

FOREST OWNER

A Publication of the New York Forest Owners Association

May/June 1989

THE NEW YORK



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THE NEW YORK FOREST OWNER

Published for the New York Forest Owners Association by
Karen Kellicutt, Editor

Materials submitted for publication should be addressed to: Editor, N. Y. Forest Owner, RD #1, Box 103, Lisle, New York 13797. Articles, artwork and photos are invited and are normally returned after use. The deadline for submission is 30 days prior to publication in July.

Please address all membership and change of address requests to Executive Secretary, P.O. Box 123, Boonville, N.Y. 13309.

President's Message

It is our great pleasure to welcome a new chapter to our ranks. While it does not have a name as of this writing, it is composed of the three southwestern-most counties in the State. These are: Chautauqua, Cattaraugus and Allegany. Note to Ruth Thoden: With careful study and a little practice, you can learn to spell Chautauqua and Cattaraugus.

Charlie Mowatt, a DEC forester from Jamestown, is the organizer of the chapter. He has experience starting a Tree Farm chapter in his area. His knowledge and enthusiasm guarantee the new chapter's success. They had their first meeting 2½ weeks ago and already have a steering committee formed as well as three woodswalks, a family picnic in Allegany State Park and a tour of Potter Lumber Co. planned. One of the woodswalks is already scheduled as a parent organization walk. It is the one at Karen Anderson's woods in Machias on June 10.

A reminder that the other NYFOA scheduled woodswalks this year are:

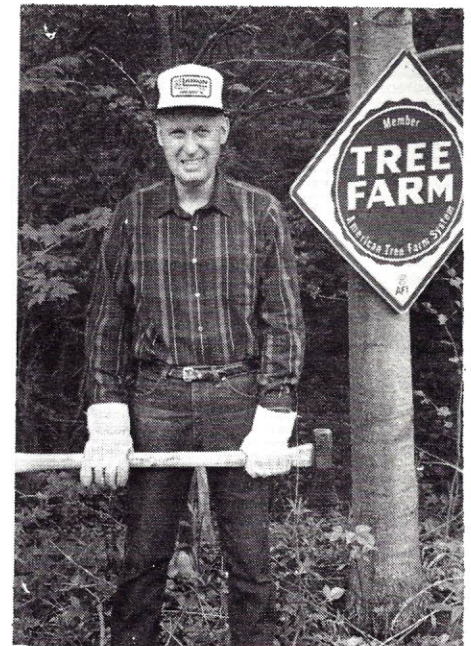
May 13 — Arnot Forest

July 29 — Woods of John Marchant
— Avoca and George Appleton —
Wheeler

Oct. 14 — Catskill Forest Ass'n.

Details of all of these can be found elsewhere in this issue. Hope to see you there.

Morgan Heussler



J. Morgan Heussler

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Keeper of the Woods

By MARY BETH KEHOE

Don Steger has a job many may envy. He has no time card to punch, no co-worker clashes to contend with and no 9 to 5 doldrums to deal with. He is his own boss, with his office being the woods which surround his home on Cold Brook Road in Homer.

"I like to work in the woods, it's so clean," he explained. And this wood-working job is no easy task. At an age when most are content to sit back and relax Steger can be found working alone in the woods cutting 500 cords of wood a year and in his "spare time" organizing deer and turkey hunts.

"We bought the land and the house came with it," said Steger of the turn of the century house he purchased 36 years ago. The colonial style house sits on 1100 acres woodsman attire of suspenders, woolen pants, heavy socks and flannel shirt. He has a wide grin and a pair of thick hands which tell the story of years spent chopping wood.

"I keep trying to retire, but there's always something to do," he said. And there is. Until 1980 he operated a pheasant preserve, currently he works on a fire wood business and boards dogs in the summer months. He is a member of the Masons, the Forestry Organization, New York State Shooting Organization and was past Director of the Farm Bureau.

"We tried to get more good forest practices on private land. Forests have changed dramatically through the years. The woods are of land, 800 of which is wooded. He is man content with both his work and homelife, and shares his home with wife, Connie who retired in 1981 from Homer School District. Like her husband, she keeps busy. She volunteers in town, is active in the Methodist church and works busily on crafts. It was here they raised two daughters, Ellen, who resides in Maine and Heidi, a laboratory technician in Sacramento, California.

Sitting in a wing-backed chair surrounded by antiques collected throughout the years, Steger reflected on his years in the woods. "I've spent my life doing things I love and I've been blessed with good health," he explained. And anyone would agree he is the picture of health, decked out in



his making a comeback since the days when farmland was abandoned," he explained. He believes wood has become valuable, and he has a timber sale periodically. But there is one thing he refuses to do. "I won't cut good trees," he said.

The house is a mixture of cultures, with items from across the world displayed. Many come from the years the Stegers opened their hearts and home to exchange students. Today they still correspond with and even exchange visits with many of the students who spent time in their home. Some are from as far away as Iceland and Germany. Colorful handmade rugs cover the floors of the entranceway and sitting room. "It was hand-crafted by a fisherman's wife in Japan," explains Steger. Antiques abound, with brightly colored antique bottles lining the window shelves sparkling in the sunlight. "I found them in the woods", he adds.

