

The Allegheny News



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The Allegheny News

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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

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Cover Photo

SAF Post Technical Field Trip of the NIPF & Forest Products/Utilization Working Groups on the Arlyn Perkey and Lloyd Casey Tree Farms in southwestern Pennsylvania, which also included a tour of the Wilson Forest Products specialty barrel parts—all part of the National SAF Convention in Pittsburgh.



Chair's Corner

By Kim Steiner,
Allegheny SAF Chair

THE 2006 NATIONAL SAF CONVENTION IN PITTSBURGH IS A SUCCESS!

The 2006 SAF National Convention in Pittsburgh is now history. Our goal for the convention was to make it the "best of the millennium." Of course, that was always meant to be communicated with a wink and a nod. The millennium is quite young yet, so the target seemed reachable, if just a little bit ambitious. Now that the convention is over, how did we do? Well, I think we are entitled to believe that we succeeded!

Aside from complaints about not having enough food at a couple of events, all of the comments that I heard (or heard of) were positive. In fact, most of the comments were more than "just positive." Several attendees, including a member of the national office staff who is a veteran of something like ten SAF conventions, told me it was the best one they had ever attended. We wanted folks to be glad they came to Pittsburgh... I believe they are.

Of course, none of us was able to participate in everything the convention had to offer. For me, some of the high points were the plenary speakers (particularly Wangari Maathai, **Jim Nelson**, Dave Kittredge, and **Jim Grace**), many of the technical presentations, the Carnegie Museum reception (despite not getting enough to eat), the alumni receptions, the Foresters' Fund and other Exhibit Hall features, the Breakfast Roundtables, the Lunch with Leaders, and the jam event with **Ray Hicks** and his Cordwood Band. I was pleased that three of our members won national awards: **Steve Wacker** (Presidential Field Forester Award), **Dylan Jenkins** (Young Foresters Leadership Award), and **Steve Horsley** (Barrington Moore Memorial Award).

That the Pittsburgh convention was, indeed, extraordinarily successful is borne out by the numbers. The table below contains some statistics comparing Pittsburgh with all conventions dating back to 2000, and, as you can see in the following table, the numbers

(continued on page 2)

Convention	Registration	Paid Student Registration	Foresters' Fund Receipts	Sponsorships	Exhibit Booth Receipts	Technical Presentations
Pittsburgh, 2006	1439	435	\$15,002	\$40,700 ⁴	\$88,600	232
Ft. Worth, 2005	1197	344	6,955	35,100	77,050	194
Edmonton, 2004 ¹	822	197	0	35,525	135,350	182
Buffalo, 2003	1170	320	16,244	18,400	82,410	101
Winston/Salem, 2002	1403	324	17,142	49,900	34,400 ²	125
Denver, 2001 ³	1231	228	n/a	n/a	n/a	n/a
Washington, DC, 2000	1571	421	10,375	n/a	n/a	116

¹ The 2004 meeting was held jointly with the Canadian Institute of Forestry. Registration reflects SAF attendance only.

² Figure does not reflect income from exhibitors who paid for a booth in Denver and were carried over.

³ The Denver convention was to begin on September 11, 2001, and was cancelled.

⁴ Figure does not include a \$50,000 grant from the Heinz Endowments to support our keynote speaker, Wangari Maathai.

for Pittsburgh are very impressive. We are at the top or near the top in almost every category for which I could get data. Our student attendance set a record, we had a record number of job fair participants, and the Exhibit Hall was sold out. We probably set a record for total technical presentations, and we were near the top in Foresters' Fund receipts and sponsorships - income that depends heavily on the ability of local organizers to solicit support from business and industry and our membership. I had hoped our attendance would surpass that of the Centennial Convention in Washington, DC, in 2000. That goal proved to be a little out of reach, but, by golly, we made a good run at it! Remarkably, for all conventions dating back to 1996, we tied with Portland, OR (1999) for the highest *percentage* of total SAF membership in attendance.

I am convinced that this convention was a resounding success because we, the members of the Allegheny SAF, rose to the challenge of making it so. The energy and enthusiasm of individual volunteers were immeasurably important, and these people deserve our thanks for a job well done. I can't name them all, but I would like to acknowledge those persons who I know made key contributions.

First and most importantly, I must acknowledge our co-chairs, **Jim Finley** and **Susan Stout** (program) and **Kurt Gottschalk** (arrangements). Aside from the fact that they put enormous amounts of time into preparing for and executing the convention, Jim, Susan, and Kurt had, with me (as General Chair), a full commitment to a particular, shared vision of quality that I think was an essential ingredient in our ultimate success. They never let the team down, and they were usually well ahead of me on tasks that were their individual responsibilities. You can't ask for better team members than that.

Mike Lester handled the coordination of on-site

volunteers, and somehow found enough help - and sometimes more than enough - for all the tasks that required our participation. Volunteers were given aprons bearing the convention logo, and many did not realize that **Rachel Billingham** and **Tracey Coulter** had already spent many hours laboriously attaching those logos to the aprons by hand. Each volunteer also received a miniature Louisville Slugger bat, a donation from **Larimer & Norton** that was arranged by **Jack Buckler**.

The Foresters' Fund raffle and silent auction, if done well, adds measurably to the excitement of a convention. This year's was absolutely done well! Co-chairs **Tim Kaden** and **Ron Sheay** and their large team deserve the credit. Soliciting donations and organizing the "sales" are huge tasks. Tim and Ron received tremendous support from **Rachel Billingham**, **Tracey Coulter**, **Karen Sykes**, **Sue Thompson**, **Dave Miller**, **Joe Glover**, **Jason Shuey**, **Jack Buckler**, and others. **Frank Hennion** and **Earl Higgins** led the effort in raffle ticket sales, and **Jack Winieski** negotiated the Pennsylvania bureaucracy to obtain the necessary gaming license.

Kurt Gottschalk was responsible for coordinating the field trips, and he led one of the all-day Sunday trips. Other ANSAF members who led technical field tours were **Bill Elmendorf**, **Eric Heitzman**, **Tom Schuler**, **Susan Stout**, **Gary Frank**, **Pat Brose**, **Greg Socha**, and **George Cline**. I did not participate in any of these, but I have heard only favorable reports (aside from comments about the somewhat bracing weather!). We had to cancel three of the field trips because of low registration (this happens at every convention), but participation in the remainder was high, and some sold out.

Rachel Billingham and **George Cline** coordinated the local publicity efforts and of course were key volunteers in several other aspects of the convention, as already mentioned. Incidentally, Rachel arranged to have

the logo printed as a poster to raise money for the ANSAF, and I think some are still available. **Jamie Murphy, Beth Brantley, and Mike Powell** coordinated the National Student Assembly events and Quiz Bowl, which I understand may set new trends in how the Quiz Bowl is handled in the future. There were 31 teams participating this year. **Sue Thompson** coordinated the Hospitality Suite and arranged for some local, non-SAF volunteers to help out-of-towners with advice on sightseeing and shopping. Sue also was instrumental in obtaining the donation of Carnegie Museum for Friday's reception and arranging for a special tour of the entomological collections. In fact, Sue seemed to be always present with her assistance in getting us ready for the convention.

I particularly want to acknowledge **Gene Odatto** for arranging to fund the registration fees for 37 Pennsylvania Bureau of Forestry employees, most of whom were attending their first SAF convention. Gene also helped with the Foresters' Fund raffle. **Mary Ann Fajvan** successfully coordinated the maiden voyage of the Science Fund Photo Contest. **Gary Gilmore** brought his "Little Wonder" steam locomotive for display in the Exhibit Hall. **Joe Destro** secured for us the help of several members of a Pittsburgh service fraternity to help with the Carnegie Museum reception. **Denise Cooke-Bauer** prepared the exhibit sponsored by the Pennsylvania Division, with some help from **Alex Day, Jim Nelson**, and others. I thought the exhibit was nicely done. **Jerry Hertel** kindly showed up to help host our keynote speaker, Wangari Maathai.

