

The Allegheny News

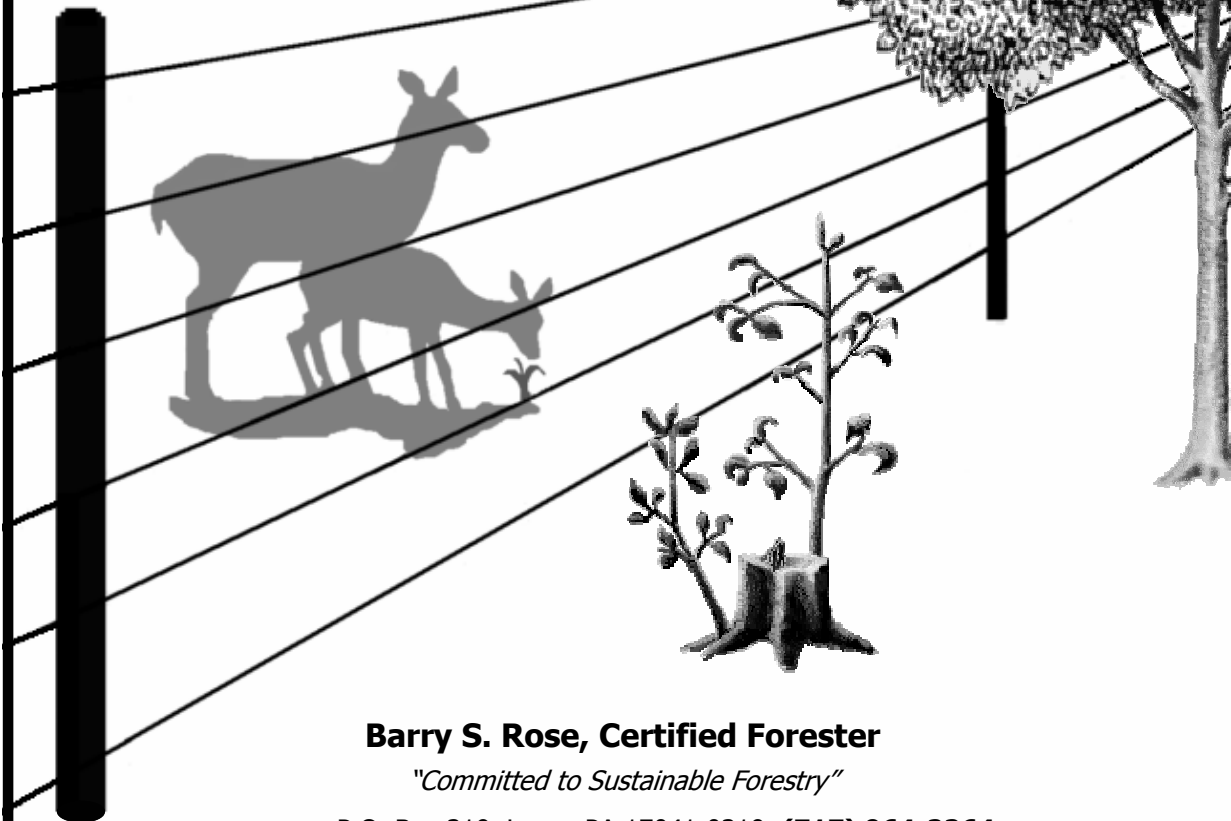


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The Allegheny News

Volume 17, No. 2

The Allegheny News is the official publication of the Allegheny Society of American Foresters, published four times annually.

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The mission of the SAF is to advance the science, technology, education, and practice of professional forestry in America, and to use the knowledge and skills of the profession to benefit society.

The Allegheny News
PO Box 699 · Dillsburg, PA 17019-0699

www.alleghenysaf.org

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Cover Story

Forests and Handheld GPS: Are You Experienced?
See pages 10-11 for the second article in the series.
To read the first article, go to the Allegheny SAF website at www.alleghenysaf.org, click on the Newsletter button and download the Spring 2008 issue. The article is on pages 26-27.

