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Urban Projects

From the Morgantown Field Office, USDA Forest Service
Serving the Mid-Atlantic States

NEW EXOTIC PEST IDENTIFIED IN MICHIGAN'S ASH TREES; STATE ISSUES QUARANTINE TO CONTROL, PREVENT ITS SPREAD

Michigan Department of Agriculture

July 16, 2002 – Michigan and federal officials announced the discovery and identification of a new exotic pest from Asia – *Agrilus planipennis*, or the Emerald Ash Borer – in five southeastern Michigan counties that affects ash trees. In response, state agriculture officials have issued a quarantine on all ash trees and timber products in the affected counties to help prevent and control the spread of this pest. Under this quarantine, ash trees, branches, logs, and firewood may not be moved outside the affected area unless certified for movement by the Michigan Department of Agriculture (MDA).



Emerald Ash Borer

Emerald Ash Borer adults are dark metallic green in color, 1/2 inch in length, and 1/16 inch wide. Larvae are creamy white in color and are found under the bark. Their appearance typically goes undetected until the trees show symptoms of being infested – usually the upper third of a tree will thin and then die back. This is usually followed by a large number of shoots or branches arising below the dead portions of the trunk.

Although it has not been identified in the Mid-Atlantic region, tree care professionals are urged to be on the alert for this beetle. For more information contact:

Steve Katovich, USDA Forest Service, NA SPFO, 1992 Folwell Avenue, Saint Paul, MN 55108
Tel: (651) 649-5264 Fax: (651) 649-5238; skatovich@fs.fed.us
The Emerald Ash Borer Pest Alert can be viewed at:

<http://www.na.fs.fed.us/spfo/eab/pubs/pa/emeraldashborer.pdf>



Galleries of Emerald Ash Borer larvae

FOREST SERVICE LAUNCHES ONLINE REGISTRY FOR 9/11 LIVING MEMORIALS

Washington, D.C. –The United States Department of Agriculture Forest Service launched an online registry of living memorials that honor those lost in the September 11th attack on America.

The registry is part of the Living Memorials Project sponsored by the Forest Service, which honors the memory of the thousands of innocent citizens and the heroism of the firefighting units, police force, and emergency personnel who lost their lives in the horrific events of September 11th.

A “living memorial” involves the planting of trees and creation of green space as a way to remember the heroes and the deceased of September 11th. *“Trees, water and nature can be powerful forces for reflection and healing,”* said Anthony Gardner, Chairman, World Trade Center United Family Group, one of the supporting organizations of the project.

The online registry www.livingmemorialsproject.net intends to capture living memorial projects nationwide. Individuals and groups will be able to submit site information, post images, and share experiences, thoughts, and triumphs.

“What better way to honor the lives of those fallen heroes than with the planting of new life,” said Richard Fox, firefighter and president of the Emergency Medical Services (EMS) Memorial Foundation.

Not well known to the public is the fact that more than 500 Forest Service employees provided rescue and recovery efforts at the World Trade Center and the Pentagon for weeks and months after September 11th. *“The men and women of the Forest Service support memorial tree planting projects and will do everything to make them successful and to demonstrate our resiliency as a people,”* Joel Holtrop, Forest Service, Deputy Chief for State and Private Forestry, said.

The Forest Service, through its Urban and Community Forestry program, works in cooperation with state forestry agencies to provide technical assistance in the planting and care of community trees and forests. For more information, visit the website at www.livingmemorialsproject.net.

Find a certified arborist in the Mid-Atlantic region (WV, DC, MD, VA) at:
www.Goodtreecare.com

REGIONAL BMP MONITORING PILOT PROJECT

A regional best management practices proposal submitted by the Maine State Forester has been funded with a focus funding grant. The Northeastern Area Association of State Foresters, the NASF Water Resources Committee, the U.S. Forest Service, and the Maine Forest Service Department of Conservation support the project. It is currently being tested in pilot states to determine which monitoring methods can be standardized and provide reliable information. The collected data will demonstrate what practices during and after timber harvests are most effective in protecting water quality. Pilot states in the Mid-Atlantic include Maryland, Ohio, Pennsylvania, and West Virginia. Training in New York, Maine, and New Hampshire was completed in June. Karen Sykes, Watershed Specialist, Morgantown Field Office, will deliver the training to the Mid-Atlantic States later this summer.

FOREST SERVICE PROJECT FEATURED AT FORUM BY PENNSYLVANIA HORTICULTURAL SOCIETY'S GREENSOURCE PROGRAM

The Forest Service’s Urban and Community Forestry program funded *From Spaces to Places: A Neighborhood Action Plan*. This Greensource event on April 9 was the fourth in a series on community-based revitalization plans featuring open space. Presenters included: Patrice Carroll, FS Metropolitan Initiative Coordinator; Carolyn Placke, Director of Community Development for Project HOME; Anita Lager, Principal of Lager Raabe Sckafte Landscape Architects; and Mark Keener, Principal of Brown & Keener Urban Design. The project team worked with community residents to identify and prioritize new opportunities for open space and tree planting in a neighborhood with a large inventory of vacant lots. The project also included implementation of several demonstration sites that used simple landscape and tree planting designs to encourage community stewardship and discourage illegal dumping. The 40 attendees at the forum included landscape architects, planners, architects, foundation program officers, city agencies, and community activists.

