

Pollination 2003

# Chestnut Mast



THE OFFICIAL NEWSLETTER OF THE CAROLINAS CHAPTER OF THE AMERICAN CHESTNUT FOUNDATION

*MAST: nuts (acorns) accumulated on the forest floor and often serving as food for animals (as hogs). -Merriam-Webster Dictionary*

## President's Message

Ron Myers

As I write this message I am challenged by the task of trying to find the right blend of words to motivate, captivate, and to delegate the responsibility of critical activities of our Chapter to more members. Remember this is your Chapter! Your participation through field projects, meetings, publicity events, and financial contributions will ultimately determine how strong a Chapter we can become. I feel that CC-TACF is gaining momentum as an organization, especially now that many more field projects with material from our Mother Tree program are being planted and tested. Sometime this year, we hope to have a long-term strategic plan developed for breeding work in the Carolinas that supports the Regional Adaptability work that Paul Sisco is helping to coordinate. For me, working with trees is the easy part. Finding creative ways to raise more funds to support our diverse program areas is the challenging part along with setting up good publicity and outreach events.

Outside of any fundraising events or special donations from members, our Chapter is only taking in \$15.00 from each membership level that goes toward our operating budget for programs. Our income from general dues revenue is not that much. The best way to help us financially is to remain a member and specifically earmark or designate any large donations or contributions to be used for the Carolinas Chapter of TACF. If you would like your donation to go to a specific program area such as education, publicity or the mother tree program,

just let us know. We are hoping to do more for our Charter members and long-time supporters along with setting up an endowment for future donations from members who want to see us continue our valuable work. We will need your help going forward to broaden our reach to potential members and to get the message out that there is a fun, active organization here in the Carolinas that is dedicated to bringing back the American chestnut tree. What do you want your Chapter to be?

As the Carolinas Chapter representative at the National level, our chapter has been working together with other chapters and with National to implement organizational changes to make TACF a stronger, more diverse organization. I attended a great board meeting in Pittsburgh recently, where cordial discussions and proposed changes were talked about in a productive manner. I was very pleased with the willingness of our leaders to hear Chapter comments and enlist the help of others. We are asking for you to help us in a similar manner.

## Results of Mailing to Christmas Tree Growers Send Paul on a Whirlwind Tour

Many thanks to those who joined the organization following our mailing to the Christmas tree growers. On March 11, Dr. Paul Sisco contacted many farmers who had responded to the mailing.

He first visited **Jeff Pollard**, who has a Christmas tree farm near the Gill State Forest at Crossnore. While there, Paul talked to **John Frampton** and his

students, who were digging up Fraser and other fir trees for planting in plots to test for resistance to *Phytophthora* root disease. Paul also met **Joe Shoupe**, who heads the seedling nursery at Crossnore and **Doug Hundley**, Avery County Extension Agent for Integrated Pest Management (IPM).

Paul next stopped at the farm of **Hugh Hagaman** in the Sugar Grove community of Watauga County. Hugh, a retired professor at UNC-Greensboro, offered an open field for planting chestnuts. Paul and student volunteer, William Phillips, were able to plant the field on March 27.

The next stop was Lees-McCrae College in Banner Elk, where **Gene Spears** showed Paul the library conference rooms where the 26 April Annual Meeting will be held. Gene next took Paul to the college farm near the Elk River, where Gene has a BC3 chestnut family planted. Trees are planted in the river's flood plain, so it will be interesting to see how they do in the long run.

Paul next headed northeast to the farm of **Steve and Jane Motsinger**, near Elkin, NC, in Surry County. Steve and Jane have extensive acreage on their flat-lying Piedmont farm where they would like to plant chestnuts. In the years 1850 to 1920, most American chestnut trees in the Piedmont were killed by a root-rot disease caused by *Phytophthora cinnamomi*, so Paul was concerned that it might be present on their farm. Paul, Steve, and Jane decided to plant some test plots. If the trees live at least a year, then the Motsinger farm will be an excellent site to plant more chestnut trees.