The kitchen is comprised of polished wood, and a window that overlooks the birdfeeder outside. He is quick to name the birds that are enjoying an afternoon snack on this chilly day. "There is one that hangs upside down and eats," he said. He also speaks proudly of the new wood-burning stove outfit he installed. A

cherry drop-leaf table rests against one wall, in the sitting room, a reminder of the couple's newlywed days. Across the room is a piano, with pictures of two red-haired smiling grandchildren displayed on it.

But perhaps the most interesting item is a cast iron stove, circa 1850 located in the living room. With some work by Steger, and a little painting and polishing, it still keeps the couple warm. Also sharing the livingroom is an 1897 pump organ, and a chair which was once a church pew. And there are remembrances of the pheasant preserve everywhere. They are stitched on footstools, stuffed and hung on the walls, and even inside a three-dimensional light. Antique bells which line the tops of walls hold a meaning for the couple. "My wife's maiden name was Bell," explained Steger.

A native of the area, he explains "I was born over the hill in Preble. And it appears the couple have no plans to relocate to a warmer climate as soon as the snow flies. "I played pro-baseball from 1948 to 1950, in the south but left after I found I couldn't hit the curve. It was too hot anyway," he said. The change of seasons appeals most to this woodsman. "In California and Florida the weather is

(Continued on Page 11)

Chapter Reports:

Western Finger Lakes Chapter Meeting Concentrates on Woodland Wildlife

By JOHN MARCHANT

The chapter had its largest turnout ever to hear Gary Goff's presentation of the WOODLAND WILDLIFE DEMONSTRATION PROJECT which has been carried out at the Cornell University's ARNOT FOREST. Fifty-five people attended, of which 21 were potential new NYFOA members.

As Gary explained, the project has three primary goals:

1. Demonstrate the interrelationship of forest and wildlife manage-

ment to private landowners and encourage adoption of wildlife habitat enhancement practices.

2. Document forest-wildlife responses to various management practices.

3. Provide a model for organizations or institutions that wish to establish similar demonstration sites for Nonindustrial Private Forest Owners (NIPF's) in the Northeast or North Central states.

The presentation was made with excellent slides and graphs which showed what affect management treatments for SAW TIMBER, POLE TIMBER, AND SCRUB, have on various wildlife species. The treatments were carried out on nine separate plots within the forest. Although the plots are admittedly small, the results seemed consistent and understandable and taught many of us some new ideas and techniques to try on our own.

This material and information will all be available at the NYFOA woodswalk on May 13. Gary and his colleagues have planned a program which will be both enjoyable and educational. I strongly urge anyone interested in this general topic to take advantage of seeing this demonstration project in person. REMEMBER: Sat., May 13, at the ARNOT Forest, Ithaca, New York.

New Chapter Formed

A new local chapter of the New York Forest Owners Association (NYFOA) is forming in Chautauqua, Cattaraugus and Allegany counties. The first meeting was held on March 18, at the Cooperative Extension Center in Ellicottville.

Charlie Mowatt, of Jamestown, explained that NYFOA was organized to encourage the wise management of private woodland resources in New York by promoting, representing and serving the interests of woodland owners. The local chapter, yet unnamed, will be a very accessible organization through which forest owners in the tri-county area can exchange experiences and learn about land management alternatives.

A steering committee, including Karen Anderson of Machias, Bob and Helen Nagle of Leon and Dave Mowatt of Franklinville, assembled a

calendar of activities for the chapter. All NYFOA members and prospective members are invited to attend any or all of the following events lined up by the steering committee. All activities begin at 10 a.m. Bring your own lunch.

Sat. May 20 — Woodswalk, Bob and Helen Nagle, Kysor Hill Rd., Leon.

Sat. June 10 — Woodswalk, Karen Anderson and Nannen Arboretum, Rosick Hill Rd., Machias.

Sat. July 15 — Family picnic. Bring table service and a dish to pass. Camp Allegany, Allegany State Park.

Sat. August 26 — Woodswalk, Bruce and JoAnn Robinson, Swanson Hill Rd., Randolph.

Single memberships in NYFOA are available for \$10 per year (\$15/family). Members receive a bi-monthly publication, "The Forest Owner." A portion of the dues is

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Cayuga Chapter

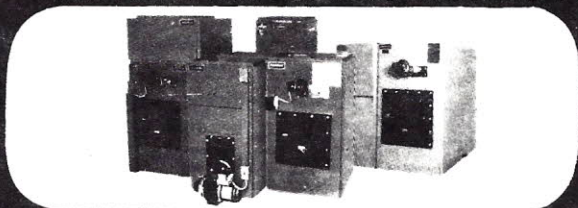
By DICK FOX

The Cayuga Chapter's Woodsmen and the Finger Lakes' Draft Animal Association sponsored their First Annual Cabin Fever Festival, February 11 & 12 at Fillmore Glen State Park in Moravia. The goin's on involved 20 or more singles and teams of horses, mules and oxen pulling people, logs, and equipment all over the place. And 25 or more forest and farm exhibitors and demonstrators were teaching, or selling, or both. The Festival was supported by a blanket of fresh snow (rare for this winter), pleasant temperatures (very rare for Cayuga Woodsmen's demonstrations) and hot chili, dogs, and burgers. Total attendance for the two days was estimated by Park Superintendent Arthur Nordby as 2500 - 3000. DEC Foresters Bill Burlingame and Stephen Davison were pleased with the quality and quantity of the audiences for DEC services. Gary Goff and Cornell Cooperative Extension Services (with support by Agents Judith Wright, Cathy Barrett and James Hilson) provided early organizational input and an exceptional display.