Chair's Corner

By Kurt Gottschalk, Allegheny SAF Chair



As I write this column, I am getting ready to leave for Russia in the morning. This column is one of several tasks I have to accomplish before I leave. This is very representative of how our lives are today. Many of us have "to do" lists that are never ending. We move from one deadline to the next and often do not have the time to accomplish the tasks at hand, let alone to provide them with the attention and thought they deserve. This approach, unfortunately, applies to our volunteer work for SAF as well. We go to a meeting and think about issues while at the meeting, but then SAF business tends to be "out of sight, out of mind" for a while. Right now there are several issues that Allegheny SAF needs to deal with that will require some thought and thoughtful action.

The first issue is the SAF insurance for meetings. The current insurance only covers indoor meetings. It is very important to contact SAF's insurance carrier well in advance to obtain coverage for any field trips. As Mary notes in her Council Report on page 5, the additional coverage can be low cost or even no additional cost.

(continued on page 2)

**Society of
American Foresters**

**Forestry in a Climate of Change
NATIONAL CONVENTION
November 5-9, 2008
Reno, Nevada**

(continued from page 1)

The next issue is a lack of nominations for the Allegheny SAF awards. The last several years, the Awards Committee has not received many nominations. Please take some time and think about whom is deserving of an award, and then take the time to nominate them.

Declining membership is both a national and an Allegheny issue. Part of the reason is fewer students, but part of the reason is also the loss of young members. Recent changes in the dues structure are an attempt to address the second reason for loss. All members need to make an effort to recruit new members from those non-members you interact with.

Better utilization of the Allegheny SAF website is needed. It takes a lot of time and effort to create good content. I encourage all committees, chapters, and divisions to provide information to **Jack Purdue** for posting on our website (some of the information needs to be updated). It is really up to the officers to update the information, not the webmaster. We should also think about creating files of some of our historical information and photos as a means of presenting the information.

Another issue is the Allegheny finances. We operated in the red in 2007, except for the \$10,000 received for hosting the National Convention, and we are projected to be in the red for 2008 as well. There are two options to consider: reducing expenses or increasing dues. This is an issue that the Executive Committee will be wrestling with.

Finally, I want to congratulate **Steve Resh** for being approved as a Fellow by SAF Council. We will be honoring Steve and presenting his certificate at one of our upcoming meetings.

I challenge all Allegheny SAF members to take some time and think about how you can better serve SAF. I will now sign off and move to the next task on my list...

SAF Golden Membership Award Presented

By Brent A. Harding,
PSU Forestland Mgt. Office Forester & Rothrock Chapter Chair-Elect

On Friday, April 25, 2008 (Pennsylvania's Arbor Day) **Dr. Elwood L. Shafer**, Penn State Professor Emeritus of Environmental Management, was awarded the SAF Golden Membership Award for half a century of active participation. **Robert Merrill**, Rothrock Chapter Chair, presented the maple-framed award to Dr. Shafer in front of over 35 Penn State students, faculty and staff during the last installment of the School of Forest Resources Spring Semester Seminar Series.

Dr. Shafer graciously accepted the SAF Golden Membership Award and immediately captured the attendees' attention with his wit and wisdom. He provided a narrative timeline that walked listeners through his research-dominated career. He urged the audience to accept challenges and positions that test their comfort levels. In closing Dr. Shafer expressed his excitement about what his next challenge might be and he suggested that everybody should focus on "trust, love and fun."

Preceding the presentation **Dr. Tyler Wagner**, Assistant Unit Leader of the PA Cooperative Fish and Wildlife Research Unit, delivered a talk entitled "Buruli Ulcer Disease, Insights into a 110 Year Mystery Using Landscape Based Modeling."