Learn about the Pennsylvania urban forestry council, recent success stories, grant requirements, and regional community tree associations at:
www.4trees.cas.psu.edu

FOREST SERVICE URBAN AND COMMUNITY FORESTRY PROJECT FEATURED IN PBS FILM

The Forest Service Urban and Community Forestry Project featured on the PBS Film "What's Up with the Environment" is an educational video and teacher's guide produced by WNET (Channel 13 in NYC). The program aired on WHYY on Sunday, April 21, at 1:30 p.m. One segment on the beneficial uses of bio-solids featured Liberty Lands, a project funded by the USDA Forest Service's Urban and Community Forestry program. Patrice Carroll, Metropolitan Initiative Coordinator, helped connect the producers with the community residents featured in the segment. Producers were thrilled to include the story of a former brownfield transformed into a 2-acre community greenspace with over 150 trees. Chief Bosworth visited Liberty Lands during his recent visit to Philadelphia.

JOHN PARRY RECEIVES SHARON OSSENBRUGGEN AWARD

John Parry, Urban Forester for the Durham service area, was bestowed with the Fourth Annual Sharon Ossenbruggen Award, which recognizes an outstanding Durham Field Office employee. On May 2, in the crowded Durham conference room, to the sound of rain and applause, last year's winner Tom Luther presented John with a plaque, a certificate, and an IOU for the award money. Deirdre Raimo, acting as host, described why John was selected: *"His diplomacy is exhibited in his deceptively casual way of asking the tough questions, his friendly demeanor, and his subtle sense of humor."* John graciously said in accepting the award, *"Sharon has a reputation throughout the region, and she is still remembered. To receive an award named after someone with her reputation is a real honor."*

The award was established in memory of Sharon Ossenbruggen, who worked in both research and State and Private Forestry at the Durham Field Office. Fellow employees nominate award candidates. A committee of peers reviews the nominees for five attributes that



Last year's recipient, Tom Luther, presents John Parry (r) with the Fourth Annual Sharon Ossenbruggen Award. The plaque will be displayed in the Field Office lobby.

Sharon so wonderfully exhibited: creativity, innovation, leadership, diplomacy, and dedication.

INVENTORY TRAINING IN BALTIMORE

David Bloniarz, Northeast Center for Urban Forestry, recently led a training program for two Parks and People Foundation interns who are conducting a street tree inventory in Baltimore, MD. The inventory, funded by a civil rights grant to the Morgantown Field Office, will include mapping and assessing trees growing in two neighborhoods. Mary Cox, Parks and People Foundation, and Anne Cumming, Urban Forester from the Morgantown Field Office, attended and assisted Dave with his session. The program included classroom and field instruction, covering topics such as tree condition assessment, tree identification, and data collection procedures used to conduct the inventory. Sabrina Hudson and Lawrence McCoy, both college students in the Baltimore area, will be completing the inventory in early August. Neighborhood residents and staff from the Parks and People Foundation will use the data as part of a green space and urban forest management plan.

MORGANTOWN EMPLOYEES ASSIST WITH NATIONAL FIREFIGHTING EFFORTS

Eight Morgantown employees from both NA and NE were involved in June and July with national firefighting efforts. The western fires have demanded various skills, and many people, including some Morgantown staff, have volunteered to meet the challenge.

Dan Kincaid, Morgantown Field Office IMA Group Leader, served as a Fire Information Officer in Castle Rock, CO, for the Hayman Fire on the Pike/San Isabel National Forest. **Melissa Emerson**, Administrative Assistant, served as a Timekeeper in Walker, CA, for the Cannon Fire on the Humboldt/Toiyabe National Forest. **Karen Felton**, Wildlife Biologist, served as a Timekeeper near Nogales, AZ, for the Walker Fire on the Coronado National Forest, and on both the BMG Fire and Trampas Fire on the Sante Fe National Forest in New Mexico. **Rod Whiteman**, Forester, served as a Helicopter Manager near Show Low, AZ, for the Rodeo/Chediski Fire on the Apache-Sitgreaves National Forest, and at Lake George, CO, for the Hayman Fire on the Pike/San Isabel National Forest. **Georgia Beal**, Property Officer, served in Expanded Dispatch at the National Interagency Coordination Center in Boise, ID. **Tinathan Coger**, Public Affairs Specialist, served as a Dispatcher at the Eastern Area Coordinating Center in St. Paul, MN. **Toni Jones**, Computer Programmer, served as a Dispatcher at the Eastern Area Coordinating Center in St. Paul, MN. **Roxane Palone**, Watershed Planner, served on a Fire Rehabilitation Planning Team for the Regional Office, R-2, focusing on efforts to rehabilitate private lands affected by the summer fires in both Wyoming and Colorado.

MID-ATLANTIC CENTER FOR URBAN FORESTRY AT KEYSTONE COLLEGE

Donna Murphy, Center Coordinator, USDA Forest Service

MID-ATLANTIC AREA AWARDED SIX "INNER CITY" GRANTS

The Mid-Atlantic Area was well represented in the recent round of Inner City Grants. Six Mid-Atlantic applicants received a total of \$230,000 in awards. Thirteen projects were funded in the Northeastern Area totaling \$585,000. The grant program supports inner city projects that generate and document innovative approaches, tools, and products that can be used by States and other partners to meet the needs of their inner city constituents.