According to Mike Lester, more than 30 additional volunteers were involved with assisting behind the



registration desk and providing support for the technical sessions. Some helped out with the Pennsylvania Hardwood Development Council's WoodMobile. Several of these people stand out in my mind because I saw them often in their volunteer aprons, but any attempt to credit them here by name would be flawed in some way, so I had better not try. Their contributions were valuable, even essential. Moreover, their conspicuous presence and overall spirit of helpfulness were positive contributions to the atmosphere of the convention.

Finally, I want to acknowledge our "local" convention sponsors:

- Heinz Endowments
- Pennsylvania Forest Products Association
- Weyerhaeuser Corporation
- Pennsylvania Department of Conservation and Natural Resources
- The state divisions and chapters of ANSAF
- Pennsylvania Chapter of The Nature Conservancy
- Pennsylvania Hardwood Development Council
- The Pennsylvania State University
- New Page Corporation
- Lewis Lumber Company
- Georgia-Pacific
- West Virginia Forestry Association
- Pennsylvania Association of Consulting Foresters
- Pennsylvania Forestry Association
- Walker Lumber Company

Talk about stepping up to the plate... I was amazed that over half of the firms, agencies, and organizations that I contacted for sponsorships actually said "yes!" I had not expected the fundraising part to be so easy, and it's clear that our sponsors saw the convention as a worthy cause. Our sponsors' contributions enhanced the convention experience in significant ways, and they deserve our thanks.

In the final analysis, the high energy level, great speakers, strong technical content, excellent convention center, and the beautiful city of Pittsburgh really established the success of the 2006 convention. These ingredients were present in part because we challenged ourselves to carry off a great convention, and ANSAF rose to the challenge. Interestingly, all through the planning process our benchmark was the superb 1999 Portland, Oregon, convention. We were doubtful that we could surpass it in total attendance, but Portland was our target, our quality standard. As it happens, next year's convention is also going to be in Portland. And — lo and behold — I've heard that their planning committee now regards Pittsburgh as the convention they have to beat! 🌲

In Memoriam: Grant E. Powell



Grant E. Powell, 87, of Pittsville, MD died, Tuesday, September 12, 2006. Grant graduated from Penn State with a forestry degree and immediately served as the Assistant District Forester of Maryland Dept. of Natural Resources for two years. He then worked as a forestry surveyor for E. S. Adkins and Company for 35 years, retiring in 1984. In retirement, he worked for Harold Hampshire until 2003.

Grant was a WWII army veteran and life member of both VFW Post 2996 in Powellville and the American Legion Post 64 in Salisbury. A member of the Pittsville Lions Club, he also served as president of the Pittsville Town Council for over 20 years and the Wicomico County Board of Education for 10 years. 🌲

**The next newsletter deadline is
March 15, 2007**

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

Rothrock Award Presented to Allegheny Forester

The Pennsylvania Forestry Association presented the 2006 Rothrock Conservationist of the Year Award to **Alex Day**, a forester with the Department of Conservation and Natural Resources, Bureau of Forestry. The Pennsylvania Forestry Association (PFA), the nation's oldest forest conservation, founded in 1886, presents this award annually.

Day, who works as the nursery operations manager, has spent 35 years with DCNR. Since joining the department in 1971, he has worked as a forest resource planner in the Harrisburg central office and has held several field positions: in the Michaux State Forest, and an assistant manager's position on the Susquehannock State Forest in Coudersport. In 1989, he began his current duties, located at the Bureau's Penn Nursery, in Potter's Mills, PA. In this position, he has been an outspoken advocate of the best forest regeneration and restoration, often conducting nursery training for new bureau employees, as well as giving numerous nursery tours for schools, woodland owners' groups, fellow professionals and even interested neighbors and casual visitors.

PFA Award Committee Chair, Joe Barnard, when making the presentation, noted that it recognizes individuals who practice the highest forest conservation ideals as envisioned by PFA's founder, Dr. Joseph T. Rothrock. A medical doctor by training, Rothrock recognized very early in his career, the need for forest protection and restoration of Pennsylvania's denuded forests long before it was popular.

Day, who spent his teenage years in Rothrock's birthplace of McVeytown, PA, learned from his father—Hugh Day—a public school teacher, the value of protecting forest soils and forested watersheds. Attendance at a two-week long Forest Conservation camp in 1956 contributed to his decision to become a professional forester. Day, an SAF member since 1972, remarked that he was not conscious of doing anything extraordinary in his career that merited such an honor, he was merely doing what he was taught and following in the footsteps of a wonderful mentor and teacher. 🌲



Alex Day displays his Conservationist of the Year Award



District VII Council Report

By Mary J. Coulombe, CF, SAF District VII Representative

Membership and Dues: Your Help Is Needed

The New Year is an opportunity to look ahead, make a fresh start, and try to do better than the last. For SAF, I think that the New Year will bring some tremendous opportunities to continue to broaden the public's support of sustainable forestry, to find new solutions to land and resource management problems, and to build or expand our professional knowledge and experiences. I think that SAF is a strong and viable organization of people who seek to extend their personal professional capabilities and to advance sound, sustainable

management of forests and forested lands.

SAF has done a lot of work over the last few years to learn what its members need and want from a professional society. This spring at the March SAF Council meeting, the Council will further discuss some options for making changes to the membership and dues structure. The proposals are designed to make joining SAF easier and more understandable, help to retain members, and reduce the confusion over dues. The proposals have been circulated to Society, Division, and Chapter Chairs to allow for discussion among the members.

I think that the membership categories are not conducive to attracting people who qualify for membership, but who may not be practicing forestry per se. For example, I have asked recreation managers why they are not members of SAF and they tell me that they don't think they qualify (even though they may have a forestry degree). Such instances are lost opportunities for membership.

I also think that our dues structure is too complicated and seems to be a disincentive to retaining members in the 20-30 age groups, as well as difficult to explain to potential members.

I believe that SAF can continue to be the professional organization for forestry and an organization of people who are engaged in other aspects of land and resource management. I don't see it as an "either-or" situation.

As you can see, I have my own thoughts about these issues, but I very much need to hear from you, individually and from your chapters, divisions, and state society. Please let me know your thoughts and ideas. This is very important to you and the Society. You can email me at coulombe@cox.net or call me at 202-761-1228. **HAPPY NEW YEAR!** 🌲

The Golden Touch: 50 Years of SAF Membership

In recognition of fifty years of dedicated service to the Society of American Foresters and to the forestry profession, SAF Golden Members receive a certificate and letter of appreciation from the SAF President commemorating their career milestone. Also in appreciation, SAF waives their membership dues in perpetuity.

The following list includes the Allegheny members who will be recognized during the awards banquet at the 85th Annual Allegheny SAF Winter Meeting to be held

February 13-15, 2007 at the Clarion Hotel and Conference Center, Hagerstown, Maryland.

John H. Kitch	Valley Forge Chapter
Charles J. Newlon, CF	New Jersey Division
David L. Posca, CF	West Virginia Division
David L. Steward	Plateau Chapter
Raymond J. Stralka	MD/DE Division
Anson E. Wright	Plateau Chapter

Plan to attend and honor these individuals. 🌲

Allegheny SAF Members Receive National Awards



SAF President Marvin D. Brown (l) congratulates Stephen Horsley

Stephen B. Horsley, a resident of Russell, Pennsylvania, recently received the Society of American Forester's Barrington Moore Memorial Award, which recognizes outstanding achievement in biological research leading to the advancement of forestry.

Horsley is a research physiologist with the USDA Forest Service, Northern Research Station in Irvine, Pennsylvania where he has worked since 1973. He also serves as adjunct faculty at the State University of New York College of Environmental Science and Forestry and at the Pennsylvania State University, and has served as adjunct faculty at the Swedish University of Agricultural Sciences in Umea.

Throughout his career, Horsley has made substantial contributions in three separate arenas of science and sustainable management. His early work identified the mechanisms by which the native hay-scented fern interfered with the establishment and growth of natural regeneration, and he developed safe and effective ways to treat this interference. This led him to a body of work on the effect of white-tailed deer on forest vegetation dynamics, a field to which he contributed a seminal paper. In the third stage of his career, he formed and led a team that continues to work on the range-wide issue of sugar maple decline. This work demonstrates that decline occurred on sites low in key nutrients on which additional stress, such as defoliation, occurred two or more times during a decade.