The Woodsmen had some early wood processing demonstrations (crosscut and drag sawing) and examples of the latest innovations

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FURNACES AND BOILERS

LEGISLATIVE REPORT

By **DON GILBERT**,
NYFOA Legislative Committee
Chairman

Although many bills introduced into the NYS legislature this session deal with the budget deficit and revenue generation, some bills are of interest to forest owners. A few of these bills are listed below. If a bill's designation starts with an A, it was introduced in the Assembly by the following Assemblyman's name. The letter S is used for Senate bills.

State tax reimbursement of 480-a forest land exemptions bill (A.1317 by Hinchey): This bill enables local taxing jurisdictions to obtain reimbursement of taxes lost for forest land 480-a exemptions.

A repeal of the Fisher and 480-a Tax Laws bill (S.2690 by Cook): This bill eliminates both the Fisher Tax Law and 480-a Forest Tax Law programs and replaces them with a combination of the two. New differences include a lowering of the minimum qualifying

size from 50 to 25 acres and a penalty of three percent of the property's market value per year for up to 10 years for failure to comply with management prescriptions or converting enrolled acreages to other uses. The Empire State Forest Products Association has stated that the "anticipated result would be virtually no exemption for forest management commitment."

The essential wildlife habitat and endangered or threatened species bill (A.1192 by Hinchey): This is the same bill, with the same language as S.1944-a, which was introduced in 1988. (See the July/August 1988 issue of *Forest Owner* for further details about this bill.)

Two revenue generation type bills introduced by the Governor that are of interest to loggers and the forest products industry are A.3662 and



DON GILBERT

A.4282. These bills would double the permit cost and fines charged by DOT for the operation of overweight or oversized vehicles, and double the tax paid for the truck mileage/highway use tax, respectively.

If anyone desires more information, has any questions, or wants a copy of the exact language of a particular bill, please contact NYFOA's office.

NYFO New Members

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Vincent Nolan, Queens Village, NY
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Bob Oleksyn, Rochester, NY
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Andrew Markopoulos, Great Neck, NY

3-Day Workshop

North country tree farmers are invited to a three-day seminar at Paul Smith's College July 21 - 23, 1989.

Workshops will be offered on income tax and capital gains, estate planning for tree farmers, timber trespass and liability, NYS forest tax law, and alternative income opportunities.

Speakers will be from the Northeast Forest Alliance (NEFA), the Forest Practice Board, and the Governor's Commission on the Adirondacks for the 21st Century.

Tours have been arranged during the three days to an operating sawmill, Dave and Judy Johnson's 70-acre tree farm, Paul Smith's College sugar bush, and the newly opened Adirondack Interpretive Center.

The highlight of the seminar will be a "Gala Tree Farm Banquet" where you can meet your NYS Tree Farm chairman, witness the introduction of

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Harry Marvin Jr., Selden, NY
Randy Marz, Ulster Park, NY
James Mays, Olivebridge, NY
Michael J. Morgan, Windsor, NY
Grace Mowatt, Oswego, NY

Inspect Trees Now

By **MICHAEL J. BIRMINGHAM**
Associate Forester

Inspect trees in May for potential insect problems. Look for pear thrip adults in sugar maple buds that are opening. Look for cankerworm egg masses on the bark of oaks, maple and ash. Look for gypsy moth egg masses on the bark of trees, particularly the undersides of large limbs. Forest tent caterpillar eggs appear on the twigs of preferred hosts including maple during the dormant season.

The presence of eggs does not mean that forest trees will be defoliated. It does mean that the landowner should inspect their trees in mid to late May for the appearance of foliage damage. If foliage damage is appearing on many of the leaves of preferred host trees, landowners need to decide if the infested forests should be sprayed. Effective insecticidal controls must be made before the foliage damage is severe, since poisons must be placed on leaves. Generally, most insect defoliators are sprayed in late May or early June.

Inspections of insect defoliated forest damage should be made during the growing season from June

onward. Estimates can be made to determine the degree of foliage damage and if refoleation has occurred.

Trees that refoleate early in the season — by the end of June — often are not seriously damaged by the early season loss of leaves. However, trees that have foliage damage early in the season and that retain the damaged leaves throughout the season may suffer long-term damage.

By fall inspect the trees for dieback of twigs and branches, foliage discoloration and bark separation. Trees that show severe symptoms of damage should be considered for salvage before insects and diseases lower the value of the wood. Salvage cuts are generally made within one to two years of severe evidence of tree damage.

