protect your living resources. *American School and University* 63(8):29-30.
- Airhart, D.L. 1990. Aspirated thermostats. *Tenn. Flower Growers Newsletter* 4(1):1-2.
- Conerly, C. and D.L. Airhart. 1989. Can you get away with not cleaning up leaves? *Park Maintenance and Grounds Management* 42 (1):20, 22.
- Coburn, C.B. and D.L. Airhart. 1988. Zapped seeds. *Greenhouse Grower* 6(9):128.
- Airhart, D.L. 1988. Siphon Calibration. *Greenhouse Grower* 6(5): 108-109.
- Airhart, D.L. 1988. Cultural management for disease control in structures. *Tenn. Nurserymen's Association Newsletter* 6(1):6.
- Palmer, H., D.L. Airhart, T.J. Hall. 1986. Pride and profit by the drop. *American Nurserymen* 164(8):59-64.
- Airhart, D.L. and T.J. Hall. 1986. How to handle a bout with drought. *American Nurseryman* 164(2):53-59.
- Airhart, D.L. 1986. Non-commercial sprays offer alternative houseplant pest control. *Herald-Citizen*, March 18.
- Airhart, D.L. 1985. Calibrate carefully! *American Vegetable Grower* 33(11):64-66.
- Airhart, D.L. 1985. Siphoning sense. *American Vegetable Grower* 33(10):58-59.
- Airhart, D.L., T.J. Hall, G.G. Davis. 1985. Drought notes and injury survey. *T.T.U. Nursery Services Notes*, June.
- Airhart, D.L., T.J. Hall, G.G. Davis. 1985. Freeze damage notes and injury survey. *T.T.U. Nursery Services Notes*, March.
- Airhart, D.L. and K.M. Falls. 1984. Sodding roadside slopes with wildflowers. *Landscape Architecture* 74(4):96-97.
- Airhart, D.L. 1984. Overcoming horticultural problems in solar greenhouses. *Acta Horticulturae* 148:785-789.
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Urban Forestry, Community Vitality, 2020. AIB Symposium in the Sky- Celebrating Together while Apart. October.

Seed-Fork of the Highlands Administration, 2020. Seed-Fork Progressive Dinner Teaching Point, Cookeville TN. October and December.

Turfgrass Management Curriculum and Opportunity, 2020. Tennessee Valley Sports Turf Managers Association Meeting. Tennessee Tech Hooper-Eblen Center, Cookeville TN. March.

Building Resilient Landscapes, 2019. Green Express Short Course, Chattanooga Association of Landscape Professionals. UT Chattanooga, Chattanooga TN. January.

Tools for Urban Resilience, 2018. Annual Conference, Tennessee Urban Forestry Council. Cheekwood Botanic Garden, Brentwood TN. October.

Turf and Landscape Maintenance Practices – Good, Bad, Evil, 2018. Cookeville Noon Lions Club, Golden Corral, Cookeville TN. September.

Thirty-three Years of HT in Tennessee, 2017. UT Institute of Agriculture, Fall Semester Seminar Series. October.

Horticulture as Therapy in Tennessee, 2017. 127th Meeting of Tennessee Academy of Science, UT Martin. November.

HT as Tool for Improving Sociability of Persons with Mental Illness (Poster), 2017. 127th Meeting of Tennessee Academy of Science, UT Martin. November.

Horticultural Therapy Goes Mobile through Partnerships, 2017. American Horticultural Therapy Association Annual Conference, Burlington Hilton Hotel, Burlington VT. September.

Three-Year Maintenance Schedule, Landscape Trees, 2017. Tree Board Seminar for Master Gardeners and residents. Ottawa, IL. March.

Mind Your P's & Q's of Tree Care, 2017. Ottawa is Blooming Seminar. Ottawa, IL. March.

Trunk Flare Excavation Techniques, 2017. Ottawa Street Department. Ottawa, IL. March.

Tree Risk Assessment, 2017. Middle Tennessee Landscape Management Short Course, Williamson County Expo Center, Franklin. January.

Tree Selection for High Stress Environments, 2017. Middle Tennessee Landscape Management Short Course, Williamson County Expo Center, Franklin. January.

Comparing HT Activities to Attain Sociability Goals of Adults with Schizophrenia or Delusional Behaviors, 2015. Annual Conference, American Horticultural Therapy Association, Portland OR. October.

Envision and Plan: Watch Programs Grow, 2014. Accepted for AHTA Annual Conference, Philadelphia PA. October.

Improving Tree Board Effectiveness, 2014. Tree Board Workshop, Tennessee Urban Forestry Council, Cookeville. February.

Tennessee Certified Arboretum Program Update, 2014. Board Retreat, Tennessee Urban Forestry Council, Cookeville. February.

Urban Forestry – The Big Picture, 2014. Keynote Address, Missouri State Community Forestry Annual Conference, Jefferson City. February.

Purchase & Installation Standards for Trees, 2014. Advanced Arboriculture session. Missouri State Community Forestry Annual Conference, Jefferson City. March.

Tree Quality Inspection Practices, 2014. Advanced Arboriculture Practice Workshop. Missouri State Community Forestry Annual Conference, Jefferson City. March.

Tree Purchase Specifications, 2014. Tenn APPA Annual Conference, TTU, Cookeville. May.

History of Horticultural Therapy Programming in Tennessee. 2013. 40th Annual Conference, American Horticultural Therapy Association, Minneapolis, MN. September.

Care & Risk Management of Trees, 2013. Middle Tennessee Landscape Management Short Course, Williamson County Expo Center, Franklin. January.

Tennessee Certified Arboretum Program Update, 2013. Board Retreat, Tennessee Urban Forestry Council, Evans Mill Resort, Smithville. January.

Landscape Tree Considerations, Sequatchie County Master Gardener Program. Chattanooga Community College Campus, Pikeville. March.

Tennessee Certified Arboretum Program, Development and Status. 2013. ISA Southern Region Chapter Annual Conference, Memphis Convention Center, Memphis. March.

