



# eNTS

The Magazine of the  
Native Tree Society  
Volume 1, Number 10, October 2011





## **eNTS: The Magazine of the Native Tree Society**

The Native Tree Society and the Eastern Native Tree Society

<http://www.nativetreesociety.org>

<http://www.ents-bbs.org>

Volume 1, Number 10, October 2011

### **Mission Statement:**

The Native Tree Society (NTS) and its parent organization the Eastern Native Tree Society (ENTS) are a cyberspace interest groups devoted to the documentation and celebration of trees and forests of the eastern North America and around the world, through art, poetry, music, mythology, science, medicine, wood crafts, and collecting research data for a variety of purposes. ENTS is the premiere tree measuring group of the eastern forest of the United States. This is a discussion forum for people who view trees and forests not just as a crop to be harvested, but also as something of value in their own right. Membership in the Native Tree Society and its parent organization the Eastern Native Tree Society is free and open to anyone with an interest in trees living anywhere in the world.

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### **Membership and Website Submissions:**

Official membership in the NTS and ENTS is FREE. Simply sign up for membership in our bulletins board at <http://www.ents-bbs.org>. Submissions to the website or magazine in terms of information, art, etc. should be made directly to Ed Frank at: [edfrank@nativetreesociety.org](mailto:edfrank@nativetreesociety.org). The *eNTS: the Magazine of the Native Tree Society* is provided as a free download in Adobe® PDF format through the ENTS website and the ENTS BBS. The editorial staff of *eNTS: the Magazine of Native Tree Society* are solely responsible for its content.

*COVER: Fall Foliage Near Reynoldsville, PA. Photo by Edward Frank, 2011.*

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# TABLE OF CONTENTS

A Nice Hawthorn, OH by Steve Galehouse	6
New 2011 big trees of Pa is available for \$15 by edfrank	6
Stienmuller-Smith Oak, LA by Larry Tucei	7
Bedford Reservation, Cuyahoga County, OH by Steve Galehouse	7
Lee Young Oak Live Oak, LA by Larry Tucei	9
Hello everyone! by hamadryad	10
Mycology and body languages? by hamadryad	10
Re: mycology and body languages? by Steve Galehouse	10
Some Bryant Woods, MA Fungi by Robert Leverett	12
Fungi in Reynoldsville, PA by Edward Frank	14
Google Ngram of "tuliptree" by Steve Galehouse	16
Re: Saving Ethiopia's "Church Forests" by Edward Frank	16
Fall Hike, NH 2011 by adam.rosen	17
Large American chestnut at Sheldon Marsh, OH by Steve Galehouse	19
#9) Re: What Projects Are You Working On? by hamadryad	20
#10) Re: What Projects Are You Working On? by Edward Frank	20
#11) Re: What Projects Are You Working On? by Will Blozan	20
#12) Re: What Projects Are You Working On? by Edward Frank	21
Angel Oak, October 2011 by bbeduhn	21
New here by Maarten Windemuller	22
What kind of shrub and tree? by Jenny Dudley	23
Comments about our webpage on Children and Teens by Donna Knowlten	23
Tall trees in Sächsische Schweiz National Park, Germany Oct 2011 by Kouta Räsänen	24
Re: Tall trees in Sächsische Schweiz National Park, Germany by Robert Leverett	24
Re: Tall trees in Sächsische Schweiz National Park, Germany by Gaines McMartin	24
Live Oaks at Bonaventure Cemetery, GA - Gallery photos by Randy Cyr	25
Live Oaks on the Beach at Jekyll Island, GA photo gallery by Randy Cyr	26
Hoh Rainforest, Olympic National Park, WA Gallery by Randy Cyr	26
Central Park Fall Migration ( trees!!) by Jenny Dudley	27
Re: Tracey Ridge Chestnuts by Rand Brown	27
Planned Daytime Activities on October 15, 2011	30
The 7th Annual Forest Summit Poster	30
Audubon Zoo New Orleans La Live Oaks by Larry Tucei	31
Swiss Tree hunter Michel Brunner	33
Re: External Baseline Method by Robert Leverett	33
Measuring Low Branching Trees: (Destrehan Plantation Live Oaks, LA) by Elijah Whitcomb	34
Re: Measuring Low Branching Trees (Destrehan Plantation Live Oaks, LA) by Larry Tucei	34
Dancing woolly aphids, OH by Steve Galehouse	35
Big Live Oak of Yesteryear, LA by Larry Tucei	36
Photo Competition Entry Critiques? by Jenny Dudley	36
Hemenway State Forest New Hampshire Ramble 10/8/2011 by Ray Caron	37
Acer Aspire One Netbook for Fieldwork by Edward Frank	40
Preserving banana trunk cross sections? by Cat Olin	44
Asian LongHorned Beetles by Bill Skvarla	45
Bacon Woods & Vermilion River, OH by Steve Galehouse	46
NYBG Hosts "The Future of Forests" by Jenny Dudley	49
Kyle Lake, PA Fall Foliage by Edward Frank	49

Kinzua Bridge State Park, PA by Edward Frank	51
Hillside near Falls Creek, PA Fall Foliage by Edward Frank	55
Collaborative tree mapping by Jean Weber	57
Northern California redwoods visit by AndrewJoslin	58
Re: Northern California redwoods visit by AndrewJoslin	60
Re: Northern California redwoods visit by M. D. Vaden	60
Live Oaks of Beauvoir, MS by Larry Tucei	62
New member by Pinecrest	64
Dolly Sods Wilderness, WV by James Robert Smith	64
Re: Dolly Sods Wilderness by jamesrobertsmith	65
ATG Climbs & Confirms Tallest Ponderosa. New Tall Sugar Pine by M.W.Taylor	66
Re: ATG Climbs & Confirms Tallest Ponderosa. New Tall Sugar by mdvaden	70
Re: ATG Climbs & Confirms Tallest Ponderosa. New Tall Sugar by M.W.Taylor	72
New TV Broadcast Confirms Tallest Pine Actually 268.29' by M.W.Taylor	72
Re: Tallest pine actu268.29 ft confirmed by AF by M D Vaden	72
Re: Pagami Creek Fire, Minnesota by Rand Brown	73
Fall Colors, October 11-14 2011, West Virginia by James Robert Smith	75
Osage Orange, WV by James Robert Smith	76
The 7th Annual Forest Summit Presenters	77
Re: The 7th Annual Forest Summit, Events of October 11th by Robert Leverett	85
Re: The 7th Annual Forest Summit, Events of October 12th by Robert Leverett	87
Re: The 7th Annual Forest Summi, Events of October 13th and 14th by Robert Leverett	89
Re: The 7th Annual Forest Summit, Events of October 15th by Robert Leverett	89
Re: The 7th Annual Forest Summit by AndrewJoslin	92
Netted Stinkhorn mushrooms by AndrewJoslin	93
ENTS Evening of Music, Poetry and Prose 10/15 by Monica Jakuc Leverett	96
Re: ENTS Evening of Music, Poetry and Prose 10/15 by AndrewJoslin	96
Re: ENTS Evening of Music, Poetry and Prose 10/15 by tomhoward	96
Re: The 7th Annual Forest Summit, Events of October 16, 2011 by Robert Leverett	97
Re: The 7th Annual Forest Summit by tomhoward	98
Re: Partitioning Diversity (Conference) by pauljost	100
Re: Pagami Creek Fire, Minnesota by Rand Brown	101
Re: Pagami Creek Fire, Minnesota by Lee Frelich	101
Chernobyl's de facto Wilderness Area by Kirk Johnson	102
Laser beam viewing aid by Paul Jost	102
Re: Laser beam viewing aid by M.W.Taylor	103
Oak hybrid opinion solicited by Turner Sharp	103
Spring Street Park, MA by Sam Goodwin	103
Eastern NY Sites by Tom Howard	104
Boston Run, CVNP, OH by Steve Galehouse	104
Road trip, Ct/RI by Sam Goodwin	105
2 Giant Sequoias Fall at Trail of 100 Giants	108
Re: Eldorado National Forest in the The Sierra Nevada by Don bertolette	108
Re: Eldorado National Forest in the The Sierra Nevada by M.W.Taylor	109
Updated Live Oak Project Listing by Larry Tucei	111
Northern Lights by Larry Tucei	111
Fall Hike, VT 2011 by Adam Rosen	111
Re: Fall Hike, VT 2011 by Larry Baum	113
Houmas House Plantation South Louisiana by Larry Tucei	113
Hermitage Plantation South Louisiana by Larry Tucei	116
Savoy Mountain pine, MA by John Eicholz	118



Re: Savoy Mountain pine, MA by John Eicholz	119
Re: Savoy Mountain pine, MA by Robert Leverett	121
Sigurd, Grandfather, and Thoreau Pine, MSF, MA	121
Lidar + Spectrometer by Rand Brown	130
Augusta-Anne Olsen State Nature Preserve by Steve Galehouse	132
Re: Augusta-Anne Olsen State Nature Preserve by Steve Galehouse	133
Another odd-looking oak, OH by Steve Galehouse	134
Re: Another odd-looking oak by Steve Galehouse	135
Re: External Baseline Method by Robert Leverett	135
Re: Sigurd, Grandfather, and Thoreau by Robert Leverett	136
Sylvia Plath and Trees by Tom Howard	136
Renaissance paintings including images of trees by Edward Frank	137
Dating Yews - Could this Lamberhurst tree be the oldest in the country? by Jeroen Philippona	139
Tamassee Knob, SC by James Loftis	139
O'Neill Woods, OH revisit by Steve Galehouse	140
Whirlwind Trip to Great Smokies by James Robert Smith	141
Who Has Posted the Most on the BBS? by Edward Frank	142
Re: Sigurd, Grandfather, and Thoreau by Andrew Joslin	142
North Syracuse Cemetery Oak Grove 10/30/2011 by Tom Howard	143
External Links	144
About: eNTS: The Magazine of the Native Tree Society	146

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and/or the associated author/photographer directly for permission.

