

This issue contains:
Winter Meeting Annoucement

**WINTER 1983** 

# Allegheny News Allegheny Society of American Foresters EXECUTIVE COMMITTEE

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KENNEY P. FUNDERBURKE, JR., P.O. Box 577, Rupert WV 25984

#### FOREST SCIENCE COORDINATOR

SCOTT BILLS, 315 Chestnut Street, Middlesex, NJ 08846

#### **EDITOR**

DAVID R. EDELMAN, RR 1, Box 999, Franklin, NJ 07416



The Allegheny News is published three times a year by the Allegheny Society of American Foresters.

Its circulation reaches more than 1200 members.



## **Notes From The Chairman**

#### **House of Societies Delegates Report**

First of all I want to bring you up-to-date on the activities of the HSD. Bob Martin and I were in attendance and this year for the first time the meeting adjourned at 3:00 p.m. on Saturday instead of 5:00. We must be getting more efficient! The following items were discussed, some in great length, and put in a priorities to the council for action.

#### **High Priority**

- 1. Position on FY1985 Forest Service budget.
- 2. Budget Committee Report on SAF 1984 budget.
  - a. Revise present SAF operating capital reserve (which is currently two months reserve) to 3 months reserve in 1984 and 4 months reserve in 1985.
  - b. Establish a specific line item reserve account for replacement of short-lived items at national headquarters.
  - c. To present to the 1984 HSD meeting, a capital expenditures budget along with explanatory notes as to funding. Present funding of this account utilizes funds from depreciation and amortization.
  - d. Prepare a real estate and FFE schedule of maintenance and renewal in order to support (b) above and safeguard current investments.
- 3. Certification program for professional foresters.
- 4. Position statement on capital gains treatment of timber.
- 5. Office of Personnel Management (OPM) revise the qualifications standards for forester.

#### **Medium Priority**

- 6. Develop a state societies chairmans' handbook.
- 7. Publication delays in items sent to the Journal of Forestry.

#### **Low Priority**

- 8. A newsletter to state society officers.
- 9. Flagpole project at national headquarters by National Capital SAF.
- 10. Councilman's term of office when fulfilling an unexpired term and being re-elected.

A couple of items of interest is that the **Journal of Forestry** will have a new cover and format starting in 1984. I liked what Jay Heinrichs, Editor, showed us. He also said that he desperately needs items for "My Chance". Finally, Al Childs from Maine was elected chairman of the HSD for 1984.

#### Two Year Reflection

On February 4, 1982, in Cape May, New Jersey, I had the honor of being installed as the chairman of the Allegheny Society. Little did I know what a great task to preside over our 1,200 member organization would be. However, the workload was reduced drastically because many of you quickly pitched in to fill committee assignments and perform your tasks when asked to do so. I got very few "no, I can't help" answers. In reviewing the goals established two years ago at that Cape May meeting, I find that most goals were met. For example, all committee chairmen were asked to prepare a committee charter. All but one responded positively with a charter. Approximately 10% of the Allegheny membership is involved with committees. My thanks to all committee chairman and their respective members for accomplishing this monumental task. I kept my promise of updating the Allegheny Operating Manual ably started by Ken Funderburke. This is a great help to all Allegheny/Division/Chapter officers as a ready reference for Allegheny functions. The popular chairman's prayer breakfast of George Kemp has continued during the past two years providing spiritual guidance for some members. Bob Martin did yeomen work on the thankless membership committee which showed a membership increase for the Allegheny Society again meeting an established goal.

The Foresters Fund was enhanced through efforts of the Allegheny Society and its divisions and chapters. Thanks to all of you who made this possible.

The goal of our first regional forest science technical conference will come to fruition at this year's annual winter meeting. General chairman Bob Rumpf and his committee has worked hard with the National Capital society to provide us with an excellent technical session and continuing forestry education credits for those that attend. Watch your mail for complete program and registration forms. The meeting is scheduled at the Gettysburg Sheraton Inn, on February 22-24, 1984.

Finally, a task force was formed to investigate the feasibility of establishing an Allegheny continuing education fund. The task force reported to the executive committee on September 20th and the report was accepted with one minor change. That was the easy part. The difficult part is to develop the program

#### Notes From The Chairman (Cont. from page 1)

and procedures, get the word out to all members, and finally raise \$ 10,000 for an endowment. This has not been completed. All of you will once again be asked to support the Allegheny financially. I have faith in all of you that you will respond positively with gusto.

I have enjoyed working with you and I hope that you will give incoming chairman, Bob Martin, the support you gave me.

See you in Gettysburg!

Ron Sheay

## People

#### NA 160 NA

Anne S. Fege has joined the staff of the Northeastern Forest Experiment Station in Broomall, Pa., as assistant director for planning and applications. Fege was selected for the position by USDA Forest Service Chief R. Max Peterson.

Prior to this appointment, Fege conducted research at the University of Minnesota, St. Paul, on the physiology of hybrid poplar

propagation, carbohydrate utilization in young trees, and the evaluation of research programs. Fege's experiences also include managing a \$ 5.5 million research program for the Department of Energy, Washington, D.C., to increase the production of biomass for energy. She has also served in a staff capacity with the Council on Environmental Quality and the Energy Research and Development Administration. For several years, Fege managed a consulting company, which served clients ranging from the state of California, National Forest Products Association, and European organizations, to various federal agencies.

Her academic background includes a B.S. degree from Kalamazoo College, Kalamazoo, Mich., where she was elected to Phi Beta Kappa, a Master of Science degree in forestry from Yale University, and a Ph.D. in plant physiology from the University of Minnesota, St. Paul. Additionally, she spent six months at Friedrich Alexander Universitat in Erlangen, Germany, and traveled to Sweden in 1979 on a fellowship from the Swedish Institute to study wood energy programs.

Fege is a member of the Society of American Foresters, the Association for Women in Science, and the American Society of Plant Physiologists.

She and her husband, David, an economist, reside in Wayne, Pa.

**Dr. Stanislaw J. Tajchman,** Professor of Forest Meteorology in the Division of Forestry at West Virginia University, has recently been appointed by the National Oceanic and Atmospheric Administration the State Climatologist for West Virginia.

Tajchman, a native of Poland, graduated in Physics and has obtained an M.Sc. in geophysics from the Warsaw University, and a Ph.D. in Meteorology from the Ludwig-Maximilians University in Munich. He does research and teaching in Forestry and Meteorology related fields. His present research is in topoclimatology and potential bioproductivity of forest sites in the central Appalachians.