He has published more than 50 research papers, given innumerable university seminars and class presentations, and worked with land and resource managers throughout PA. Further, his work has served as the basis of productive work by other scientists, and his work has changed forest practice and forest policy.

In his service to the Society, Horsley has filled leadership roles at both the local and national levels, and has served as associate editor of *Forest Science*. He is currently an associate editor of the *Canadian Journal of Forest Research*. He joined SAF in 1965.

The Barrington Moore Memorial Award is one of eight national awards announced by SAF. The winners were recognized at a special ceremony held at the 2006 SAF National Convention, October 25-29, in Pittsburgh, Pennsylvania.

Stephen B. Wacker, of Blain, Pennsylvania, was presented with the National SAF President's 2006 District VII Field Forester Award during the SAF National Convention, in Pittsburgh, PA, October 25-29, 2006. SAF District VII encompasses members in the Allegheny and National Capital Societies. The award recognizes foresters who have dedicated their professional careers to the application of forestry on the ground using sound, scientific methods and adaptive management strategies. Recipients must have displayed uncommon talent, skill and innovative methods to achieve a record of excellence in the application of forest management.

Wacker began his forestry career as an intern with Appleton Papers in Roaring Spring, Pennsylvania. After graduating from Penn State in 1985 with a bachelor's degree in forest science, he worked as a sub-contractor doing stand exams on the Allegheny National Forest. The following year, he was hired by Diamond International and worked in New Hampshire and Vermont where he performed a variety of tasks pertaining to timber management, such as continuous forest inventory remeasurements.



Stephen Wacker

In 1987, he began working as a forester with the Commonwealth of Pennsylvania, Bureau of Forestry, in Harrisburg, where he worked on the reforestation of mined lands. Later, he transferred to Bedford County where he served the agency as a service and timber management forester on the Buchanan State Forest. During this time, Wacker became increasingly outspoken about the effects of deer on the state's forests to our

forests. To address the issue, he helped form a Deer Damage Committee with the assistance of the Conservation District and held regular meetings with sportsmen, farmers, game commissioners, legislators and the media. It is an issue in which he continues to be involved and he has testified about it before the state legislature in Harrisburg.

He also encountered the problem of regenerating mixed pine stands while working in Bedford County, but with the help of his agency colleagues, was able to accomplish the successful natural regeneration of a mixed hard pine stand despite the limited success of previous regeneration projects and tight budgets.

In 1997, he was promoted to assistant forest manager, a position in which he supervises five foresters, two seasonal forest technicians, and three seasonal laborers, and oversees timber management, recreation, wildlife, assistance to private landowners, and public information and education programs. Since his arrival this team has continued its traditions of consistently exceeding timber management goals and striving to expand our understanding of the forests in the region. Wacker joined SAF in 1985.

Dylan H. Jenkins, CF, recipient of the Young Forester Leadership Award, is Director of Forest Conservation for The Nature Conservancy (TNC) of Pennsylvania. The Award recognizes outstanding leadership by a forestry professional younger than 40 years of age in the development and promotion of an individual program or project or for a sustained leadership role benefiting the practice of forestry and the Society of American Foresters.

Jenkins oversees TNC-owned forestland management, development of state forest conservation strategies, and implementation of forest protection projects. He serves as the liaison between TNC and state and federal agencies on forest conservation initiatives including the PA Old Growth Forest Restoration Project and TNC's private forest stewardship programs. In the process, his work pertaining to the use of fire and harvesting to attain old-growth stand conditions has been well received, and he has been able to demonstrate the value of working forests and the importance of using science-informed management to achieve forest conservation goals.

When he came to The Nature Conservancy, Jenkins immediately became involved in the perennial discussions regarding white-tail deer management in Pennsylvania. In that capacity, he has worked with a variety of stakeholders, such as state and federal agencies, universities, and hunting organizations, by appealing to their sense of stewardship and the need to address the

critical forest management issues surrounding white-tailed deer management.

Before coming to TNC in 2003, Jenkins directed the Virginia Forest Landowner Education Program at Virginia Tech where he established a statewide educational initiative for Virginia's 400,000

private forest landowners including development of the nation's first web-based course for forest landowners. His extension work with private forest landowners earned the 2003 National Forestry Extension Program Award. He authored SAF's National Position on state programs to license and credential foresters. In 2005, he helped organize a workshop on forester credentialing and now serves on SAF's Certification Review Board, which oversees the Certified Forester® program. He was the Virginia SAF Chair in 2000-01, and is a Certified Forester in the SAF.

As an SAF leader, Jenkins was a consistent contributor to the Committee on Forest Policy's efforts to develop and update SAF position statements, assess and develop comments on many legislative and federal agency rule-making proposals, and advise SAF officers and SAF Council members on current and emerging policy issues. He joined SAF in 1991. 🌲



Dylan Jenkins

Educational Endowment Fund Update

By Ron Sheay, Endowment Fund Coordinator

With the addition of a contribution from **Kenney Funderburke, Jr.** this past spring, the Educational Endowment Fund has reached \$32,935. Add to this total our original \$10,000 endowment and we have a \$42,935 investment for educational programs within the Allegheny SAF. Keep in mind that the endowment stays intact and only the interest earned may be used for programs. Currently there is \$4,542.82 available for educational programs for foresters or to educate the public on forestry issues. If you have a program planned for 2007, please make a proposal to use some of the available funds, and send your request to the Education Committee Chair: **Mark Webb**, 11021 Rt. 6, Union City, PA 16438, telephone (814) 663-4008. 🌲

National SAF Convention Exhibitors

Thank you to the many exhibitors at the 2006 SAF National Convention in Pittsburgh. Please keep them in mind when the products and/or services they provide are necessary in your daily forestry practices.

Alenza	Intertribal Timber Council	Ret. Forest Service (Nat'l Museum of Forest Service History)
American Tree Farm System	JAMAR Technologies, Inc.	RISI
ArborGen	John Deere Agri Services	SAF 2007 National Convention
Arkansas Forest Resources Center	Juniper Systems, Inc.	SmartWood
Association of Consulting Foresters	Kenerson Group	Society for Conservation Biology
ATBI, Inc.	Land Vest	Stephen F. Austin University
Auburn University	LandMark Systems	SUNY College of Environmental Science and Forestry
Bartlett Tree Experts	Laser Technology, Inc.	Sustainable Forestry Initiative
Ben Meadows Company	Maryland Dept. of Natural Resources Forest Service	TEAMS USDA Forest Service
BioForest Technologies, Inc.	Mason, Bruce, & Girard, Inc.	Tripod Data Systems
Bureau of Land Management	Measurement Devices LTD	University of Minnesota, College of Natural Resources
Campbell Scientific, Inc.	Michigan Tech - School of Forest Resources and Environmental Science	USDA Cooperative State Research, Education, & Extension Service
Canaan Valley Institute	Mississippi State University	USDA Forest Service
Certified Forester	NCP Coatings, Inc.	USDA Forest Service, Northeastern Area
Davey Tree Expert Company	Nelson Paint	USDA Forest Service Research and Development
Duke University	North Carolina State University	USDA-NRCS Plant Materials Program
ENGEL-USA	Northern Arizona University - School of Forestry	VanCoe
Ernst Conservation Seed	Oregon Department of Forestry	Virginia Tech Department of Forestry
ESRI	Orbis Inc.	Voss Signs, Inc.
Evergreen Aviation	PA Division of SAF	West Virginia University
Forecon, Inc.	PADCNR Bureau of Forestry	Western Pennsylvania Conservancy
Forest History Society	Peace Corps	Yale University
Forestry Suppliers, Inc.	Pennsylvania State University - School of Forest Resources	
Geoshack	Phos-Chek	
Haglof, Inc.	Precision Laser & Instrument Inc.	
Hardwood Tree Improvement & Regeneration Center		
Image Tree Corporation		
International Society of Tropical Foresters		


First Annual Science Fund Photo Contest a Success

By Mary Ann Fajvan, Chair, 2006 SAF Convention Science Fund

The amazing photography talents of SAF members were on display at the 2006 National Convention in a competition to win recognition and help support the new SAF Science Fund Grant Program. Thanks to the efforts of 14 Allegheny SAF volunteers, convention attendees purchased 529 votes at \$1 each to vote for their favorite of the 64 photos related to the contest theme: "Science in Action."