For landowners who plan timber harvests or improvement cuts and discover insect defoliator, it is prudent to postpone harvests. It is better to wait and determine which trees will decline in health and mark these declining trees for removal. If cutting is done early, the symptoms of decline may not be visible and healthy trees may be removed in the harvest and unhealthy trees left. Errors in knowing what trees to harvest leads to understocking of the forest stand. Another reason for postponing cutting

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Tree Disease and Pests:

Armillaria Root Rot

By **LOUIS TIRRITO**,
CFA Woodlands Manager

Armillaria root rot is the best known and most damaging disease of Northern hardwood forest, shade, and ornamental trees and shrubs.

Armillaria root rot is a generic term for a group of similar diseases caused by a complex of some 11 fungal species. The name *Armillaria mellea* (*A. mellea* spp.), often refers to the entire fungal group in North America, because studies have been insufficient for practical differentiation of species. Other common names include honey mushroom, honey agarics, and shoestring fungi. These names refer to the color of the mushroom and the appearance of long stringlike filaments of fungus that some strains spread in the vegetative state.

Armillaria mellea is the most common root rot fungus in Northern hardwood forest trees. Estimating damage done by this disease is difficult, because it is often associated with other destructive tree diseases and pests. For example, species of oak affected by oak decline show progressive dieback in branch tips and yellowed, dwarfed, and sparse foliage. These are also the general symptoms for infection on other tree species. *Armillaria mellea*, however, is a major pest associated with oak decline, so that once the tree is stressed, the fungus is able to infect the root system. Once infected, the large roots are girdled and the tree dies. Tree resistance to killing by *Armillaria mellea* increases with age; there are high rates of mortality in dense, young stands. Diseased trees

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Ask a Forester

Send Questions to: Wes Suhr, R.R. #1, Box 59B Oswegatchie, N.Y. 13670

I am a forest landowner with a desktop computer (IBM). I can measure trees (dbh and logs) and know the species in my woodlot. In about a year, I expect to contract a logging sale for some stands containing mostly cherry, ash and maple. Can you tell me if there are any computer programs available that compute volume and market value of trees in my woods from a simple inventory of species, dbh and sawlog height?

All Forest Owners with Computers Occasionally this question comes up, and I have been interested in such a program for my woodlot, so last year I searched for suitable inventory software. "Suitable" in this case means a practical, single-oriented program to meet the needs stated in the above question.

Frankly, it was a rather frustrating search. I have attended a couple NYFOA meetings where forestry software was one topic of discussion. Some of the programs outlined at these meetings I have found, through use, to be too complex or go far beyond the needs of the small woodlot owner, say with 500 acres or less. For example, SILVAH¹ and INFORM² are fine for the integrated, systematic planning and management of large government and industrial forest lands. But they go far beyond the request or desire related to the initial question.

Finally, I tried PULP & SAW (P&S) which is a neat little package that provides the desired output. It was developed by Dr. Harry Wiant, Jr., Division of Forestry, West Virginia University, and distributed by Forest Resources Systems Institute.³ P&S is an inventory processing system consisting of three programs — one for pulpwood data, another for sawlogs and a third for developing your own local volume equations, if you want that. The cost of the disc is a reasonable \$30.

In answer to the initial question, I will outline the sawlog option of the program to illustrate its simplicity. One of its better features is the "dot-tally" system to record trees in the

field and the dot-tally totals by class used as input for the computer. This system really speeds up the whole routine, both field recording and data processing. As an example, you take

Page 1 of 1 SAWTIMBER PLOT DATA

DBH	16-ft. LOGS	Species Code		
		C	A	M
<u>16</u>	<u>0.5</u>			
	1.0	5	::	4
	1.5	12	☒	8
	2.0	24	☒	13
	2.5			

Back at the office, you sum the totals for each dbh/log class on the same tally sheet (as shown above). Boot your computer, load your disc, type "P&S" at the drive prompt and up comes the Main Menu where you select "Process Saw Timber Data" (#2). The "Sawtimber Data Menu" pops up where you select "Create a new data file" (#1). After answering some basic questions regarding the cruise, you are prompted for the cruise data in this format (you enter the data as shown):

Species Number Code: 1 (for Cherry)
 DBH: 16
 No. 16-ft. logs: 1
 Number of Trees: 5

This is repeated for each dbh/log class for each species. Within a couple minutes, the computer has all your data on file and you request "print a data file" from the Sawtimber Data Menu. Within another minute, your printer produces a copy of the data file and you check it for accuracy. When all data is correct, you go back to the Main Menu to select "Process Saw Timber Data" where you are asked these questions:

Acres in tract (or sale unit)
 Select (1) INT-1/4 (2) DOYLE (3) SCRIBNER (4) LOCAL EQUATION
 Smallest and largest DBH class in data set

the dot-tally field sheet, which can be printed using the program, and record this data in the field as you mark each tree to be cut (C = black cherry, A = white ash, M = hard maple):