\* \* \* \* \* \* \* \* \* \* \* \* \* \* \* \* \*

Two faculty reassignments have recently occurred in the West Virginia University Division of Forestry. Norman D. Jackson, Professor of Wood Science, has assumed responsibilities as Assistant Director for Teaching. Professor Jackson has served as Assistant to the Director in the Division of Forestry since 19 . Dr. Harry V. Wiant, Jr., Professor of Forestry, has taken new responsibilities as Assistant Director for Research.

Dr. Jack E. Coster, Director of the Division of Forestry, said that the appointments will better serve Forestry's teaching and research programs. Forestry research programs in particular, have grown steadily over the past 3 years and the need for stronger planning and coordination with teaching programs has become apparent. "There are about 500 students majoring in programs in the Division" Coster said. "The Students may select degree programs in forest management, wood industries, wildlife management, or recreation and parks management. We also have graduate degree programs in all of these areas."

Jackson and Wiant will continue their teaching and research activities.

\*\*\*

Dr. Warren T. Doollttle from the Washington, D.C., suburb of Haymarket, Virginia, was awarded the prestigious John A. Beale Memorial Award by the Society of American Foresters. The presentation took place during the Society of American Foresters 1983 National Convention in Portland, Oregon.

Doolittle was presented the award for his many years of effort in promoting forestry through volunteer work with the Society.

Doolittle, who holds bachelor's, master's and Ph.D. degrees in forestry, is a well-known forest researcher and former Associate Deputy Chief of Research for the USDA Forest Service. Throughout his long forestry career, Doolittle has been active in the SAF. He has served as chairman of local units of the Society, served on the national governing board (the Council) for two terms, and has been active in a number of committees and task forces over the years. Doolittle was elected Fellow of the Society in 1978. He has also received Forester of the Year and Outstanding Service to Forestry awards.

Currently Doolittle is volunteering his time to help coordinate the efforts of the International Society of Tropical Foresters, working with forestry professionals worldwide.

\*\*\*\*

Mr. Robert E. Driscole is the Division of Forestry's new Forest Manager. Driscole, a native of Pennsylvania, was the Resident Forester for the Penn State University forest prior to joining WVU. As WVU Forest Manager, he will be in charge of all teaching, research, and demonstration activities on the 10,500 acres of forest land managed by the Division of Forestry. The largest forest is the 7,900 acre University Forest located on Chestnut Ridge east of Morgantown.

Mr. and Mrs. Driscole and their two children will reside at the University Forest Headquarters.

\* \* \* \* \* \* \* \* \* \* \* \* \*

Kevin M. Dodge has been awarded the Westvaco Doctoral Fellowship for the 1983-84 year. The fellowship is awarded annually by Westvaco to a doctoral student in the Division of Forestry. The Garner, Kansas native received his B.S. at Southwest Missouri State University, and his M.S. at Michigan Technological University. Dodge, under the supervision of Dr. Robert C. Whitmore, will work on a project Whitmore began in 1976, exploring the effects of forest management practices on wildlife. Field work will be conducted at the Fernow Experimental Forest near Parsons, West Virginia as well as in several areas in the surrounding Monongahela National Forest, and will concentrate on the responses of several bird species to timber harvesting techniques in different forest types. Whitmore and Dodge hope to provide information useful to forest managers trying to achieve high timber yields while maintaining quality wildlife habitat.



#### **Obituary**

Otto W. Kunkel of Pennington, New Jersey, forester with the New Jersey Bureau of Forest Managment died August 19, 1983. He was 65 years of age.

Otto graduated from the College of Agriculture at Rutgers in 1940, and did graduate work at the Yale University School of Forestry. He served in the South Pacific with the Army during World War II. Otto was employed by the New Jersey Bureau of Forestry in 1949 as a District Forester and for the past several years, he had been Principal Forester in charge of the Bureau's new forest tree nursery at Jackson and the tree improvement program.

In 1976, he received the award of Outstanding Conservationist in New Jersey given by the Association of Natural Resources Districts, and is the only forester in New Jersey to be so honored. He was chairman of the Shade Tree Commission in his home town of Pennington, a member of the Flemington Rotary Club, and a member of the New Jersey Forestry Association.

He was active in the Society of American Foresters since he joined SAF in 1954. He was past chairman of the New Jersey Division and served on numerous SAF committees.

Surviving are his wife, Pat, six daughters, and five sons. Memorial contributions may be made to the Pennington First Aid Squad, Pennington, New Jersey 0B534.

Stephen E. McDonald took up his new duties as Forest Management Staff Director in Broomall in August. McDonald came to NA from the Washington Office, where for the past three years he served as firestation and tree improvement specialist with the Cooperative Forestry Staff, State and Private Forestry.



McDonald, a native of Lewiston, Idaho, has more than 20 years experience with the Forest Service and holds bachelor's, master's and PH.D. degrees in forestry. Much of his career has been spent in the Far West.

Following graduation from the University of Idaho, he joined the Forest Service as a timber management assistant on the Clearwater National Forest, Idaho. His next assignment was at the Coeur d'Alene Nursery, Idaho. For five years prior to his most recent job in Washington, he served as western nursery and greenhouse specialist with State and Private Nursery in Denver, Colorado.

He has authored or co-authored more than 40 publications pertaining to reforestation, tree seedling culture and nursery operations.

As Forest Management Staff Director, he succeeds Ed Vandermillen, who transferred to Milford, Pa., where he is director of Grey Towers.



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#### **1984 JOINT WINTER MEETING**

#### February 22-24 Gettysburg, PA

"Planning for High Technology Forest Management"

The Allegheny Society and the National Capital Society will join together for a joint Regional Technical Conference early in 1984.

Plans are now underway for this meeting which will be held in Gettysburg, Pennsylvania on February 22-24, 1984. The easy to reach location, the excellent facilities of the Gettysburg-Sheraton coupled with reasonable rates, and a top notch program being developed by Dave Marquis and Karl Bergsvik and their program committee all combine to make this one meeting you will want to be sure to attend.

Together with a look at "Planning for High Technology Forest Management" and what it will mean to you in the years ahead; the traditional activities of the Reginald Forbes Art Contest, a prayer breakfast, displays and lots of good fellowship will make this meeting a must.

Mark February 22-24, 1984 on your calendar and plan to attend the Joint Regional Technical Conference of the Allegheny and National Capital Societies, SAF. Registration forms will be mailed the first of the year. Contact Bob Rumpf if you have questions or for further information, (address inside back cover).