The grand prize "Best of Show" photo, taken by Mike Cloughesy of Portland OR, received 30 votes and was in the category: Teaching Science to Children. Allegheny SAF members who won top honors were: Kurt

Gottschalk, Steve Horsley, Jennifer Stingelin Keefer, Marian Keegan, and Charlie Newlon. There are many other talented photographers in the Allegheny SAF, so start taking photos for the 2007 competition in Portland, Oregon.

The Science Fund Grant Program, provides monetary support to projects and events that facilitate research and information exchange in conjunction with SAF Working Groups. Detailed information about the Science Fund is available on the SAF website at: www.safnet.org/members/scifund.cfm or by contacting Terry Clark at clark@safnet.org 

SAF Foresters' Fund Raises \$15,002

By Tim Kaden and Ron Sheay, Foresters' Fund Co-Chairs,
2006 National Convention

Objective: The SAF Bylaws state that the goals of the Foresters' Fund are: to promote education and enhance public understanding of the role of professional foresters in resource management; to conduct forest policy activities; and to strengthen state societies, divisions and chapters in achieving the mission of the Society.

The Allegheny SAF Foresters' Fund Committee co-chaired by **Tim Kaden** and **Ron Sheay** with excellent support from the rest of the committee, named in this article, officially raised \$15,002 at the National Convention in Pittsburgh in October.

Donated items began being accepted during the summer by **Sue Thompson** and **Jason Shuey** at their Pittsburgh address. **Rachel Billingham**, **Tracey Coulter**, and **Karen Sykes** recorded all items donated and who gave the donations before the convention and all during the meeting as members brought in items. Foresters' Fund committee members quickly decided whether an item should go in the raffle or silent auction.

When the exhibit hall opened for the icebreaker reception on Wednesday at 5:30 pm, the Foresters' Fund display and committee was ready. A cadre of raffle ticket sellers including **Doug D'Amore**, **Alex Day**, **Joe Glover**, **Earl Higgins**, **Terry Hoffman**, **David Miller**, **Gene Odata**, **Ken Jolly**, **Charlie Newlon**, and **Frank Hennion** circulated throughout the hall selling tickets for over 125 available items. Raffle ticket sales continued at a frenzied pace from the opening bell until the final break on Friday at 3:30 pm. Through the efforts of these members and others, raffle ticket sales generated \$5,300. Add this to the \$9,702 income from the 200+ items in the silent auction and fire sale – ably handled by auctioneer **Tim Kaden** – the SAF Foresters' Fund brought in \$15,002.

Other committee members that helped set-up, sell tickets, distribute raffle prizes, help with the silent auction and finally tear down the Foresters' Fund display and police the area included **Jack Buckler**, **Craig Ostheim**, **Jack Winieski**, **Michael Huneke**, and **Merewyn Boak**. A huge thank you to all volunteers for a very successful Foresters' Fund raffle and silent auction sponsored by the Allegheny SAF. 🌲

At times, it was very hectic at the Foresters' Fund display area and we might have overlooked a member or two that helped, so please accept our apologies.

Tim and Ron

Student Quiz Bowl at the SAF National Convention

By Beth Brantley



Winners of the 2006 National SAF Student Quiz Bowl
from the University of Arkansas at Monticello

The Student Quiz Bowl at the National Convention in Pittsburgh was a great success this year, with 31 teams participating from as far away as New Mexico and California! Students and faculty from Allegheny SAF members Penn State University Park and Penn State Mont Alto facilitated the quiz bowl. Teams were divided into two brackets, with each bracket competing in separate rooms until the final rounds. **Beth Brantley** and **Jamie Murphy** were the moderators, and assistance was provided by **Craig Houghton**, **Peter Linehan** and **Mike Powell**. Thanks to judges **Sandy Smith**, **Steve Resh**, and any other experts who helped with acceptance to given answers.

The final round was between UA-Monticello and UW-Steven Point, with a clean sweep by the University of Arkansas-Monticello. 🌲



Second place winners from
the University of Wisconsin at Stevens Point

"The Little Wonder" at Pittsburgh SAF

By Gary Lee Gilmore CF, DCNR Bureau of Forestry, Service Forester

I was asked to bring my replica logging-locomotive to the 2006 SAF National Convention in Pittsburgh as part of a display. Besides attracting a lot of attention, its whistle was used to add to the exciting atmosphere in the exhibit room. It was also used as the backdrop for the group photo of some of the attending Pennsylvania foresters. Here is a brief story of how "The Little Wonder" came to be...

"The first hauling of saw logs by steam power over a tramroad was in the spring of 1864, by the firm of Wright and Pier, then operating at the mouth of Callen Run on the Clarion River..." This quote came from a newspaper article published in 1895 and written by Alfred Truman who participated in this historic event. Little did I know when I read this same article about ten years ago how it would have had an impact on me.

During the American Civil War there was a great demand for lumber and those who could supply the products found their wealth increasing. Ruben Wright was one of those men who operated a sawmill along the Clarion River in Jefferson County, Pennsylvania. Ruben had traveled from his home in New York State to the gold fields of California where he made a tidy profit operating a store. After selling that business, he traveled to Pennsylvania to buy horses to raise and sell to western travelers. While negotiating a purchase of some horses from a farmer, he was asked if he would be interested in purchasing 2000 acres of pineland and a sawmill. At that point he made an offer, which was accepted, and his business foray into horse-trading changed to lumbering.

At that time, the logs were brought down the mountain to the mill by a rail car that ran on a tram road made of cribbing and topped with wooden rails. The log

car would be loaded and for most of the distance could be coasted to the mill. For those level grades or to haul the empty log car back up the mountain, a horse was used. Mr. Wright was a well-traveled man who had seen how steam power could propel boats up rivers and trains up mountains.

In 1863 he set out to build a steam-powered locomotive to replace the horse and extra driver. The locomotive was christened "The Little Wonder". Alfred Truman, who helped build this locomotive, records a wonderful account of this event. It can be found in Book 12, Page 1265 - 1266 of *Dams, Dinkies and Sawdust* by Benjamin Kline or online at <http://users.adelphia.net/~glgilmore/> This is possibly the first use of mechanized equipment use exclusively for logging in PA.

Now fast forward to 2003. I was hired as a DCNR Bureau of Forestry service forester in Jefferson County and also help manage the Clear Creek State Forest. The property where this locomotive used to run is now a part of the Clear Creek State Forest. Couple this with my interest in local history and the upcoming bicentennial celebration of Jefferson County in 2004. Throw in my interest in steam power along with my metal working abilities in blacksmithing, foundry and machining. The seed had begun to grow. "Why not build a full scale reproduction of "The Little Wonder" for the bicentennial, for interpreting logging history and for my desire to have a steam locomotive?" I also need to mention that the railroad line that runs through my property has not had a train on it in 15 years. What a great place to run and "park" the machine!

Over the decades, I had managed to acquire many of the necessary parts. The boiler was rescued from a junkyard about 25 years ago. The steam engine came from the widow of an engine collector. The wheels came from a friend who found them when a dozer uncovered a coal buggy in an old drift mine.



Gary L. Gilmore



"The Little Wonder" display at the 2006 SAF National Convention

In November of 2003, I started to put my dream into reality. The earliest photos of commercially built logging locomotives showed them as simple platforms with an upright boiler mounted in the center. This is a simple design and rather straight forward. A platform was built and the bearings and axle bolted to it. The boiler was then placed near the center of the platform with the engine located near the axle. I had decided to build this locomotive to run on a standard gauge railroad, to make use of the local rail line. Portions of this line where it crosses a road had been torn up for over 20 years, but most of the rail was intact. It would be a shame to build this machine and then have no place to run it. By springtime, it was nearing completion. Two disasters hit me then. About a month before the locomotive was ready for running, the rails were pulled from the abandoned line and sent to China for scrap iron. This rail line runs through the Anderson Creek gorge and I was anticipating the time when I could steam down that valley and listen to the sound of a steam whistle once again echoing off the hills. The second disaster happened when the State boiler inspector let me know that the boiler looked in good condition but it would need to be certified first. Evidently the boiler was built before the steam codes were written and therefore was

not stamped with the necessary "S" stamp. After a few phone calls I found a boiler shop in Pittsburgh that could certify my boiler but the price tag was over \$2,000! My hobby was starting to lose its attraction.