Tree Pruning, Tennessee Master Nursery Program, Ag Research Station, McMinnville. November.

Proper Pruning and Trimming. 2012 Middle Tennessee Landscape Short Course, Williamson County Expo Center, Franklin. January.

Tennessee Certified Arboretum Program Update. 2012 Board Retreat, Tennessee Urban Forestry Council, Evans Mill Resort, Smithville. January.

Purchase & Installation Standards. Advanced Arboriculture session, 2012 Mid-Atlantic Horticulture Short Course, Newport News, Virginia. January.

Maintenance Standards. Advanced Arboriculture session, 2012 Mid-Atlantic Horticulture Short Course, Newport News, Virginia. January.

Elemental Nutrition for Trees. Advanced Arboriculture session, 2012 Mid-Atlantic Horticulture Short Course, Newport News, Virginia. January.

Myths That Kill Trees. Arboriculture session, 2012 Mid-Atlantic Horticulture Short Course, Newport News, Virginia. January.

Grades and Standards for Tennessee Trees. TNLA Winter Education Seminar. Pigeon Forge. February.

Picking & Planting Trees. 2012 Bloom 'n' Garden Expo, Franklin. April.

Pruning Trees. 2012 Bloom 'n' Garden Expo, Franklin. April.

Tree Risk Assessment: Examine a Tree From Top to Bottom. Tennessee Urban Forestry Council Annual Conference, Ellington Ag Center, Nashville. October.

Pruning, Tennessee Master Nursery Program, Ag Research Station, McMinnville. November.

Myths That Kill Trees. Keynote Address. 2011 Middle TN Grounds Mgt. Shortcourse, Franklin. January.

Pruning Plants. 2011 Middle TN Grounds Mgt. Short-course, Franklin. January.

ANSI A300 Standards: Tree, Shrub and Other Woody-Plant Management Standard Practices. 2011 TNLA Winter Education Seminar. Pigeon Forge, February.

Landscape Tree Maintenance. Sequatchie County Master Gardener Training Session. 2011. Sequatchie-Bledsoe Community College, February.

Picking and Planting Trees. 2011. Williamson County Master Gardener Association's Bloom 'N' Garden Expo, Ag Expo Center, Franklin. April.

Picking and Planting Trees. 2011. Cumberland County Master Gardeners Association's Spring Flower & Garden Show, Crossville. April.

Cicada Ovipositing Damage Evaluation. 2011. Heartland Crop Insurance Adjuster Training Meeting, Bowling Green, KY. July.

Mini-Session: Trees on the internet: tree identification, diagnosis, and resources. 2011 Tennessee Urban Forestry Council Annual Conference, Nashville, Ellington Ag Center. September. With Grace McClellan.

Tree root stress: prevent tree damage during installation and maintenance. Professional Landscape Association of Nashville Tennessee. Samara Farms, Nashville. October.

Evaluating tree defects: diagnosis and evaluating problems in the field. 2011 Professional Landscape Association of Nashville Tennessee. Samara Farms, Nashville. October.

Selecting and planting landscape trees. 2011. Fairfield Glade Garden Club. Fairfield Glade Community Church, October.

Bee-Friendly Plants. 2011. Tennessee Bee Association. Hyder-Burks Pavilion, Cookeville. October.

Picking, planting, pruning young trees. 2010. Master Gardener Training Seminar, Chattanooga Assoc of Landscape Professionals, Chattanooga State Community College. January.

New ideas on elemental nutrition. 2010. Chattanooga Assoc of Landscape Professionals, UT Extension. Green Express Horticulture Short Course, Chattanooga State Community College. January.

Picking, planting & pruning trees. 2010. TNLA Winter Education Seminar, Pigeon Forge. February.

New Ideas on Elemental Nutrition. 2010. TNLA Winter Education Seminar, Pigeon Forge. February.

Landscape Tree Maintenance. 2011. Sequatchie County Master Gardener Training Session. Sequatchie-Bledsoe Community College, Pikeville. February.

Picking, planting and pruning young trees. 2010. Master Gardener Training Session, Cumberland County Extension Service, County Services Country Store, Crossville. May.

Using Horticulture Competencies to Prepare Students for Career Development Events. 2010. Career and Technical Education Conference, Middle Tennessee State University, Murfreesboro. July.

Elemental Nutrition for Trees, Revisited. 2010/ Tennessee Green Industry Field Day, Nursery Research Center, McMinnville. August.

Growing Plants – It's all in the Roots. 2009. Kentucky Landscape & Nursery Association Short Course, Louisville, KY. January.

Selecting Quality Trees. Kentucky Landscape & Nursery Association Short Course, Louisville, KY. January.

Goofing Off in the Landscape - Landscape Goofs. 2009. Tennessee Nursery & Landscape Association Winter Education & Exhibition, Pigeon Forge. February.

Trees in the Urban Forest. 2009. Duck River Electric Membership Corporation, Shelbyville. May.

Natural Target Pruning (Poster). 2009. Duck River Electric Membership Corporation, Shelbyville. May.

The 3 P's: picking, planting & pruning young trees. 2009. City of Franklin Tree Commission Lecture Series. September.

Urban Forestry and the Big Picture. 2009. Tennessee Urban Forestry Council Annual Conference, Pre-Conference Workshop on Arboriculture Practices. October.

Structural Pruning Techniques. 2008. Middle Tennessee Landscape Management Short Course, Ag Expo Center, Franklin. January.

Specifications for Buying, Planting and Maintaining Landscape Trees to Establishment. 2008. Chattanooga Association of Landscape Professionals Green Express Horticulture Short Course. Southern Adventist University, Collegedale. January.

Pruning Trees for Structural Integrity. 2008. Chattanooga Association of Landscape Professionals Green Express Horticulture Short Course. Southern Adventist University, Collegedale. January.

Pruning Trees for Structural Integrity. 2008. Tennessee Nursery & Landscape Association Winter Education & Exhibition, Pigeon Forge. February.

Specifications for Buying, Planting and Establishing Trees in Landscapes. 2008. Kentucky Urban and Community Forestry Conference, Holiday Inn North, Lexington, Kentucky. February.