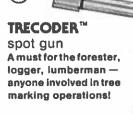
#### Other

## Important Meetings



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#### 1984 Penn State Forestry Issues Conference

Forest Management and Water Quality. March 13-14, 1984, The Pennsylvania State University, University Park, PA. Sponsored by The School of Forest Resources and The Cooperative Extension Service. The Conference is designed for forestland managers involved in resource management activities that may effect water quality. Invited speakers will discuss terminology and legal concerns, impacts of and solutions for various forest management activities and special water quality situations that managers may encounter. Contact: Agricultural Conference Coordinator, 409 J. O. Keller Building, University Park, PA 16802. (Phone (814) 865-9547) For information on program content, contact: Forest Resources Extension, 110 Ferguson Bldg., The Pennsylvania State University, Unversity Park, PA 16802 (Phone (814) 863-0401)

#### Oil & Gas — Forestry Meeting

A symposium for management and technical personnel of the petroleum and forestry industries of the Northeast will be held on January 11 and 12, 1984 at Camp Allegany on Allegany State Park in Salamanca, New York. The purpose of the symposium is to consolidate the formation of the Northeast Petroleum - Forest Resource Cooperative (NEP—FRC) by identifying the educational/training needs for personnel of the two industries. The focus of the symposium and of NEP-FRC will be the improvement in efficiency, performance and environmental conflict reduction at the interface of forestry and petroleum development.

For registration application, contact:

Dean John Yavorsky School of Continuing Education SUNY College of Environmental Science & Forestry Syracuse, New York 13210 (315) 470-6891

#### From

#### the desk of

#### Councilman Funderburke



Fortunately for me and our newsletter editor the Agreement For The Resolution Of The Dispute Between The RNRF And The SAF was published in the September issue of the Journal of Forestry, saving us both the need to go into the details of that agreement. There are a number of things that are important for the membership to understand about this agreement and one of the most important is the fact that this is an agreement in principle. The agreement was signed by our respective negotiators on June 29, 1983. SAF Council met July 14 and the RNRF Board met July 20, each approved the agreement.

The special July Council meeting, held at O'Hare Airport in Chicago, was called specifically to discuss the agreement. Only two Council members were unable to attend the meeting. President Borden began discussion on the agreement by outlining four general principles that guided SAF's negotiators in its development: 1) the desire to own the Grosvenor Mansion, Carriage House, and 10.75 acres: 2) the need to protect SAF's investment in the property; 3) to protect the integrity of the site for the development of a renewable natural resources center; and 4) that SAF does not want to be in the real estate business. There was lengthy and detailed discussion of the agreement with the Council ultimately voting to approve. You should know that for a variety of reasons, I and Councilmen O'Donnell and Fiske voted against approval. The final vote was 9 to 3.

Following that vote President Borden appointed an Implementation Committee consisting of Bill Towell as Chairman, Chandler St. John and myself. Our committee has a responsibility to work with the attorneys in drawing up each of the necessary specific agreements that will implement the agreement in principle. These agreements will be prepared and presented as a package to the full Council for their approval. Since the appointment, that committee has met on two occasions at the National Headquarters in Washington and once during the Portland meeting. We appear to be progressing toward final resolution.

The membership may have noticed that the initial agreement called for final legal documents to be executed before August 1, 1983. At the July Council meeting Council voted that there would be no final dicisions or Council ratification of final documents until the membership had an opportunity to see the agreement.

At the July meeting Council also approved the establishment and publication of the Northern Journal Of Applied Forestry. The first issue is to be published as an insert to the Journal of Forestry in March 1984.

Council met again in conjunction with the National Convention in Portland, Oregon. The convention was well done and well attended with over twenty-four hundred people participating. The Council at its meeting, which is normally somewhat abbreviated during the convention, considered eight forestry school accreditations. After receiving detailed visit reports from the Accreditation Committee the Council voted to approve six and disapprove two accreditation actions.

We also approved the charter of the "Task Force on Development of an SAF Certified Professional Forester Program". The charge of this Task Force is to determine whether there is adequate professional interest and public benefit to justify an SAF sponsored program for certifying the competency of practicing professional foresters and if so to evaluate alternative systems for instituting such a program.

Because of their very substantial efforts on behalf of SAF, Council approved a contribution of \$10,000 to the Mediation Insitute. It was the Institute's personnel who were instrumental in bringing the dispute between RNRF and SAF to a satisfactory conclusion and SAF had not provided any funds to the Institute which operates on grants and special funding.

I am very pleased to report that SAF membership at the end of September stood at 20,073 which was an increase of 281 over the preceding month and represents a net increase of 476 since September 30, 1982.

Council will be having its regular fall meeting as this newsletter is in preparation. I hope to be able to bring you up to date on Council activities at the winter Allegheny Society meeting.

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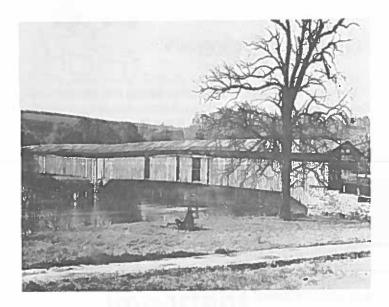
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## Allegheny Reflections



"Some favorite recollections of youthful days take me back to the Maine woods of the 1920's. And high on this favored list is the memory of unbroken months at a time that I spent with a small party of timber cruisers camping along the upper reaches of the Allagash and Penobscott Rivers. It was the beginning of my life's work as a professional forester.

Each of the countless campfires that we kindled served its purpose and was then extinguished. No trace of them remains to suggest we ever passed that way. In memory, however, these fires are easily rekindled, and they recall to mind many incidents of life as it used to be in the Maine woods."

These are the words with which George S. Kephart begins the preface of Campfires Rekindled, his fascinating historical and largely autobiographical story of logging and life in northcentral Maine where, following his graduation from the School of Forestry at Cornell in 1917 and service with a logging and sawmill regiment in France during World War I, he gegan a period of ten or eleven years as a paper company forester. Later he was to spend thirty years with the Bureau of Indian Affairs out west, but this book describes situations with which Allegheny foresters can easily identify, and it is recommended as good reading.

There are many descriptions bound to cause waves of nostalgia to sweep over readers who have worked or camped under spartan conditions in the north woods anywhere from New England to the Lake states. There is a wealth of historical information about the hardships of life in the logging camps, along the streams during log drives, of tenting in winter, and of travel in a largely roadless wilderness. The ingenuity of those determined men and women was amazing.

Portions of this little volume appeared in the October 1976 issue of the Journal of Forest History, and the book was reviewed in the Journal of Forestry in August 1978, the year it was published. You may also read about it in the Journal of Forestry this fall, and it was displayed at the recent SAF Convention in Portland.