## [A Nice Hawthorn, OH](#)

by Steve Galehouse » Fri Sep 30, 2011 6:45 pm

I measured a nicely shaped and fairly large hawthorn yesterday; 30.6' tall, 5'4" girth at 4'(below major limb split), 42' average crown spread. Not sure of the species, looked sort of like dotted hawthorn but the fruit wasn't quite right. This is in a park along the Black River in Lorain County, 41.4119, -82.1022

A couple of photos:



Notice the partially defoliated large tree in the background of the second photo---this is an ash with EAB. It looks like all the ash in the area will be dead soon.

Steve Galehouse

## [New 2011 big trees of Pa is available for \\$15](#)

by edfrank » Fri Sep 30, 2011 8:09 pm

### **Champion Trees of Pennsylvania**

<http://www.pabigtrees.com/Default.aspx>

The 125th anniversary edition is now available!! Available for purchase at \$15, the new 2011 register celebrating our 125th anniversary is finally available. Contact Scott at [wades@comcast.net](mailto:wades@comcast.net) to get your copy, or mail \$15 to 5 Prince Eugene Ln, Media Pa 19063. Shipping is included. Remember, this is our only fundraiser to keep the program alive. We are unsupported financially and need your support to keep the website up. Any proceeds benefit the Pennsylvania Forestry Assoc. Thank you!

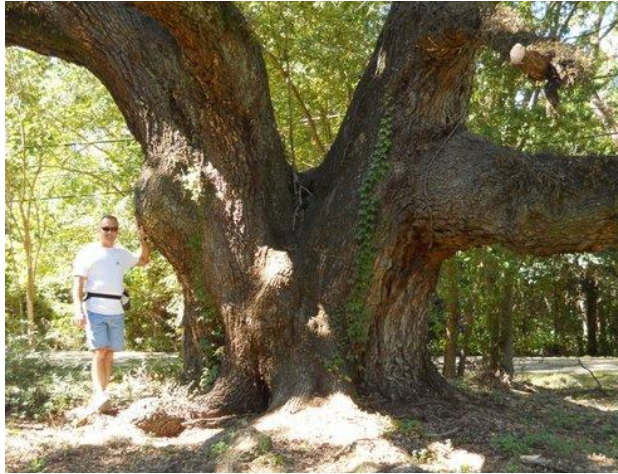
Scott Wade



## Stienmuller-Smith Oak, LA

by Larry Tucei » Sat Oct 01, 2011 9:37 pm

NTS, I visited Denham Springs Louisiana Saturday for their annual Fall Arts and Crafts Festival held in early October. The weather was great with temperatures in the 70's and clear blue skies. After spending a few hours at the festival and browsing several antique shops it was time to go locate the largest Live Oak in the city. I learned of the tree in the past from the La. Live Oak Society listing and eagerly awaited my meeting of this new addition to the Live Oak listing. I talked to some ladies at City Hall and they gave me directions to the Oak. Luckily I was parked less than a half mile from Denham Springs Park where the mighty Oak grows.



Stienmuller-Smith Oak



The measurements of the Stienmuller-Smith Oak were CBH-23' 8", Height-69' and Spread-120' x 148.5'. The Oak is number 1999 on the La. Live Oak Society listing and is large tree with a huge crown having a dominating but tranquil effect on the park.

Larry Tucei

## Bedford Reservation, Cuyahoga County, OH

by Steve Galehouse » Sun Oct 02, 2011 11:06 pm

Today son Mitch and I visited Bedford Reservation. Bedford Reservation is part of the Cleveland MetroParks, with Tinker's Creek Gorge, a National Natural Landmark, its main attraction. Tinker's Creek is the largest tributary of the Cuyahoga River. It's a very scenic area with nice woods in addition to the picturesque creek. The canopy is still quite dense, so measuring was difficult, but we did find some nice if not exceptionally tall trees. The area was somewhat different from others in the Cuyahoga Valley in that tuliptree was not as dominant as I would have expected; oaks, especially red and black, were the most frequent trees of with a large girth.



A summary of what we found today is here:

<http://alpha.treesdb.org/Browse/Sites/863/Details>

RHI 5 = 113.6, RHI 10 = 108.53



Botanical name	Common name	Max height	Max girth
<a href="#">Acer saccharum</a>	<a href="#">Sugar Maple</a>	<a href="#">107.0'</a>	<a href="#">9' 8"</a>
<a href="#">Carya cordiformis</a>	<a href="#">Bitternut Hickory</a>	<a href="#">105.9'</a>	<a href="#">10' 6"</a>
<a href="#">Carya ovata</a>	<a href="#">Shagbark Hickory</a>	<a href="#">113.6'</a>	-
<a href="#">Fagus grandifolia</a>	<a href="#">American Beech</a>	<a href="#">103.6'</a>	-
<a href="#">Liriodendron tulipifera</a>	<a href="#">Tuliptree</a>	<a href="#">119.4'</a>	-
<a href="#">Magnolia acuminata</a>	<a href="#">Cucumber-Tree</a>	<a href="#">101.4'</a>	-
<a href="#">Quercus alba</a>	<a href="#">White Oak</a>	<a href="#">101.0'</a>	-
<a href="#">Quercus rubra</a>	<a href="#">Northern Red Oak</a>	<a href="#">113.0'</a>	<a href="#">10' 8"</a>
<a href="#">Quercus velutina</a>	<a href="#">Black Oak</a>	<a href="#">105.4'</a>	<a href="#">8' 10"</a>
<a href="#">Tsuga canadensis</a>	<a href="#">Eastern Hemlock</a>	<a href="#">115.0'</a>	-







Steve Galehouse

### [Lee Young Oak Live Oak, LA](#)

by Larry Tucei » Sun Oct 02, 2011 10:01 pm

NTS, A couple of years ago I measured two large Live Oaks in southeastern Ocean Springs on Point Aux Chenes road. While there I noticed another tree on adjacent property that was fairly large. I decided to return today and see if I could measure it. The area was hit hard by Hurricane Katrina back in 05 but has recovered nicely. The tree grows on private property that I thought was for sale so I used the opportunity to measure this great tree. Glad I did it turned out to be quite a spectacular Oak. The tree measured CBH-25', Height-42' and Spread-90' x 108'. The Lee Young Oak is a multi-trunked tree with a short height but huge limbs and trunk. Most of the Live Oaks in this region have a short broad crown due to the harsh environment they grow in and perhaps the soil keeps

them short. The Live Oak listing is at 172 trees now and growing. Larry

 [Live Oak Project.xlsx](#)

 [Copy of Copy of Live Oak Project 2007 0524.xlsx](#)





## Hello everyone!

by hamadryad » Mon Oct 03, 2011 2:28 am

Hi all, hamadryad here just joined up after having had a look about, this looks like a good place to be!

I am a working/climbing arborist, mycology junkie and all round OCD tree hunter!

Hopefully a photo is here of me with a very special tree i found on saturday, a wild pear a big one too, so rare, this one was in the middle of a valley in the middle of nowhere on an old farm full of ash pollards, awesome.

looking forward to chatting with you alls.



## Mycology and body languages?

by hamadryad » Mon Oct 03, 2011 2:16 pm

Hi, I am trying to find a section dedicated to fungi? is there one? if not want it started! Also body languages of trees from various colonisations/strategies of fungi and other/mechanical forces.

## Re: mycology and body languages?

by Steve Galehouse » Mon Oct 03, 2011 3:04 pm

Here are some pics of fungi taken yesterday, in a woods of primarily oaks, maples, and beech, in northern Ohio:











Steve Galehouse

### [Some Bryant Woods, MA Fungi](#)

by dbhguru » Mon Oct 03, 2011 4:16 pm

Selected from recent posts on Bryant Woods:







Here is my attempt at an artistic shot of a turkeytail fungus.



## Fungi in Reynoldsville, PA

by edfrank » Mon Oct 03, 2011 4:26 pm

Fungi in Reynoldsville, PA - These were all taken one morning on September 6, 2011 in my lower yard.

I had previously posted them on my Facebook page, but decided to add them to this new topic to help get it started. The goal is to have more than just a photo gallery and include some ecologic discussions, but we need to start somewhere.





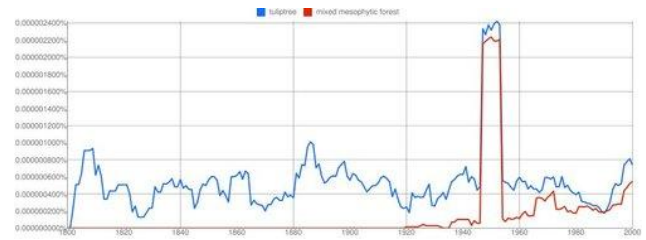






Ed Frank

Next, a graph comparing "tuliptree" with "mixed mesophytic forest"-----with virtually identical spikes!