SAWTIMBER PLOT DATA

Cruiser YOU
 SALE UNIT 10

DBH	16-ft. LOGS	Species Code		
		C	A	M
<u>18</u>	<u>0.5</u>			
	1.0		::	4
	1.5	2	::	3
	2.0	4	::	3
	2.5			

DBH interval desired (1 or 2 inch class)
 Name of species (by number code)
 Form Class for each species
 Stumpage value for each species (the present market value)

Don't let "form class" throw you! This represents stem taper, computed from the taper in the base log (16'), and there are published tables for each region in the U.S. For example, here in the Northeast, you can use a form class of 80 for both cherry and ash and 79 for maple — or you may compute your own form class. After answering all the prompts, your printer will rapidly produce the following information:

Number of trees by species and total number
 Basal area (sq. ft.) by species and all species
 Volume (mbf) by species and all species (by rule requested)
 Stumpage value by species and all species
 Average dbh
 Average tree volume
 % cruise

Most forest owners (or foresters) on smaller properties will make a 100% inventory (cruise) for a logging sale, or all trees to be cut are inventoried and marked. P&S allows for this or a
 (Continued on Page 10)

Woodsmens Expand Industry Tours During August Weekend

Boonville, NY — 3-B Timber Company has been added to schedule of industry tours on August 18 during the 42nd New York State Woodsmen's Field Days. Located in Boonville's Industrial Park, this company peels red pine trees which are cut into utility poles.

According to Robert Sauer, McConnellsville, Industry Tour Chairman, tours will be scheduled throughout the day and interested people should make reservations by calling the Woodsmen's office in Boonville at 315 942 4593. Reservations will be limited and people are requested to call early.

Others included in Tour Day schedule are Boonville Division of Ethan Allen Furniture, Boonville. This plant manufactures variety of wood furniture and tour will include all phases of manufacturing of furniture from raw product to finished items.

Pulaski Wood Company, subsidiary of Baillie Lumber Co., is a Boonville-based mill which supplies lumber to furniture manufacturing industries. Travel with the hardwood log as it enters plant to finished lumber, viewing cleaning of log, scaling, sawing, edging, trimming and grading of lumber.

N.M. Sargents & Sons, located in Boonville Industrial Park, will open its doors for attendees to see manufacturing of unfinished chairs and stools including ripping, gluing, total assembly of products.

Busses will leave Boonville for Lyons Falls and McConnellsville where tours will be conducted of Lyons Falls Pulp & Paper Co. and Harden Furniture Co. The Lyons Falls mill manufactures high quality paper from pulp wood. Trip will include viewing pulpwood as it arrives at plant and various stages of production into paper.

Founded in 1865, Harden Furniture Co. tour will include observing manufacturing of furniture from wood cut in Harden's timberlands; sawed in its sawmill; dried in its kilns and assembly of furniture to finished product.

Where did that new NYFOA logo come from?

Early in 1987, the board recognized the need to update NYFOA's brochure to reflect the needs and the philosophies of a growing membership. Forest owners, increasingly, are concerned about more than just trees.

The new direction is toward multiple uses of our renewable resource. And a new logo to reflect that direction was a definite area to look into.

The membership committee was given the task of preparing the new brochure to replace the dwindling supply — before the Woodsmen's Field Days (1987) if possible.

Howard Ward, Dean Frost, Don and Bonnie Colton and Ruth Thoden met to discuss the size, shape, texture, appearance and content of the new creation. Bonnie agreed to revise the text.

A Logo Is Born



After exploring other options, the committee decided to ask John D. Mahaffy, Boonville Graphics artist, to design the logo and print the

brochure. The resulting logo shows not only multiple uses, but seasonal uses, and features the New York State map as background.

The committee was pleased with the results, including the other illustrations sketched by John Mahaffy throughout the brochure. We commend him for an excellent job done on a tight time schedule at a very reasonable rate. We hope all NYFOA members are as pleased with the design as the committee is.

New Chapter—

(Continued from Page 4)

returned for use by the local chapter.

A descriptive brochure, with NYFOA membership application, is available from Charlie Mowatt, 40 Clyde Avenue, Jamestown, NY, 14091, or call 665-3523, evenings.

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Chapter Reports (Cont.)

CFA Affiliate Report

By **LOUIS TIRRITO**,
CFA Woodlands Manager

Increasing awareness and public involvement is an essential part of improving the visibility of forestry in New York. This is a big part of what NYFOA and CFA are all about. The Catskill Forest Association's recent efforts to increase membership have shown encouraging signs of success. Total membership in CFA has reached 200 for the first time since CFA was founded in 1981. This is significant for NYFOA, because each CFA member is automatically enrolled as a NYFOA member and receives all the corresponding benefits. CFA looks forward to further expanding membership so as to be able to reach and educate more people about the benefits of forest management.

