



Tree Care Symposium, February 13, 2009
 Caring for the Green: The Role of Mature Trees in Urban Settings
FINAL SCHEDULE

8 – 8:30 am Registration: Coffee, tea, decaf served		
8:30 am	<u>Welcome and Introduction:</u> Lewis Ginter Botanical Garden representative Peter Girardi, Master of Ceremonies	
8:30 – 9:30 am Keynote	<u>Guy Meilleur / The Immortality of Trees</u>	
9:30 am – 12:15 pm	<u>Guy Meilleur / Detective Dendro and the Seven Scenarios: Solving Trees' Mysteries</u> 9:40 – 10:30 am: Overview of certification & knowledge requirements for BCMA 10:30 – 12 pm: Shotgun start for the seven 'scenario' stations.	
12:15 -- 1 pm LUNCH (in Robins Visitors Center)		
1:15 – 2:15 pm Keynote 2	<u>Dr. Jeffrey Kirwan / Communicating the Value of Big Trees</u>	
	<u>ARBORISTS</u>	<u>ADVANCED GARDENERS, MASTER GARDENERS, TREE STEWARDS</u>
2:15 – 3:15 pm	<u>Joel Koci / Pruning Basics / Preparing proposals to ANSI Standards</u>	<u>Karen Firehock (UVA) : Green Infrastructure Tools</u>
3:15 – 3:30 pm	BREAK W/REFRESHMENTS: soft drinks / cookies	
3:30 – 4:30 pm	<u>Joel Koci / Bare Root planting</u>	<u>Climate Change and Tree Biology</u> <u>Joseph Murray, Ph.D., Blue Ridge Community College</u> <u>(THIS IS A CHANGE)</u>
4:30 pm END OF SESSIONS CONTACT HOURS: 6		

Session Synopses:

- 8:30 am **The Immortality of Trees / Guy Meilleur**
Tools to assist in maintaining tree health include observing Tree Architecture as outlined in the work of European arborists, and practical experience in horticultural practice with rejuvenation and in the Oriental practices of bonsai and ‘cloud’ pruning. With these tools, ‘retrenchment’ pruning is possible to increase longevity by aiming for reiterations or ‘miniature trees.’
- The ‘mortality spiral’ is a familiar image to arborists, an irreversible downward swirl into imminent death, to which many urban trees are supposedly doomed. This is more accurately a ‘decline spiral’ which can be reversed with proper care. Steve Sillett, working with 1300-year-old severely damaged redwoods, noted that old, damaged trees do not always decline gently into that good night of death but reinvigorate themselves at a measurable rate. Guy Meilleur examines Sillett’s findings that, by discovering and collaborating with trees’ natural tendencies to sustain themselves, trees can co-exist in human habitats for many, many years.
- 9:30 am **Detective Dendro and the Seven Scenarios:
Preparation for the Board-Certified Master Arborist Test**
Guy Meilleur presents an overview of arborist certification levels and describes the range of knowledge tested for in the BCMA. Participants then break into smaller groups and go through seven stations in the Garden designed to simulate the BCMA test. Stations will be staffed by Master Arborists.
- 1:15 pm **Communicating the Value of Big Trees / Dr. Jeffrey Kirwan**
Communicating the value of big trees often leads to a discussion of storm water control costs, air pollution reduction and energy savings. But increasingly it is the social value of trees—their ability to increase cognitive development in children, reduce violent crime, lower attention deficits, and more—that is capturing the public imagination. Come hear how Forestry Professor Jeff Kirwan's search for remarkable trees has helped him re-discover the value of trees to a new generation of Virginians.
- 2:30 pm **Pruning Basics / Presenting your proposal in ANSI Standard terms / Joel Koci**
ANSI Standards are the professional standard for pruning practices, but they can also help you make your case to homeowners. Joel Koci reviews the ANSI standard and discusses 21st-century approaches to pruning for plant health and problem prevention.
- OR
- 2:30 pm **Green Infrastructure Tools / Karen Firehock**
Karen Firehock of the Green Infrastructure Planning Center makes a case for including ‘green infrastructure’ as a crucial component of planning initiatives, making the case for including urban tree canopies in planning assessments, and discusses strategies and tools for implementing an inventory of green infrastructure, using current examples in Virginia.
- 3:30 pm **Bare Root Planting / Joel Koci**
The re-discovery and increasing use of bare-root planting techniques has direct benefits for nurseries and arborists, as research continues to find that bare-root planting can eliminate stem-girdling roots—one of the most common problems leading to safety issues, economic losses caused by loss of mature trees or tree failures from a decline in plant health. Joel Koci discusses what to look for in basic diagnostic evaluations; strategies for prevention, treatment, and recovery; and outlines successful bare root planting techniques to prevent stem girdling roots from forming in the first place.