Shaw Anacostia Greening, Green Jobs, Strong Communities

Community Resources – Funding: \$75,000

This on-going, comprehensive, inner-city community forestry project will work in two of Washington D.C.'s most underserved neighborhoods to improve environmental conditions, provide green jobs to minority and lower income residents, and strengthen community bonds. The project addresses inner-city greening, stewardship, vacant lands, and green technologies.

Green City Strategy: Trees for Strawberry Mansion

Pennsylvania Horticulture Society – Funding: \$60,000

The Pennsylvania Horticultural Society's Philadelphia Green, in partnership with the City of Philadelphia's Neighborhood Transformation Initiative (NTI), will collaborate to demonstrate the importance of tree planting and conversion of vacant land to greenspace in the Strawberry Mansion neighborhood of Lower North Philadelphia, one of the city's most distressed neighborhoods.

Model Business Plan for Inner City Wood-Waste Reutilization

American Forests – Funding: \$34,000

American Forests will draw from national expertise, engage the residents of East and Northwest Baltimore, and bring together multiple local and national partners to focus on business opportunities that would utilize wood waste from inner cities. This replicable approach will facilitate the use of community-based forestry principles that enhance ecological health and spur economic recovery in inner cities.

Cobb Creek Greening Project

New Jersey Tree Foundation – Funding: \$31,000

The Cobb Park Greening Project is a tree planting demonstration project that will instruct and assist the City of Paterson in writing and implementing a 5-year Community Forestry Management Plan, while simultaneously beautifying a blighted neighborhood and urban park with shade trees.

Sustainable Model for Comprehensive Community Forestry in Baltimore, Maryland

Parks & People Foundation – Funding: \$15,000

The Parks & People Foundation and its key city and community partners will develop a business plan to serve as an integrated model for creating a tree nursery on vacant land utilizing new technologies developed at Cornell University.

DC Trees Inventory - Inner City Outreach Initiative

Casey Trees Endowment Fund – Funding: \$15,000

The GCA Casey Trees Endowment Fund is leading the Trees Inventory for the District of Columbia using a grassroots strategy based on community volunteers and student interns. The model inventory will engage inner city residents in the inventory process and provide training in the use of advanced inventory technologies.

GEO-REFERENCED SPATIAL REPORTING DATABASE PROJECT NOW USING IMS TECHNOLOGIES

After serious consideration, the Morgantown Field Office GIS and Database Specialists determined that using new ArcIMS (Internet Map Server) technologies was a much better development approach for the geo-reference reporting database project currently underway. This new technology allows GIS to be delivered over the Internet. When the project is complete, urban and community forestry program personnel will be able to access a website and generate maps using their own data, without having GIS software. This will enable quick response in reporting, help promote accomplishments, and result in more frequent and fact-based communications for the Mid-Atlantic States and DC.



AMERICAN HERITAGE RIVERS

Steve Davis, River Navigator, USDA Forest Service

[Editor's note: In this issue we welcome a new feature focused on the American Heritage River in the Mid-Atlantic region: the Cuyahoga River in Ohio. Funding for this project is provided by the USDA Forest Service Urban and Community Forestry Program.]

CUYAHOGA HOLDS RIVERDAY

Over 1,500 people turned out on May 18th for the twelfth annual RiverDay celebration, a series of 21 community events sponsored by Friends of the Crooked River throughout the Cuyahoga watershed to help celebrate, clean up, and educate the public on the blessings and challenges of their river.



River communities hosted a variety of river displays in community buildings, tents were erected along the river for a variety of programs, fish shocking demonstrations were carried out by the Ohio Department of Natural Resources, the U.S. Coast Guard and volunteers swept the lower river for garbage and debris, hikes were held along the river, and canoes were launched.

Major contributors included the USDA Forest Service's Northeastern Area Office, which provided a grant for the printing of the RiverDay brochures, and the Cuyahoga American Heritage River, which administered the grant and provided event-planning assistance to local communities. Local businesses, the National Park Service, the U.S. Coast Guard, and State and local government agencies provided other contributions and assistance.

CUYAHOGA RIVER COMMUNITY PLANNING AWARDED \$25,000

The USDA Forest Service awarded two grants totaling \$25,000 to the Cuyahoga River Community Planning Organization. The first grant for \$10,400 for watershed graphics, education, and planning projects included \$3,500 for land cover graphics, \$2,500 for tributary watershed maps, \$2,500 for outreach educational materials for fledgling watershed groups, \$1,500 for distribution to Friends of the Crooked River for the printing of RiverDay brochures, and \$400 to NEFCO for the educational Riverscape activities in Mantua. The second grant for \$14,600 will be used for Cuyahoga American Heritage River interpretive information posters and the placement of GIS and Landsat tributary data on CDs and a website.