I think these two terms are strongly associated with each other, likely connected by the botanical and ecological writings of E. Lucy Braun and others of that time period.

Steve Galehouse

## [Re: Saving Ethiopia's "Church Forests"](#)

by edfrank » Mon Oct 03, 2011 5:45 pm

Saving Ethiopia's "Church Forests"

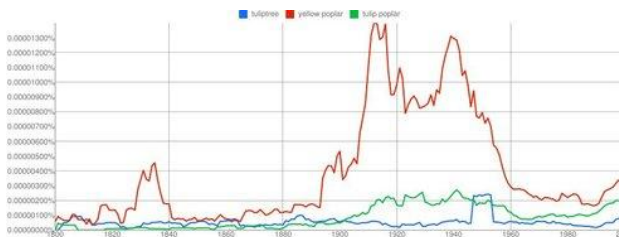
By T. DeLene Beeland

Posted: February 25, 2011

## [Google Ngram of "tuliptree"](#)

by Steve Galehouse » Mon Oct 03, 2011 1:45 pm

Here are a couple of more graphs that I think are interesting. First, a graph comparing the terms "tuliptree", "yellow poplar", and "tulip poplar". I've always thought of "yellow poplar" as more of a lumberman's term, "tuliptree" as the term generally used in the North, and "tulip poplar" as a term more commonly used in the Southern states:



There are some video links and nice photos posted in this article:

<http://blogs.plos.org/blog/2011/02/25/church-forest/>

Ethiopia - First sample

[http://www.youtube.com/watch?v=VqJIhHmDaPM&feature=player\\_embedded](http://www.youtube.com/watch?v=VqJIhHmDaPM&feature=player_embedded)

Alemayehu explaining about Church Forest

[http://www.youtube.com/watch?v=B3j9AuhUFbU&feature=mfu\\_in\\_order&list=UL](http://www.youtube.com/watch?v=B3j9AuhUFbU&feature=mfu_in_order&list=UL)

Ethiopia Day 4 - Setting up Malaise trap

[http://www.youtube.com/watch?v=3tOQG\\_aBPYQ&feature=player\\_embedded](http://www.youtube.com/watch?v=3tOQG_aBPYQ&feature=player_embedded)

Ethiopia Day 4 - Debresena Church

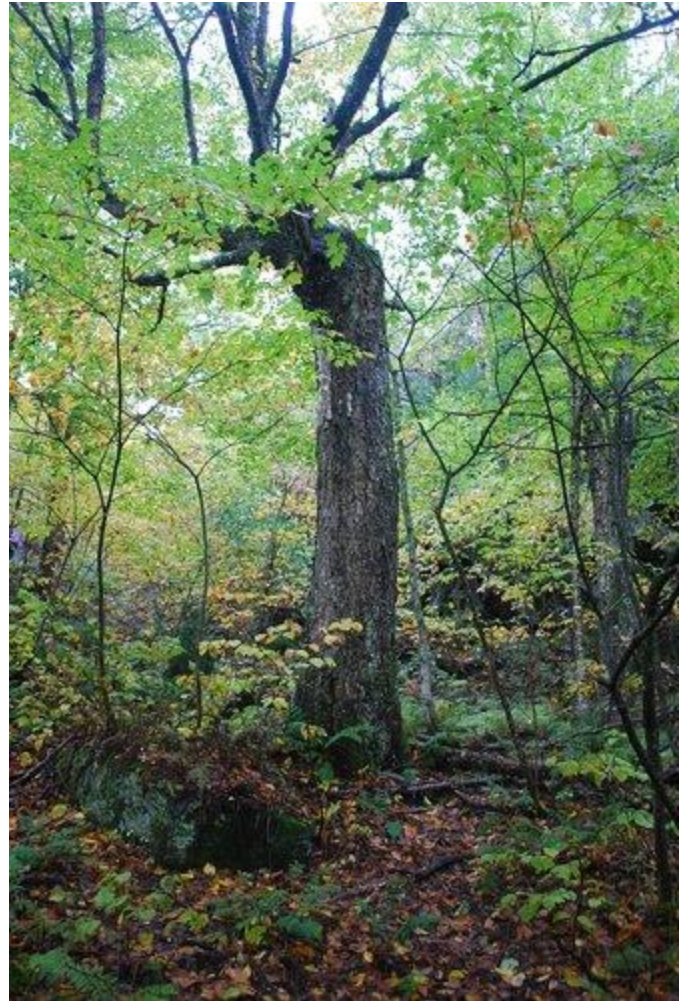
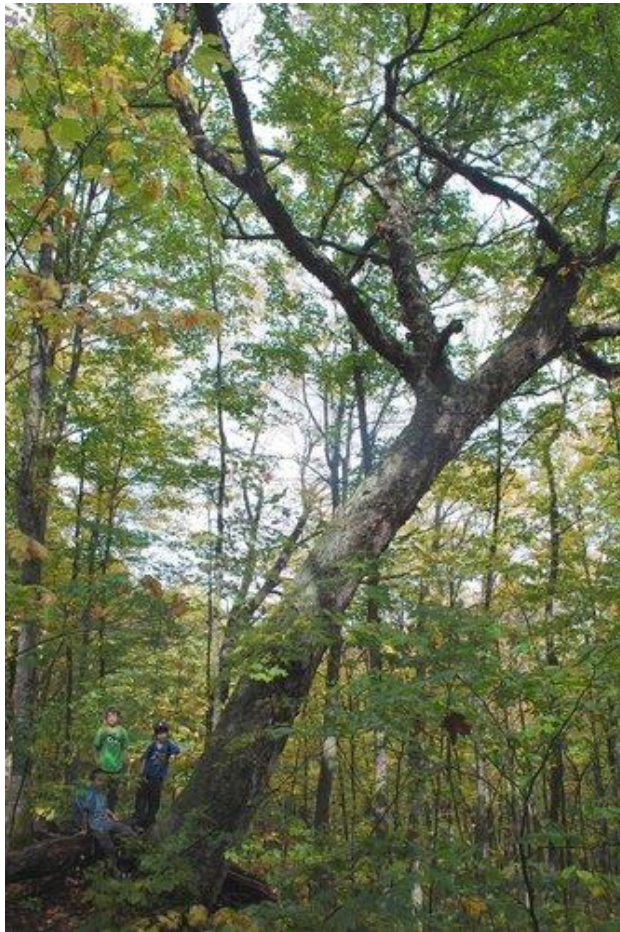
[http://www.youtube.com/watch?v=sxke32uImgY&feature=player\\_embedded](http://www.youtube.com/watch?v=sxke32uImgY&feature=player_embedded)



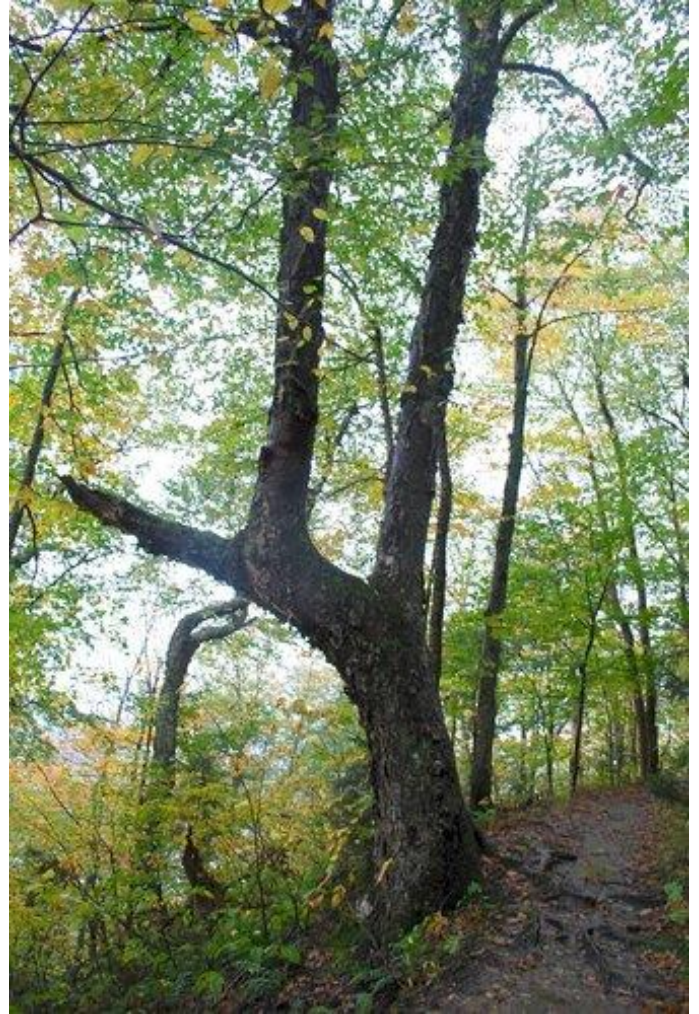
## Fall Hike, NH 2011

by adam.rosen » Mon Oct 03, 2011 5:13 pm

I'm in the business of creating little ENTS, (not the reproduction end, the education end). Today we took 130 potential ENTS up Elmore Mountain in Northern Vermont. We enjoyed the company, the good weather and colorful leaves. I took some pictures of a few impressive/older yellow birches, that seemed to have been spared the loggers axe for the last few hundred years. Hope you enjoy them.