The author speaks of four seasons - The Breakup, Fly Time, Fall, and Snow Time - and he has no kind words for

the punkies, mosquitoes, and black flies of Fly Time. But fall and winter were different: fall with its "spendor of fall coloring" and "a sense of wonderment akin to awe," and these words about winter, "Heavy snowstorms cast their own spell upon the forest."———"The sense of perspective is partially destroyed."———"The voices of wildlife are stilled, and the deepening snow absorbs all other sounds until a strange, somehow disturbing hush descends upon the forest."

Mr. Kephart's description of his crew's provisions is far less poetic and appealing: "Salt pork, some bacon, lard, flour, cream of tartar, baking soda, rice, dried beans, potatoes, dried fruit, coffee, tea, sugar, molasses, condiments, canned milk, canned tomatoes, candles, and a sprinkling of cocoa for special occasions." He speaks of solitude, and balsam beds, coon hunts, logging camp construction and sanitation, and the ingenious Tramway built to transport logs over half a mile from one watershed to another-from Eagle Lake to Lake Chamberlain.

The book is spiced with diary entries and observations, such as:

"September 2, 1919: Left Bangor with Mr. Shepard after a month downriver...Had lunch at Shin Pond and then hiked 16½ miles to Deep Cove on Grand Lake, with heavy pack. Motorboat to Trout Brook Farm and spent the night there."

"September 3: Trout Brook Farm to Chamberlain Farm with Dave Hannah, Bill Eggleston, two others. Rained all day. About nine miles by canoe, the same afoot, and twelve by motorboat. Saw my first moose - a cow - on Webster Brook. Stayed at Chamberlain Farm."

"One pulpwood camp, typical of its day, lives in my memory...Jerome Thurlow...was the company Walking Boss - a sort of field general in charge of several pulpwood camps. Jerome looked upon me, a forester, as one of the company's newfangled notions, to be tolerated but not welcomed in the woods."

Scattered throughout the book, and explained, are names, and places, and equipment, and terms largely unknown to modern foresters: fascinating names like "crooked knives," "headworks," "tea pole," "jab stick," "hook'n snibby," "muzzle-loader bunk," and countless others.

In his postscript, and most philosophical chapter, this long-time forest manager reflects on the increased public interest in the environment, and he advances the thought that perhaps modern society is attempting to run counter to some fundamental laws of nature, "the survival of the fittest" for example. It is of more than passing interest that one who began his career as a recognized interloper in his environment, struggling against it for mere survival, should have come to an awareness of its fragility and to be a leader and spokesman in its defense.

There are several glimpses into the heart of the author and into the hearts of all who really love the out-of-doors. One of the most beautiful, I think, is this excerpt from a discourse on campfires:

"After supper, when the evening chores are finished, this best of all fires becomes your sylvan companion and confidant as you sit beside it to plan for the following day. Then, gradually, your tent, the forest, and all other things

#### Allegheny Reflections (Cont. from page 6)

retreat into the darkness, so you and your fire can commune in private...Then your thoughts range far and wide - back to former days and far ahead into the unknown future."

"You can see a million miles deep down into the pictures forming in your fire...Peace and contentment, hope for the future...are all merged in your thoughts."

"...and you give thanks...to the Creator who has seen fit to make you an infinitesimal part of it all."

This little 146-page gem has about 40 old photographs and several maps and drawings, and you can get a copy by sending \$5.00 to SAF.

#### Northern Journal Approved

The go-ahead has been given for publication of a "Northern Journal of Applied Forestry." John Gill, past editor of "Wildlife Management," has been named editor of the "NJAF." He is located at Amherst, Mass, until January 1, 1984 at which time he will move to Morgantown, W.Va. The First issue should be out in April, 1984, and will concentrate on the state-of-the-art of artificial regeneration. Your dues statement from National contains a place to check if you wish to subscribe to the "NJAF."

#### SDR

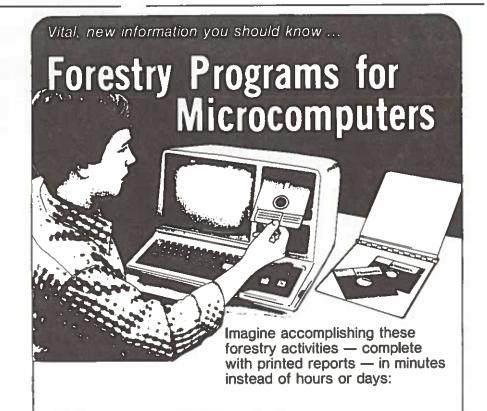
More than a dozen low to medium density hardwood species go unused because of warping and twisting when dried. Typical are such species as yellow-poplar, aspen, eastern cottonwood. sycamore. blackgum, black willow, basswood, soft maple and sweetgum. Universities, private firms and the USDA Forest Service are conducting trials on a process that enables better utilization of these hardwoods.

The process they are testing, which greatly reduces the warping and twisting problem, is called Saw, Dry and Rip (SDR). It was developed in 1978 by wood technologist Hiram Hallack, now retired from the Forest Service's Forest Products Laboratory in Madison, Wisconsin, SDR combines a special sawing technique with high-temperature drying.

SDR produces higher quality lumber than conventional processing and it uses less energy. Further, it can provide savings in transportation because 75 percent of the U.S. population lives east of the Rockies, where 80 percent of new housing and light frame construction occurs, and where 90 percent of the hardwood arows.

While gaining in popularity, SDR has not taken the lumber industry by storm. The depressed economy has hurt the building market and manufacturers tend to be reluctant to try something new. Time may lower these barriers, however, so that SDR can become generally accepted as a viable alternative to softwood.

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### **Division and Chapter News**

#### **Maryland-Delaware Division**

The Maryland-Delaware Division held their 1983 summer meeting at Meadow Mountain Conservation Center in Garrett County, Maryland. The novel overnight meeting featured two days of activities, including a trip to the Appalachian Environmental Laboratory at Frostburg State College. At AEL participants were given a tour by professor Kent Fuller and listened to various lectures on wildlife, forestry, fisheries and forest genetics research. The second day's highlight was a Westvaco Resources Tour of their restoration and reforestation projects, plus a side trip to Rocky Gap state park.

Highlights from the chapter's business meeting reflect that: the second annual seedling sale was held in shopping malls in Pasadena and Salisbury, Maryland; membership was increased in the division to 139 members; John Kundt was appointed as the SAF representative on the tour for legislators committee, a coalition of forestry interests.