GREAT LAKES BASIN GRANT AWARDED

The Portage Soil and Water Conservation District was awarded a \$13,500 Great Lakes Basin Program for Soil Erosion and Sediment Control Grant to implement a Best Management Practices training course for northeastern Ohio counties to reduce erosion from rural roads. This project was initiated in 2000 with a USDA Forest Service grant for a rural runoff brochure. The brochure, produced by the four northeastern Ohio counties, was extremely popular and raised the awareness of other counties so high that they requested more training for their personnel on Best Management Practices. Now, instead of reaching just four counties, the training now reaches all nine counties in the Western Reserve RC&D Area.

NEWS FROM THE MID-ATLANTIC STATES

WYE OAK, NATIONAL CHAMPION OAK, TOPPLES IN MARYLAND STORM

Glendening and DNR will salvage, clone, and preserve

Annapolis, MD (June 7, 2002) - Moving aggressively to save a part of Maryland's history for future generations, Governor Parris N. Glendening today announced a coordinated effort to salvage and preserve what remains of the State's beloved Wye Oak tree. The 460-year-old tree was brought down during severe storms June 6, 2002. The Maryland Departments of Natural Resources (DNR), Transportation (MDOT), and Agriculture (MDA) are on the scene in Talbot County collecting bud wood to attempt to clone the tree, and collecting leaves, stems, and wood to preserve and find an appropriate use to match the Wye Oak's historic value to the State.

"It stood tall and proud for 460 years, but nature has now taken away one of Maryland's most treasured symbols," said Governor Parris N. Glendening. "We are committed to preserving the Wye Oak, its majestic spirit, and its place in history. I have directed our State agencies to work together to save as much of the tree as possible. By preserving the wood and leaves and using the buds for cloning, we will ensure that the stately Wye Oak will grace us with its presence for generations to come."

The State agencies, which have been on the scene since the tree was felled, are currently consulting with experts and collecting tree branches, leaves, and the trunk of the Wye Oak. Bud wood from the tree is being collected in an effort to produce as many clones as possible.

A Wye Oak cloning project has been underway since 2000, and there are currently at least 20 Wye Oak clones growing at the state forest nursery in Preston, Maryland. The first two Wye Oak clones were planted at Mount Vernon this past April. No other Wye Oak clones exist.

The 460-year-old Wye Oak was recognized as the largest white oak in the nation and was one of the original "Champion Trees" named in 1940 by the conservation group American Forests. Purchased by the State and named the State Tree in 1939, the Wye Oak stood 79 feet tall with a circumference of 31 feet, 10 inches. Since its beginning in the 1500s, the tree saw the birth of a nation and survived countless thunderstorms, tornadoes, diseases, and the threats of modern development.

NEW JERSEY COMMUNITY FORESTRY COUNCIL GROWS TREE BUDGET TO \$2 MILLION

The New Jersey Community Forestry Council is working with Senator Robert Littell in support of Bill S734, which would allocate \$2 million annually to support the Shade Tree Commission's activities for community forestry. The bill has been introduced and is currently in subcommittee review. The Council hopes that as Bill S734 progresses through the 2-year legislative process and committee review, the current fiscal situation will improve. If passed, the bill would raise funding for community forestry from \$1 million to \$2 million annually. The full text of the bill can be viewed at http://www.njleg.state.nj.us/2002/Bills/S1000/734_11.HTM.

WEST VIRGINIA JOINS THE CHESAPEAKE BAY PROGRAM

On June 18, 2002, Governor Bob Wise officially committed West Virginia as the "headwaters partner" in the Chesapeake Bay Program – the federal-state partnership directing the protection and restoration of the Nation's largest estuary. West Virginia officially became a partner at the table joining other states that have voluntarily agreed to maintain and protect the Potomac River Watershed. Governor Wise signed a Memorandum of Understanding committing the state to working with the Bay Program to improve water quality in the Bay and its tributaries, as detailed in Chesapeake 2000, the Bay-wide protection and restoration agreement signed in June 2000. More than 3,500 square miles, or about 15 percent, of West Virginia drains into the Bay through the Shenandoah and Potomac Rivers.

PENNSYLVANIA BUDGET DOUBLES GROWING GREENER FUNDING TO \$1.3 BILLION, EXTENTS TO YEAR 2012

The Pennsylvania state budget signed into law by Gov. Mark Schweiker last week doubles the funding committed to the Growing Greener Program to \$1.3 billion, extends the program to 2012, and provides a specific, dedicated source of funding.

The extension and doubling of funding for the Growing Greener Program was made possible by the adoption of a new \$4 per ton tipping fee on solid waste disposed at Pennsylvania's municipal waste landfills. The first \$50 million of revenue from the fee this fiscal year will go to Growing Greener and next fiscal year and beyond all the

revenue generated by the fee will be dedicated to Growing Greener.

For more information on the Growing Greener Program, visit DEP's website at: www.dep.state.pa.us or call (717) 705-5400.

UNIVERSITY OF PENNSYLVANIA HOSTS SYMPOSIUM ON URBANIZATION

The Landscape Architecture Foundation is leading an analysis of the future of the landscape architecture profession, called the Landscape Futures Initiative. The Initiative will identify how the design and planning professions need to evolve to provide policy leadership, vision, and inspiration. The first Landscape Futures Initiative symposium, the Urbanization Symposium, was hosted and organized by the University of Pennsylvania April 5-6. One product of the symposium will be a publication that addresses what the implications of urbanization mean for the practice and teaching of landscape architecture and for public policy affecting land and the environment. Next year's symposium, hosted at the University of Virginia, will focus on Culture and Technology.