Paul ended the day at Newland, NC, where Avery County Christmas tree growers were having a  
(continued on p.2)

**CHESTNUT MAST**  
is the official newsletter of  
The Carolinas Chapter of  
The American Chestnut  
Foundation

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Southern Appalachian Regional Office  
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**Current Board**  
(Officers Highlighted Below)

Louis Acker  
John Frampton  
Jackie Greenfield  
Hugh Irwin  
**Joe James, Vice President**  
Don Myers  
**Ron Myers, President**  
**Gene Spears, Secretary**  
**Paul Sisco, Treasurer**  
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Bob Wilson  
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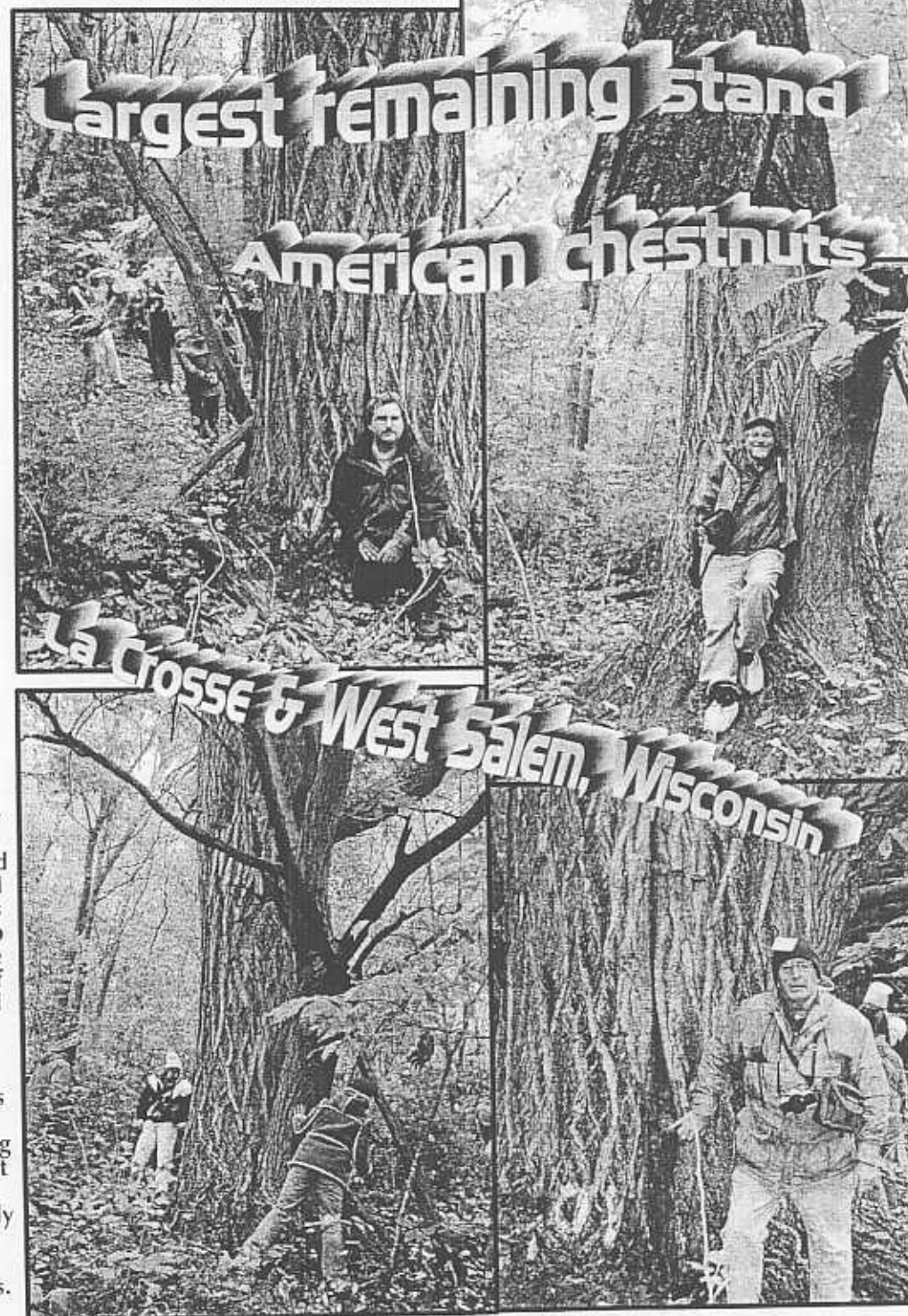
THE MISSION OF TACF IS SIMPLE:  
TO RESTORE THE AMERICAN  
CHESTNUT AS AN INTEGRAL PART  
OF THE EASTERN FOREST  
ECOSYSTEM THROUGH  
COOPERATIVE RESEARCH AND A  
SCIENTIFIC BREEDING PROGRAM.