The first time I put the Little Wonder on display was at the Clear Creek Lumber Heritage days held at Clear Creek State Forest. While towing the locomotive there, it occurred to me that I would be passing by the location of the Wright mill where this first happened. I felt goose bumps as I drove past the old mill site and along the road that parallels the Clarion River – the very same road they used to haul the boiler and engine by wagon from Pittsburgh.

Since that time, I've had the locomotive on display at other events. I used to "fire it up" and run it back and forth on a short length of track while the kids blew the whistle. Even though the boiler has been pressure tested, I don't want to risk a fine for operating a non-certified boiler in public, so it has become a static display.

I don't know about the future of this machine. A hair brained idea is forming in my head to build a real, honest-to-goodness, steam logging railroad on my property. Any one interested in helping? Contact Gary Gilmore at ggilmore@state.pa.us; via telephone at 814 849-7463 (work) or 814-583-7438 (home). 🌲

PA Tree Farm Inspector Certification Training

Penn State University
Forest Resources Bldg
6:00 - 9:00 PM
Wednesday, March 21

Lackawanna State Park
Environ. Learning Center
Dalton, PA
9:00 AM - 12:00 Noon
Thursday, April 5, 2007

PA Bureau of Forestry
District #4 Office
Laughlintown, PA
9:00 AM - 12:00 Noon
Tuesday, April 3, 2007

Contact David Jackson
Penn State Extension
Bellefonte, PA
814-355-4897
drj11@psu.edu

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Hemlock: Canadian

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Dogwoods: Chinese, Gray, Silky,
Siberian, White

Locust: Black, Bristly, Honey

Maples: Norway, Red, Silver,
Sugar

Oaks: Black, Bur, English, Pin,
Scarlet, Sawtooth, Red, White,
Swamp, Willow

Button Bush, Catalpa, Cherry,
Red Cedar, Ginkgo, Poplar,
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Key Code: BSF02

National Convention Photo Highlights

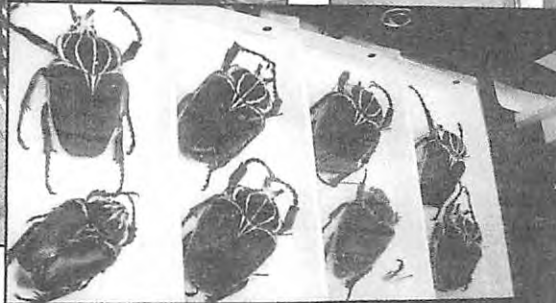
Photos compliments of Charlie Newlon
Gene Odato, and Jack Winieski



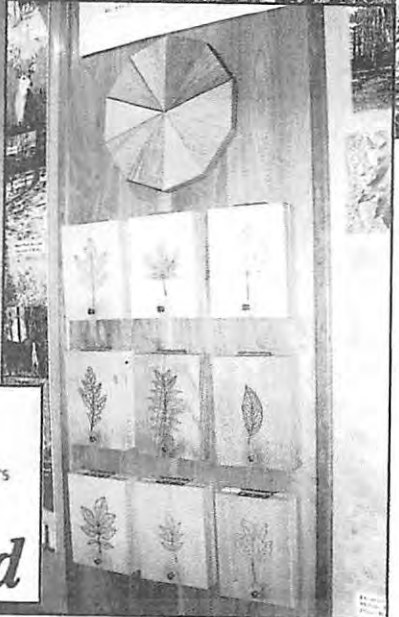
National Convention Photo Highlights



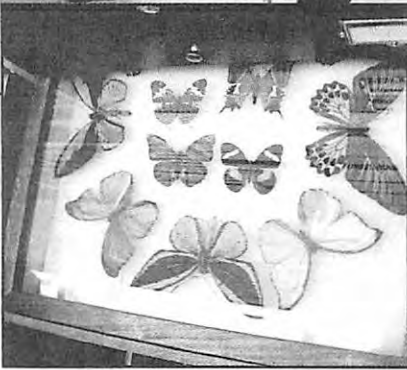
Student Quiz Bowl



Society of American Foresters
Timbering Better all the time
Science Fund



National Convention Photo Highlights



Allegheny SAF 2007 Winter Meeting

Clarion Hotel and Conference Center, Hagerstown, MD February 13-15, 2007

Forestry – Sustaining the Resource, the Industry and the Profession in Changing Times

7.5 Category 1 CFEs

Tuesday, February 13, 2007

Noon - 8:00 pm Registration Open, Reginald Forbes Art Contest Entries & Silent Auction
 2:00 pm - 6:00 pm Allegheny SAF Executive Committee Meeting
 6:00 pm - 8:00 pm Icebreaker Reception

Wednesday, February 14, 2007

7:00 am- 8:30am Continental Breakfast
 8:00 am - noon Registration Open, Reginald Forbes Art Contest Entries & Silent Auction
Sustaining the Resource – Moderator Mike Huneke
 9:00 am- 9:15 am Program Begins, Welcome / Introductions – Mike Huneke - Chair, Maryland / Delaware SAF
 9:15 am- 10:00 am Keynote Speaker, Jim Hubbard (Invited) - Deputy Chief, State and Private Forestry, USDA Forest Service – *The Current Situation. The Need for a National Policy on Sustainability*
 10:00 am- 10:30 am Austin Short - DE State Forester – *Sustainability in the Allegheny – Regional Considerations*
 10:30 am- 11:00 am Break – Exhibitors, Foresters Fund Silent Auction, Reginald Forbes Art Contest
Sustaining Industry – Moderator Pete Miller
 11:00 am -11:30 am Richard Lewis - President, Forest Resources Association – *Sustaining Industry in a Globally Competitive Environment*
 11:30 am - Noon John Forman, Wood Products, Inc. Oakland, MD – *Sustaining Industry. A Marketing Perspective*
 Noon - 1:00 pm Lunch
 1:00pm - 1:45 pm Larry Wiseman - President and Chief Executive Officer, American Forest Foundation (Invited) – *Sustaining Forestry on Private Land in Changing Times*
 1:45 pm - 2:30 pm The Forest Lands Group, Speaker TBA – *Adapting to the Changing Landscape*
 2:30 pm- 3:00 pm Break, Exhibitors, Foresters Fund
Sustaining the Profession – Moderator Steve Resh
 3:00 pm - 3:30 pm Terrance W. Clark, CF, Associate Director, Science and Education, Society of American Foresters – *Sustaining Viable Forestry Programs at our Colleges and Universities*
 3:30pm - 4:00 pm Wade Dorsey, Maryland DNR Forest Service – *Sustaining the Standard – CF Credentials*
 4:00 pm - 4:30 pm Panel Discussions – All speakers
 5:00 pm Student Quiz Bowl
 6:00 pm Cash Bar Opens
 7:00 pm- 9:00pm Banquet, Feature Presentation – Don Cooper, National Geographic Photographer, Sharpsburg, MD
 Awards Program – Kim Steiner, Allegheny SAF Chair

Thursday, February 15, 2007

7:00 am- 8:00am Chairman's Breakfast – Mr. Richard McGough, Minister, Hagerstown Church of Christ
 8:00 am - 8:30 am PA Division Meeting
 8:30 am - 9:00 am Allegheny Business Meeting, Silent Auction – Kim Steiner, Chair
Sustainability – The Good News – Moderator Jonathan Kays
 9:00 am - 9:30 am David Curson, PhD, Director of Bird Conservation, MD/DE Audubon Society – *Important Bird Areas – How sustainable forest management can help meet critical habitat needs for FIDs*
 9:30 am - 10:00 am Dan Heddrick - Maryland DNR Forest Service – *Small Woodlot Initiative – Can we make small woodlot harvesting economically viable?*
 10:00 am - 10:15 am Jonathan Kays, Maryland Cooperative Extension, *Small Woodlot Ownership*
 10:15 am - 11:00 am Albert Todd - Watershed Program Leader, Northeastern Area, USDA Forest Service – *Protecting the Forests of the Chesapeake Watershed -The Goal Setting Process and Moving Forward*
 11:00 am- 11:15 am Steve Koehn - State Forester and Director, Maryland DNR Forest Service – *The Final Word, Closing* Comments

Reservations: Please call the Clarion Resort at 1-888-528-6738 to reserve a room. Rooms are reserved under the Group Name "Society of American Foresters." Block lodging rate of \$69 per night plus tax. Forty rooms will be held at this rate through January 14, 2007.