URBAN ECOSYSTEM ANALYSIS FOR THE WASHINGTON DC METROPOLITAN AREA – *An Assessment of Existing Conditions and a Resource for Local Action just Released*

American Forests conducted an urban ecosystem analysis of the Washington DC metropolitan area to build a “green infrastructure” data layer for use in community planning and development. The data from this 635 square-mile area is now available for use by over 100 cities and towns within this area. Used in conjunction with American Forests CITYgreen software, this green data layer can now be accessed for modeling management scenarios and making day-to-day decisions about planning and growth management. The data collected are unique because they contain both the green and gray infrastructure. Adding this data layer to the decision making process introduces a new dimension to planning discussions. The assessment was a partnership effort between the USDA Forest Service, the Casey Trees Endowment Fund, the National Capital Planning Commission, and the DC Urban Forestry Administration.



Photo: A. Cumming, 2001

NEW FACES:

WEST VIRGINIA'S NEW UCF STAFF

Andy Sheetz, West Virginia Division of Forestry, Urban and Community Partnership and Outreach Coordinator.

A Penn State University graduate with a B.S. degree in General Agriculture, Andy worked for Brickman Industries for 8 years in the Laurel, MD, office. After managing a small landscape company in Beckley, WV, and working with the WV Soil Conservation Agency as a Non-Point Source Environmental Technician, he earned an M.S. degree in Environmental Science from Marshall University in 1999. Andy then managed the Landscape Department at Marshall University before starting with the WV Division of Forestry in March of 2001. Andy can be reached at his office at 1900 Kanawha Blvd., Charleston, WV 25305, (304) 558-2788, asheetz@gwmail.state.wv.us

Jennifer Brashears, West Virginia Division of Forestry, Urban and Community Forestry Technical Specialist.

Jennifer started in May 2002 as the new Urban Forestry Technical Specialist with the West Virginia Division of Forestry. She is originally from Virginia, and graduated from Bridgewater College with a B.S. degree in Biology. Jennifer worked 3 years as Program Coordinator for the Municipal Tree Restoration Program while attending graduate school at West Virginia University. Her primary duties are to provide technical assistance to communities across the state regarding urban forestry issues such as planting, pruning, tree species selection, hazard tree management, tree inventories, management plans, and tree ordinances. Jennifer also assists Bob Hannah with the Municipal Tree Restoration Program, National Tree Trust, and Tree City USA programs. Jennifer has taken on the responsibility as editor for the Urban Forestry Council newsletter, and is currently working on a series of presentations and training. Jennifer Brashears can be reached at West Virginia Division of Forestry, 1 Depot St., Romney, WV 26757, (304) 822-4512 or wvdof2@access.mountain.net.

DELAWARE FOREST SERVICE WELCOMES NEW STAFF MEMBER

The Delaware Forest Service (DFS) is pleased to welcome **Mindy Hidenfelter** as the new urban and community forester serving New Castle and Kent Counties. Mindy, a certified arborist, holds an M.S. degree in Resource Administration and Management from the University of New Hampshire and a B.S. degree in Forestry and Wildlife from Virginia Polytechnic Institute. Prior to joining DFS, Mindy worked as the environmental coordinator for a non-profit group in the Blackstone Valley of Rhode Island. To reach Mindy, please contact our Blackbird State Forest Office at (302) 659-6704.



MONEY DOES GROW ON TREES: FOREST SERVICE ASSIGNS DOLLAR VALUE TO U.S. URBAN TREES

Baltimore Trees Most Valuable

*By Lynn Campbell Wingert, Director of Communications,
Northeastern Research Station*

The United States has \$2.4 trillion worth of trees in city parks, urban backyards and even vacant lots, according to the first survey of the nation's urban forests, by U.S. Forest Service scientists at the Northeastern Research Station. The findings were published in the *Journal of Arboriculture*.

The survey tabulated tree value by state. Georgia leads, with \$146 billion worth of trees within its urban areas, followed by Alabama, Ohio, Florida, and Tennessee. Virginia, Illinois, California, Pennsylvania, and New Jersey round out the top ten.

The study, led by Research Forester David J. Nowak, of Syracuse, used landscape appraiser methods to determine costs to compensate owners of trees lost to catastrophe, such as infestation from the Asian Longhorned Beetle, a tree killer that has been found in New York and Chicago. Calculations are based on four tree and site characteristics: tree trunk area, species, condition, and location. Compensatory values may be used to justify and manage resources, and set policies related to management of urban trees.

"Urban forest resources are significant, not only in the number of trees, but in their value and the number of people affected by them," according to Dr. Nowak. Trees cover more than a quarter of the total urban area of the U.S. Three and a half percent of the U.S. is urban.

The survey also tabulated tree value in eight cities: New York City has \$5.2 billion worth of trees, followed by Atlanta (\$3.7 billion), Baltimore (\$3.4 billion), Philadelphia (\$1.8 billion), Boston (\$1.3 billion), Oakland, CA (\$757 million), Syracuse (\$525 million), and Jersey City, NJ (\$101 million).

The average value per urban tree ranged from \$394 in Atlanta to \$1,187 in Baltimore. And you thought your holiday tree was expensive!