Many thanks to Hugh Irwin for the montage at right. Hugh says that to see this chestnut forest was "a chance of a lifetime." CC-TACF was well represented at the meeting. Participants were asked to wear booties and clean clothes, so as not to introduce any additional blight to the stand. This forest, now in existence for almost a century, shows evidence of the blight, but it is also still easy to find healthy, large trees. The stand is important scientifically as the first real opportunity to study the course of the blight as it attacks a healthy forest. It is crucial to our understanding of the blight. Scientists have been introducing hypovirulence into this stand for almost ten years in an attempt to control the blight. It has slowed, but not completely stopped the spread of the fungus. Dr. Tom Volk spoke at the meeting about fungi that help the tree obtain nutrients.

(Mailing, continued from p. 1)

meeting with **Doug Hundley** and **John Frampton**. Paul spoke briefly to the group about the chapter's efforts to restore the American chestnut tree. After the meeting, **Bartlett Farmer**, who is 91 years old, recalled selling chestnuts and apples at a campaign rally for Herbert Hoover in Elizabethton, TN, while his father listened to Mr. Hoover's speech. Mr. Farmer said he "made a nice bit of money" on that long-ago day.

Paul said he arrived back home in Weaverville at 10:30 p.m. after a "full but rewarding day."





## CC-TACFs Charter Members

Larry F Allen  
Robert M Barker  
Buck and Joan Blessing  
Bill C Burnside  
Richard Cotton  
Douglas Deyton  
Edgar W Dunham  
Michael Foster & Linda Pinkerton  
William E Gardner  
Jackie Greenfield  
Pierre and Martha Holloway  
Hugh and Janice Irwin  
Suzanne and Stephen Jones  
John P and Phyllis Lund  
Jack Mahaney  
Carl Mayfield  
Bill O'Connor  
Phil and Liz Pritchard  
Sherman Runions  
James O Sitton  
Palmer Stacy  
Kenneth & Patricia Summerville  
Stephen A Timmons  
Robert and Dianne Wilson  
Tim Wright

Clay Ballantine and Kathryn Gubista  
Benemma Bentley Bailey  
Robert and Elizabeth Brannon  
Kim and Susan Carlyle  
John Dainotto  
Robert Doudrick  
W. Paul and Johnsie Dunn  
Elaine S Friebele  
Gerry Gilbert  
Sylvia B Hawkins  
Daniel E Huger  
Peter W Jaber  
Tom Konsler  
Ken Lynch  
Robert Masto  
**Stephen C Motsinger\***  
D. Carroll Parker  
Mark B Rogers  
Bob and Lynn Shields  
Charles H Sloop  
Bradford G. Stanback & Shelli Lodge-Stanback  
Donald R Surrence  
M.E. and Ellie Truebenbach  
John K Wilson  
Dorothy Yunker

Stephen Barilovits, III and Jane Laurents  
Joe Blanton  
Brent E Buchanan  
Ashley B Carter  
Ray A Daniel  
David and Joanne Drake  
Robert A Eidus  
Sadhvi and Sakshi Gantenbein  
William Gooch  
Dexter Hayes  
E. Paul Huisking, Jr.  
Jack A Johnston  
Land Trust for the Little Tennessee  
Forrest MacGregor  
Grace B Matthews  
Don Myers and Susan Wilson  
William and Eleanor Pope  
Charlotte T Ross  
Paul H Sisco, Jr.  
Alma K Spicer  
Mary Jean Taboloff  
Walter C Whaley  
Ben and Patty Woolf  
**\*Newest Charter Member**



To the left is Steve Motsinger on his land in State Road, NC, near Elkin in Surry County. Initial plantings will be test plots with American seedlings to see if we run into problems with root rot, since it is in the Piedmont.

To the right is a BC3 planting at the farm of Louis Acker and Allie Funk in Ashe County. Louis constructed a deer fence around the plot on former pasture land.

To the left is Gene Spear's BC3 planting at the Lees-McCrae College farm along the Elk River bottoms near Banner Elk. It will be interesting to see how the trees do in the bottom lands. So far at the Fletcher Station, they are growing faster on the twice-flooded bottom lands than they are on the clay hillside.