Exhibitors: There will be ample room for exhibitors. If interested in providing an exhibit, Contact Philip Pannill: phone: 301-791-4010 or email at ppannill@dnr.state.md.us

Name: _____ Email: _____
 Address: _____ Phone: (work/home) _____
 _____ Name on Tag: _____

Registration due January 31, 2007. Late fee of \$15.00 applies to all registration fees postmarked after January 31, 2007.

SAF member	_____ @ \$66.00	Total \$ _____	
Non-member	_____ @ \$95.00	Total \$ _____	
Student	_____ @ \$33.00	Total \$ _____	
Chair's Breakfast	_____ @ \$12.00	Total \$ _____	
Banquet	_____ @ \$30.00	Total \$ _____	
(Banquet Buffet Style – Entrees include Roast Sirloin of Beef and Penne Alfredo)			Total Enclosed: \$ _____

Make Check payable to MD/DE SAF

Send Payment to: Michael Kay, Maryland Forest Service, 8602 Gambrill Park Road, Frederick, MD 21702

Any questions concerning the meeting, contact: Mike Huneke 410-836-4579 Email: mhuneke@dnr.state.md.us

Penn State AG Sciences Outstanding Alumni Honored

University Park, PA – Eight graduates of Penn State's College of Agricultural Sciences are recipients of 2006 Outstanding Alumni Awards. The awards recognize alumni for their achievements and provide opportunities for recipients to interact with the college's faculty, students and other alumni.

Named Outstanding Alumni were Wayne Bogovich of Willington, CN, Herb Cole, Jr., of Penns Valley, PA, Donald Field of Middletown, WS, Joseph Ibberson of Harrisburg, PA, James Miller of Williamstown, MI, and Ronald Josephson of Encinitas, CA.

Those selected as Outstanding Recent Alumni were Patrick Lawler of Cockeysville, MD, and Brent Leatherman of Kouts, IN. Recipients of this award must have earned their degrees during the last ten years.

Wayne Bogovich, a 1980 graduate with a bachelor's degree in agricultural engineering, is the state conservation engineer for the USDA - NRCS in the states of Connecticut and Rhode Island.

Herbert Cole earned a bachelor's degree in agronomy in 1954, a master's degree in botany and biochemistry (1955) and a doctoral degree in plant pathology and biochemistry (1957), all from Penn State. He is a Penn State professor emeritus of plant pathology.

Donald Field received his doctoral degree in rural sociology and demography from Penn State in 1968. He is a professor in the Department of Forest Ecology and Management and the Department of Rural Sociology at the University of Wisconsin-Madison; also a former dean in the College of Agricultural and Life Sciences and associate director of the Wisconsin Agriculture Experiment Station.

Joseph Ibberson received a bachelor's degree in Forestry from Penn State in 1947 and a Master's in Forestry at Yale in 1948. He is a private consultant, retired from the PA Bureau of Forestry's Division of Forest Advisory Services in 1977, which he developed and oversaw the development of management plans for over 2 million acres of state forestland; launched a pest control initiative that grew into a separate Division of Forest Pest Management. He is a Fellow in the Society of American Foresters.

James Miller earned a doctoral degree in entomology from Penn State in 1975. He is professor of entomology at Michigan State University, achieving recognition in the fields of entomology

and chemical ecology for a career that has benefited national and international agricultural production. His teaching and research interests have focused on insect behavior and physiology, insect-plant and insect-microbial interactions and the foraging strategies of insects.

Ronald Josephson earned his bachelor's degree from Penn State in 1964 from what was then the Dept. of Animal Science and Industry. His research has focused on cow and goat milk and dairy products, fish and shellfish, and medicinal products and foods. He taught numerous courses in food preparation, food proteins, nutrient analysis and food sensory properties while serving as advisor to hundreds of undergraduate and graduate students.

Patrick Lawler earned his bachelor's (1982), master's (1984), and doctoral (1997) degrees – all in food science – from Penn State. He is senior scientist in charge of ingredients, commercialization and flavor stability at McCormick and Co. in Hunt Valley, MD. He directed the building of a new food technology lab for applications, coordinated ingredient and manufacturing troubleshooting, and directed customer contact initiatives.

Brent Leatherman graduated from Penn State in 1996 with a bachelor's degree in agricultural engineering. As a licensed professional engineer, he manages the Indiana branch of Timber Tech Engineering, Inc. He performs and reviews structural engineering for commercial and residential buildings, is active in the American Society of Agricultural and Biological Engineers, and serves on technical and research committees as a member of the National Frame Builders Association. 🌲

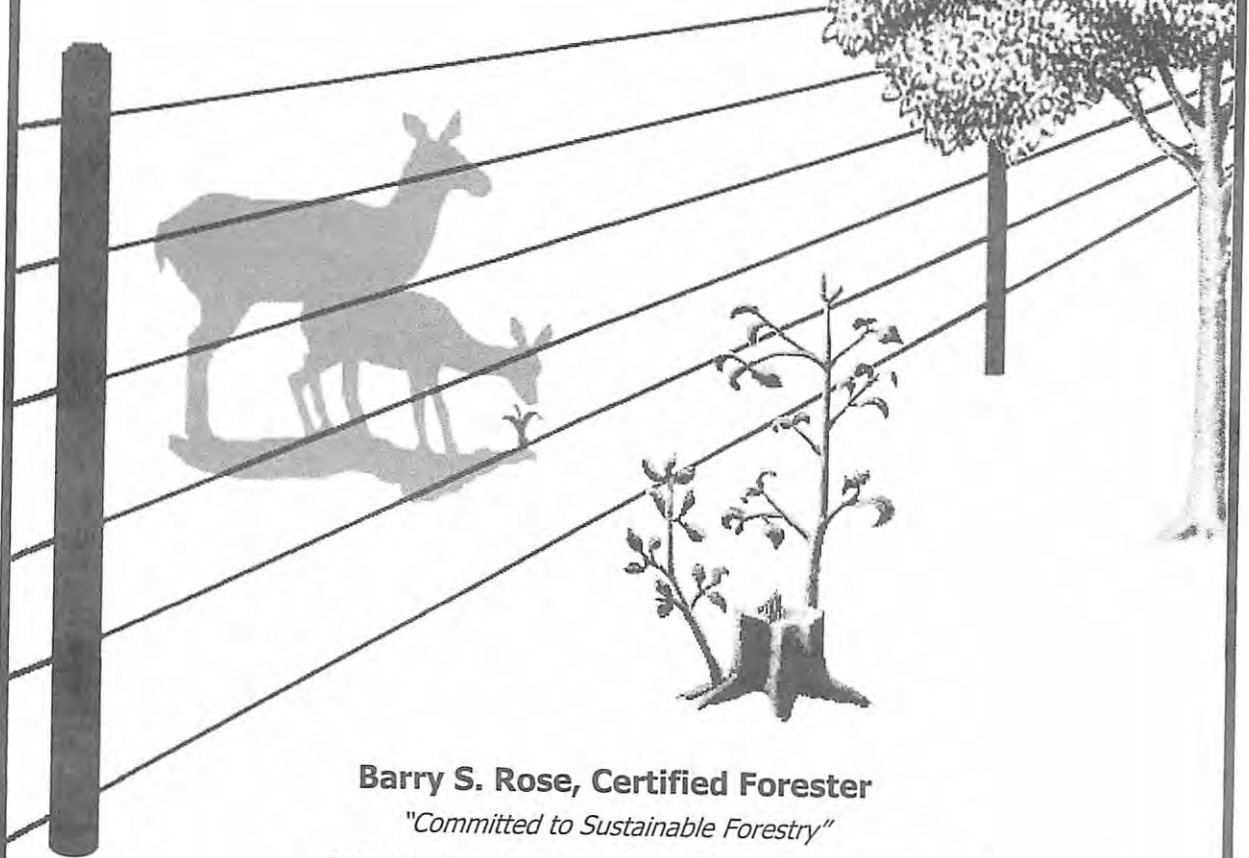




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"Christmas in February – 2006"

By Alex Day, CF, SAF Rothrock Chapter

It was the early days of February 2006, when I got a hurried phone call from my boss. "We have an opportunity to host a couple of Polish forester interns. Can you find them some interesting cooperative work and a place to stay?" I paused for a few seconds and then said, "Sure Joe, (Joe Fiedor) we can do that. I'm certain we can work out the details later." And of course, we did, and put them on our payroll as scientific/technical interns, much to their great surprise. Both interns had come to the USA through an international program sponsored by Ohio State University. However, the job they were assigned to was not challenging enough, so they looked for something more to their liking.