Dr. Nowak is now studying the value of urban trees based on the functions they perform, such as aesthetics, pollution removal, and temperature modification, which will be linked with the compensatory values in a future study.

FIRST-YEAR RESULTS SHOW TREES' EFFECT ON BALTIMORE AIR QUALITY

Cub Hill, Baltimore, MD - While people in the Cub Hill section of Baltimore go to work in the morning, sleep at night, and relax on the deck during the weekend, information about the air in their neighborhood is being quietly gathered by the first permanent urban forest research tower in the nation.

The former fire observation tower stands two times taller than the tallest tree in the neighborhood. A year ago, Forest Service scientists with the Northeastern Research Station instrumented and began operating the tower to measure fluctuations in carbon dioxide gas, the primary component of greenhouse gases that are believed to contribute to global climate change.

Results from the first year, tabulated through May 31 and released July 1, found that the patches of forest in leafy Cub Hill have substantial impact on the amount of carbon dioxide in the air. For all months when leaves are on the trees, the site acts as a "carbon sink," where the trees take up more carbon than is produced in the urban environment. When trees shed their leaves in the fall there is reduced uptake by lawns and evergreens. Results also indicate the area has higher levels of carbon dioxide during the workweek than on weekends, and higher levels during daily rush hour traffic.

"We have found that trees in this forested urban area effectively take up carbon dioxide and contribute to better air quality," said John Hom, deputy manager for the Forest Service's Global Climate Change program. "This is the first long-term study of carbon dioxide fluxes in a complex terrain that includes buildings, cars, and houses in an urban environment. The permanent tower will help us identify trends that may slow the accumulation of carbon dioxide in the air."

The average global level of carbon dioxide in the air is about 370 parts per million (ppm). The average concentration at the top of the Cub Hill tower is 385 ppm; at the bottom it is 390 ppm, with peaks of more than 475 ppm. Monitoring stations in Baltimore city center, where there is less tree cover, average 511 ppm.

U.S. urban forests currently store about 775-million tons of carbon and have a greater per-tree effect on greenhouse gas reduction than non-urban trees. Scientists look increasingly at urban forests – all trees and shrubs within the boundary of an urban area, including parks and backyards – for studying global climate change. Cities are major sources of carbon dioxide, produced by burning fossil fuels, coal, and wood.

BURLINGTON-BASED RESEARCHER RECEIVES PRESIDENTIAL AWARD

The White House has announced that Dr. J. Morgan Grove, researcher with the USDA Forest Service's Northeastern Research Station in Burlington, VT, is a recipient of the Presidential Early Career Awards for Scientists and Engineers, or PECASE, for 2001. The award was presented on Friday, July 12, at a White House Ceremony.

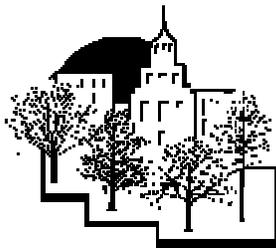
The PECASE was established in 1996 to honor the nation's most promising young researchers. The scientists and engineers are nominated by their agencies, which award the researchers up to five years of funding to continue their work critical to government missions.

Grove is being honored for his work in urban ecological research. He has contributed significantly to the success of the Baltimore Ecosystem Study (BES) – winning large research grants, producing numerous

publications, and addressing the needs of the community while conducting high quality science. He has expanded his reach to colleagues through symposia, writings on interdisciplinary research, and developing an Open Research System to share data and methods with the research community.

Though the project is based in Burlington, Grove works mainly out of the BES offices in Baltimore, MD. The BES is part of the National Science Foundation's Long-Term Ecological Research Network. The project looks at both the built and natural ecosystems of Baltimore as part of an overall ecological system and seeks to understand how these ecosystems work, and how they change over time. Researchers from the biological, physical, and social sciences as well as from a number of research and educational institutions collaborate on the project. The knowledge they develop is returned to the Baltimore community through community-based and educational activities.

NATIONAL URBAN AND COMMUNITY FORESTRY ADVISORY COUNCIL (NUCFAC)



GRANTS IN THE MID-ATLANTIC REGION

August's Featured Projects:

Our Heritage of Community Trees — 2001 Creative and Innovative Projects

A booklet, "Our Heritage of Community Trees," will be published and distributed to describe the intriguing, centuries-old history of how trees came into our urban landscapes in Europe and America, how arboricultural practices evolved, and how urban forest management systems were developed to care for community trees. Henry Gerhold and graduate student Stacy Gausch already have completed a thorough literature review. Reproductions of old etchings and paintings will make the booklet attractive to the intended audience - people who will be inspired to look anew at trees in their communities and challenged to convince community leaders to care for trees properly. This book was completed in the spring of 2002 and is available from the Pennsylvania Urban and Community Forestry Council. For further information, contact Henry Gerhold, Pennsylvania Urban and Community Forestry Council, 109 Ferguson Building, University Park, PA 16802. Phone: (814) 865-3281. E-mail: hdg@psu.edu.