On the right is a BC3 planting of 48 trees at Elfland Trust, Big Sandy Mush, Buncombe County, home of Susan Wilson and Don Myers. Elevation 4000'. Photo was taken March 30 with 8" of snow.

The photo to the right is of a March 10 planting of 236 nuts at the Long Branch Environmental Center in Haywood County. It's at an altitude of 4200', so they are planting seed obtained from high altitude mother trees. The Blue-X shelters are 11" tall and come from a company in California. The blue light is supposed to help tree growth. The soil is very good here, because the land was only used for pasture and has suffered little erosion of topsoil.

The people are from left to right: Matt Schultz, intern; Walter Clark, Center Board Member, Paul Gallimore, Executive Director, and Brad Stanback, all affiliated with the Long Branch Environmental Center.



## Asheville Hosts National Event

The Grovewood Gallery presented **Fine Woodworks of American Chestnut-Restoring an Appalachian Tradition**. The opening reception was held on the evening of 7 March. Over 300 people attended. TACF sponsored the event with support from The National Forest Foundation and the James G.K. McClure Educational and Development Fund, Inc., and Harrah's Cherokee Casino. Artists from throughout the historic range of the American chestnut displayed their pieces from carvings and crafts to fine furniture. **Marshal Case**, Executive Director of TACF, was on hand to bring home the message of the organization: the once abundant chestnut, its historical importance to wildlife, the economy, and the social fabric of the Appalachians, and TACF's timeline for restoring the American chestnut to the forests. "We hope to begin setting out final test trees in large forest plots around 2006 or 2007," he said. The breeding program uses blight resistant Chinese chestnut trees that are crossed with American chestnut trees. The end product will be those trees selected for their blight resistance that are in all other respects pure American in form and will have the vigor of their American parents.

The show ran from 7 March to 3 April. Two other special events were also well received. An educational session on 15 March presented the breeding program. On 22 March, the Gallery held a gourmet chestnut food sampling with traditional Cherokee chestnut bread and chestnut desserts and hors d'oeuvres prepared by regional chefs. Chestnuts were provided by CGI Chestnuts, a Michigan based cooperative, and the Empire Chestnut Company in east central Ohio.

Many thanks to Grovewood Gallery and all those who worked hard to make the event a success. **Vanessa Osborne**, the Gallery's co-manager, noted this to be "the best turnout we have ever had at an opening reception." **Phil Pritchard**, TACF's Director of Development, and **Amy Ager**, exhibit coordinator, were pleased at the response from artists and participants. About half of the exhibiting artists were on hand at the reception, including three craftsmen from the Cherokee Nation. Stores and restaurants from the Grove Arcade provided complimentary food and beverages for the opening night reception. Biltmore Estate, where there is a planting of chestnuts, donated fine wines from their Winery. Braidstream, Asheville's own ensemble, played "Celtic to classic," to the enjoyment of reception participants.

Truly, the saga of the American chestnut continues, with gentle folk coming together to support its return.



Carolinas Chapter-TACF president, Ron Myers, showing off two fine American chestnut pieces that were on display at Grovewood Gallery from 7 March to 3 April, 2003.



### National Forest Foundation Grant to Aid Breeding Program

Paul Sisco

We've received assurances that the National Forest Foundation (NFF) will give The American Chestnut Foundation a substantial grant to help with pollination efforts in the Southern Appalachian Region this summer. Three student interns will work in the Carolinas -- two in western North Carolina and one in upper South Carolina. **Dr. Paul Sisco**, Regional Science Coordinator, will supervise the WNC student interns and **Dr. Patricia Layton**, Head of the Department of Forest Resources at Clemson University, will supervise the intern working in upper South Carolina. Another two interns will be working in Tennessee. The NFF grant will also provide funds for pollinating supplies, travel, and bucket truck and operator rental.

Be sure to report the location of any flowering American chestnuts to Dr. Sisco in the Southern Appalachian Regional Office. Phone (828) 281-0047 and Email <[a href="mailto:paul@acf.org">paul@acf.org>.