Pruning Young Trees for Structural Integrity. 2008. Kentucky Urban and Community Forestry Conference, Holiday Inn North, Lexington, Kentucky. February.

Putting MFI Principles into Practice. 2008. Municipal Forester Institute, T Bar M Resort & Conference Center, New Braunfels, Texas, February.

Selecting Quality Nursery Stock. International Society of Arboriculture Southern Chapter 66th Annual Conference & Trade Show.

Knoxville Hilton Hotel, Knoxville. March.

Preventing Hazard Tree Defects. 2008. Engaging Communities in Urban Tree Risk Assessment, Nashville. April.

Preventing Hazard Tree Defects, 2008. Engaging Communities in Urban Tree Risk Assessment, Cookeville. May.

Preventing Hazard Tree Defects. 2008. Engaging Communities in Urban Tree Risk Assessment, Jackson. June.

Arboriculture Techniques for Keeping Trees Healthy. 2008. Tennessee Green Industry Field Day, Williamson County Ag Expo Park, Franklin. June.

Preventing Hazard Tree Defects. 2008. Engaging Communities in Urban Tree Risk Assessment, Pre-Conference Workshop, Tennessee Urban Forestry Council Annual Conference, Knoxville. September.

Injection Treatments for Trees. 2008. 3rd Annual Field Days, Professional Landscaper's Association of Nashville Tennessee. Samara Farms, Nashville. October.

Three-Year Tree Maintenance Schedule. 2008. 3rd Annual Field Days, Professional Landscaper's Association of Nashville Tennessee. Samara Farms, Nashville. October.

Landscape Tree Selection and Maintenance. 2008. Pleasant Hill Community Training Session, Pleasant Hill. October.

Arboriculture techniques. 2006 Tennessee Green Industry Field Day, Otis L. Floyd Nursery Research Center, McMinnville. August.

Right tree for the right place. 2006. Presentation at the Tennessee Conference of Planning, Landscape Architecture and Urban Forestry, Nashville. September.

Sustainable development: root zone & structural soil. 2006 Tennessee Conference of Planning, Landscape Architecture and Urban Forestry, Nashville. September.

Root depth and girdling root issues in the landscape and nursery. 2006. Middle Tennessee Nursery Association Annual Workshop, McMinnville. October.

Grading and pruning young trees. 2004. Tennessee Nursery & Landscape Association Winter Educational Seminar, Chattanooga. January.

Agriculture's job opportunities. 2003. Dismas House Passages Program (Putnam County Jail), Cookeville. November.

Myths that kill trees. UT Extension Service Landscape Tree and Shrub Care Professional Workshop, Franklin TN. November, 2003.

Cultural practices for landscapes. Annual Tennessee Nursery & Landscape Association Short Course. Various locations. 2003, 2002, 2001, 2000, 1999, 1998, 1997, 1996, 1995, 1994.

Horticultural Therapy. Awards Banquet speaker. Chattanooga Association of Landscape Professionals. April, 2002.

Horticultural therapy seminar. Keynote Speaker, Friends of the Arboretum & Cooperative Extension Service, Lexington, Kentucky. May, 2001.

Basic tree pruning techniques, AND Tree root growth patterns. First Green Industry Field Day, McMinnville. August, 2000.

Tree roots – a review. 6th Annual Tennessee Urban Forestry Conference, Nashville, 1998.

Airhart, D.L. 1994. Hiring the disabilities makes good sense. Grounds Session, Tennessee Turfgrass Association Conference, Nashville, Tennessee.

Airhart, D.L. 1994. Groundcovers (Tennessee Certified Nursery Professional list). 27th Tennessee Nursery Shortcourse, Gatlinburg, Tennessee.

Airhart, Kathleen and D.L. Airhart. 1994. Hiring the handicapped for farm market profits. Tennessee Fruit and Vegetable Association Conference, Nashville, Tennessee.

Airhart, D.L. 1994. Garden southern belles. Tennessee Technological Alumni Appreciation Day, Cookeville, Tennessee.

Airhart, D.L. 1994. Basic residential landscape planning. White County Gardener's Club, Sparta, Tennessee.

Airhart, D.L. 1994. Horticultural therapy programming for botanic gardens. HT Charett, Rio Grande Zoo, Albuquerque, New Mexico.

Airhart, D.L. 1994. Tree health seminar, Cookeville Tree Board, Cookeville, Tennessee.

Airhart, D.L. and K.M. Airhart. 1994. Landscape maintenance for state use contractors. Advocacy and Resources Corporation, Cookeville, Tennessee.

Airhart, D.L. and K.M. Airhart. 1993. Wheelchair accessible gardening. American Community Gardening Association Annual Conference, Louisville, Kentucky.