For more information on the academic and professional career and achievements of Dr. Elwood L. Shafer visit <http://www.personal.psu.edu/els1/>



Dr. Elwood L. Shafer (left) receives his certificate from Bob Merrill

Roach Bauer Forestry Forum Hosts New Leaders

by Ned Karger CF, Forum Chair

New leadership has been appointed in the two largest public land agencies in Pennsylvania. **Dan Devlin** has taken the reigns as the new State Forester in the DCNR Bureau of Forestry (BOF) and **Dave Gustafson** has been named the new Chief of the Forestry Division within the Pennsylvania Game Commission (PGC).

The **Roach-Bauer Forestry Forum**, held on April 17, 2008 at the Kane Country Club, hosted a presentation entitled “**Challenges and Opportunities for Forestry: Two New Leaders Perspective**” featuring both Mr. Gustafson and Mr. Devlin.

Mr. Gustafson graduated with a BS in Forest Science in 1999 from Pennsylvania State University. He started his career in private industry and then worked in the DCNR Forest Inventory and Analysis group as a Forester until 2003, then as a PGC Field Forester for the Northwest Region until promoted to Forest Program Specialist and helped initiate the PGC Forest Inventory program. Dave became PGC Chief Forester in August 2007. He also is the detachment commander for the PA National Guard unit in Bradford and has served overseas.

Mr. Gustafson spoke extensively on the relationship of forest management and wildlife management. The 1.4 million acres of PA State Game lands are managed for wildlife habitat, and timber management goals are designed to meet wildlife management objectives. He discussed the interdependency of these goals and objectives and stated, “They are the two renewable resources that are best served when they are managed with respect to how each impacts the other.” He discussed the expanded PGC Inventory data collection and how the information can be used to better manage the State Game Lands. Managing oak habitat type was identified as a crucial issue for the PGC and wildlife throughout Pennsylvania.

Mr. Devlin graduated from Pennsylvania State University with a B.S. in Forest Science and a M.S. in Wildlife Management. Dan held a wide range of jobs in the forestry field such as Reservation Forest Manager for the U.S. Department of Interior (Bureau of Indian Affairs), wildlife biologist for the

DCNR, and Assistant State Forester. Dan was promoted to State Forester in 2007. His position provides oversight for the management of 2.1 million acres of State Forest lands, forest fire management across the Commonwealth, and forest insect and disease control and management. The Bureau of Forestry within the DCNR promotes the conservation of native plants, and all of Pennsylvania’s forest land, both public and private.

Mr. Devlin discussed management on the State Forest lands but also looked at the larger picture. Thirty-one percent of PA forest lands are in public ownership with the remainder privately owned. The average age of individuals owning forest land in PA is 69, and a larger turnover of these lands is expected in the next few decades. This could have considerable consequences for forest management and the conversion of forest land to other uses.

Management planning on State Forest Land was covered, including the recent round of public meetings. Important topics of interest during the public meetings were recreation issues, OGM development, wind power development, wildlife management and quantity of timber sales. Mr. Devlin also touched on oak management as an important issue. He cited research data to show the decline in oak species and regeneration difficulties and said disturbance regimes may be keys to successful oak regeneration.

Both speakers were presented Black Cherry Biltmore sticks, a signature gift of the Roach/Bauer Forestry Forum. Over \$300 dollars was raised from donations and a maple syrup sale to benefit the **Bob Bauer Scholarship Fund**. **Firth Maple Products** of Spartansburg donated the syrup.

The next Roach/Bauer Forestry Forum will feature **Research Forest Pathologist Bob Long** discussing his research on lime treatments on forested sites. His presentation “**Impacts of Liming on Soil Chemistry and Responses of Northern Red Oak, Sugar Maple, and Black Cherry**” will be on **October 9, 2008** at the **Kane Country Club**. 🍃

The 2008 SAF Leadership Academy

By Doug Tavella, Chair, NJ Division, Allegheny SAF

I have recently become Chairman of the NJ Division, Allegheny Society of American Foresters (SAF). A few months ago, the National SAF announced that it would again be offering the SAF Leadership Academy. NJ Division members **Dennis Galway** and **Ron Sheay** urged me to attend. Both believed that it would be an invaluable experience and very helpful in leading the NJ Division. Initially I was hesitant to go for a common reason – a very demanding work load as a private Forest Consultant. After attending, I'm glad I decided to attend – for many reasons.