Most importantly, a legislative battle to continue the Board of Registration for Professional Foresters was won with the active participation of the SAF throughout the year. This ensures the board's continuance for another ten years, and aids in discouraging the unqualified from practicing forestry. An attempt to increase the fees for registration to \$130/year was also defeated.

The Maryland-Delaware Division will serve as co-hosts with the District Division at the winter meeting of the Allegheny SAF at Gettysburg in February, 1984.

Robert C. Webster

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Recently elected officers of Valley Vorge Chapter, SAF—L to R. Daniel Kucera, USFS, Vice Chairman; Douglas Powell, USFS, Chairman; John L. Bearer, Pa Bur. of Forestry, Sec/Treas.

#### **Valley Forge Chapter**

On October 6, 1983, Lloyd Casey of the U.S. Forest Service presented a microcomputer workshop for the Valley Forge Chapter at Delaware Valley College in Doylestown.

First, the 21 participants collected cruise data on one of the college's woodlots. Next we went inside and took turns familiarizing ourselves with the Apple II Plus microcomputer by running a tutorial program called Apple Teaches Apple. After we had the basics down, Lloyd helped us process our field data using Cruise, a data summary program.

We also had a chance to try out VisiCalc, a popular spread sheet program. Johnny Warnock, also with the U.S. Forest Service, used an Osborne microcomputer to demonstrate a forest management program which Lloyd developed using the word processing program, WordStar.

Each participant was given a packet containing information on criteria for selecting a microcomputer and software for forestry applications. All were invited to make appointments to visit the Forest Service office and work on the Apple.

The workshop was so well received that Lloyd was invited to present a similar program to the Pinchot Chapter the first week in November.

Nancy Veronesi

#### Pennsylvania Division

On September 15th and 16th, 1983, eighty-five Foresters and Wildlifers from the Pennsylvania Division of the Society of American Foresters and the Pennsylvania Wildlife Society, met to view and discuss the impact of forest management practices on wildlife habitat.

The group viewed intermediate cuts and herbaceous opening practices on the Susquehannock State Forest, reproduction cuts, recently created openings, and electric deer proof fencing were seen on Hammermill Paper Company lands in Potter County and State Game Lands #30 in McKean County was visited to view thinnings and reproduction cuts and to discuss the dove-tailing of forest management and wildlife management activities.

A luncheon at the Potato City Motor Inn near Coudersport and a steak cook-out at Hammermill's Research Forest provided ample time for informal discussion of the day's events.

The participants in this first joint TWS/SAF Meeting gained new appreciation for the scope and complexity of the resource manager's problems. In order to realize harmonious forest and wildlife management goals a sincere effort to communicate and work together is essential. This meeting allowed many of us to lay the foundation for future communication and cooperation.

John Sidelinger

#### **West Virginia Division**

Members of the West Virginia Division of the Allegheny Section, Society of American Foresters, met at Pipestem State Park on September 22-23, to explore the Future of forestry in West Virginia and compare the profession in this state with International Forestry situations.

Dr. Eugene Wengart, Professor of Wood Utilization at VPI and SU opened the program by predicting wood products that are likely to change the demands for Appalachian hardwoods. Oriented strand board, for example, has the potential to successfully compete with plywood, and yellow poplar may replace Canadian Spruce as construction lumber.

The study of future technologies continued with Neil Lamson and Edward Adams, both with the Forest Service, U.S.D.A., exploring future computer applications in both the woods and the mills. Dr. William Stuart, VPI and SU, reported on equipment for the future and the present backlog of needed investments in logging machinery.

Speakers expert in International Forestry then provided the opportunity to compare the Profession of Forestry in West Virginia with Africa, Europe, and South America.

Dutch Forester Roel Brancl, now employed by WEST-VACO Corporation, described the practice of Forestry in the Netherlands. With little forest land and extremely high population density, the Dutch people greatly value their forests and apply intensive forestry techniques.

A great contrast was described by Dr. Edwin Grafton, head of the forestry program at Glenville State College. Dr. Grafton has just returned from helping organize a forestry school in Zimbabwe, Africa. That country mixed modern reforestation technology with traditional hand labor.

Kenny P. Funderburk, Sr., Manager of WESTVACO West Virginia Woodlands, brought an industrial perspective to world forestry by telling of his experiences in introducing



Kenny Funderburke, Sr. (Left) and Tony Mollish, Chairman of the WV Division on the right. Coucilman Funderburke is shown briefing the WV Division on the status of the National Headquarters.

modern forestry to Brazil. Mr. Funderburk spent five years establishing a major WESTVACO operation in that country.

James Patric, retired from the Forest Service, U.S.D.A., described the forestry program of the Peace Corps around the world.

The meeting was conducted by Chairman Anthony "Tony" Mollish from WESTVACO in Rupert, West Virginia. Continuing education is an important mission for the 200 member West Virginia Division of the Society. The groups members include foresters and technicians who work in Research, Forest Management, Engineering, Surveying, Teaching, Public Relations, Computer Science, Soils Hydrology, and the many other related disciplines necessary to wisely manage our nation's forests.

At the business meeting, the group reviewed recent policy statements, and progress on the gypsy moth information project and the Ralph Waite campaign.

Plans were started for hosting the Allegheny Section Summer Meeting at Canaan Valley State Park in West Virginia on July 18-20, 1984.

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#### Plateau Chapter

The summer Chapter meeting conducted in conjunction with the Northern Hardwood Chapter and the Pa. Chapter of the Wildlife Society was held at Potato City, September 15-16. Emphasis was on wildlife aspects of timber management, regeneration, and wildlife habitat development on State Forests and lands of Hammermill Paper Co.

The Iowa State University Summer Class of the Forestry School was headquartered at Cherry Tree camp on the Allegheny National Forest for eight weeks in June and July. In addition to field practicums, an opportunity to view area forest management techniques and problems, and a broad spectrum of forest industries in the Chapter area was made possible by the cooperation of a number of Chapter forest management personnel.

Dave Miller, A.C.F., Chapter Chairman, attended the Practicing Foresters Institute at Durham, N.H., October 16-20.

#### **New Jersey Division**

The Division will sponsor a contest for newspaper articles. These forestry or related articles will be placed in newspapers by the NJ Division and provide information to the public about forestry in NJ. The winner will receive one years dues paid in full.

A short course for woodland owners held recently at Cook College, Rutgers University, was an overwhelming success! Sponsored in cooperation with the NJ Bureau of Forest Management and the NJ Tree Farm Committee, the all-day conference drew over 200 attendees. A wide range of topics were discussed ranging from the economics of forest management, to special tax treatment for forestry activities, to alternative and multiple-use practices for the private woodland owner. A possibility exists this could be held again next year, depending upon the results of a survey conducted at meetings end.