- Airhart, D.L. 1993. Planting wildflowers in Tennessee landscapes. Tennessee Flower Growers Shortcourse, Gatlinburg, Tennessee.
- Airhart, D.L. 1993. Hiring people with disabilities makes good sense. Tennessee Flower Growers Shortcourse, Gatlinburg, Tennessee. October.
- Airhart, D.L. 1992. Stress management. Professional Secretaries International, Upper Cumberland Chapter. Cookeville, TN. September.
- Airhart, D.L. and K.M. Doult. 1992. Horticultural therapy: programming, planning, and activities. Horticulture as Therapy Workshop, Memphis Botanic Garden, Memphis, TN. February.
- Airhart, D.L. 1992. Landscape maintenance basics. 25th Annual Tennessee Nursery Short Course, Riverside Inn, Gatlinburg, TN. February.
- Airhart, D.L. 1991. Horticulture hiring people with disabilities. Annual Conference, Professional Plant Growers Association, Opryland Hotel, Nashville, TN. September.
- Airhart, D.L. and K.M. Doult. 1990. Measuring client progress in horticultural therapy. 18th Annual Conference, American Horticultural Therapy Association. Albuquerque, NM. August.
- Airhart, D.L. 1990. Adaptive tools and ideas to make gardening easier. 114th Annual Meeting, American Association on Mental Retardation. Atlanta, GA. May.
- Airhart, D.L. 1990. The profession of horticultural therapy. Horticultural Therapy Awareness Workshop, State Botanical Garden of Georgia. Athens, GA. May.
- Airhart, D.L. and K.M. Doult. 1990. Measuring client improvement in vocational horticultural training. Symposium on the Role of Horticulture in Human Well-Being and Social Development. Arlington, VA. April.
- Airhart, D.L. 1990. Tree care: Fact vs. fiction. 23rd Annual Tennessee Nursery Shortcourse. Nashville, TN. February.
- Airhart, D.L. 1990. Horticultural therapy panel. Georgia Master Gardener Winter Meeting. Atlanta Botanical Gardens. Atlanta, GA. January.
- Airhart, D.L. and K.M. Doult. 1990. Measuring client progress in horticultural therapy. 18th Annual Conference, American Horticultural Therapy Association. Albuquerque, NM. August.
- Airhart, D.L. 1989. Planting wildflower meadows. Cheekwood Botanical Gardens Wildflower Day. Nashville, TN. April.
- Airhart, D.L. 1989. Horticultural job skill training for clients with disabilities. 20th Annual Tennessee Flower Growers Short Course. Nashville, TN. October.
- Airhart, D.L. 1989. Natural target pruning of trees. Tree Maintenance Practices Workshop. Cookeville, TN. October.
- Airhart, D.L. 1989. Adaptive tools and ideas for gardeners with disabilities. 75th Children's Gardening Symposium, Brooklyn Botanic Garden. Brooklyn, NY. September.
- Airhart, D.L. 1989. Stress management techniques. Delaware Valley AHTA Chapter Workshop, Horticultural Center. Philadelphia, PA. June.
- Airhart, D.L. 1989. Professionalism in horticultural therapy. Carolinas AHTA Chapter Workshop, Wilkesboro Community College. Wilkesboro, NC. June.
- Airhart, D.L. 1989. Campus tree survey. Tennessee Board of Regents, 7th Annual Physical Plant and Planning Seminar, Nashville State Technical Institute. Nashville, TN. May.
- Airhart, D.L. 1989. Growing connection in therapy. Georgia Center for Continuing Education. Athens, GA. May.
- Airhart, D.L. 1989. Wildflowers for roadside plantings. 22nd Annual Tennessee Nursery Shortcourse. Maxwell House, Nashville, TN. February.
- Airhart, D.L. 1989. National highway beautification projects. 22nd Annual Tennessee Nursery Shortcourse. Maxwell House, Nashville, TN. February.
- Airhart, D.L. 1988. A cutting garden using wildflowers. Cheekwood Botanical Gardens Wildflower Week. Nashville, TN. April.
- Airhart, D.L. 1988. Field grown cut flowers in Tennessee. 19th Annual Tennessee Flower Growers Short Course. Hyatt Regency, Memphis, TN. October.
- Airhart, D.L. 1988. Horticultural therapy: A profession, not just a job. 2nd Annual Mid-South Horticultural Therapy Workshop. Atlanta Botanical Gardens. Atlanta, GA. October.

- Airhart, D.L. 1988. Campus tree surveys. State Board of Regents 6th Annual Physical Plant and Planning Seminar. Middle Tennessee State University, Murfreesboro, TN. June.
- Airhart, D.L. 1988. Tax incentives for hiring disabled workers. 21st Annual Tennessee Nursery Shortcourse. Maxwell House, Nashville, TN. January.
- Airhart, D.L. 1987. Horticultural therapy - research and practice. Biology Department Seminar. Tennessee Technological University. October.
- Airhart, D.L. 1987. Horticultural therapy in a hospital setting. Mid-South Horticultural Therapy Workshop. Appalachian Center for Crafts, Smithville, TN. October.
- Airhart, D.L. 1987. Adaptive tools. Mid-South Horticultural Therapy Workshop. Appalachian Center for Crafts. October.
- Airhart, D.L. 1987. Horticultural therapy for rehabilitation. Mid-South Horticultural Therapy Workshop. Appalachian Center for Crafts. October.
- Airhart, D.L. 1987. Horticultural therapy in a hospital setting. First Horticultural Therapy Workshop. Albuquerque, NM. October.
- Airhart, D.L. 1987. Natural target pruning. First Horticultural Therapy Workshop. Albuquerque, NM. October.
- Airhart, D.L. 1987. Contracting tree maintenance. Tree Climbing Short Course. Tennessee Tech University, Cookeville, TN. August.
- Airhart, D.L. 1987. Noxious weeds in landscape wildflower seed mixes. Southern Nurserymen's Assoc. Research Conference. Georgia Congress Center, Atlanta, GA. July.
- Airhart, D.L. 1987. Natural target pruning. Annual Conference, American Horticultural Therapy Association. Houston, TX. July.
- Airhart, D.L. 1987. Perennials and biennials. Basic Greenhouse Production Practices Short Course. University of Missouri, Columbia, MO. June.
- Airhart, D.L. 1987. Vegetative plant propagation. Basic Greenhouse Production Practices Short Course. University of Missouri, Columbia, MO. June.
- Airhart, D.L. 1987. Noxious weeds from commercial seed suppliers. Annual Meeting, Southern Region American Society for Horticultural Science. Nashville, TN. February.
- Airhart, D.L. 1987. Landscape wildflowers for field production. 20th Annual Tennessee Nursery Short Course. Fall Creek Falls, TN. January.
- Airhart, D.L. 1986. Tree and shrub maintenance. Campus Tree and Shrub Maintenance Workshop, Tech Aqua Biological Center, TN. December.
- Airhart, D.L. 1985. Tree and shrub maintenance. Campus Tree and Shrub Maintenance Workshop, Tech Aqua Biological Center, TN. December.
- Airhart, D.L. 1985. Chapter involvement in the national council. 3rd Horticultural Therapy Networking Meeting. Wilkesboro Community College, Wilkesboro, NC. October.
- Airhart, D.L. 1985. Horticultural therapy - an overview. 2nd Annual Head Trauma Symposium. Volunteer State Community College, Gallatin, TN. October.
- Palmer, H. and D.L. Airhart. 1985. Drip irrigation systems. Nursery Workshop. Civic Center, McMinnville, TN. October.
- Airhart, D.L. 1985. Solar greenhouse horticulture and management. 40th Annual Meeting, American Horticultural Society. Chicago Botanic Garden, Glencoe, IL. September.
- Airhart, D.L. 1985. Basic landscape planning. 'Garden Days'. Fairfield Glade, Crossville, TN. March.
- Airhart, D.L. 1983. Overcoming horticultural problems in solar greenhouses. 3rd International Greenhouse Energy Symposium, International Society for Horticultural Science. Ohio State University, Columbus, OH. September.
- Airhart, D.L. 1982. Pure, live seed calculations for seeding wildflowers in the field. 38th Horticultural Congress, International Society for Horticultural Science. Congress Centrum, Hamburg, West Germany. August/September.
- Airhart, D.L. 1982. Garden therapy in a hospital setting. Annual Meeting, Federated Garden Clubs of Connecticut. Connecticut Agricultural Experiment Station, New Haven, CT. September.
- Airhart, D.L. 1982. Gardening ideas and adaptive tools for physically disabled individuals. Annual Conference, National Educational Council on Creative Therapies. Winterville Conference Center, Winterville, NH. May.