The academy was held at the **Bolger Center for Leadership Development April 26-29 in Potomac, MD**. Things kicked off on the evening of the 26th with an icebreaker exercise led by the dynamic **Mr. Jeff Bercuvitz**, President of Community Innovations. Bercuvitz led an all-day session on the 27th on **'Creative Strategies to Motivate Leaders'**. The theme on the 27th revolved around identifying creative strategies, achieving success in

a changing natural resource profession, learning and understanding the development of creative strategies and its power in achieving success, and learning the essential skills of creating an action plan that serves as a valuable tool in leadership and volunteering.

Mr. Tom Davidson, President of Davidson Leadership, led the second day. The theme of this thoroughly enjoyable all-day session was **'The Foundation of Effective Leadership'**. We were exposed to the concepts of building and maintaining effective teams to reach our goals by understanding personality differences of leaders and team members. Insight was gained as to how our tendencies appear to others, how they contribute to success, and how they can lead to failure if not managed effectively.

The third day of the academy featured a morning session offered by **Jan Davis, SAF Council Member, XI District**, on **'Challenging Yourself and Others: Energy and Commitment'**, followed by afternoon breakout sessions addressing **'The Inner Workings of SAF'** and **'Congressional Training'**.

Just over 50 SAF members attended the Academy from 28 states, including **Jonathan Kays** from the Allegheny MD-DE Division. Sixteen women attended the Academy, the highest percentage female component of any SAF event I have ever attended. Well over half of the attendees were under the age of 35. I mention these because I believe they bode well for SAF.

I was fortunate to have received the training, and even more fortunate to have been able to meet and talk with so varied a group of professionals. The opportunity to speak with these folks, listen to what they are doing and the challenges with which they are faced, and relate to them the challenges that we face in our region, was of the highest value. These people reinforced a long-standing belief of mine, that the forestry profession is blessed with high quality people.

I was also fortunate to receive a generous grant from the **Allegheny SAF Educational Endowment Fund**, for which I am very thankful. I am sold on the SAF Academy, and I hope Allegheny SAF will continue to provide the opportunity for leadership training for our leaders in the future.

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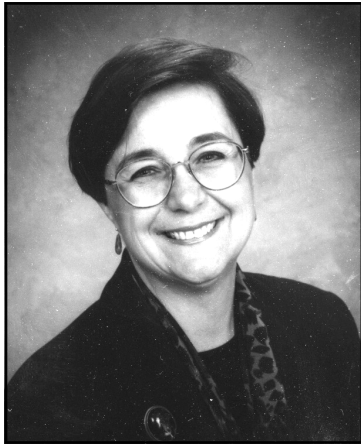
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District VII Council Report

By Mary Coulombe, CF, SAF District VII Representative

SAF Council met June 7, 2008 in Priest River, Idaho. Kirk David, District I Council member arranged for the meeting location at the Priest River Experimental Forest and for a tour of the forest. This was a unique venue for a Council meeting and I think a welcome change for Council.

Most Affordable! Convention Invitation: **Come to the SAF Convention in Reno, Nevada November 5-9, 2008.** This will be one of the MOST affordable conventions ever. Both flights and room rates are extremely reasonable, and access in and out of Reno is easy. **"Forestry in a Climate of Change"** is the theme and the program will

be exciting, interesting and educational! Registration is now open.

District VII Fellows Election: Council elected four District VII members to Fellows: **Mr. Steve Resh, Mr. Doug Crandall, Mr. Loren Ford, and Mr. Dwight Fielder.** Please congratulate them on achieving the highest honor in our Society!