For the past eleven months, the staff at Penn Nursery has been hosting **Artur Prociuk** and **Maria Nowicka** and finding interesting forest projects for them to assist with, and in general showing them around our state forests and seed orchards, and introducing them to dozens of people in the PA Bureau of Forestry and throughout central Pennsylvania. With some very key assistance from Greenwood Furnace State Park Manager **Dan Bickel**, we found housing for Artur and Maria for the duration of their internship in the old iron master's mansion at the park. They were both thrilled with the ample accommodations in their new home.

In addition to the tours of the area provided by the Nursery staff during the course of daily duties, Artur and Maria are fond of visiting local sites on the weekends, using their own vehicle. Artur picked up some new technical English terms as he made repairs on an aging Buick *Regatta*. Later, he traded it in for a big used Chrysler sedan and learned some more technical English during that transaction. Of course, the Penn Nursery staff has picked up some Polish words, from both interns. Maria is very patient with us as we attempt to mimic her very precise enunciation. These sessions



(L to r): Artur and Maria learn about hybrid chestnuts from Sara Fitzsimmons and Alex Day

always end in laughter—on both sides.

Both Artur and Maria are interested in learning as much as they can about Pennsylvania and American forest practices. In late March, they attended the annual Forest Health seminar in Saint Mary's, PA. And in late October, both attended the SAF National Convention in Pittsburgh, and had a grand time; both of them have become member of the Society of American Foresters. Some Allegheny Society members may remember seeing these two, smiling young Polish foresters during the week's activities.

Maria, always eager to master more forest skills, elected to register herself for an arborist course at the Morris Arboretum, near Philadelphia, in July. She plans to put these skills to use in Poland, where she hopes to own her own nursery/arborist business. Artur would like to earn a doctorate in forestry from an American university, and eventually teach in this country. Both earned masters of forestry degrees from the *August Cieszkowski Agricultural University*, in Poznan, Poland.

At the end of the summer work season, in mid-November, we were able to place both interns with the Pennsylvania Chapter of The American Chestnut Foundation (PA-TACF) located at Penn State, in University Park, PA. The PA Chapter of TACF recently moved its headquarters from York, PA to Penn State and is still getting established in its new quarters. Artur and Maria are working with the PA-TACF's Regional Breeding Coordinator, Sara Fitzsimmons, inventorying various hybrid chestnut orchards throughout Pennsylvania, Maryland, and New Jersey. During inclement weather, they are assisting the office manager with organizing the new office by scanning old American chestnut publications and papers, cataloging old artifacts and preparing an access database for all this information.

As their departure date of February 2, 2007 draws

near, we marvel how a few questions about possible employment, spoken to Pennsylvania's Assistant State Forester Joe Fiedor, by two young, inquisitive Polish foresters, brought these two marvelous people into our lives for a very joyful year. It has truly been Christmas in February, and all year through. 🌲

International Student Dons International Orange



Outfitted with rifle and clothing borrowed from Pennsylvania Bureau of Forestry staff at Penn Forest Tree Nursery, Artur Prociuk, Polish forestry student intern, downed an eight-point white-tailed deer this 2006 season. He was hunting with Forestry Nursery specialist Jeff Kozar, who got a six-point buck the same day in the same area. Jeff had prepared Artur for deer hunting, teaching him all the safety aspects and arranged for him to take—and successfully pass—the PA Game Commission “Hunter Safety Course.” As a practicum, Artur assisted in groundhog control using a 22 rifle. Jeff and his son saw to it that Artur also learned to use the deer rifle, and with success, to field-dress, skin and prepare the carcass for butchering.

You might say Artur's practicum in deer-herd management was a natural step in his internship with DCNR-Forestry. As you read in the previous article, self-starters Artur, and Maria Nowicka, have taken every opportunity offered to expand their forestry education and experiences in Pennsylvania. What a wonderful year in the United States, albeit only in a small area on the east coast. We wish both of them success in their professional careers! 🌲

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Joint FRA Appalachian Forest Products Security Group and West Virginia SAF Meeting

Pipestem State Park, Pipestem, WV February 8-9, 2007
Forest Property Protection and Security
7.5 Category 1 CFEs

Thursday, February 8

10:00AM – 12 Noon	WV SAF Executive Committee meeting
12 Noon – 12:30 PM	Lunch on your own
12:30 PM – 12:45 PM	Welcome and self-introductions of all participants in the joint meeting; antitrust statement
12:45 PM – 1:30 PM	Overview of timber security issues, including red flags, fraud triangle, etc. (Joe Lancaster)
1:30 PM – 2:15 PM	WV Division of Forestry - Reorganization overview "focusing on its role in timber theft law enforcement" (Randy Dye or Dan Kincaid)
2:15 PM – 2:30 PM	Emerald Ash Borer update (Randy Dye)
2:30 PM – 3:00 PM	Break

Security Group breakout:

3:00 PM – 4:00 PM	Microsoft Office application for managing timber security and production records (Chris Elwell)
4:00 PM – 4:45 PM	Case study: Timber Theft by Diversion (Fran McDougal)
4:45 PM – 5:15 PM	Group Roundtable Discussion of timber security concerns.
5:15 PM – 5:30 PM	FRA Business meeting

SAF breakout session:

3:00 PM – 3:45 PM	Property protection issues surrounding T & E species on Blackwater and Cheat River watersheds (Donna Reckart, Allegheny Wood Products)
3:45 PM – 4:15 PM	Gas line safety (Jerry Hickman, ConsolEnergy)
4:15 PM – 5:00 PM	Presentation on meth labs (Scott Duff, Special Agent; Ohio Bureau of Criminal Identification & Investigation)
6:00 PM – 7:00 PM	Group social hour in a reserved room at Pipestem (McKeever) Lodge
7:00 PM	Group dinner, most likely in a reserved room at Pipestem Lodge.

Friday, February 9

6:30 AM – 8:00 AM	Breakfast on your own. There will also be pastries and coffee available in the meeting room.
8:00 AM – 8:45 AM	Use of a "low-end" security camera (Aaron Gilland)
8:45 AM – 9:30 AM	Security camera systems presentation – Digital Guardian (Terry Campbell)
9:30 AM – 9:45 AM	Break
9:45 AM – 10:30 AM	Case study TBA (John Casey)
10:30 AM – 11:15 AM	West Virginia Flood Litigation – Forestry Implications (Larry W. George, PLLC)
11:15 AM – 12 Noon	Preventing Theft & Vandalism: Gate and Lock Security (Bill Dempsey, Joe Lancaster, Terry Owen)

Lodging Reservations: Pipestem Resort State Park (1-800-CALL WVA or 1-304-466-1800); ask for Forest Resources Association room block & rate of \$54/night (plus tax) for a McKeever Lodge room; block held until January 21, 2007.

Send meeting registration and payment to: Steve Stasny, 56 Carter Road, Tioga, WV 26691 {304-742-6367} Due to logistics, no meeting fee reimbursements can be made after February 4, 2007.