Adam Rosen



## [Large American chestnut at Sheldon Marsh, OH](#)

by Steve Galehouse » Tue Oct 04, 2011 3:31 pm

Today I stopped at Sheldon Marsh in Erie County to try to find the big American chestnut mentioned by several articles and visited by Will Blozan in 2008. The location of the tree is not publicized, but I figured I could find it anyway. I started hiking through woods that would have a canopy height around the reported height of the chestnut, and within 30 minutes I found it---the forest floor was littered with lots of burrs, and the tree itself was still in full leaf unlike the nearby cottonwoods. I'm glad to say the tree looks vigorous and perfectly healthy, with no sign of cankers or lesions on the bark of the trunk, and no sprouts emerging from the crown of the trunk. There are still many burrs on the tree and the foliage is still fresh and green. The best height I could get was 88.46'(Will got 88' in 2008), but after the leaves fall I would think a top at 90'+ might be found.



I opened some of the fallen burrs but found no viable seeds inside. That might be why they were shed early. If able, I'll return in 2 or 3 weeks to see if the burrs remaining on the tree, which would likely be shed by then, contain any sound nuts. I looked for but found no other individuals of the species, so pollination for this large tree is likely a problem.







Steve Galehouse

### **#9) Re: What Projects Are You Working On?**

by hamadryad » Tue Oct 04, 2011 1:56 pm

I have a couple of projects going, they are long term studies and i am not shy about talking about them nor of anyone proving it before me! answers are the goal of communities, so what if some tonka takes credit, the truth is whats important, and ametuers tend to produce a LOT of new science!

### **#10) Re: What Projects Are You Working On?**

by edfrank » Tue Oct 04, 2011 3:08 pm

Hamydryad, What I am really looking for is to achieve a balance of bigger projects and personal projects. If someone is working on a project on his own, he can't really take advantage of the expertise, knowledge, information and help of the rest of the people in the community - unless they know about what he is doing. James Parton, for example is interested in the remaining American Chestnut trees and efforts to preserve and reintroduce the species. There isn't much formal structure in the project, but by designating it as one - everyone knows about what

he is doing. Now when people find a large chestnut tree, or an interesting historical reference, or link, it is added to the project discussions.

The second goal is to attract people doing serious tree research to the organization so we can have access to their expertise, and so they can tap into the data we have collected and the knowledge and experience of members of this group. For this goal, we need to have some more formally structured projects and publications. More formalized projects will help attract researchers to our group. We also will have more credibility with governmental agencies and this can gain us access to places we otherwise would not be able to explore. It will help us get research permits in national parks and entrance into private estates normally closed to hobbyists.

I think the work we are doing is important - designating projects help us better achieve our research goals.

Ed Frank

### **#11) Re: What Projects Are You Working On?**

by Will Blozan » Tue Oct 04, 2011 8:33 pm

Ed, I hear ya- but man, to freely give the last sixteen years of my volunteer, hard, bust-ass effort with ENTS to just anyone just doesn't sit well with me. Some bonehead can access our data, write a paper and receive accolades for it with no effort on their part (other than a token citation). Sure, it would be credible work but it is not US doing it.

I agree, some peer-reviewed stuff would be great but much of it currently in the works is being shot down. The audience is not receptive. Good data or not, the interest is not there yet.

Will Blozan



## [#12\) Re: What Projects Are You Working On?](#)

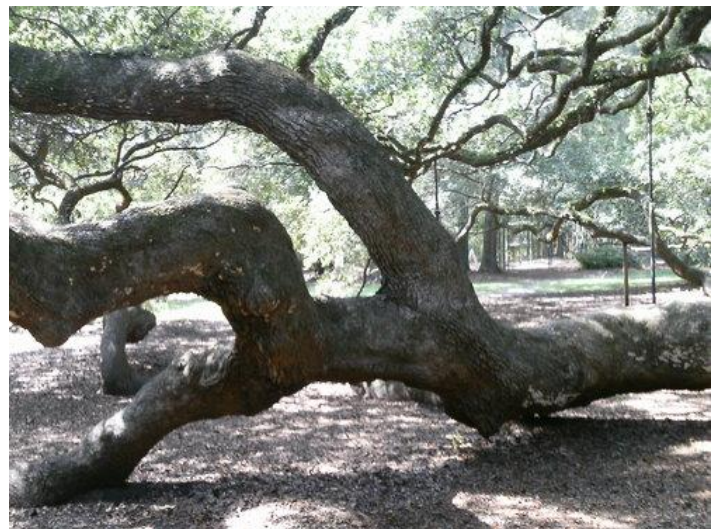
by edfrank » Wed Oct 05, 2011 1:18 am

Will, You have a valid point. I want to see publications that use our data be completed by people who are actively participating in the ENTS organization. I don't think we should be simply a data source for a brief citation - an equivalent of a pat on the head like we are a pet dog. There is data that people have personally collected through sweat and hard work that warrants being held tight until the right circumstances. But on the other hand there is some information that we don't really need to hold that tight. There is material where we would benefit from a wider distribution. I wish I could cite a specific example.... I will think about the differences between the two and post again later.

## [Angel Oak, October 2011](#)

by bbeduhn » Wed Oct 05, 2011 11:24 am

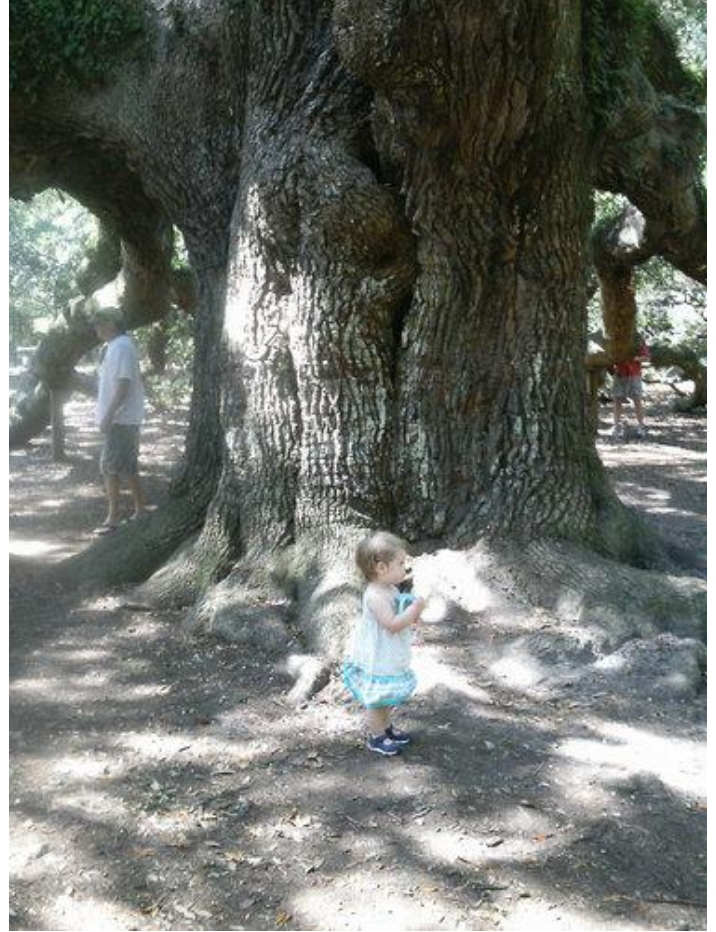
I didn't have enough time to work on a volume measurement, but I did get some pics and threw a tape around it. I got 28' on the nose. The woman at the visitor center said I could measure it but that it was 25' 5". I haven't been able to locate a date for the 25' 5" measurement. That could certainly shed some more light on a truer approximate age for the oak.







My daughter, Rosie, looks rather angelic next to the Angel Oak.



Brian Beduhn

### [New here](#)

by wmmuller » Thu Oct 06, 2011 5:54 pm

Hello, I am a retired 'green' professional, specialized in tree care and urban trees. Nowadays I run a small consultant office to stay active in tree care business and spent more time to visit monumental trees in Scandinavia, Germany and Great Britain. Before I incidentally used a pencil & measure tape, nose-cross or the Blume-Leiss apparatus for measuring tree heights.

Nowadays I come more and more in situations I want to know the right height of a tree. For that I bought last year the Nikon 550A Ranger-Finder. After some experiments and talks with college's (thank you Jeroen) I think I am finding the right way to measure



the height of trees with this Nikon 550A.

With pleasure I read the publication "The Really, Really Basics of Laser Rangefinder/Clinometer Tree Height Measurements" dated January 12, 2010. About the wider beam of the 550A than the 440: can anybody tell how wide it is at a certain distance?

Kind regards,  
Maarten Windemuller

### What kind of shrub and tree?

by Jenny » Thu Oct 06, 2011 2:44 pm

I need some identification help. Can you tell from the 2 pix what the shrub and tree species are? The cardinal pic may be impossible, but maybe someone recognizes it by its berries. Thanks!