SAF National Office: Progress continues to be made in the sale of the National office property to Nation's Academy. There have been some delays and some additional work with Montgomery County, MD that will take time. As you all know, property transactions are never done until they are done!

SAF Task Forest Report on Managed Forests and Climate Change: Council endorsed this report and it will be distributed widely. This report provides an extensive review of the relationships of forests and climate change. It will provide SAF with the scientific foundation for work in the public arena on climate change/forestry issues.

SAF Testimony on the Forest Service State & Private Forestry budget: I heard from a number of district members who expressed strong concerns to several Council members about SAF's testimony on the Forest Service S&PF budget because it did not include a recommendation for funding equivalent to FY 08. Michael Goergen explained that the individual line item funding recommendations within the S&PF budget were based on an overall view of the program and balance between line items.

2009 Leadership Academy: Council voted to hold a **2009 Leadership Academy.** National office staff will prepare options for dates, location and costs, and Council will approve at the November meeting. This should give members time to plan for participation.

SAF Insurance: There will an article in the Forestry Source about the process for obtaining separate insurance to cover events such as field trips, etc. In addition, the SAF website will have needed information for event planners. It is VERY important to plan the event well ahead of time and have discussions with the national broker; it is possible that additional insurance may not involve added costs.

SAF Position Statements: Council approved two new position statements: Wildland Fire Management and Use of Herbicides. All SAF positions are on the SAF website. Divisions and Chapters should look at these national position statements as they work on any related issues.

Student Activities: The District Student Representatives have been working on plans for the Convention. Also, they have identified some issues that they will work on, including connections with students, membership retention, and the student section of the SAF website.

As always, if you have any questions or would like me to pursue any issues, please contact me at coulombe@cox.net, 202-761-1228 or 703-352-4460. I appreciate your support and involvement in SAF! 🌱

Foundation Names Tioga State Forest as “Forest of the Year”



Roy Siefert, District Forester for Tioga State Forest (third from right) accepts the Forest of the Year Award from PPF President Marci Mowery on behalf of staff members and DCNR Deputy Secretary James Grace (far left)

HARRISBURG – The Pennsylvania Parks and Forests Foundation recognized seven groups, facilities and individuals for exemplary service, programs and work to protect and enhance the State Parks and Forest System at the 2nd annual awards banquet held at the Harrisburg Country Club on May 6, 2008.

The Forest of the Year Award, sponsored by Dominion, was presented to **Tioga State Forest**, spanning Tioga and Bradford Counties, in recognition of its innovative and exemplary work in both forest management and recreation for a wide range of activities. **Roy Siefert**, an SAF member and District Forester for Tioga State Forest, accepted the award along with staff members.

Tioga State Forest consists of 160,000 acres of State Forest Land. The original tracts of forest were purchased to protect the headwaters of Pine Creek. Many recreational opportunities abound including snowmobiling on designated state forest roads, hiking the 30-mile West Rim Trail along the rim of Pennsylvania’s Grand Canyon, or biking

along the Pine Creek Rail Trail.

One of the major accomplishments was the role District staff played in the 62-mile Pine Creek Rail Trail – recognized as one of the best in the country. The development and completion of the project over the course of 15 years required many hours of stakeholder meetings, overcoming significant barriers – including the reluctance of local landowners to participate – as well as the coordination of the efforts of several agencies, both local and statewide. Other accomplishments include:

- Designing and building the handicapped-accessible Barbour Rock Accessible Trail
- Working with sportsmen, conservation and service groups on wildlife management projects
- Remediating abandoned mine drainage and Babb Creek – bringing this once lifeless stream back to a trout fishery
- Conducting prescribed fire management for oak forest regeneration and the collection of American Chestnut seeds

The award winners received a certificate recognizing their achievement as well as a hand carved burl bowl – from Robert H. Gochnauer Wood Turning in Lancaster, Pennsylvania. Six other awards were also given during the banquet, including the Government Award, sponsored by SAF member **Joseph Ibberson**.