Airhart, D.L. 1981. Biological pest control strategies. 9th Annual Conference, National Council for Therapy and Rehabilitation through Horticulture. Grand Hyatt Hotel, New York City, NY. September.

Airhart, D.L. 1981. Greenhouse energy conservation. 9th Annual Conference, National Council for Therapy and Rehabilitation through Horticulture. Grand Hyatt Hotel, New York City, NY. September.

Cronin, J.D. and D.L. Airhart. 1981. Adaptive gardening tools. Northeast Regional Meeting, American Society for Horticultural Science. New England Center for Continuing Education, University of New Hampshire, Durham, NH. January.

Airhart, D.L. 1981. Greenhouse growing problems. Berkshire Community College Horticulture Class. Berkshire Garden Center, Stockbridge, MA. April.

Airhart, D.L. 1981. Therapeutic aspects of horticulture. Tom Larson Television Program, Channel 38. Boston, MA. April.

Airhart, D.L. and J.D. Cronin. 1981. Gardening ideas for physically handicapped individuals. 78th Annual Meeting, American Society for Horticultural Science. Marriott Hotel, Atlanta, GA. August.

Airhart, D.L. 1981. Greenhouse energy conservation. 7th Annual Conference, Natural Organic Farmers Association. Johnson College, Johnson, VT. August.

Airhart, D.L. 1981. Biological pest control strategies. 7th Annual Conference, Natural Organic Farmers Association. Johnson College, Johnson, Vermont. August.

Airhart, D.L. 1980. Horticultural therapy programs and facilities. Annual Conference, National Educational Council on Creative Therapies. Boston Sheraton Hotel, Boston, MA. September.

Airhart, D.L. 1980. Roadside wildflower research projects. An invited paper to the Landscape and Environmental Design Committee, Annual Meeting, Transportation Research Board of the Federal Highway Administration. Sheraton Hotel, Washington, D.C. January.

Airhart, D.L. 1980. Roadside wildflower research in Massachusetts. Invited member of panel, Northeast Transportation Landscape Architects' Meeting. Massachusetts Department of Public Works. District II Office, Northampton, MA. April.

Airhart, D.L. 1980. Strategies for greenhouse sanitation. 8th Annual Conference, National Council for Therapy and Rehabilitation through Horticulture. Father Flanagan's Boys' Home, Boys Town, NE. August.

Airhart, D.L. 1980. Biological pest control for therapeutic greenhouses. 8th Annual Conference, National Council for Therapy and Rehabilitation through Horticulture. Father Flanagan's Boys' Home, Boys Town, NE. August.

Airhart, D.L. 1979. Energy conservation in greenhouses. 7th Annual Conference, National Council for Therapy and Rehabilitation through Horticulture. Chicago Horticultural Society Botanic Garden, Chicago, IL. September.

Airhart, D.L. 1978. Horticultural therapy at the University of Massachusetts. 75th Anniversary Meeting, American Society for Horticultural Science. Sheraton Boston Hotel, Boston, MA. July.

Airhart, D.L., N.J. Ntarella, F.A. Pokorny. 1978. Phytotoxic responses of cucumbers germinated in surfactant treated milled pine bark. Northeast Regional Meeting, American Society for Horticultural Science. University of Massachusetts, Amherst, MA. January.

Airhart, D.L. 1977. Growing media - selection and preparation. 5th Annual Conference, National Council for Therapy and Rehabilitation through Horticulture. Sunland Center, Marianna, FL. September.

Airhart, D.L., N.J. Ntarella, F.A. Pokorny. 1976. The ultrastructure of milled pine bark. 36th Annual Meeting, Southern Region of the American Society for Horticultural Science. Ramada Inn, Mobile, AL. February.

Airhart, D.L., N.J. Ntarella, F.A. Pokorny. 1976. Wetting efficiencies of surfactant solutions used to irrigate a manufactured milled pine bark substrate. 73rd Annual Meeting, American Society for Horticultural Science. Louisiana State University, Baton Rouge, LA. August.

Grantsmanship

Externally Funded

Submitted May 2023. Periodical Cicada: Study of potential controls for the Tennessee Nursery Industry/. Horticultural Research Institute, Columbus OH. For FY 2024-2025. (\$ NOT Funded.)

Submitted March 2023. Periodical Cicada: Study of potential controls for the Tennessee Nursery Industry/. Specialty Crop Block Grant Program, Tenn. Dept. AG. For FY 2024-2025. (\$25,000 pending).

Periodical Cicada: Study of potential controls for the Tennessee Nursery Industry/. Horticultural Research Institute, Columbus OH. April 2022. Funded \$33,661 (17 April 2023 – 31 August 2024).