Jennifer Dudley

Steve Galehouse wrote: *In the cardinal pic, it's perched in a rose, probably Rosa multiflora, but eating berries from a nightshade plant growing on the rose; the berries at the very upper right are rose hips, the others are nightshade, Solanum. The robin is in a flowering crab, Malus, but impossible to say which variety.*

### Comments about our webpage on Children and Teens

Fri Oct 07, 2011 3:44 pm

Hi Edward!

i just wanted to let you know how I came across your page, <http://www.nativetreesociety.org/childrendrens.htm>, while googling "gardening resources". I actually found your web page to be pretty useful! I've used some of your information towards my class lesson, I hope you don't mind. :)

Anyway, my students came across this web page, <http://www.kremp.com/Butterfly-Flower-Guidelines.htm>, and thought it would be a great replacement link for "Teaching through Nature" under "General Activities and Comments" on your web page. :) That link's not working, just so you know. Would you mind adding it to your page?

Since you don't have any butterfly garden resources, my students really think the visitors of your page would find it fun and interesting. They would be so thrilled to see their link suggestion up on your page! :)

...and even more thrilled because they'd be getting a pizza party AND extra credit. You really see kids get motivated when extra credit is involved! ;)

Just a friendly suggestion..let me know what you think!

Cheers,  
Donna Knowlten



## [Tall trees in Sächsische Schweiz National Park, Germany Oct 2011](#)

by Kouta Räsänen » Fri Oct 07, 2011 7:16 am

I hiked in the Kirnitzsch Valley of Sächsische Schweiz National Park again this summer but did not find new record trees. However, I thought to post a new photo in addition to those took last year.



The tree in the foreground is Scots pine (*Pinus sylvestris*). In the background: Scots pine - Norway Spruce (*Picea abies*) - silver birch (*Betula pendula*) forest. The north-facing slopes (left) are in Czech Republik, and the opposite ones in Germany.

The 50-meter spruce next to the 59.2-meter record tree is now dead.

Kouta Räsänen

## [Re: Tall trees in Sächsische Schweiz National Park, Germany](#)

by dbhguru » Fri Oct 07, 2011 8:54 am

Kouta, Thanks for keeping us up on Europe's tall trees. Even with the long period of settlement, Europe obviously has more to offer than any of us over on this side of the pond would have believed. In addition, my fondness for the Norway spruce continues to grow. What a difference we see when

this species is given room to grow and an opportunity to be all that it can be. The use of Norway spruce in the crowded plantations that we see over here often reduces this noble species to little more than the equivalent of a chicken in a chicken farm.

Fortunately, the species has also been widely planted as an ornamental, so we can see large Norways with their graceful sweeping limb structures.

Northampton, MA is loaded with fine Norway spruces. We need T-shirts that say "I'm Bullish on Norway Spruces".

Bob Leverett

## [Re: Tall trees in Sächsische Schweiz National Park, Germany](#)

by gnmcmartin » Fri Oct 07, 2011 11:15 am

Bob: The old saying is, "beauty is in the eye of the beholder." To my eyes, densely planted plantations of Norway spruce can be absolutely gorgeous. I am sorry the stand near Glady, WV was cut. In 20 years my own stands will be coming somewhere close to matching that beauty (maybe the strain on my land is not quite so good)--will I be around? Or will someone after me have them cut. Anyway, I would have liked to have visited the Glady stand with you and have had some discussion about "forest beauty." Not possible now--sad.

Anyway, I can see your point--or guess at the cause of your distaste--all the dead lower limbs that persist for so very long. At Glady, when I looked upwards, my aesthetic sense, or whatever, acted like a Photoshop program, and removed them from my mental image. And then I also had to "tune out" the fact that 4 out of every 5 trees were dead--overtopped by the dominants. The understory was such a mess, my wife was not comfortable trying to walk around. But she was also able to "tune out" the dead limbs and dead smaller trees, sometimes falling over, adding to the obstruction, both physical and visual.

She insisted that the only word to describe this stand of closely planted, unthinned Norway spruce, was "majestic." I looked up at the towering trees with their lower living boughs and their weeping foliage,



and could think of nothing but the most magnificent gothic cathedral, with wonderful green celebratory banners hanging from the soaring columns. I spent some good time in the magnificent conifer forests of our Pacific N.W., but never saw anything, except the redwoods, more beautiful than this. The trees were not nearly so large, but for pure gracefulness, the best Norway spruce have a beauty all their own.

Well, maybe I am getting a bit carried away here--a very prominent tendency of mine.

The trees, which were about 78 years old (planted in 1933) when cut, were at least 140 feet tall (using my former guesstimation method, which I have since had proven to be very accurate). I think they were headed for at least 175--probably more. The tops of the cut trees showed well over a foot per year of new growth. They were just starting to show the kind of beauty ("majesty") possible over time.

--Gaines McMartin

*There are several more posts in this discussion of Norway spruce which are not reproduced here. Please click on the link above to follow.*

### [Live Oaks at Bonaventure Cemetery, GA - Gallery](#)

photos by Randy Cyr, Fri Oct 07, 2011 8:43 pm

<http://www.nativetreesociety.org/fieldtrips/georgia/bonaventure.htm>

#### Live Oak Graveyards

Nothing quite captures the spirit of the South like a gothic graveyard filled with intriguing headstones and moss-covered live oaks. What tree is more worthy to watch over the or have regard for the aging stones that mark their graves? This sturdy yet graceful tree once protected colonial soldiers from British cannonballs, and continues to preserve our southern coast from the ravages of storms. Live oaks, graves and Spanish moss; the makings for an inspiring antebellum movie or an unsettling nightmare ~ Randy Cyr



There is a series of 12 images posted in the gallery.

Please click on the url above to see the rest of the photos.

Randy Cyr



## [Live Oaks on the Beach at Jekyll Island, GA](http://www.nativetreesociety.org/fieldtrips/georgia/bonaventure/jeckyll.htm)

photo gallery by Randy Cyr, Fri Oct 07, 2011 8:48 pm

<http://www.nativetreesociety.org/fieldtrips/georgia/bonaventure/jeckyll.htm>



This is a nine image gallery posted on the NTS website. Please click on the url above to check it out.

Randy Cyr

## [Hoh Rainforest, Olympic National Park, WA Gallery](http://www.nativetreesociety.org/fieldtrips/us_west/washington/cyr_hoh/cyr_hoh.htm)

by Randy Cyr, Fri Oct 07, 2011 8:58 pm

[http://www.nativetreesociety.org/fieldtrips/us\\_west/washington/cyr\\_hoh/cyr\\_hoh.htm](http://www.nativetreesociety.org/fieldtrips/us_west/washington/cyr_hoh/cyr_hoh.htm)

### Hoh River Rain Forest

Ever since an anonymous relative had the World Book Encyclopedia shipped to our family, I have dreamed of visiting a mature, temperate rain forest. Something far removed from the logger's scraps I thrashed through as a kid growing up in northern Maine. A land untouched; where life goes on undisturbed as it has since the dawn of creation. Last week, I finally got my chance to visit a rain forest; and not just any rain forest. The Hoh; a river, a forest, a people, a rewarding experience ~ *Randy Cyr*



This is a twenty image gallery posted on the NTS website. Please click on the url above to check out the images.

Randy Cyr



## Central Park Fall Migration ( trees!!)

by Jenny » Sat Oct 08, 2011 3:11 pm

I've been frustrated, amazed, and overwhelmed this season in Central Park by the Fall Migration (just ask Andrew Joslin how often I need bird ID - and now I'm starting in on Steve Galehouse with "perch" id...)



<http://vimeo.com/30237318>

But I cobbled together a video of the Fall so far (do we still capitalize the seasons?) Music starts soft then gets louder. Wish I had lengthened the time for each shot.

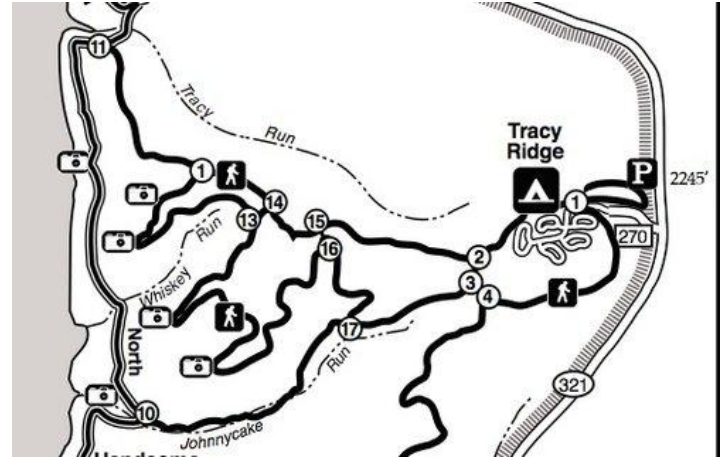
Jenny Dudley

## Re: Tracey Ridge Chestnuts

by Rand » Sat Oct 08, 2011 6:11 pm

I returned to the Tracy ridge area on the weekend of October 1, and was too late to get nuts from the campground trees. I talked to two guys walking the loop and they said they came down the previous weekend (sept 24-25). The nuts were in fact good but they couldn't decide if they were chestnuts or hazelnuts. The group camp loop also has a number of promising sized trees, but none bore any burs. I think the trick is that a tree needs to get light on all sides of a fairly symmetrical canopy. Simply slithering around the edges into a light gap doesn't seem to do it.

Despite the miserable weather, I was able to locate 2 large chestnuts between checkpoints 3 & 17 on the Tracy Ridge trail system:



This site is notable because unlike most chestnut remnants these trees were located with the flat bottom of fairly sheltered cove:



The site itself was dominated by well developed white oaks (~2' dbh x ~110' high), whose open shade apparently allowed a few chesnut sprouts to persist in the understory and eventually grow into the canopy.