The Pennsylvania Parks and Forests Foundation is a statewide non-profit organization that supports the 117 State Parks and 2.1 million acres of SFC-certified Sate Forest through donations and volunteer coordination.

Foundation board members include business leaders, naturalists, elected officials, foresters and representatives of groups working for Park and Forest improvements. Part of the board’s mission is to support DCNR’s efforts to enhance public enjoyment of state lands and resources; protect important natural, scenic and recreation areas overseen by the state; and encourage public support of these resources so that they may be enjoyed by future generations.

For more information, visit the Pennsylvania Parks and Forests Foundation website at www.paparksandforests.org or call 717-236-7644. For more information about State Parks and Forests visit the DCNR website at www.dcnr.state.pa.us



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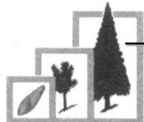
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Forests and Handheld GPS: Are you Experienced?

Jonathan S. Kays, Extension Specialist – Natural Resources, University of Maryland Cooperative Extension

This article is the second part of a series on GPS intended to provide specifics on GPS units and computer software and how they can work together. The first part of the series covered the basics of how GPS works and how it can help with your fieldwork. To read the first article, visit the Allegheny SAF website at www.alleghenysaf.org, click on the Newsletter button, and download the Spring 2008 issue. The article is on pages 26-27.

Improvement in GPS Handheld Receivers/Cost

One major barrier to the use of GPS handheld units in forestry was their inability to work well under forest cover. Many of the cheaper GPS units on the market now work great in open fields but take them in the woods and they are useless. That has now changed dramatically with the new generation of handhelds available for \$300 or less. The University of Maryland course uses the Garmin GPSMAP76 CSx units that sell on the internet for about \$300. Under forest cover the measurement error is 12-20 feet and it works under the most dense forest cover. The LCD is color and it is easy to use. Other manufacturers such as Magellan and Lowrance likely have similar units.

The unit comes with only basic state and interstate roads so there is very little reference on the screen to aid in field work. To use effectively you need to purchase Garmin Mapsource 2008

which has the USGS topographic quadrangle 1:100,000 scale maps for the entire USA (about \$100). All of a sudden your screen has topographic lines, streams, landmarks, and the smallest local roads which allows you to read and reference the landscape.

University of Maryland Offers Two GPS Courses

The first course is a beginner's GPS course that acquaints users with the functions of GPS, how to use it in the field, field application exercises, and software to integrate the GPS unit with a computer. As with all technology training, the participant needs to use the unit on a regular basis to ingrain what they have learned. A 6-12 month follow-up of workshop participants found that while 57% of users did not own a GPS at the workshop, 17% had purchased one and 20% would do so soon.

The second course is a one-day focused training on the use of Terrain Navigator (TN) software that provides USGS topographic maps on CD-ROM and allows you to create GPS waypoints, routes and tracks and transfer them to a GPS unit or to download GPS information taken in the field and then create a individualized computer map of the area you are working. You can tailor topographic maps for clients, include the information you want such as boundaries, and print it out using any scale you desire for easier field use or insertion in reports. The TN software is easily loaded on your laptop computer so you can always have topographic maps with you in your work vehicle and you can easily upload or download information to and from your GPS handheld unit.

Some may say this is just too confusing but for consultants, state and industrial foresters the use of GPS handheld units combined with TN software, you have a relatively easy way to manage your client properties, store your records so they are easily retrieved, all at a reasonable cost. What About Free Software & Terrain Navigator



(TN)?

One of the best free internet resources is USAPhotomaps which can be downloaded free from <http://jdmcox.com>. It downloads USGS aerial photos and topographic map data from the TerraServer Web site, saves it on your hard drive, and creates maps with GPS accuracy. You can locate client properties and download the approximate corners and entry points to your GPS unit, reducing your field time.