## Chestnut Tree Inventory in the Great Smoky Mountains National Park

Paul Sisco

The staff of the Great Smoky Mountains National Park has requested funds to make an inventory of chestnut trees in the Park this summer. **Kristine Johnson**, Supervisory Forester based in Gatlinburg, will lead the effort, which is part of the Biological Inventory now going on in the Park. Carolinas and Tennessee Chapter summer interns may participate by focussing on flowering trees that we may be able to use in our chapter breeding programs.

### PROJECT TITLE

Inventory of Surviving American Chestnut Trees in Great Smoky Mountains National Park

### PROJECT CONTACT PERSON

Kristine Johnson, Supervisory Forester

### DESCRIPTION

Abstract: The Park's genetic base for American chestnut is becoming increasingly important as the possibility of introducing resistant hybrids approaches. There are around 150 observations of chestnut locations in a database dating from the 1930's to present. Using this archival information as well as GIS predictive modeling, a search will be made to document individual trees large enough to bear fruit and any aggregations of trees over one hectare in size. These trees would then be readily available for genetic studies as well as for collection of scions for grafting.



## Chestnut Exhibit at the new I-26 Visitors' Center in Madison County

Paul Sisco

A large chestnut exhibit will be erected at the new visitors' center on Interstate 26, the new highway being built over Sam's Gap connecting Asheville with Johnson City, TN, and points north. Thanks are owed to **Stan Hyatt**, Resident Engineer, and **Ed Ingle**, Environmental Engineer, who made it all happen. Stan and Ed, both from old Madison County families, grew up hearing stories of the chestnut and were interested in telling this story to tourists entering western North Carolina on the new highway.

The new visitors' center itself is nestled in a beautiful spot, with the ridge of Black Mountain and Mount Mitchell clearly visible from the front door. The interior of the center is lined with cherry cabinets for rotating displays of our mountain heritage, and a large fireplace will add a friendly note in the wintertime.

Plans are to open the new highway on or about July 1, so stop in and see the display in the picnic table area. The visitor's center is on the southbound side of the highway coming in from Tennessee.



Photo above of the new I-26 Visitors' Center in Madison County taken during one of those January snowstorms that graced the area with four inches of snow.

Photo below shows three signs similar to those that will be erected at the new Visitors' Center to alert travelers to both the history of the area and how they can participate in restoration for a brighter future.



## Carolinas Chapter Mother Tree Committee Meets

On Saturday, 8 February, ten Mother Tree committee members gathered at the Southern Appalachian Regional Office of TACF for a short, morning meeting. The goal was to begin development of a strategic plan for the Carolinas Chapter breeding program. **Dr. Paul Sisco** outlined the basic plan of all TACF chapter breeding programs and handed out copies of the Pennsylvania Chapter's plan for 2003-2008. The goal of every chapter is to produce at least 20 BC3 Lines from each of two sources of resistance (Clapper and Graves) for each area of adaptation in the region. **Dr. Sisco** suggested three areas of adaptation based upon altitude for the Chapter, high (4000'+), medium (2500'-3500'), and low (1000'-2000'). The BC3 is the **Fourth Generation** in the Breeding Plan. Each BC3 line consists of 100 trees resulting from the pollination of an individual American chestnut tree or group of trees with a single BC2 tree from Meadowview. The progeny of a single BC2 tree is called a "line."

(Mother Tree continued)

20 Lines (100 trees each) x 2 sources of resistance x 3 areas of adaptation = 12,000 BC3 trees in 120 orchards of 100 trees each. Only the most blight resistant 2 or 3 trees from each BC3 orchard will be intercrossed to produce the BC3F2 seedling seed orchard for the **Fifth Generation** in the Breeding Plan. As many as 1500 seed from each BC3 x BC3 cross will be needed. With a single tree remaining after screening for blight resistance, the BC3F3 seed produced from this seed orchard will be the **Sixth Generation** and the seed to be planted widely first for testing and then for reforestation. These trees should be high in blight resistance. Additionally,

**Joe James** will look into blight resistance in chinkapin. **John Frampton** is screening for *Phytophthora* root rot resistance in American chestnut. **Louis Acker** and **Allie Funk** will be making crosses between superior American chestnut trees. **K.O. Summerville** and **John Frampton** will pursue techniques for pollen storage to allow proper timing for pollination. **K.O. Summerville** will also be working on silvicultural studies to determine best forest reintroduction methods. Members also discussed places to plant seed and to find mother trees. **Don Surrence**, **John Lively**, and **K.O. Summerville** will see if we can establish plantings at the DuPont State Forest. **Acker** and **Summerville** plan to draw up a list of Chinese and Japanese trees the chapter can use as additional sources of resistance. **Jack Johnston**, **Paul Vonk**, **Summerville**, and **Frampton** are studying various grafting techniques.