OR

3:30 pm

Climate Change and Tree Biology / Joseph Murray

Trees have been dealing with gradual climate change for millions of years. However, climatologists are now predicting a significant warming trend is occurring over a relatively short period of time. Along with increasing temperatures trees will be experiencing increasing episodes of dramatic temperature fluctuations. A basic understanding of how tree biology is impacted by temperature fluctuations will help in the development of strategies to reduce damage and to better diagnose temperature related disorders.

SPEAKERS

Guy Meilleur is an ISA Board-Certified Master Arborist, Municipal and Utility Specialist. He has been climbing and consulting for 42 years with BetterTreeCare of New Hill, NC (www.bettertreecare.com). He works up and down the East Coast, and is the author of numerous articles on various aspects of tree care. He speaks on tree care around the country.

Dr. Jeffrey Kirwan is a Professor and Extension Specialist, 4-H and Youth Forestry program in the Department of Forestry at Virginia Tech. He is an avid researcher and fan of big trees, and is co-author of the new book **Remarkable Trees of Virginia**, co-authored with Nancy Ross Hugo and published in fall 2008. He serves on the state advisory committees for Project Learning Tree and the Master Naturalist Program.

Joel Koci is a certified arborist with Arborcare, Inc. and holds a masters degree in Ornamental Horticulture from Virginia Tech. He has more than 20 years of experience as an arborist. He teaches in the Landscape Design and Woody Plants Certificate Program for the University of Richmond and at Lewis Ginter Botanical Garden.

Karen Firehock is the Director and co-founder of the Green Infrastructure Center and oversees green infrastructure planning and research projects. She is an environmental planner with more than twenty years of experience in planning and natural resources management. She is also an adjunct lecturer in green infrastructure planning, watershed planning, and environmental ordinance development at the University of Virginia's School of Architecture. She coordinated the national Community-Based Collaboratives Research Consortium, and conducted public outreach for the USDA Forest Service's Roundtable on Sustainable Forests.

Joseph Murray is a consulting arborist and an assistant professor of biology and director of the Blue Ridge Community College Arboretum in Staunton, Virginia. He is a popular lecturer to arborists, and teaches arborist certification classes, and master gardener and tree steward classes, in addition to a variety of other teaching and lecture opportunities. He is a frequent reviewer and contributor to publications for the International Society of Arboriculture.

Registration Form, 2009 Tree Care Symposium, February 13, 2009

- You may register online at: www.lewisginter.org. From the front page, click on the calendar link, then navigate to the event listing on February 13, 2009.
- You may fax this form to: 804-262-0048. Faxes are received in a secure location.
- You may register by phone at 804-262-9887 ext. 322 (M-F, 9 am – 2 pm)

Name			
Company			
Address			
City		State	Zip
Phone	Fax		
Email			
ISA member? (circle one)	YES	NO	
Please note any dietary needs here:			
<u>PROGRAM FEES:</u>			
Friday, February 13 Professional Program (includes lunch and breaks) (check appropriate boxes)			
LGBG members and members of ISA, VSLD, VNLA, Master Gardeners, Tree Stewards			\$90
Full-time student (includes UR Landscape Design Certificate and Woody Plants Certificate)			\$80
Non-member			\$100
X Number to enroll: (for multiple enrollments, include names, LGBG, ISA, VSLD, VNLA, Master Gardener or Tree Steward member status, plus any dietary needs on a separate sheet)			
<u>TOTAL FEE:</u>			\$
<u>PAYMENT (check method used)</u>			
Check enclosed, made out to 'LGBG Tree Care'			
Charge my: <input type="checkbox"/> MasterCard <input type="checkbox"/> VISA			
Number		Exp. Date	
Name on Card			
Signature			

Return this form to: Registrar
 Lewis Ginter Botanical Garden
 1800 Lakeside Ave.
 Richmond, VA 23228-4700

All programs subject to change.

1/21/2009