Any questions concerning the meeting, contact: Joe Lancaster 304-392-1617 or Kirby Funderburke 304-392-1602

FRA Appalachian Forest Products Security Group & WWSAF Joint Meeting Registration

Name: _____ Email: _____
 Address: _____ Phone: (work/home) _____
 _____ Name on Tag: _____

SAF/FRA member	_____ @ \$50.00	Total \$ _____
Non-member	_____ @ \$60.00	Total \$ _____
Student	_____ @ \$33.00	Total \$ _____

Registration due January 21, 2007; make check payable to WV SAF
Send meeting registration and payment to: Steve Stasny, 56 Carter Road, Tioga, WV 26691

My Intern Training Led to Western Wildfire Fighting

By Damian L. Houseknecht, Penn State Forest Student Intern



At Penn State's Forestland Management Office (FMO) student interns have the chance to turn techniques learned in the classroom into hands-on experience. As a field forester intern during this past summer, I was afforded the opportunity to take some time off work to pursue hands-on experience in wildland firefighting. With help and advice from FMO's senior forester **Brent Harding**, I obtained the necessary qualifications and training to be eligible for either an Initial Attack or a

regular Type 2 hand crew for out-of-state assignment with the Pennsylvania Bureau of Forestry. After watching the National Preparedness [level of fire danger] climb to Level 5 – its highest rating – I welcomed a phone call on August 23, 2006. Within 15 hours, our 19-man crew was at Harrisburg airport awaiting departure.

Our destination was the Devil's Den Fire, approximately 125 miles south of Salt Lake City, Utah. By the time we arrived however, the 14,000-acre fire burning in pinyon and juniper pines, and gamble oak was almost 100% contained. For three days, our crew conducted fuel reduction along a roadway to help prevent any hotspots from gaining momentum and jumping the road. After completing fuel reduction, our crew was released, and assigned to the Rockland Fire just



outside American Falls, Idaho. Here, we finished the remainder of our 16-day assignment, completing a portion of direct line on the head of the fire, as well as mop-up duties on various divisions. This 3,500-acre fire was scheduled to be handed over to local fire departments for monitoring Shortly after our departure for home.

Having the opportunity to be a part of Pennsylvania Specialized Crew #6 was truly an incredible experience that has definitely 'sparked' my interest towards a possible career in wildland firefighting. For more information about wildland firefighting or how to become eligible for out-of-state assignments with the PA BOF, visit <http://psuforestmgmt.cas.psu.edu> or contact Brent Harding by phone at 814-865-6272 or by email at psuforestmgmt@psu.edu 🌲

Silviculture News

By Mary Ann Fajvan, Allegheny SAF Forest Science Coordinator

Thinning Hemlock Stands to Mitigate the Effects of Hemlock Woolly Adelgid

The hemlock woolly adelgid (HWA), *Adelges tsugae*, an introduced insect, is currently established in 16 Eastern States from Georgia to Maine and is causing tree decline and extensive mortality. Adelgids deplete hemlock's stored nutrient reserves causing a reduction in new shoot production in infested parts of the crown, followed by needle drop, branch tip dieback, and foliage thinning. Mortality commonly occurs in 2–12+ years. Hemlock is very tolerant of shade and typically is found in understory canopy positions as well as in the overstory. Dense hemlock understories utilize growing space that would be lost to less shade tolerant species, provide winter cover and vertical structure for many wildlife species, and maintain aquatic habitat integrity by shading streams. Hemlocks grow slowly even when young and at high densities can survive in repressed conditions for hundreds of years. Self-thinning is slow and canopy disturbance is typically required for accelerated growth to occur.

The extent to which the presence of other insects, site conditions and stand structure affect hemlock's susceptibility to HWA or vice-versa is still unclear. Cold temperature appears to be the primary factor that reduces HWA spread rate. Temperatures around -13°F , occurring in January or February, have been found to be the critical temperature threshold that significantly reduces HWA cold hardiness. Scientific and empirical evidence indicates that while healthy hemlocks are not less susceptible to attack, they do have a better chance of surviving longer than stressed trees (e.g., growing in

crowded conditions), increasing their chances for recovery. Hemlocks in dominant and codominant overstory crown class positions survive HWA longer than overtopped and intermediate class trees. Using silvicultural thinnings to reduce densities in overstocked stands would increase the vigor of residual hemlocks. In certain regions, the interaction of cold temperatures with improved vigor may give hemlocks a higher probability of surviving HWA.

There are few thinning studies that focus on reducing stand density to favor growth of hemlock. Trees growing in dense stands responded 60% better to thinning (from above and below) than stands that were understocked. Hemlocks previously growing in suppressed canopy positions tended to have better stem form and faster growth after release than open-grown associates of similar size. Age appears to be a minor factor in tree response, older trees typically respond better than younger ones unless a tree has been suppressed for so many decades (>60 years) that it has lost too much crown area to respond. Generally, hemlock can be thought of as a species that responds to environmental change based on its size (e.g. smaller trees can respond better than larger) and not its age. Evidence from thinned hemlock stands indicates that it can continue favorable volume increases through at least the age of 200.

New research is being conducted to determine whether thinning hemlock-hardwood stands 5+ years prior to the arrival of HWA will increase the survivability of hemlock when HWA eventually attacks a stand. Thinnings are being conducted to reduce stand densities in fully-stocked and overstocked hemlock-hardwood stands in northwestern Pennsylvania and southern New England. Thinnings reallocate fixed site resources among fewer stems increasing the amount of light, water and nutrients per tree.

Currently, all standard silvicultural guidelines for managing hemlock-hardwood stands are based on data from New England and the Lake States, and none of them address mitigating the impacts of HWA. These guidelines recommend that thinning operations should remove at least 25–30 ft^2/a , however, if stands are very dense (> 200 ft^2/a), basal area removal should not exceed more than 1/3 of the total in any given operation (Lancaster 1985). The objective of thinning is to remove competition around overstory and midstory hemlocks that are undamaged, healthy and have at least 30% live



Thinning was used to reduce the basal area in this hemlock-hardwood stand (23% hemlock basal area) from 197 to 95 ft^2/a . Original stem densities averaged 462 trees per acre.
Photo by Mary Ann Fajvan




Hemlock crown released by removing direct competitors on three sides through crown thinning.
Photo taken by Mary Ann Fajvan

crown ratios. Hemlocks with <30% live crowns are less likely to show a growth increase in response to the treatment. Because stand structures are typically spatially variable, a combination of low and crown thinning may be necessary to remove hardwood trees overtopping healthy hemlocks and to reduce density in hemlock clumps. Both commercial and noncommercial treatments are often needed. The prescription should allow each of the targeted hemlocks (crop trees) to have a crown release on at least 2-3 sides. 🌲

Note: This article was compiled from many published sources. Please contact Mary Ann Fajvan for additional information on current thinning studies and on related topics mentioned in this article (mfajvan@fs.fed.us).

For stocking charts and additional information on thinning hemlock stands:


Lancaster, K.F. 1985. *Managing Eastern Hemlock: A preliminary guide*. USDA Forest Service. Northeastern Area. NA-FR-30. 5 p.



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Coming Events

February

8-9 Joint FRA Appalachian Forest Products Security Group & WV-SAF Meeting, "For. Property Protection and Security", Pipestem St. Pk., Pipestem, WV. Kirby Funderburke at 304-392-1602

13-15 Allegheny SAF Winter Meeting, "Forestry: Sustaining the Resource, the Industry and the Profession in Changing Times", Clarion Hotel, Hagerstown, MD. Michael Kay at 301-473-8417

March

15 **Deadline for articles and photos for the Spring 2007 issue of *The Allegheny News*.** Send articles in Microsoft Word format and photos in JPG format to editor Jack at ansaf@verizon.net

21 PA Tree Farm Inspector Certification Training at PSU Forest Resources Building, 6:00-9:00 pm. David Jackson at 814-355-4897 or drj11@psu.edu

April

3 & 5 PA Tree Farm Inspector Certification Training, 9:00-12:00 noon. See details in the article on page 11.

June

15 **Deadline for articles and photos for the Summer 2007 issue of *The Allegheny News***

September

1 Election ballots for Allegheny SAF officers should be in your mail. Please take the time to study the candidates' bios and VOTE!

15 **Deadline for articles and photos for the Fall 2007 issue of *The Allegheny News***

October

23-27 SAF National Convention in Portland, Oregon. Mark your calendar now!

31 **Deadline for returning the 2007 Allegheny SAF officer election ballot**

Future Allegheny SAF Meetings

Summer 2007 - NJ Division
Winter 2008 - Keystone Chapter

Future SAF National Conventions

2007 - Portland, OR, October 23-27
2008 - Reno, NV, November 5-7

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