A date and theme for CFA's annual meeting have been set, as well as a tentative location. The meeting will be held on Saturday, June 17, and will be held in the Roscoe area (a more specific time and place will be announced as plans are finalized). The subject of government cost-sharing programs for landowners, more specifically those programs dealing with forestry assistance will be featured. John Repak, Executive Director of the Sullivan County office of the ASCS (Agricultural Stabilization and Conservation Service) will provide a presentation detailing the types and levels of assistance available for landowners, including eligibility requirements. Following the presentation and a brief luncheon, there will be a tour of Herb and Olga Heaton's Livingston Manor property. The Heaton's, who are members of CFA, utilized

government cost-sharing several years ago to perform TSI on a portion of their woodlands.

Further ahead on the activities calendar, CFA will co-sponsor with NYFOA, a woodswalk in the Catskill region. A tentative date has been set for Saturday, October 14. As always CFA welcomes suggestions for meeting topics and locations in the Catskills. For more information on these future events feel free to contact Lou Tirrito, CFA Woodland Manager at (914) 586-3054.

Cayuga Chapter—

(Continued from Page 4)

(hydraulic and gear driven woodsplitters and an automatic wood processor). A pin and tendon GAZEBO was build on site from Red Pine logs donated by Cote Wood Products Inc.; and harvesting donated by Gregg Wellot. Tim Roberson's excellent skills with his portable band saw mill prepared the logs per design and assembly by Bill Millier (Brookside Builders).

The CCC Alumni Association, the Ruffed Grouse Society, the Future Farmers of America, maple syrup producers, the Owasco Valley Audubon Society, Fillmore Golf Course, Keystone Stihl Chain Saws, Bailey's mail order and many others contributed to the success of the festival.

The Cabin Fever Festival idea was expressed by the Chapter in its effort to demonstrate forestry for three previous Februarys and the idea was inspired by the Woodsmen's Field Days at Boonville in 1985. Under the leadership of Tom Hewitt and the

benign spirits inhabiting Fillmore Glen in the Owasco Valley (there is a special replica of the birthplace-cabin of Millard Fillmore located on the Festival site); the idea has become a certain reality. Dave Tregaskis, the Chapter Treasurer-Secretary, will keep a sharp pencil on the money. The Festival Committee is chafing at the bit for next year's event and, additionally, indicated an interest in the area's Fillmore Days held the last weekend in July.

A curious note: the raffled 8' x 8' GAZEBO was won by Beverly Leonard (Dandy Dan's; formerly of Syracuse WNDR) and will be forever located adjacent to Leonard's Liquors in beautiful downtown Moravia.

3-Day Workshop—

(Continued from Page 5)

the 1989's NYS Outstanding Tree Farmer of the Year, the unveiling of the Outstanding Tree Farmer plaque and the certification of New York State's one millionth acre in the Tree Farm System! Movies of the turn-of-the-century logging in the Adirondacks will be shown.

The event is open to anyone who is interested. You may come for all three days or any part. For details, write to:

Deb Wells, Continuing Education,
Paul Smith's College, Paul Smith's,
NY 12920, or call (518) 327-6249.

IPM Newsletter for Christmas Tree Growers

Under the leadership of George W. Hudler, associate professor of plant pathology at Cornell University, an INTEGRATED PEST MANAGEMENT (IPM) newsletter soon will be available for Christmas tree growers. It will be based on insect and disease research relevant to growing many species of Christmas trees. Scheduled for release mid-April, depending on the weather (as recorded and calculated by the "growing degree days" method) and every two weeks thereafter, the "Christmas Tree Growers IMP Newsletter" is by subscription.

For additional information about getting the newsletter, contact your Cornell Cooperative Extension county agent.

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Root Rot—

(Continued from Page 6)

may occur singly or in groups up to 9 acres in size. Although small trees and shrubs are killed quickly, larger trees may be chronically diseased, suffering from growth reduction and significant root decay, making them more susceptible to wind throw. Larger, healthier trees are able to confine the fungus within cankers on the root or root collar for many years.

Where environmental conditions are favorable, *Armillaria mellea* produces a branched, brown-to-black stringlike growth called rhizomorphs. These rhizomorphs grow along the surface of living or dead roots in search of a food supply. Rhizomorphs extend outward from conquered hosts into the soil or humus, or up between the bark and wood of a tree that is already dead. Under the bark the rhizomorphs take on a flattened shape, but are round where free in soil, litter, or decayed wood. They are 1-2 mm in diameter with a white interior, and a reddish outer sheath that turns black with age. Wood decay caused by *Armillaria mellea* is usually confined to the root system, and seldom reaches more than 2 meters above the ground.

As with most fungi, *Armillaria mellea* produces a mushroom in autumn, and in the first part of winter in a milder climate. Mushrooms grow on or near infected wood that is undergoing decay. Mushrooms may grow in groups of up to 100 or more. When fully developed, the mushroom has a honey-to-grown colored cap, 4-15 cm across which is sometimes dotted with brown scales. On the underside, the gills are white-to-flesh-colored and produce spores that, in mass, are light cream in color. The stem is 2-5 cm in diameter, 5-15 cm long, and is also honey-to-brown in color.