#### **Pinchot Chapter**

The Pinchot Chapter met on November 4, 1983 at the Milford Reservation in Milford, Pennsylvania. Members (including 3 from the New Jersey Chapter) and guests were given a tour of the Milford Reservation Environmental Education Center. The building, which was constructed with the latest state-of-the-art passive solar technology, sits above a beautiful lake in an isolated wooded area and is an excellent site for environmental conferences.

The business meeting was conducted by out-going Chairman, Craig Porter. During the meeting the results of the recent election were announced. The membership selected Tom Ellis as Chairman, Al Knox as Vice-Chairman, and Sam Rhody as Secretary-Treasurer. Due to other committments, however, Tom will not be able to serve as Chairman, so Al Knox assumed the office immediately. A Vice-Chairman will be appointed by the Executive Committee as per Chapter by-laws, and the name of this individual will appear in a future issue of the Allegheny News. The outgoing officers, Craig Porter, Tom Ellis, and Al Knox did an outstanding job over the past two years, and we all wish Al and Sam Rhody the best of luck in the future.

One of our guest speakers was Mr. Don Heverling, President of Lebanon Valley Timberlands. Don presented an excellent slide show describing the scope of services he provides as a consulting forester. This information was particularly interesting in view of the fact that the majority of the members of the Pinchot Chapter are either federal, state, or industrial foresters.

After a fine lunch catered by the staff at the Milford Reservation, Mr. Lloyd Casey and Mr. Bill Hager of the U.S. Forest Service in Broomall, Pa. conducted a microcomputer workshop to illustrate applications to forestry. Bill provided introductory information in microcomputers and demonstrated the various pieces of hardware on display. Lloyd then gave each member cruise data on a 30 acre stand (that he and Al Knox had tallied previously) and asked for volunteers to enter this information into the computer. The program used was "Plot" which is available from Forestry Suppliers, Inc. Based on the computer print-out a forest management plan was developed.

Jim Winch



Northern Hardwood Chapter ?

Western Gateway Chapter ?

Keystone Chapter

Rothrock Chapter ?

#### Allegheny Society Leadership Workshop

A Leadership Workshop will be held prior to the Annual Allegheny Society Winter Meeting at the Sheraton-Gettysburg in Gettysburg, Pennsylvania. This session will be from 1:00 P.M. until 5:00 P.M. on Wednesday, February 22nd, 1984. The session will be open to all members and will be especially helpful to elected officers and appointed committee persons.

The Workshop is designed to provide an orientation to Society of American Foresters leadership and will include a variety of topics important to both Allegheny Society and Chapter leaders. Our objectives are:

- 1. Exchange ideas, opportunities, and problems;
- Acquaint participants with National, State and Chapter leaders:
- 3. Discuss your job, your objectives;
- 4. Become motivated:
- 5. Work as an effective group;
- 6. Help each of us "get our money's worth."

Information on the Workshop, including registration forms, will be sent to your Chapter Chairperson in early January. Plan now to attend. If you don't receive registration information by mid-January, please contact your Chapter Chairperson or me.

Bob Martin Chairman-Elect

#### **Murphy's Laws of Logging**

- The laws of nature are obviously enacted without government input.
- Falling trees never hit the right pickup.
- Bid opening is where the winner loses, or the losers win.
- New logging methods used by others only work on other iohs.
- An idle machine will not be needed until moved to another job.
- Any machine will break down if enough improvements are made to it.
- Warranties expire upon payment of the invoice.
- Leakproof seals will. Interchangeable parts won't.
- The boss will find the solution as soon as the problem no longer exists.
- Things will get worse just before they get worse.
- You can't fall out of a mudhole.
- One scaler knows how many boards are in a log; two aren't sure.
- A logging job is never hopeless until the contract is signed.
- There is no such thing as a free lunch when eating out with the contract supervisor.
- Electrical systems are designed so components and wiring burn out to protect fuses.
- More than enough will be insufficient.
  - Southern Logging Times

#### **Membership Drive**

SAF Membership Roundup is in full swing. Get in on the Roundup by helping to bring in the stray Foresters.

As of November 1st we need 71 additional members to meet our goal. Please help your Society by offering membership to one of your friends.

Thanks for your effort.

Bob Martin Membership Chairman



#### **Allegheny Society Membership**

| Chapter            | 9/1/83 | 11/83 |             | Goal  |
|--------------------|--------|-------|-------------|-------|
| None               | 11     | 11    | Met Goal    | 11    |
| Maryland           | 137    | 142   |             | 147   |
| New Jersey         | 158    | 161   |             | 168   |
| Rutgers            | 27     | 29    |             | 30    |
| Keystone           | 84     | 84    |             | 93    |
| Northern Hardwoods | 67     | 68    | Met Goal    | 68    |
| Pinchot            | 54     | 51    |             | 61    |
| Plateau            | 73     | 74    |             | 77    |
| Rothrock           | 122    | 124   |             | 138   |
| Valley Forge       | 116    | 118   |             | 121   |
| Western Gateway    | 69     | 69    |             | 74    |
| West Virginia      | 208    | 208   |             | 225   |
| West Virginia Unv. | 18     | 23    | Exceeds Goa | al 20 |
|                    | 1144   | 1162  |             | 1233  |

Need 71 additional members to meet goal!

#### Oaks Killed By Gypsy Moths Studied For Lumber Recovery

Peter Labosky, Jr., Associate Professor of Wood Science and Technology; P. R. Blankenhorn, Professor of Wood Technology; L. D. Garges and K. M. Dennis, Graduate Students; and L. E. Rishel, Research Assistant in Forestry.

The gypsy moth outbreak has caused extensive damage to the hardwood forests of the Northeast, particularly oak stands. In 1981 alone, 2.5 million acres of Pennsylvania forestlands were defoliated with varying amounts of mortality. Other than for limited timber salvage operations or as firewood for homeowners, the dead trees remain in the forest. This situation has caused major economic impact on some regions heavily dependent on forest resources. For obvious reasons, the lumber value lost in dead timber increases the longer the trees remain standing. This raised the question of how long dead trees can remain standing before they are no longer profitable to harvest as sawtimber.

Therefore, we have a study under way to determine the lumber yields and lumber quality obtained from insect-killed red and white oak trees dead for 1 year, 2 to 4 years, and over 5 years. A sawmill trial was completed recently and, as expected, showed a decrease in lumber recovery for both red and white oak trees with time after death, Figure 1.