Periodical Cicadas: Impact and Potential Controls for Tennessee Nursery Industry. Horticultural Research Institute,

Columbus OH. March 2021. Funded \$28,636 (15 April '22 – 31 Aug 2023).

Proposed: Organizational Effectiveness Training Vignettes (8 collaborators). TBR Open Education Resources Low Cost/No Cost. Nov 2021. \$100,000 office of research. Not Funded.

Proposed: Periodical Cicada: Impact and control. Horticulture Research Institute, hri@americanhort.org. April 2020, \$31,145. Not Funded.

Proposed: Virtual lab vignettes for recruiting. TBR Open Educational Resources. \$86,956. Not funded.

Proposed: Survival Audit of TAEP Tree Planting Projects. Forestry Department, TAEP, TN Ag Dept. June 2020, \$9,580, 50% match. Not Funded.

Proposed: Virtual Lab Activity Vignettes for Recruiting. TBR Open Educational Resources-Low Cost/No Cost. Nov 2020. \$86,956. Not Funded.

Tree Growth Regulator Study, \$2000. Plant Growth Management Systems, Niles MI; and Greenleaf Chemical LLC, Henderson NV. 2014. Funded.

Planting Non-Vegetated Riparian Zones in Cookeville Urban Growth Boundary Map, South Business Park. \$500. Tenn. Wildlife Resources Agency, collaborating with Cookeville Department of Public Works. 2012.

Cookeville Urban Forestry – Inventory, Ordinance Compliance. Tennessee Division of Forestry. \$6,721 (50% match).

Crossville Urban Forestry – Inventory, Tree Health Evaluation. Tennessee Division of Forestry. \$3,000 (50% match).

Grades & Standards for Tennessee City Trees. Tennessee Division of Forestry. \$4,300 (50% match).

Tennessee Directory of Urban Forestry. Tennessee Department of Agriculture, Division of Forestry. \$10,680 (50% match).

Evaluation of Trunk Flare Planting Depth of Field-Grown Trees from Tennessee Nurseries. John Z. Duling TREE Fund Project. \$6,975 (50% match).

Electronic Tutorials for Basic Tree Establishment and Maintenance Techniques. National Urban and Community Forestry Advisory Council. \$157,508 (50% matching).

Arborist's Certification Training Workshops. Tennessee Department of Agriculture, Forestry Division. \$40,175 (50% match).

Tennessee Urban Forestry Directory. Tennessee Division of Forestry. \$25,959 (50% matching).

Municipal Tree Pruning Training Videos. Tennessee Division of Forestry. \$15,191 (50% matching).

Campus Tree Inventory. Putnam County School District and Cookeville Tree Board. \$900.

Tree Maintenance Training Seminars for Tennessee Tree Boards. Tennessee Division of Forestry. \$11,000 (50% match).

Enhancing Growth and Flowering of Annual and Perennial Bedding Plants Using Copper Hydroxide Treated Containers (with Dr. Michael Arnold), Griffin Corporation, 1991, \$2,450.

Landscaping Tennessee Interstates with Wildflowers and Native Plants, Tennessee Department of Transportation, 1990-1993. \$44,441.

Entry Level Skills Training in Horticulture for Persons with Disabilities, Horticultural Research Institute, 1990, \$2,000.

Fertility Responses of Field-Grown Perennial Wildflowers, Horticultural Research Institute, 1990, \$2,000.

Chemical Residuals on Tomato and Spinach, Pennwalt Chemical Corporation, 1989, \$3,500.

Horticultural Skills Training, Upper Cumberland Human Resource Agency, 1989-1990, \$9,968.

Horticultural Training Program, Tennessee Rehabilitation Services, 1988-1990, \$17,925.

Seeding Tennessee Coneflower, Tennessee Department of Conservation, 1987-1990, \$536.

Roadside Wildflowers, Project R5-9, Massachusetts Department of Public Works, 1979, \$20,000.

Operation Wildflowers, Project R5-5, Massachusetts Department of Public Works, 1978, \$15,000.

Internally Funded (Faculty Research, Quality Education Program, Instructional Improvement):

QEP, TTU Centennial Celebration, Quadrangle Weed Science. \$3,000. 2012-2013.

QEP, TTU Centennial Celebration, Quadrangle Turfgrass Management. \$3000. 2012-2013.

QEP, South Hall Raised Beds for Floral Displays. \$3000. 20212-2013. With Dr. Branson.

FRG, Economic Impact of Trunk Flare Excavation of Field-Grown Nursery Trees. \$3000. 2012-2013. With Dr. Best.

FRG, High Tunnel and Field Production of Organic Cut Flowers. \$3000. 2012-2013. With Randy Dodson.

FRG, Trunk Flare Depth in Nursery Trees, \$3,000. 2004-2005.

FRG, Effects of Microwave Treatment on Germination of Bedding Plant Seeds, \$2,400. 1996-1997.

FRG, Effect of Microwave Treatment on Germination of Bedding Plant Seeds, 1994-1995, \$2,400.

FRG, Micropropagation of Echinacea species, 1989-1990, \$2,040.

FRG, Nutrient Film Technique for Cut Flowers, 1988-1989, \$1,855.

FRG, Wildflower Cultivation, 1987-1988, \$2,025.

FRG, Wildflower Cultivation, 1986-1987, \$900.

FRG, Wildflower Cultivation, 1985-1986, \$900.

EIG, Non-Instructional. Grades and Standards for Tennessee Trees. Not Accepted.

EIG, Comparison of Raised Beds and Ground Beds, 1988-1989, \$911.

EIG, Horticultural Therapy Slides Development, 1987-1988, \$1,940.

EIG, Plant Science Slide/Cassette Sets, 1986, \$300.

Other Contributions

Teaching Equipment, Dosatron Fertilizer Injector. \$305. 2013.

Teaching Equipment, Florist Cooler, \$3380. 2013.

Tennessee Urban Forestry Council, Executive Committee Travel, 2000, 2001, 2002, 2003. \$1855.