## Attention Current Growers

Be prepared to report on your plantings at CC-TACF's Annual Meeting at Lees-McCrae College in Banner Elk on Saturday, 26 April. Bring slides or overheads to illustrate your presentation.



## CC-TACF's Board of Directors Meets at the Southern Appalachian Regional Office.

On 18 January, 2003, an open Board Meeting at the regional office was called to order with a quorum present. **Don Surrette**, interested Carolinas Chapter Charter member, also attended. Agenda topics included recent and upcoming mailings to other organizations, annual budget, student membership, and the need for a Finance Committee and a Committee Chair for the Publicity and Outreach Committee.

**Phil Pritchard** addressed Board members about funding sources and the Woodworking exhibit held at the Grovewood Gallery from 7 March to 3 April. The exhibit had funding from the National Forest Foundation and displayed works in chestnut of three dozen artists. Perhaps you heard the announcements on WNCW or WCQS for the event.

Board members also discussed various events for Charlie Chestnut Education Week, from 31 March to 4 April.

Following a Dutch Treat Lunch across the street from the regional office at TK Tripps, Board members reconvened to form a Finance Committee of **Jackie Greenfield, Hugh Irwin, Paul Sisco, and Don Surrette**, who will look over the budget. Discussion in relation to the budget included liability insurance and funding an endowment to assist in covering expenses.

An Annual Meeting Committee of **Louis Acker, Joe James, John Frampton, and Don Surrette** was formed. The Annual Meeting will be 26 April at Lees-McCrae College for the Carolinas Chapter 2003 event. (See back page for more information.) We will be electing six directors at the 26 April meeting. The Nominating Committee, comprised of **Bob Wilson, KO Summerville, Hugh Irwin, and Gene Spears**, will be accepting nominations for these positions and determining a modified voting procedure.

A Mother Tree Strategic Planning Committee was formed to address where we want to be with chestnut restoration five years from now both with breeding and stand development. **Louis Acker, John Frampton, Joe James, Paul Sisco, and Gene Spears** met later on the breeding aspect of strategic planning. The Carolinas Chapter is currently looking for land to develop seed orchards for 20 lines x 2 lines of resistance. The current protocol for seed distribution is that seeds from a specific elevation are to go to areas at the same elevation for planting.

TACF's 2003 Annual Meeting will be held at State College, PA, 17-18 October.

## CC-TACF's November Fall Round-up at the Log Cabin on the campus of Warren Wilson College a well-attended success



Participants who braved the rain to share their ideas about chestnuts were well rewarded with great food and fellowship, interesting presentations, and hot chestnuts fresh from the roaster of **Sadhvi and Sakshi Gantenbein**.

After working out electrical glitches due to the weather, **Ron Myers**, Chapter President, used his laptop to show pictures of TACF's Annual Meeting that he had attended in October in West Salem, Wisconsin. The West Salem stand is the largest remaining stand of American chestnut trees. For those who attended, it was a pilgrimage. The ground was covered with chestnuts and they stuffed their pockets with seed. You can see these pictures for yourself on the Carolinas Chapter Website. Go to [www.carolinas-tacf.org](http://www.carolinas-tacf.org)

**Paul Sisco** presented a large map of the membership distribution over the two states. It was an effective visual display demonstrating the reasoning behind the chapter's choices in meeting sites.

**Sakshi and Sadhvi Gantenbein**, who have been wonderfully supportive of the efforts of TACF and the Carolinas Chapter, entertained participants with tales of the chestnut and what it was like to be the Marroni Man in Switzerland. Marroni is the Italian word for chestnut. As guests held the paper cones filled with warm, delicious Italian chestnuts for munching, Sakshi had us all laughing at his funny stories, antics, and experiences. It truly was "mast" for body and soul.

Many thanks to all those who participated and came together to make this such a memorable event.

Log Cabin  
Meeting  
participants lining  
up for hot  
chestnuts at the  
Gantenbein's  
Chestnut Roaster.  
It was a  
wonderfully warm  
treat for a chilly  
day.