Results summarized. A 10 percent reduction in lumber recovery was observed between dead age groups of 1 year and over 5 years. The greatest yield loss was in the red oak group. This may be due to the tendency for red oak trees to develop deep checks or cracks after dying. It appeared that this species group has a tendency to lose its bark readily, hence promoting the formation of deep drying checks in the logs, Figure. 2. In addition to these results, stand variability was evident in the red oaks dead 2 to 4 years and those dead over 5 years. The red oak trees dead 2 to 4 years exhibited mor severe drying checks than did those dead 5 years. This explained the lower lumber yields for those dead 3 years. Additional trees have been harvested to determine site effects on recoverable lumber yields.

In addition to obtaining lumber recovery yields, a kiln drying study using this lumber is currently under way, Figure 3. Field reports indicate this lumber is highly susceptible to surface checking and possible other defects related to kiln drying. The initial results from this study should be available next year.

Checking and decay examined. Another question we faced was how much of the high grade lumber was lost due to checking and decay associated with time after mortality. It was found that the results observed for our mill trial were comparable to published results. Decay and checking renders the outer high grade section of the log useless, hence a greater loss of high grade lumber is realized along with a corresponding increase in No. 3 Common lumber. The most dramatic increase in No. 3 Common lumber was with 84.2 percent of the lowest grade logs grading No. 3 Common.

During the project, we observed that certain dead tree characteristics were associated with the number of years after death. As expected, time after death of trees studied was difficult to assess because an oak tree may die 1, 2, or 3 years following initial defoliation. Infestation by the twolined chestnut borer and the shoestring fungus increased tree mortality.

White oaks retained bark. We began to recognize general changes in tree features that occurred over time after death of the tree. In general, for the white oak group, the bark remained intact and time of death could be roughly estimated by observing limb loss in the tree top. Up to 25 percent limb loss indicated a tree had been dead up to one year. A 25 to 50 percent limb breakage indicated a tree had been dead 2 to 4 years and over 50 percent limb loss indicated the tree had been dead over 5 years.

Red oaks showed opposite changes. The opposite tree characteristics were observed for the dead red oak trees. In most cases, red oaks lost most of their bark and some small limbs. Very little bark loss was observed for a tree dead under one year. Extensive bark loss in the tops and upper bole indicated that a tree had been dead 2 to 4 years, whereas bark loss on the lower bole indicated a tree dead over 5

## **NEW JERSEY FORESTRY ASSOCIATION**

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Figure 1. Lumber recovered from

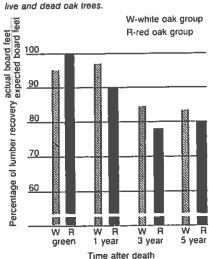




Figure 2. Dr. Labosky examines a typical pile of dead 3-yearold oak logs showing excessive end checks.



Figure 3. A load of dead oak lumber, 1 inch thick, undergoing drying studies. Shown is Dr. Blankenhorn.

years. The latter red oak group checked more and decayed less than other groups because bark loss allowed the tree to dry while the white oak group showed more decay and less checking. This classification scheme provided a rough method to establish time after death for defoliated oak trees.

The first phase of this study established that lumber recovery decreased with time after death for both the red and white oak trees. Results from this phase of the project, coupled with the kiln drying study, will help to establish expected lumber recovery from insect-killed red and white oak trees.

Science in Agriculture, Penn State University, Summer 1983

## Publications Available

#### **Black locust Booklet**

A new booklet on the common pests of black locust and appropriate control methods is available free of charge.

A Guide to Common Insects, Diseases and Other Problems of Black Locust (Forestry Report SA-FR 19) is a 9-page guide that presents information about common pests of that species and appropriate control methods.

For copies of the booklet, write to: USDA Forest Service, Information Center, 1720 Peachtree Road, NW, Suite 816, Atlanta, Ga. 30367.

#### Wildlife & Timber Planning

A new guide has been published that will help the landowner to incorporate wildlife considerations into woodland management planning. Wildlife and Timber from Private Lands: A landowner's Guide to Planning (Information Bulletin 193) is a Cornell Cooperative Extension publication, with support provided by the Northeastern Area State and Private Forestry, USDA Forest Service.

The 56-page, illustrated guide is intended to encourage landowners to plan for and to more easily practice management for improving both timber and wildlife.

The publication may be purchased for \$3.95 from: Distribution Center, 7 Research Park, Cornell University, Ithaca, NY 14850.

#### Tabloid of Roads and Trails Available On Monongahela National Forest

The Monongahela National Forest, U.S. Department of Agriculture, has completed its review of the Roads and Trails Management Program. This program, previously titled the OFF-Road Vehicle (OVR) Policy, is reviewed annually to determine if changes in road and trail management are necessary to protect natural resources, promote public safety, or minimize conflicts between users. According to Forest Supervisor Ralph Mumme, a public involvement process was used to identify 22 roads and trails with management concerns. A review of these has resulted in changes in management for 14 roads and trails on the Forest.

A tabloid has been prepared that describes the Monongahela National Forest Road and Trail Management Program. It includes a removable section of ranger district maps that show whether roads or trails are open to public motorized vehicle use, open seasonally, closed, or restricted to specific vehicle type. The tabloid may be obtained from the six District Rangers or the Forest Supervisor's Office in Elkins, West Virginia.

Written comments or questions concerning the Monongahela National Forest Road and Trail Management Program may be addressed to the Forest Supervisor, Box 1548, Elkins, West Virginia 26241.

#### Stephen H. Spurr Centennial Fellowship Fund

The Lyndon B. Johnson School of Public Affairs has established a Stephen H. Spurr Centennial Fellowship Fund designed to enhance the research capability of the school in the field of public policy. Steve Spurr who has degrees from the University of Florida and Yale, has been a distinguished member of the University of Texas since he went there as President in 1971. Dr. Spurr has been recognized as one of the nation's eminent forest ecologists and is past President of the Society of American Foresters. The Allegheny SAF, at its last executive committee meetings, made a contribution to this worthwhile fund. Anyone wishing to make a contribution may do so by making the check payable to "Stephen H. Spurr Centennial Fellowship" and sending it to Dean, Lyndon B. Johnson School of Public Affairs, the University of Texas at Austin, Austin, Texas 78712.

mental Protection Agency. Used prior to 1983 to test its feasibility over a smaller, the technique involves interpreting color infrared panoramic photos. This effort should result in more accurate and consistent gypsy moth-caused defoliation figures and defoliation maps over the four-State area.

The Forest Service's Forest Pest Management Staff is evaluating photo interpretation techniques also for assessing the effectiveness of suppression activities, and for monitoring tree mortality where spraying is not done.