Terrain Navigator uses the digital USGS topographic quadrangle 1:24000 scale maps, and sells them by state for \$100 each (the Mid-Atlantic region includes Maryland, Delaware, and New Jersey, but that is the exception). You can load the CDs onto the hard drive of your computer so they are always available.

Conclusions

The cost of purchasing a good quality GPS unit (Garmin MAP76 Csx), digital topographic maps for the unit (Garmin TOPO), and the TN software comes to about \$500. The freeware like USA Photomaps can be used in combination with all these. What does it save you? Well, time is money and it also saves frustration. By locating corners and plot centers prior to your fieldwork, you no longer need to run compass lines through brush and thorns – what a value!

Want to Learn More?

Maryland Cooperative Extension (MCE) will be offering more courses this fall but MCE is willing to do training elsewhere with the 20 GPS units and laptop computers, as long as there is wireless internet access. You can also teach yourself - the training manual with exercises and screen shots for the Beginners GPS course and the TN Course can be downloaded free at:

www.naturalresources.umd.edu/GPS.cfm. If you are interested in learning more about GPS and/or want to put your name on a list to receive notification of the next workshop series in Maryland contact Pam Thomas at pthomas@umd.edu or 301-432-2767 x315.

If you have any questions about this article, or the article in the Spring 2008 issue of *The Allegheny News*, please contact me at jkays@umd.edu

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The next newsletter deadline is September 15, 2008

Send articles in Microsoft Word format and photos as JPG files to Allegheny News editor Jack Winieski at ansaf@verizon.net

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Visit the Allegheny SAF website  
[www.alleghensaf.org](http://www.alleghensaf.org)

for online newsletters, officer contact info, committees & chairs, important documents, etc.



# Ecological Forestry in the Central Appalachians

*A Workshop Incorporating Natural Models Into Silviculture*

**Graceland Inn and Conference Center  
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**October 22-23, 2008**

Ecological forestry uses silviculture and management techniques that mimic the ecological processes that have shaped our forests for thousands of years. Ecological forest management creates forest structures and functions that promote diverse and healthy forests across the landscape.

### **Workshop Objective**

To introduce core principles of natural disturbance and natural development-based silviculture, and matrix management paradigms, through classroom lecture, discussion, and field visits to innovative projects that implement these principles.

### **Registration Fee: \$190.00**

Includes workshop binder and CD, meeting room and facilities, transportation to and from field sites, and these meals: Wednesday breakfast, coffee break, lunch and dinner, and Thursday breakfast and box lunch.

### **Registration Information**

Please contact Sue Dimmick, WVU Division of Forestry and Natural Resources  
P.O. Box 6125, Morgantown, WV 26505

Phone: (304) 293-2941, ext. 2490      E-mail: Sue.Dimmick@mail.wvu.edu

*Detailed information can be found on the workshop website:*

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# Silviculture News

By Mary Ann Fajvan, ANSAF Forest Science Coordinator

## Describing Stand Density and Growing Space

There are many terms and decision charts that managers can use to describe the degree of crowding in even-aged stands so that decisions regarding thinnings and other silvicultural treatments can be determined. In our region, there are several stocking charts that are used to evaluate stand density using data from a field cruise. Use and interpretation of the information obtained from these charts first requires a review of some common terminology (adapted from Nyland 2002):

### Stocking

- The number of trees per unit area compared with the desired number for best growth and management
- The amount of any measurable attribute on a given area, particularly in relation to what is considered optimum
- A subjective indication of the numbers of trees, compared with the desired number for best results
- The proportion of area actually occupied by trees, as distinct from stand density

### Relative Density

- Stand density expressed as a proportion of some reference level
- The absolute density (e.g. basal area/acre) expressed as a percent of the average maximum common to similar stands