## Nominees for the Carolinas Chapter-TACF Board of Directors April, 2003

### Louis Acker

Louis, an engineering geologist with the NC State Dept. of Transportation, coordinates the chapter mother tree and breeding program for northwestern NC. He previously worked as an exploration geologist in the Carolinas and eastern U.S. He and his wife Allie Funk live on a farm in the Ashe County community of Creston, NC. He is currently serving as a Carolinas Chapter board member.

### Steve Barilovits, III

Steve is an electrical engineer with Talon Logic Corporation, an integrated circuit design firm that he co-founded. He became interested in chestnut trees during hikes in North Carolina and Massachusetts with his son, Steve, IV, who at age 10 became the TACF's youngest full member. Steve, III, and his wife Jane Laurent live in Charlotte, NC, where she is on the history faculty of UNC-Charlotte.

### John Frampton

John is an associate professor and leader of the Christmas Tree Genetics Program in the Department of Forestry at N.C. State University. John has expertise in various aspects of tree breeding including: control-pollination, grafting, rooted cutting propagation, pest resistance screening and genetic field testing. John's office, lab and greenhouses are on main campus in Raleigh but he frequently travels to western North Carolina for field work. John has just served a one-year interim term on the CC-TACF Board of Directors.

### Joe James

Joe, an orthopedic surgeon, has been interested in wildlife since his college days at Clemson University and started working with chestnut trees over 10 years ago. He now serves at the Chapter Vice-President. Joe and his wife Sandy live on their farm "Chestnut Return" in Seneca, SC.

### Jack Johnston

Jack lives in Rabun County in NE Georgia and works as an RN in the ER for a hospital in nearby Stephens County. He has a B.S. in biology, employing this degree in his previous work with a museum of natural history and also in laboratory biology, as well as completing environmental assessments of properties. He spends a lot of time in the woods of NE Georgia, SW North Carolina, and north Alabama looking for surviving American chestnut trees. An amateur botanist, Jack has learned grafting techniques to help us increase the genetic diversity of our chapter breeding program.

### Don Surrette

Don is retired from Agfa Corporation, a film-making plant in Transylvania County, where he worked as a Controls Technologist. At their home in Pisgah Forest, NC, Don and his wife Norma are taking care of a BC3 orchard of chestnut trees. Don was co-founder of Carolina Mountains Credit Union, formerly DuPont Employees Credit Union, and currently serves on their Board of Directors. He enjoys working with wood and hiking.

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### Annual Meeting Registration

\*Fee: \$15.00 (\$5.00 for students) for each person attending. Number attending \_\_\_\_ x \$ \_\_\_\_ /person = \$ \_\_\_\_ total.

Specify name(s) of attendees below if different from those on the mailing label on the other side. Make your check payable to **The Carolinas Chapter of TACF**. Clip this registration form with intact mailing label on back and return with appropriate fee(s) to TACF Southern Appalachian Regional Office, One Oak Plaza, Suite 308, Asheville, NC 28801 not later than April 18.

\*Fee includes the catered luncheon. If you are going to pay at the door, please call ahead to Paul, 828 281-0047.



## Annual Meeting of Carolinas Chapter-TACF

Saturday, April 26th, 2003

10am to 3pm

\*Basement Auditorium, Library, Lees-McCrae College  
Banner Elk, NC

Registration Fee: \$15.00 (5.00 for students)

Fee includes the cost of the catered luncheon.

Make check payable to Carolinas Chapter-TACF

Send to: One Oak Plaza, Suite 308, Asheville, NC 28801

Registration at the door available by calling ahead, (828) 281-0047.

This meeting is open to anyone who wants to learn more about  
TACF's effort to return the American chestnut to our eastern forests.

Go to [www.carolinas-tacf.org](http://www.carolinas-tacf.org) for maps and directions.

**Keynote Speaker: Dr. Fred Hebard, Staff Pathologist**

Meadowview Research Farms

center for breeding work where controlled crosses are tested  
for disease resistance to chestnut blight.

Find out more about the backcross breeding program  
and the future of chestnut restoration.



**\*New Meeting  
Place!**



Chestnut Mast  
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Southern Appalachian Regional Office  
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Asheville, NC 28801