Continued on page 10

NUCFAC continued:

Dissemination of an Approach to Integrate Urban Tree Planting into State and Federal Air Quality Improvement Programs — 2001 Creative and Innovative Projects

Two previous NUCFAC grants have propelled the integration of urban tree planting in New York into a potentially viable strategy to reduce air pollution within state and federal air quality regulations. We propose in this grant to create the materials to disseminate nationwide the approach that we have developed so urban forest management and tree planting can be used in other states as a viable strategy within state and federal regulations to purify the air. Successful integration of tree planting using this approach into a State Implementation Plan could mean funding for the management and planting of millions of trees annually from non-governmental sources. For further information, contact Christopher Luley, Davey Resources Group, 6050 Hicks Road, Naples, NY 14512. Phone (716) 394-9460. E-mail: cjluley@davey.com.

Integrating a High-Powered Urban Forest Benefits Model in a User-Friendly, Public Domain Program — 2001 Creative and Innovative Projects

UFORE, or the Urban Forest Effects Model, is a powerful, scientifically accurate program that estimates the benefits of urban vegetation. However, because of its programming, UFORE's use is limited. We propose to develop user-friendly programs and materials that will allow urban forest managers and others to setup UFORE and to present results from completed projects in easy to understand formats. These materials will be accessible through a website containing a demonstration of UFORE's capabilities, a national map of tree cover in cities, and the presentation program. The project also includes map-based presentation formats such as GIS that could be used by established programs such as American Forest's CityGreen. For further information, contact Christopher Luley, Davey Resource Group, 6050 Hicks Road, Naples, NY 14512. Phone: (716) 394-9460. E-mail: cjluley@davey.com.

Using Community-Based Urban Forestry to Create New Jobs for Lower-Income Urban Residents: A National Demonstration Project in Washington, DC — 2000 Creative and Innovative Project

This project directly addresses the economic needs of lower-income residents of two of Washington, D.C.'s disadvantaged neighborhoods. It will train and place residents in green jobs, build local businesses, green neighborhoods, and strengthen communities through a national urban forestry demonstration initiative. Located in the heart of the nation's capitol, Community Resources' D.C. Greening - Green Jobs project will have widespread exposure as an urban forestry initiative of national significance. A planning grant from the Ford Foundation (their first urban forestry grant) has already been received. We expect this project will lead to other new sources of funding for urban community forestry from public agencies, private foundations, and private corporations who fund economic development, but not forestry activities. Our project findings, methods, and lessons will be widely disseminated through our web page, project reports, fact sheets, press releases, articles, and presentations. For further information, contact Mike McConnell, Community Resources, Inc., 4900 Wetheredsville Road, 1D, Baltimore, MD 21207. Phone: (410) 448-4900 E-mail: mike@communityresources.org.

Tree Conservation and Sustainable Landscaping for Habitat for Humanity Homes — 2000 Education, Communication, and Outreach

Through a strategic alliance, the National Wildlife Federation is creating a Tree Conservation and Sustainable Landscaping Tool Kit for Habitat for Humanity International (HFH), one of the world's largest homebuilders. The Tool Kit, a published manual, will facilitate the incorporation of environmental evaluation and planning into the siting and landscaping decisions that are made at HFH sites. The Tool Kit will be used by HFH volunteers, homeowners, and partners, in particular the National Council of State Garden clubs, a non-profit organization of 8,488 garden clubs nationwide. The Tool Kit will be an informative resource, emphasizing the conservation of trees and other natural vegetation and the role sustainable landscaping plays in energy, water, and habitat conservation. On the recommendation of the National Urban and Community Forestry Advisory Council, the USDA Forest Service Urban and Community Forestry Program awarded a \$33,250 grant to the \$91,500 project. For further information, contact David Mizejewski, National Wildlife Federation, 11100 Wildlife Center Drive, Reston, VA 20190-5362. Phone: (703) 438-6499. E-mail: mizejewski@nwf.org.

For information on other projects funded by NUCFAC see their website at: <http://www.treelink.org/nucfac/>

URBAN AND COMMUNITY FORESTRY MID-ATLANTIC REGION
Calendar of Events, Meetings & Conferences
August 2002

Also Available Online at:

www.fs.fed.us/na/morgantown/uf/ufcalendar.html

August 2002

- 2 Mount Union Urban Forestry Conference, Mount Union College, Alliance, OH. Contact Lola Lewis at (330) 339-2205.
- 5 Arborist Certification Exam, Herrity Building, Fairfax, VA. Check in time 10:00. Sponsored by Mid-Atlantic Chapter International Society of Arboriculture (MAC-ISA). To obtain the certification application and/or to purchase a study guide contact the MAC-ISA office at (703) 753-0499 or download forms from website – <http://www.mac-isa.org/> **Reminder:** Application and fee must be received at the International office at least **12** business days prior to exam. Certification Information and International Business: ISA (217) 355-9411.
- 8 Landscape Zoo Day, Erie Zoo, Erie, PA. 12:30 – 4:30 pm. The Erie Zoo has many fine examples of plant landscapes that have endured heavy visitor usage. These hardworking formal and natural landscapes set the stage for the zoo experience. ISA, SAF & Pesticide applicator's CEUs may be available. Contact Scott Sjolander, Crawford Co. Extension Urban Forester at (814) 333-7460 or sas305@psu.edu.
- 9 Grant Writing for Community Greening and Improvements, Wesleyville, PA. 8:30 – 4:30. For more information contact Scott Sjolander at (814) 333-7460 or sas305@psu.edu.
- 11 –13 2002 NADC Northeastern Regional Meeting, Dover Downs Hotel and Conference Center, Dover, DE. Meeting will focus on success stories and benefits of conservation partnerships that every district could consider. Successes with preservation groups, transportation departments, nutrient management groups and district partnerships. Delaware's Governor, Ruth Ann Minner, will kick off the opening ceremony. For more information call (302) 739-4411.