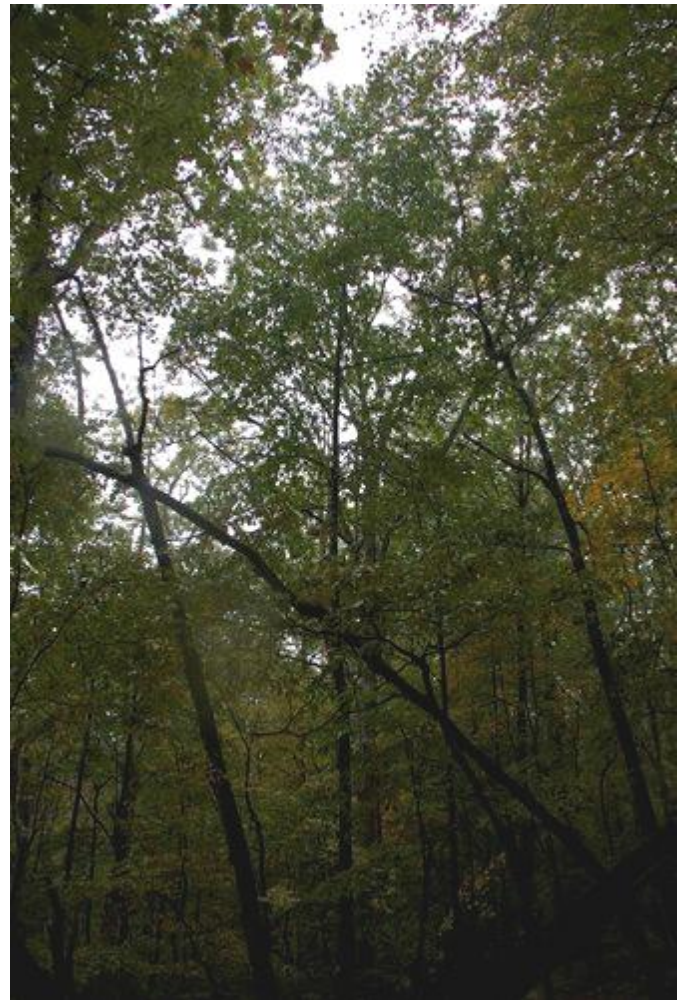
Two were located in the shade of a large white oak and one grew 62' in it's shade, while the other intruded an eye popping 89' right up into it's crown:





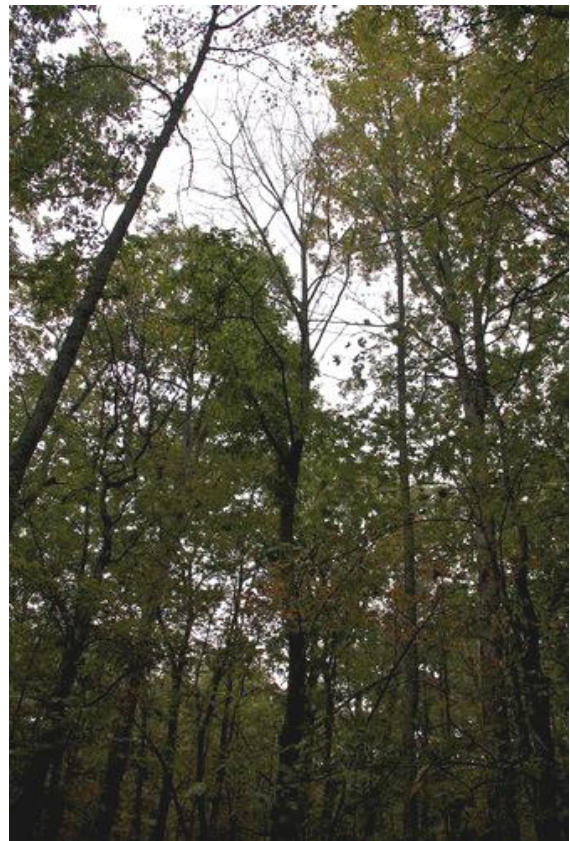
With this aggressive, shade tolerant behavior it's easy to envision how chestnuts were able to dominate sites currently occupied by oaks in Appalachia.

A second 82' tree of similar size found a small canopy gap to make itself at home. This tree apparently found enough light to bear a decent crop of burs. Judging by the size of the nut scars and the presence of other nearby chestnut trees, I'm guessing that the nuts were viable but there were none left to confirm this:



Finally a third, 62' tree was located under the same white oak as the 89' foot tree. Although the crown looked healthy, the butt was showing signs of blight infestation:





Tracy Ridge (Allegheny National Forest)

Species Name:		Circumference:		Height:
Common	Scientific	ft	in	ft
Chestnut, American	<i>Castanea Dentata</i>	2.0'	9.5"	82.8'
Chestnut, American	<i>Castanea Dentata</i>	3.0'	3.0"	88.8'
Chestnut, American	<i>Castanea Dentata</i>	2.0'	1.0"	63.0'

On a related note, a canker has killed off 90% of the crown of the largest remaining chestnut in cook forest. I was there two seasons ago and noticed some odd sprouting on the trunk. It appears that just like american elm an apparently 'resistant' tree can abruptly go down.

Rand Brown





## Planned Daytime Activities on October 15, 2011

For those of you who like to frolic in the forest, here is my husband Bob Leverett's description of daytime activities of the Eastern Native Tree Society on Saturday October 15:

We will meet at the Zoar Gap picnic area at 10:00AM and walk to the Elders Grove where we'll pause to watch Will Blozan and Bart Bouricius climb the 166-foot tall Tecumseh Tree to model it as part of a science research project. We'll discuss the ecology of the surrounding forest, the historic importance of the area, and look at outstanding trees. At around 3:30PM we'll leave the area and return to The Charlemont Inn, where rainforest researcher Bart Bouricius will present a slideshow on rainforest giants of the tropics, and his climbs into the canopy. From about 5:15-6:00PM we'll have Happy Hour, followed by dinner at 6:00PM and by a program of music, poetry and prose at 7:30PM. For dinner reservations (\$25, not including drinks), please email [dbhguru@comcast.net](mailto:dbhguru@comcast.net).

To reach the Zoar picnic area please use the following directions:

From the center of Charlemont, MA on State Route #2, go approximately 2 miles west to the Zoar-Rowe Road on the right (also known as River Road). You reach the road just before crossing the Deerfield River. Turn right and go another 2.6 miles (or close to that) to a Y where you bear left (right fork goes to Rowe). Shortly after bearing left, you go under a railroad pass. There will be a pool of water you have to drive through. Don't worry, just go slow. They deepened the bottom so large trucks carrying fill could get under the RR overpass. Drive for about a mile to the north end of the picnic area on the left. It is just before the bridge crossing the Deerfield River. You are at Zoar Gap. Find a parking spot near the Port-a-potties. We'll all assemble there.

ENTS is hosting a Forest Summit Conference at Holyoke Community College on October 13 and 14 ([www.hcc.edu/news/events/annual-events/forest-summit](http://www.hcc.edu/news/events/annual-events/forest-summit)) if any of you are interested. I hope you can

join us for all or some of these events.

Best wishes, Monica Jakuc Leverett

## The 7th Annual Forest Summit Poster

**The Forest Summit 7 Lecture Series**  
Hosted by Holyoke Community College and Eastern Native Tree Society

**Forest Health:**  
October 13 & 14, 2011, 8:30 a.m. - 6:00 p.m.  
Peoples Bank Conf. Room, The Kittredge Center

**THE STATUS AND FUTURE OF EASTERN FORESTS**

**Thursday Morning (8:30 a.m. - 12:00 p.m.)**

**Fred Paillet**  
Emeritus USGS Research Scientist, Adjunct Professor, University of Arkansas  
"The American Chestnut - Past, Present, and Future"

**Michael Wojciech**  
Naturalist, writer, photographer, and illustrator  
"How to Recognize Trees From Their Bark"

**Henry Art**  
Robert F. Rosenberg Professor of Biology & Environmental Studies, Williams College  
"What We Know (And Don't Know) About An Enigmatic Woodlot"

**Afternoon Session (12:00 p.m. - 6:00 p.m.)**

**Will Blozan**  
Co-founder and the president of the Eastern Native Tree Society (ENTS).  
"Liriodendron Tulipifera, King of American Hardwoods"

**Peter Church**  
MA Department of Conservation and Recreation  
"DCR Response and Role, Post Inne"

**Bob Leverett**  
Executive Director of ENTS  
"Travels to Far Away Places with an Eye on the Trees"

**Steve Tilley**  
Professor Emeritus, Biological Sciences, Smith College  
"Salamanders in North American Deciduous Forests"

**Friday Morning (8:30 a.m. - 12:00 p.m.)**

**Lee Frelich**  
Director of the University of Minnesota Center for Forest Ecology  
"Multiple factors and thresholds for forest change in a warming climate"

**Pat Swain**  
Massachusetts Rare and Endangered Species Program  
"How Massachusetts Protects Rare and Endangered Species"

**Don Bragg**  
USDA Forest Service  
"The Role of the USDA Forest Service in Promoting Natural Communities"

**Afternoon Session (2:00 - 6:00 p.m.)**

**Joan Maloof**  
Author of "Among the Ancients: Adventures in the Eastern Old-Growth Forests" and "Teaching the Trees: Lessons from the Forest"  
"Lessons Learned in Old-Growth Forests"

**Doug Seale**  
Environmental Ethics, Framingham State University  
"Valuing the Environment in America: A Historical Perspective"

**Shari Heller**  
Massachusetts Friends Network  
"Are We Making Progress - The Role of the Friends Network"

**Elizabeth Perry**  
Wampanoag Nation  
"Pre-Contact and Colonial Period Views, Management Techniques, and Material Culture of Native Americans in Massachusetts"

**HOLYOKE COMMUNITY COLLEGE**  
Futures Inspired

**ENTS**

For more information about the 2011 Forest Summit: [www.hcc.edu/forest](http://www.hcc.edu/forest)



## Audubon Zoo New Orleans La Live Oaks

by Larry Tucei » Mon Oct 10, 2011 9:11 am

NTS, I and a friend visited the Audubon Zoo in New Orleans this weekend to measure the Martha Washington Live Oak. The tree was registered on the Louisiana Live Oak Society in 1934 and is number 7 on the listing. Audubon Zoo is loaded with many Live Oaks in the 16-18' CBH range and around 150 years old.