To capture peak defoliation, the flights must be scheduled from late June to late July. Cloud formations and weather conditions are factors that may limit the effectiveness of aerial photography.

#### 1983 Gypsy Moth Defoliation by State<sup>1</sup>

| 0.            | Defoliation Inte |         |                                   |  |
|---------------|------------------|---------|-----------------------------------|--|
| State         | Moderate Heavy   |         | Total<br>Defoliation <sup>3</sup> |  |
| Connecticut   | 100,798          | 52,441  | 153,239                           |  |
| Delaware      | 1,855            | 1,137   | 2,992                             |  |
| Maine         | 4,574            | 11,711  | 16,285                            |  |
| Maryland      | 11,562           | 4,308   | 15,870                            |  |
| Massachusetts | 84,045           | 64,088  | 148,133                           |  |
| Michigan      | 85               | 372     | 457                               |  |
| New Hampshire | 560              | 0       | 560                               |  |
| New Jersey    | 156,930          | 183,355 | 340,285                           |  |
| New York      | 183,554          | 107,289 | 290,843                           |  |
| Pennsylvania  | 1,003,770        | 357,054 | 1,360,824                         |  |
| Rhode Island  | 38,590           | 15,290  | 53,880                            |  |
| Total         | 1,586,323        | 797,045 | 2,383,368                         |  |

| 1/ | 8ased | upon | State-cond | lucted | areal o | detection | on surv | eys. |
|----|-------|------|------------|--------|---------|-----------|---------|------|
|----|-------|------|------------|--------|---------|-----------|---------|------|

<sup>&</sup>lt;sup>2</sup>/Moderate defoliation = 31-60 percent.

Heavy defoliation = 61-100 percent.

#### **Aerial Photos Show Defoliation**

High altitude aerial photography was used this summer, for the first time, to map gypsy moth defoliation over a multiple State area of the Northeast.

The project, which covered Delaware, Maryland, New Jersey, and Pennsylvania, was a cooperative effort between the States involved, the USDA Forest Service, National Aeronautics and Space Administration, and the Environ-

| See you in Feb. 84  GETTYSRURG |    |    |    |    |     |    |
|--------------------------------|----|----|----|----|-----|----|
| S                              | М  | Т  | W  | T  | F   | s  |
|                                | 27 |    | 1  | 2  | 3   | 4  |
| 5                              | 6  | 7  | 8  | 9  | 10  | 11 |
| 12                             | 13 | 14 | 15 | 16 | 17  | 18 |
| 19                             | 20 | 21 | 22 | 23 | 24) | 25 |
| 26                             | 27 | 28 | 29 |    | _   |    |

#### **Editor's Last Note**

I would like to use this last remnant of space to thank all those who tirelessly contributed news and articles to this newsletter. It is only through their contributions that a fine newsletter can be prepared and of course, made my job much easier.

The next editor will be announced at the Winter '84 Meeting at Gettysburg.

I hope the new editor will continue to receive support from past contributors as well as input from the silent majority.

David R. Edelman

<sup>&</sup>lt;sup>3</sup>/USDA Forest Service did not ask States to report light defoliation (below 30 percent). Some States, however, report light defoliation for their own purposes.

#### **DIVISION & CHAPTER CHAIRMEN**

Maryland-Delaware Division Stephen M. Genua 12224 Dancrest Road

Clarksburg, Maryland 20871

**New Jersey Division** 

Richard Bentz RD 2, Box 221 Englishtown, New Jersey 07726

Pennsylvania Division

William S. Corlett
51 Fort Street
Lemoyne, Pennsylvania 17043

West Virginia Division

Anthony T. Mollish Westvaco Corp. P.O. Box n577 Rupert, WV 25984 **Keystone Chapter** 

Gary N. Rutherford R.D. 2, 8ox 250B McVkeytown, Pennsylvania 17051

Norther Hardwood Chapter

Alex Day
5 North Main Street
Coudersport, Pennsylvania 16917

**Pinchot Chapter** 

J. Craig Porter RD 1, 8ox 267 Center Valley, Pennsylvania 18034 Plateau Chapter

David F. Miller 807 Pennsylvania Avenue East Warren, Pennsylvania 16365

**Rothrock Chapter** 

James A. Lynch 215 Pike Street

State College, Pennsylvania 16801

Valley Forge Chapter

Paul Felton 37 Crawford Road

Audubon, Pennsylvania 19401

Western Gateway Chapter

Dave Babyak RD 2, Box 66

Indiana, Pennsylvania 15701

#### **COMMITTEE CHAIRMEN**

Auditing

Douglas S. Powell 537 W. Springfield Road Springfield, PA 19064

Awards

Harold W. Geiger 105 W. Highland Avenue Spring Grove, PA 17362

Communications

Anthony D. Santoli 1041 Prescott Avenue Scranton, PA 18510

Education

James R. Grace Cook College, P.O. Box 231 New Brunswick, NJ 08903

Entomology/Pathology

John W. Quimby Div. Forest Pest Management 34 Airport Drive Middletown, PA 17057

Fire Control

Ralph P. Glover, Jr. 806 Daverton Road Charleston, WV 25303

Forest Policy-Legislative Roger Sherman

Roger Sherman P.O. Box 577 Rupert, WV 25984 Forest Research

Dr. Robert S. Bond 1701 Circleville Road State College, PA 16801

**Foresters Fund** 

Anne Conley Pitchell R.D. 1, Box 258 Freehold, NJ 07728

History

William S. Corlett 51 Fort Street Lemoyne, PA 17043

Membership

Robert Martin P.O. 8ox 327 Emporium, PA 15834

Newsletter

David R. Edelman RR 1, Box 999 Franklin, NJ 07416

Nominating

Kenney P. Funderburke, Jr. P.O. 80x 577 Rupert, WV 25984 **Natural Areas** 

James C. Nelson RD 1, Box 490 York Haven, PA 17370

**Professional Registration** 

& Licensing
Richard D. Goodenough
Black River Road
Pottersville, NJ 07979

Program/arrangements

- Summer Meeting Wallace L. Haulik 140 Buckthorn Drive Carlisle, PA 17013

Program/arrangements

- Winter Meeting Robert H. Rumpf Glatfelter Pulp Wood Co. 25 South Hanover Street Carlisle, PA 17013

Task Force/Forester Continuing Education Fund

Tim A. Kaden 409 Dogwood Avenue Crossgate Dover, DE 19901

Tree Improvement

Jack A. Winieski RD 2 Dillsburg, PA 17019

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