American Horticultural Therapy Association Travel, 1990, \$364.

Human Issues in Horticulture Travel, 1990, \$168.80.

American Association of Mental Retardation Travel, 1990, \$168.68.

Horticultural Therapy Officer Travel, 1987-91, \$2,550.

Associated Landscape Contractors of America Student Competitions Travel, \$3,600. Agricultural Foundation of Tennessee Tech, and industry and private contributions. 1995-2001.

Horticultural Therapy Student Travel, \$250. Private contribution, 1987.

Horticultural Therapy Supplies, \$75. Private contribution, 1987.

Restricted Greenhouse, \$150. Cookeville Water Department, 1985.

In-Kind Contributions

Ebb and Flow Growing Bench, \$485. Campbell O'Brien Limited, Georgetown, Ontario, Canada, 1989.

Landscape Plant Specimens, \$335. Gilbert's Nursery, Inc., Chesnee, North Carolina, 1989.

Soilless Growing Media, \$420. Fisons Western Corporation, 1989.

Soilless Growing Mix, \$340. Fafard of South Carolina, Inc., 1987.

Tree Pruning Tools, \$146. Corona Clipper Company, 1987.

Mulch Demonstration Materials, \$1,190. Green Forest Wood Products, Co., Inc., 1986.

Professional Activities

Reviews

Peer Review, 2021. More than just a gardening program – Using HT for incarcerated persons. Sin-Ae Park, Editor-in-Chief, *Acta Horticulturae*. Summer.

Contributing Editor, 2017. *Sustainable Urban Forest: Step-by-step approach*. Davey Institute and USDA Forest Service. November.

Peer Review, 2017. Impact indicators for community garden programs: using Delphi methods . . Paper #HortTech-03848. August.

Editorial Review, 2017. *Guide to Plant Appraisal*, Council of Tree and Landscape Appraisers. Feb/March.

Peer Review, 2017. 2nd Review, 2014. Improving peer relations of elementary school students through a school gardening program. Sin-Ae Park, Seong-Sil Kim, Sin-Ae Park, and Ki-Cheol Son [Paper #HORTTECH-02693R].

Review, 2016. School Gardening in South Carolina: A Descriptive Study. Elizabeth Symon, Carl Taylor, Olivia Thompson, Alexander Way, and Amy Dabbs [Paper # HORTTECH-03543]. Summer.

Peer Review, 2016. Gardening intervention for physical and psychological health benefits in elderly women at community centers. D-S Kim, S-A Park, A-Young Lee, W-L lee, K-C Son, D-S Kim. [Paper #HortTech-03401]. Spring.

Peer Review. *Sustainable Urban Forest Guide – Draft*. Davey Institute/USDA Forest Service, Philadelphia. January.

Review, 2014. *Best Management Practices, Tree Support Systems: Cabling, Bracing, Guying, and Propping*. Third Edition 2014. E. Thomas Smiley and Sharon Lilly. ANSI A300 Part 3 (2013), Supplemental Support Systems.

Editor, 2012. *Branching Out*, 2012. Newsletter of Tennessee Urban Forestry Council. Four issues.

Editor 2012. *Arborist's Certification Study Guide, 3E*, 2010.

Delmar Cengage Learning. 2007. Review of revised publication *Landscaping: Principles & Practices*, Jack Ingels, 7E.

American Society for Horticultural Science. Since 1999, *HortScience*, *HortTechnology*; reviewer of articles associated with human issues in horticulture and horticultural therapy.

Lily, Sharon. 2001. *Arborist's Certification Study Guide*, International Society of Arboriculture.

Wells, Suzanne. 1997. Horticultural therapy and the older adult population. The Haworth Press.

Ingels, Jack. 1996. Manuscript Review, *Landscaping Principles & Practices*. Delmar Publishing. 3rd Edition

Extended Education / Workshops Conducted

9th Horticultural Therapy Workshop, Memphis Botanic Garden, Memphis, 2014.

Coordinator, Presenter, "Healing Through Gardening – Basic Programming/Activities and Program Development/Implementation", First Horticultural Therapy Symposium, UT Botanical Gardens, Knoxville. June.

Keynote Speaker, Missouri Urban Forestry Council, Annual Conference. Jefferson City, 2014.

8th Horticultural Therapy Workshop, Memphis Botanic Garden, Memphis, 2013.

7th Horticultural Therapy Workshop, Memphis Botanic Garden. Memphis, 2012.

Horticultural Therapy, Memphis Botanic Garden, Memphis, 2006.

Tree Mycorrhizae, Cookeville Tree Board and Tennessee Tech, 1998.

Landscape Gardening, Tennessee Tech Extended Education, 1997.

Basic Tree Maintenance Practices, Tennessee Tech Extended Education, 1997.

Member, Graduate Committee for Nicole Sims, Biology Department. 1996-1997

Tree Maintenance Practices, Tennessee Tech Extended Services. 1995.

Landscape Gardening, Tennessee Tech Extended Services. TLC for Trees, Tennessee Tech Extended Services. 1995.

Workshop Coordinator. "Horticulture Therapy Workshop: Indoor and Outdoor Projects," Huntsville, Botanic Garden, Alabama, November 1995.

Cookeville Tree Board's Tree Care Workshop, TTU. 1995

Workshop Coordinator. "Horticultural Therapy Workshop: For you, your group, agency or facility", Huntsville, Botanic Garden, Alabama, April 1995.

Tree Health Clinic, Cookeville Tree Board, Cookeville, Tennessee. June 1993.

Horticultural Therapy - With or Without a Garden. Memphis Botanic Garden, Memphis, TN. February 14-15, 1992.

19th Annual Conference Chairperson, American Horticultural Therapy Association. Philadelphia, PA. August 4-6, 1991.

Tree Maintenance Practices. Cookeville Utility District, Tennessee Technological University. October, 1989.

17th Annual Conference, American Horticultural Therapy Association. Nashville, TN. August 21-24, 1989.