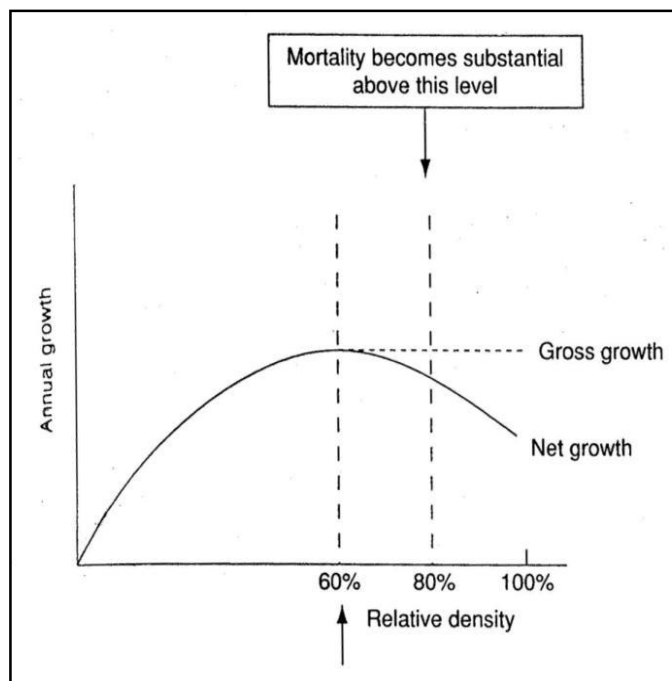
### Fully stocked stand (60-99% stocked)

- Trees effectively occupy all growing space but have ample room for development (Note: Once crown closure occurs at 60% stocking, competition also increases as stocking increases)

### Overstocked (100% + stocked)

- Trees occupy the growing space so completely that growth has slowed.
- A condition where many trees are oppressed or suppressed (Note: Also the situation where mortality is greater than growth and net growth is decreasing)

Describing a stand's condition using either "relative density" or "percent stocking" basically means the same thing. For example, if a stocking chart indicates that a stand is 80% stocked (or has a relative density of 80%) does this mean that the stand is utilizing 80% of the available growing space? Not really; utilization of 80% of the



growing space could imply that there is still about 20% of the growing space still available for more trees, which is not the case. A stand that is 80% stocked has already utilized all of the available growing space but growth is still greater than mortality so net growth is still increasing, but at a decreasing rate because of competition. Once a stand has reached 80% stocking, it is time to thin again before growth slows too much. In a graphical representation of this relationship (see Figure), the growth curve would peak at 60% stocking and then begin to decrease as stocking increases (growth rate slows, because competition is again increasing at crown closure). So use thinnings to keep stand density around 60% in order to minimize mortality and maximize growth per acre.

*Note: Thanks to Mike Eckley for precipitating this discussion.*

References: Nyland, R.D. 2002. *Silviculture Concepts and Applications*. 2<sup>nd</sup> edition. McGraw Hill.

**Interactive online stocking charts:** [www.oak.snr.missouri.edu/silviculture/tools/gingrich.html](http://www.oak.snr.missouri.edu/silviculture/tools/gingrich.html)

## Coming Events

### August

12-14 "Wood Structure and Identification"  
Workshop, Hardwoods and  
Softwoods, PSU Forest Resources  
Building, Mike Powell 814-863-1113,  
[www.sfr.cas.psu.edu/workshops.html](http://www.sfr.cas.psu.edu/workshops.html)

### September

15 **Deadline for articles and photos for  
the Fall 2008 issue of *The Allegheny  
News***

### October-November

30-1 MFA Annual Meeting. For details visit  
<http://mdforests.org/AM2008.htm>

### Future Allegheny SAF Meetings

Winter 2009: Rothrock Chapter  
Summer 2009: Northern Hardwoods

### Future SAF National Conventions

2008: Reno NV November 5-9  
2009: Orlando, FL Sept. 30-Oct.4



### **Don't Forget to Register!**

**"Forest Land Issues Related to Wind Energy"**  
at the Allegheny SAF Summer Meeting  
**July 16-18** at the  
University of Pittsburgh at Johnstown Campus  
**Call Michael Barton at 814-487-5415**

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