After walking through the Zoo and taking in all the animal exhibits we located the two largest Live Oaks. They grow in the eastern region of the Zoo and are both around 200-250 years old. The Martha Washington measured CBH-24-4", Height-43' and Spread-99' x 120'. This tree is climbed by almost every child that walks by for it had one limb twisting the ground that made for easy access.

The second Oak which is just west from the M. Washington across a paved path has slightly larger trunk but is not as old. I'll have to research the name of this tree. I'll call it the Audubon Zoo Oak for now. The tree measured CBH-25', Height-54' and Spread-105' x 137'. After spending about 3 hours at the zoo it was time to head west for the Destrehan Plantation for some really big trees more to come. Some photos of the trees, plants and picture one for Jenny.

<http://www.auduboninstitute.org/visit/zoo>

Larry Tucei



Oaks at Zoo



Flamingo



Ponytail Palm



Century Plant

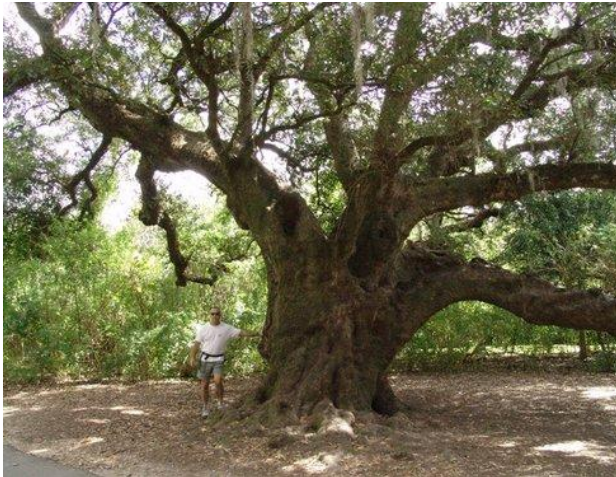




Bamboo



Audubon Zoo Oak



Martha Washington Oak



Audubon Zoo Oak



Martha Washington Oak



## Swiss Tree hunter Michel Brunner

by edfrank » Mon Oct 10, 2011 6:06 pm

Swiss Tree hunter Michel Brunner..

<http://www.videoportal.sf.tv/video?id=2213060c-729c-4b67-bca8-2fbf809e01c1>

The son and heir: Why Michel Brunner devotes his life to the giant trees.

Giant trees of Switzerland

Unknown natural wonders of the world – a homage to the "gentle giants".

Michel Brunner, a graphic artist and author of "Giant Trees of Switzerland", has been measuring and photographing giant trees in Europe for more than ten years. He has listed more than 2,000 trees, of which more than 1,000 are in Switzerland. (Photos: Michel Brunner and André Hübscher; selected by Rolf Amiet, [swissinfo.ch](http://www.swissinfo.ch))

[http://www.swissinfo.ch/eng/multimedia/picture\\_gallery/Giant\\_trees\\_of\\_Switzerland.html?cid=7661616&sb=fb](http://www.swissinfo.ch/eng/multimedia/picture_gallery/Giant_trees_of_Switzerland.html?cid=7661616&sb=fb)

THE SECRET OF OUR FORESTS

Narrated by Bruno Ganz

[http://www.docmine.ch/das\\_geheimnis\\_unserer\\_waelder.25.html?clang=0](http://www.docmine.ch/das_geheimnis_unserer_waelder.25.html?clang=0)

Our forest. He fascinates and frightens, it benefits, delights and sometimes makes troubles. Once broken in and looted, he again covered a third of Switzerland. But how much space we vacate the forest in our modern life yet? "The secret of our forest" is the discovery of a valued friend's strange and sometimes wild, with stories told in fascinating images from the forest of impressive people in the forest. And a gripping journey through four seasons. <http://www.youtube.com/watch?v=7v7xwW3LBzw>

## Re: External Baseline Method

by dbhguru » Mon Oct 10, 2011 3:57 pm

NTS, Several days ago, I performed another test of EBM. The first baseline was 31.9 feet in length and the target was 73 feet above eye level from the closer end of the baseline. The TP360 gave a height of 73.0 feet. The EBM yielded 72.8. A second test used a baseline 37.9 feet in length for a target of 70.5 feet above eye level at the nearer end of the baseline. EBM yielded 71.5 feet for a 1.0 foot difference. The average of the two is a 0.5-foot difference, which is exactly what my long term average is. EBM works! That said, it is not exactly a breeze to employ. Its value is limited to certain situations, but it is a stand-in for the laser-based sine-sine method when the measurer can't get reliable laser returns.

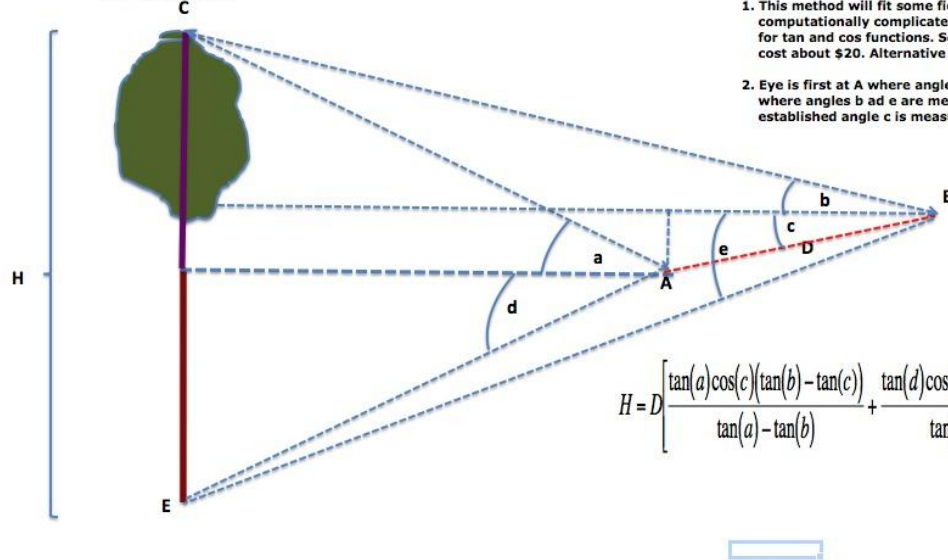
After the conference and rendezvous, I'll complete a spreadsheet which will allow one to investigate height errors from any combination of angle and baseline distance errors. It has to be done via a program or spreadsheet. The formulas involved are far too cumbersome to be applied with a simple calculator.

EBM is not for a measurer who just wants to get into the ball park. EBM is for folks who need to breathe the rarified air accompanying the achievement of higher levels of accuracy, but who don't possess a laser rangefinder. A clinometer, tape measure, and two tripods or equivalents are needed. A plumb bob is useful to align the baseline and the target. The following diagram shows the method with formula. I have the formula programmed into my iPhone 4. Piece of cake - well, a heck of a big piece.

Robert Leverett



**Method #4a: sloping external baseline  
Top over base**



**Notes:**

1. This method will fit some field situations. It is more computationally complicated, and requires trigonometry tables for tan and cos functions. Scientific calculators with the trigonometry tables cost about \$20. Alternative a table from a book can be used.
2. Eye is first at A where angles a and d are measured. Then eye is at B where angles b and e are measured. When the measuring stations A and B are established angle c is measured.

$$H = D \left[ \frac{\tan(a) \cos(c) (\tan(b) - \tan(c))}{\tan(a) - \tan(b)} + \frac{\tan(d) \cos(c) (\tan(e) - \tan(c))}{\tan(d) - \tan(e)} \right]$$

**Measuring Low Branching Trees:  
(Destrehan Plantation Live Oaks, LA)**

by lucager1483 » Tue Oct 11, 2011 1:04 pm

Larry, Great pictures. Beautiful trees. Thanks for your work. You've probably addressed this issue before, but how do you go about measuring cbh on the oaks that branch below breast height? Is it an "as close as possible" situation or do you use a different standard than normal? I'm curious mostly because I've been wanting to measure some black willows, but many of the trees in NY branch at or near ground level. Maybe there is no acceptable method for these kinds of trees. Any help or comments would be appreciated.

