

Featuring:

Graeme McMahon

During the last forty years Graeme has worked as a climber in the Dandenong Ranges East of Melbourne. In addition he worked as hand faller in the Central Highlands for high production logging. A steady diet of large tree removals created a focus on the need for the pursuit of excellence in regard to practical skills and problem solving.

Despite the mechanisation for felling trees in logging operations Graeme is regularly called upon to conduct hand felling when harvesters are unable to operate and for "skyline" operations.

As a mature age student Graeme achieved a Bachelor of Education with majors in Recreation and Biomechanics. Combined with his experience in removing large trees the understanding of effective outdoor classrooms and an ability to discuss balance and objects in motion, make Graeme ideal to present on a range of topics to the tree industry.

Kevin T. Smith, Ph.D.

Kevin began his research work in forest pathology in the USDA Forest Service lab of Dr. Alex Shigo in 1977. Since that time, Kevin has investigated the role of stress, disease and beneficial fungi on forest health and productivity. His personal research topics include the compartmentalization of infection in living trees, the wood decay process, and environmental signatures within the tree-ring record. He has published more than 120 research papers, articles in trade journals, and book chapters. Kevin has received numerous awards for research and education including the US Forest Service Science Delivery Award in 2016 and is an honorary life member of the New Hampshire Arborist Association.

Ph.D., 1982, University of Georgia, Department of Plant Pathology, Athens, GA

M.S., 1979, University of New Hampshire, Department of Botany and Plant Pathology, Durham, NH

B.A., 1976, Connecticut College, Department of Botany, New London, CT



5.5 CEUs Credits and MN Tree Inspector Recertification Available



Working in Compromised Trees Practice and Theory

February 23, 2017

Rochester International Event Center

7333 Airport View Rd. SW • Rochester, MN 55902

Airport exit on Highway 63 South

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Graeme McMahon

Kevin T. Smith, Ph.D.



Register Today!

Registration is \$95 per person for MSA members and \$115 per person for non-MSA members. Use a copy of this to register now or go online to

www.rochesterarboristworkshop.com (which is open for online registration) with credit card or check payment. To ensure the quality of the workshop, space is limited.

Mail registration(s) with check to:

Rochester Arborist Workshop • 3930 Hwy 14 East • Rochester, MN 55904

Name(s) _____
(please include all participants)

Company Organization _____

City, State, ZIP _____

Phone _____ Email _____

Everyone is encouraged to stay for the 4-6 pm social after the workshop to visit with the speakers and network. There will be more door prizes and a climber's corner with Nick Grebe.

Standard registration is due by Friday, February 19.

MSA members	\$95
Workshop Fee and MSA membership	\$135
Non-MSA members	\$115
Groups of 7 or more	\$85

Registration includes: • Full program • Continental breakfast
• Buffet lunch • Afternoon refreshments

Register by Saturday, January 31 to be eligible to win a climbing Chainsaw. Other great door prizes will be available to all.

Questions about RAW or Vendor informaton should be sent to jay.maier@davey.com or call Jay Maier at 507-286-8733.

A Green Future

When attending RAW workshops, you're not only getting innovative information but you're creating opportunities for future caretakers of urban trees and supporting urban forestry. Funds raised go towards scholarships for arboriculture students.

7:45 : Welcome and Intro (McMahon)

8:00 : Creating a Work Plan for Unsafe Trees (McMahon)
Planning to remove a dead or weak tree takes a lot of consideration and thought. In this session, we will look at several examples of creative work plans and discuss the factors that led to the decisions that were made.

9:15 : Wood Structure, Strength, and Decomposition (Smith)
The structure of today's landscape trees reflect a competitive, stressful, and finely optimized set of tradeoffs of cost and benefit. One set of tradeoffs is with the wood decay process that can reduce wood strength, kill individual trees, and yet maintain healthy forests.

10:45 : Forces in rigging (McMahon)
Rigging is often the safest way to remove a tree that is near structures. But it is critical to understand and anticipate the forces involved so you can mitigate them, especially when a tree is compromised.

11:45 : Lunch and Door Prizes

1:00 : Hazard Tree Studies (McMahon)
Tahune (a single hazard tree), Triplet falls (a forest of vandalized trees) and Long term "fire killed E. regnans" (large scale dead). Each study contributes different values for the understanding when dealing with hazard trees.

2:45 : What's Special About EAB and Loss of Wood Strength? (Smith)
The introduced EAB is a pest with wide-ranging current impacts and future implications for the urban and community forest. Although much remains to be learned, we can begin to see the why and how behind the loss of structural stability and the increased hazard of working in and around infested ash.

3:45 : Wrap up and Q & A (McMahon)

4:00-6:00 : MSA Social and Climber's Corner (with Nick Grebe)