Practical Horticulture for Special Education. TTU Educational Development Program, Curriculum and Instruction. July 29, 1988.

Mid-South Horticultural Therapy Workshop and Chapter Development Meeting. Appalachian Center for Crafts. October 24-25, 1987.

Plant Propagation, Basic Greenhouse Practices Shortcourse. University of Missouri, Columbia. June 15-20, 1987.

Tree Climbing Shortcourse and Supervisors Workshop. Tennessee Tech University. August 24-28, 1987.

Tree and Shrub Maintenance Workshop. Tech Aqua, Smithville, TN. December 8-10, 1986.

Campus Tree and Shrub Maintenance Workshop. Tech Aqua, Smithville, TN. December 9-11, 1985.

Nursery Research and Services Program Activities

Tennessee FFA State Horticulture (Floriculture and Nursery) Career Development Events: 2002-2022.

Tennessee FFA Regional Horticulture Career Development Events: Various years, since 1997.

Tennessee Nursery & Landscape Association Trade Shows: 1984 - 2018.

Tennessee Urban Forestry Council Conferences: 1997 - 2012.

Tennessee Nursery & Landscape Association Short Courses: 1985 - 2018.

Middle Tennessee Nursery Trade Shows: 1987-2016 .

Tech Farm Greenhouse Enterprises

Crops: Poinsettias for Christmas; Tulips for Valentine's Day; Asiatic Lilies for Easter; Marigolds and Begonias for Farm Day; plant specimens and samples for FFA State Career Development Events in Floriculture and Horticulture.

University and College Services

School of Agriculture Academic Council Representative, and Faculty Senate, 2017 to 2022.

School of Agriculture Faculty Representative to TTU Agriculture Foundation, 2017 to 2022.

Chair, TTU Buildings & Grounds Committee, 2008 to 2021.

Member, TTU Institutional Review Committee for the Protection of Human Subjects. 1995-2001.

Member, College Faculty Development Committee. 2006-2013.

Member, College Promotions Committee, Dr. Swafford. 2013.

Member, School of Agriculture Scholarships and Awards Committee. 1995-2004, 2012-present.

Member, Highlands Initiative Image Committee, Cookeville-Putnam County Chamber of Commerce. Since 2007.

Attendee, Southern Nurserymen's Association Trade Show: 1987, 1985.

Attendee, Tennessee Flower Growers' Association Meeting: 1985-89, 1992, 1995, 2013, and 2014.

Consultant, Warren County roadside landscape appraisal and highway interchange designs: 1986.

Professional Memberships

American Society for Horticultural Science

American Horticultural Therapy Association

Chattanooga Association of Landscape Professionals –

Honorary Lifetime Membership.

International Society of Arboriculture (Life Member)

Society of Municipal Arborists (Arborist Exchange Committee)

Professional Affiliations

Tennessee Flower Growers Association

Tennessee Nursery & Landscape Association

Middle Tennessee Nurserymen's Association

Honors and Recognition

National Program Advisor, America in Bloom National Community Vitality Program, since January 2022.

National Program Judge, America in Bloom National Community Awards Program, October 2015-December 2021.

TUFC Corporate Arboretum Representative, Graceland Celebration, Memphis, March, 2014.

NACTA Teaching Award of Merit. 2013.

Exhibits Judge, Nashville Antique and Garden Show, Convention Center, Nashville. February. 2012, 2013.

Judge, National FFA Career Development Event, Floriculture. Indiana State Fair Grounds, Indianapolis IN. 2012, 2013.

President's Award, Tennessee Urban Forestry Council. 2008.

Municipal Specialist Certification, Society of Municipal Arborists, International Society of Arboriculture, 2007.

Innovation Award, Tennessee Board of Regents, State University & Community College System of Tennessee, 2003.

Honorary Lifetime Membership, Chattanooga Association of Landscape Professionals, since 2001.

Council Member Award, Tennessee Urban Forestry Council. 2001

Adjunct Faculty appointment, University of Tennessee. 2001-2005.

Secretary, Tennessee Urban Forestry Council, 2001, 2000, 1999, 1998.

Redbud Award (First Annual), Cookeville Tree Board. 1998

Certified Arborist Certification, International Society of Arboriculture, 1997.

Honorary State FFA Degree, Tennessee FFA Association, 1997.

Chair, Program Committee 1995, Annual Conference, American Horticultural Therapy Association, Montreal, Quebec.

Rhea McCandliss Professional Service Award, 1992, American Horticultural Therapy Association, Gaithersburg, Maryland.

Immediate Past President, 1989-1992, American Horticultural Therapy Association, Gaithersburg, Maryland.

Board of Trustees, 1988-1991, Cheekwood Botanic Garden and Fine Arts Center, Nashville, Tennessee.

President, 1987-1989, American Horticultural Therapy Association, Gaithersburg, Maryland.

Treasurer, 1988-1991, Cookeville Tree Board, Cookeville, Tennessee.

Appointed, 1987-1990, L. M. Ware Distinguished Teacher Award Selection Committee, Southern Region of American Society for Horticultural Science, Alexandria, Virginia.

Movers and Shakers. MarketLetter 2(41):1, October 12, 1987.

Secretary, 1985-1987, American Horticultural Therapy Association, Gaithersburg, Maryland.

Sigma Xi, 1985, Tennessee Technological University Chapter.

Graduate Faculty Appointment, 1984, Tennessee Technological University.

Special Senate Award, 1983, Stockbridge School of Agriculture, Amherst, Massachusetts.

Yearbook Dedication for Outstanding Contributions, 1981, Stockbridge School of Agriculture, Amherst, Massachusetts.

Outstanding Teacher, Floriculture, 1981, Stockbridge School of Agriculture, Amherst, Massachusetts.

Outstanding Professor, Floriculture, 1978, Stockbridge School of Agriculture, Amherst, Massachusetts.

Pi Alpha Xi, 1975, Horticulture Department, University of Georgia.

Alpha Zeta, 1969, School of Agriculture, University of California, Davis.

Eagle Scout, Boy Scouts of America, 1962.