Elijah

**Re: Measuring Low Branching Trees  
(Destrehan Plantation Live Oaks, LA)**

by Larry Tucei » Tue Oct 11, 2011 1:55 pm

Elijah, Many times lower limbs or burls are in the 4'6" height above ground. I measure under those points to get a more accurate measurement of the tree's trunk. In some cases I've had to measure the Cir. at ground level. For example the Wallace Oak has 2 huge limbs at the 4' 6" point so I went under them and pulled around the trunk. Another example the E.O Hunt Oak I measured it at ground level. I believe Ed has a section on measuring on this site and on the older web site. Larry



E.O. Hunt Oak





Wallace Oak

### [Dancing woolly aphids, OH](#)

by Steve Galehouse » Tue Oct 11, 2011 7:53 pm

NTS- I went tree hunting with friends on Sunday, and encountered a lot of beech infested with woolly aphids-----and they were "dancing", moving as if blown by wind, even though there was no breeze. Some of the branches were encased with the insects, and many trunks were stained black, as if they were scorched by fire, due to a fungus acting on the secretions the aphids released. I read up on them; called "beech blight aphids", but they seem less harmful than the name implies, and they are not a vector for beech blight disease. A photo attached, as well as a link to a Youtube video I found.



Link: <http://www.youtube.com/watch?v=iX-UXLviqxI>



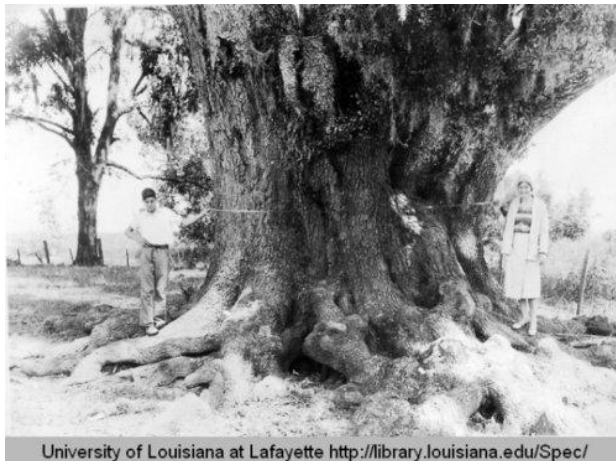


Steve Galehouse

### **Big Live Oak of Yesteryear, LA**

by Larry Tucei » Wed Oct 12, 2011 5:03 pm

NTS, Giant Live Oak in St. Martin Parish - biggest oak in captivity - 33 feet 4 inches in circumference, four feet above the ground, on the farm of Mrs. Arnaud Robert, ten miles from Lafayette. Photographed September 28, 1930. Tape measure showing diameter of ten feet 7 inches being held by Miss Jeanne Leblanc and Del Goulas. I'll have to find out if it's still around, I doubt it. You get some Idea of how large the Live Oaks of old would have been. This tree would be in the 300+ year old range and in 1600-1630 not many Europeans were in south Louisiana. Did Indians plant it or was it natural? No records from then! I would love to measure a monster like this! Larry



### **Photo Competition Entry Critiques?**

by Jenny » Wed Oct 12, 2011 4:58 am

ENTS, Amateur though I am I thought I would send some pix (12/month until April) to the Humboldt Institute (Natural History Research and Education - they publish the Northeastern Natural and Southeastern Naturalist Journals) in Maine.

Wanted to see if I could get some feedback or just a thumbs up or thumbs down on potential submissions. And even some cropping suggestions, as well as saturation, shadows, lightness, contrast. And vegetation ID!!!

I need to check with Andrew whether the bird is a ruby-crowned or a golden-crowned kinglet, and, again, any help with vegetation ID would be greatly appreciated (what are those berries? Service Berries?). Thank god, I do know the first pic is a London Plane.... Thank you!

Jenny Dudley

Here are 2 I'm considering sending:





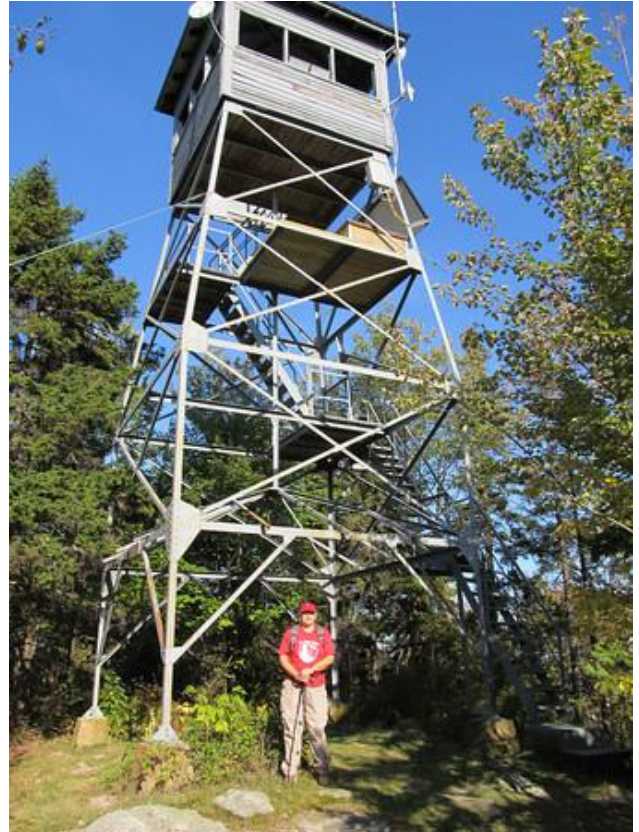


### [Hemenway State Forest New Hampshire Ramble 10/8/2011](#)

by Jazzbeaux » Wed Oct 12, 2011 10:16 pm

My wife and I celebrated our 23 wedding anniversary by coming up to New Hampshire for Columbus Day Weekend. We were blessed with much better weather than what we had 23 years ago when we came up to Whites for our honeymoon. I've wanted to explore the Hemenway State Forest for a long time. A ramble in this forest seemed to be the perfect hike for my wife Alli who has knee and ankle issues.

We parked at parking area located on Great Hill Road so we could visit the old Fire Tower and check out the foliage.



Views from the top included entire Sandwich Range to the north and Ossipee Range to the south. Only fly in the ointment was the wasp nest somewhere near the top so we had to share the tower with a dozen or so buzzing hornets. Here is sample of some of the photos taken.

Passaconaway and Mt Paugus





## Mount Chocorua



Having no trail map I wasn't sure where to go so we descended via Peg King Trail. It was steep at first, but before long it became less steep and the trees became more interesting. This is a very nice climax forest! And it goes on for quite a ways. We kept alert for the Tamworth Pine, but in mean time we observed tens of fine specimens of pines & hemlocks.



I love to look up at the many side branches spiraling in all directions. This is an American Hemlock.

Wooly algelids (thank God) don't appear to be a problem here.





We observed many giants with twin trunks like this White Pine.



We came to junction with the Betty Steel Trail which was a loop trail. We didn't have time to do the whole loop. We had to pick one leg and hike it. Hopefully we'd find the Tamworth Pine. We found this one big white pine that was far bigger than any of the trees we'd seen so far. The tree's girth is almost exactly three outstretched arm spans at least 16 feet. It could have been the Tamworth Pine.





We arrived at the bridge crossing the Swift River and crossed it and arrived at Rt 113. We found a mailbox containing trail maps for Big Pines Natural Area. We walked along Route 113 and located a woodland road enabling us to regain the hill via very gentle walk along the woods road. We spotted this cute little baby pine. Who knows what will become of this little guy? What a nice place! Well worth re-visiting!



R. D. Caron

### [Acer Aspire One Netbook for Fieldwork](#)

by edfrank » Tue Oct 11, 2011 9:56 pm

Many of the NTS members have fancy Smart Phones, such as the iPhone, or have iPads and the like. They can use these in the field to aid in their tree measurement exploits and explorations. I have decided to explore another alternative – I purchased a mini-netbook computer and am going to load it with what I need for use in the field. I have been

considering this for some time, and finally decided to go ahead and buy one. I am not sure why I made the purchase now. I am not getting out in the field much, perhaps it was consumer therapy for depression.

There are advantages to either option. Consider the iPhone. It has built in GPS, digital camera, high definition video camera, thousands of apps, many directly applicable to outdoor activities. It can be used as a cell phone, can connect to the web via cell many place. It is small and integrated into a easily portable package. Drawbacks are the expensive to hideously over-the-air data rates. The netbook on the other hand cost me just \$170 dollars. It is a fully functioning computer on which I can run all of the software I normally use. It has a 250 GB hard drive.

It has a full keyboard. Drawbacks are that it is larger than an iPhone, it doesn't have cell phone capabilities and I can't connect to the web via cell using the device. It does not have a quality built in video camera, camera, or GPS. On the other hand I have a better camera, a better video camera, and likely a better GPS than is built into the iPhone already. I can use the laptop as a massive storage device for the video and photos I shoot. I will post periodically about how things go with the netbook as a field tool.

About the Acer Aspire One D255E: Acer Aspire One D255E is a mini laptop comes with a 10.1 1024 x 600 LED-backlight display, a 1.66GHz Intel Atom N455 processor, an Intel GMA 3150 graphics card, a 1GB DDR3 RAM, a 250GB hard drive, a 1.3-megapixel webcam, WiFi, a 3-cell battery and runs on Windows 7 Starter OS.