Although spores are produced in great quantities, their role in spreading the disease is thought to be minimal. Some strains of *Armillaria* produce spores that can germinate and establish colonies in recently wounded trees, especially tree stumps. Once established locally, a given clone of the fungus can thrive for decades by feeding on the numerous dead and dying trees that occupy most stands. The fungus perpetuates itself mainly by vegetative growth and the expansion

1989 Woodswalk Schedule

Committee: Ruth Johnson, Mary McCarty, Earl Pfarner, Alec Proskine

JUNE 10—

Woods of Karen Anderson, Machias. Afternoon in nearby Arboretum. Bruce Robinson Forester. Karen's phone No. 716-353-8800. Address P.O. Box 306 Machias 14101.

JULY 29—

Woods of John Marchant and George Appleton — Wheeler and Avoca area.

John Marchant, 936 Little Pond Way, Webster, NY 14580.

George R. Appleton, 32 Peer St., Honeoye Falls, NY 14472

OCTOBER 14—

Catskill Forest Association, details to be announced. Contact person - Lou Tirrito (914) 586-3054.

of rhizomorphs. Some strains of *Armillaria mellea* have rhizomorphs that can colonize root surfaces of healthy trees, but only penetrate roots following a stress-induced chemical change. This change causes a shift from resistance to susceptibility. Defoliation of broad-leaved trees is one such stress, and causes depletion of starch and higher levels of glucose and fructose, as well as changes in amino acids in the tree's root system.

Armillaria root rot does have a beneficial role in nature however, as it contributes to the carbon cycle by decaying stumps and roots that have been left by logging and wind throws. By selecting inferior and unhealthy trees to attack, *Armillaria* thins out these individuals to make room for healthier, more vigorous trees.

Since it is ever present in most Northern hardwood forest stands, no practical direct measures exist for control of *Armillaria* root rot. The best defense against excessive losses to *Armillaria* (or most other tree disease problems), is to maintain a vigorously growing forest stand, and to protect it from the other pests that may act together with *Armillaria*. If trees are protected from repeated defoliation by pests such as the Gypsy moth or tent caterpillar, for example, high susceptibility to this root rot disease will be avoided.

Woodswomen's Contests Announced

BOONVILLE, NY — Lumberjack contest rules have been established for new event at 42nd New York State Woodsmen's Field Days to be held Aug. 18 - 20 at the Oneida County Fairgrounds in Boonville.

The first Open Championship Woodswomen's Contests will get underway at 2 p.m., Friday, Aug. 19 and events will include log rolling; bow sawing; pulp throwing; splitting; two-women crosscut; fire building and horizontal log chopping. Contestants vying for championship monies and trophy must enter and compete in five of the events offered.

Women interested in applying for registration should send qualifications to Woodsmen's office in Boonville. Deadline for registration is June 1.

Ask a Forester—

(Continued from Page 7)

sample-basis inventory (random plots or points), and in the latter case will provide additional statistical data (standard errors on an acre basis and %, and coefficient of variation by trees, ba, volume and dollars).

So here is what you need to do all of this:

Tool to measure dbh of stem
Tool to measure log height of stem
Tree marker
Dot-tally sheet
A good recorder (like your wife!)
Pulp and Saw program
Hardware requirements — IBM
PC/MS DOS 2.0+ with 256K RAM,
two disk drives and dot-matrix
printer.

And you can have loads of fun once you're familiar with the program. If any of you have a better program to answer the initial question, please let me know.

1. Silviculture of Allegheny Hardwoods (v. 2,3), a stand analysis, prescription and management simulator program for hardwood stands of the Alleghenies, developed and distributed by the Northeastern Forest Experiment Station, US Forest Service, Warren, PA. Most recent version 4.00.
2. Integrated Forest Management — edits cruise data, creates stand/stock tables, assesses stand value, performs growth projections, simulates harvests, analyses investments — developed by T.E. Hepp, J.F. Williamson, D.R. Holtzclaw for the TVA, distributed by Forest Resources Systems Institute, Florence, AL.
3. 122 Helton Court, Florence, AL 35360, (205) 767-0250.

That's what THRIFT members were treated to at the March meeting — the "Wright" hospitality and humor. And a very informative and interesting tour of Neil Wright's syrup making operation.

Neil recalled his early sugaring days "over in the mud hole", when visitors really had to rough it to watch him boil. Then he told of the "growing-pains" as the sugar house was moved and enlarged, and added onto and expanded and extended.

We saw the reverse osmosis machine which saves him about 50% on his fuel oil. It does this by filtering out some of the water content of the sap, leaving a sweet concentrate that

The Wright Treatment

boils to proper density much more rapidly.

The filtering system reminded him of a similar device used in the Pacific during WW II to desalinate water. Neil was captain of a tanker that refueled other ships and island bases during the war.

Today's reverse osmosis machine is a relatively new technology according to John Mahardy who works with Neil in the syrup business. The five-micron membrane separates the water

molecules from the sugar molecules, turning 3% sap into 7% concentrate.

Asked why they couldn't concentrate it even further, he explained that the membrane would begin to clog. "And it would be very expensive to replace."