- 16 Grant Writing for Community Greening and Improvements, Hermitage, PA. 8:30 – 4:30. For more information contact Scott Sjolander at (814) 333-7460 or sas305@psu.edu.

September 2002

- 17 - 18 Building Greener, Building Better Conference: Achieving Green Buildings in the Mid-Atlantic Region, Baltimore Maritime Institute, in Linthicum, MD. The purpose of the "Building Greener, Building Better" Conference is to demonstrate how to build, market, and finance green building projects in the Mid-Atlantic Region. Experts will use actual case studies to highlight the techniques used and incentives available for both the residential and commercial development communities. The Conference's "how-to" information will be specific to the market, climate and customs of the Mid-Atlantic Region. Exhibits and poster sessions will feature products, services, and latest design and construction techniques. For information on the conference, registration forms, exhibitor packets, and sponsorship opportunities, please contact Sean McGuire at (410) 260-8727 or visit us at www.dnr.state.md.us/smartgrowth/greenbuilding.
- 19 6th Annual Waynesboro Workshop, Waynesboro, VA.
- Workshop will offer presentations on arboriculture and urban forestry.
- Presentations this year include Dr. Richard Bir - N.C. State, Tim Womack - National Tree Trust, Joe Murray and Diane Zahn - Arboriculture and CPTED Arbormaster, and Kathy Wolf from the center for Urban Horticulture. Registration form available at www.treesvirginia.org.

- 19 Southeast Ohio Urban Forestry Conference, Athens, OH. Contact Ann Bonner at (740) 593-3341.
- 24 West Virginia Urban and Community Forestry Council Meeting, Flatwoods, WV. Contact Bob Hannah at (304) 367-2793.
- 26 – 27 International Society of Arboriculture, New Jersey Chapter Annual Conference, Freehold Gardens, Freehold, NJ. Contact Nick Polanin at (732) 574-9100 or trees4nj@aol.com.
- 26 – 28 Community Forestry At Its Best, Arbor Day Farm/Lied Conference Center, Nebraska City, NE. Contact the National Arbor Day Foundation at (402) 474-5655.
- 30 – Oct 2 International Society of Arboriculture, Mid-Atlantic Chapter Annual Meeting, Virginia Beach, VA. Contact MAC ISA at (703) 753-0499 or www.mac-isa.org.

October 2002

- 5 - 9 Society of American Foresters National Meeting, Winston-Salem, NC.
- 7 -8 Building With Trees National Conference. Arbor Day Farm, Lied Conference Center, Nebraska City, NE. This conference, presented in cooperation with the National Association of Home Builders and sponsored by Firewise Communities, examines the processes and techniques of saving trees during construction and land development. The conference focuses on developments that successfully preserved the existing tree resource; the team approach to building with trees and the roles played by the various professionals involved; and new research, issues, and trends that could impact building with trees. Contact National Arbor Day Foundation at (402) 474-5655.
- 9 Revitalizing Baltimore Steering Committee Meeting, Baltimore, MD. Contact Guy Hager at (410) 448-5663.
- 10 Northwest Ohio Urban Forestry Conference, Bluffton College, Bluffton, OH. Contact Stephanie Miller at (419) 424-5004.

- 13 - 16 Society of Municipal Arborists Annual Conference, Ithaca, NY. Contact Jerri LaHaie at (706) 769-7412 or www.urban-forestry.com/index.html.
- 17-18 Pennsylvania Urban and Community Forestry Conference, State College, PA.
- 18-20 New Jersey Shade Tree Federation Meeting, Cape May City, NJ. Contact Bill Porter, New Jersey Shade Tree Federation, at (732) 246-3210.
- 24 Central Ohio Urban Forestry Conference, Westerville, OH. Contact Lisa Bowers at (614) 265-6692.
- 30 10th Annual Community Forestry Workshop, McDaniel College, The Forum, Westminster, MD. 8:30 – 4:00.

November 2002

- 7 – 9 TCI Expo 2002, Midwest Express Center, Milwaukee, WI. Contact Carol Crossland at (603) 314-5380 or www.natlarb.com.
- 12 – 14 Arborist Certification Course, VA Department of Forestry, Charlottesville, VA. Sponsored by Mid-Atlantic Chapter International Society of Arboriculture (MAC-ISA). To obtain the certification application and/or to purchase a study guide, contact the MAC-ISA office at (703) 753-0499 or download forms from website – <http://www.mac-isa.org/>.
- 13 Pennsylvania Urban Forest Council Meeting, Harrisburg, PA. Contact Karli Suders at (717) 705-2825.
- 13 Revitalizing Baltimore Technology Committee and Watershed Linkages Committee Meetings. Contact Guy Hager at (410) 448-5663.

The next issue of Urban Projects from the Morgantown Field Office will be Winter 2002.

Please send articles or events to:
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