Wright's syrup now bears the New York State Seal of Quality, which guarantees it is superior to industry standards. Every batch of syrup they process is tested by food inspectors, who then supply the Seal of Quality tag for the containers.

John Mahardy was on the board which set up the exacting standards that products must meet before they can wear that seal.

Inspect Trees Now—

(Continued from Page 6)

in the face of insect attacks is that harvesting creates stress in the forest stand from increased exposure to drying winds and sunscaled. Also cuttings increase the number of wood destroying beetles and pathogens. By postponing cutting until after the insect attacks have produced symptoms severe enough to warrant cutting.

Of the diseases of trees, forest owners can reduce economic losses by inspections of American beech and white ash. In June or later in the growing season, landowners can look for whitish masses created by the beech scale insect and the roughing of bark from nectria. If beech foliage turns yellow, it is an indication the beech will die from the beech bark disease. Such beech can be harvested in anticipation of their death, which follows by the next growing season.

White ash is declining from ash yellows disease. It is prudent to inspect white ash stands for thinning crowns, yellowish foliage, foliage appearing on the trunk of the trees and masses of branches (known as witches' brooms) at the base of the ash. Ash do not recover from the disease. Generally death of the infected ash occurs within five years of severe symptoms. Ash should be inspected during the summer months or, if gross features such as branch dieback and brooming are looked for, the observations can be made in the winter months.

Forest landowners south of Peekskill along the Hudson River and throughout Westchester County

should examine their eastern hemlock for woolly adelgids. Evidence of adelgid damage, although other insects cause similar damage, is crown thinning and premature needle drop. Branch tips dieback. Severe damage results in invasion of the hemlock bole with hemlock borers. Woodpecker feeding damage to the bark of infested hemlocks is an indication that the hemlock is severely infested with beetles and probably will not survive. The adelgids are small. For this reason, inspections of the undersides of hemlock foliage during mid to late February is useful to see the adelgid's egg sack. Egg sacks appear as q-tip masses along the branch tips. There is no practical control of adelgids on forest trees.

Keeper of the Woods—

(Continued from Page 3)

monotonous, and everything turns brown. When my son-in-law was visiting from California, he asked "how often do you water the lawn?" I told him I don't, it comes from the sky. He couldn't believe how green everything was, he said.

A hunter at an early age, he recalls tramping through the woods with his brothers before he was old enough to carry a gun. His love for the sport has continued throughout the years. "I don't care if I ever get a turkey. I love hunting," he said. He explains the deer hunting as "our own little conservation program right here," he said. He is a firm believer in being aware of the number of deer available for hunting and when the numbers are down, he won't have any hunters after them. "I have the advantage because

Name Parade Marshall

BOONVILLE, NY — Samuel R. Parmelee, Tupper Lake, will serve as honorary parade marshal during the 42nd New York State Woodsmen's Field Days Aug. 18 - 20 in Boonville.

Born in Pennsylvania and former resident of Syracuse, Parmelee received his education at NYS College of Forestry, Syracuse. After serving in US Army Corps of Engineers during World War II and attaining rank of captain, he worked for Draper Corporation in Tupper Lake as forester and later as plant superintendent.

Active in industry affairs, he is past president and honorary member of the Empire State Forest Products Association; former director and honorary life member of the Northeastern Loggers Association; director of the Woodsmen's Club for over 40 years and twice chairman of the Tupper Lake Field Days in early days of Woodsmen's event. He is past president of the NYS Society of American Foresters and during Korean War served on Office of Price Stabilization in Washington representing the softwood lumber industry in the northeast.

Parmelee will lead the Woodsmen's parade scheduled for Aug. 19 and receive plaque from Woodsmen's Club and Woodsmen's Corporation honoring him for 50 years he has dedicated to the forest industry.

"I know where they live," he said. His deer hunting club is often made up of an entourage of older men. "We have fun even if we don't get a deer," he explained.

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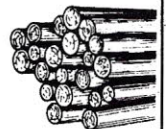
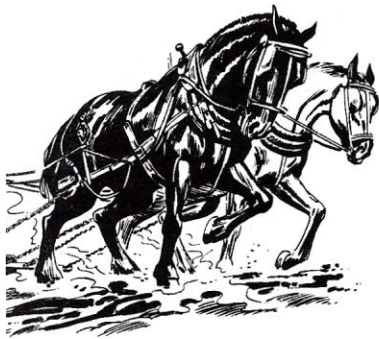
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- ★ Open Championship Lumberjack Competition Featuring:
Log rolling, one and two-man crosscut, bow sawing, horizontal log chop, standing block chop, axe throwing, Jack & Jill crosscut, tree felling, open class and modified stock chainsaw
- ★ Open Championship Women's Competition Featuring:
Log rolling, fire building, pulp throw, axe throw, two-woman crosscut, splitting, bow saw, and horizontal log chop
- ★ Skidding Competition Using Horses
- ★ Wood Craftsmen's Demonstrations
- ★ Canoe Races
- ★ Beards Contests



FOR INFORMATION: N.Y.S. Woodsmen's Corporations, PO Box 123, Dept. F, Boonville, NY 13309, 315/942-4593