

register of champion trees

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Nyssa sylvatica Spencerville

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OFFICE OF THE COUNTY EXECUTIVE
ROCKVILLE, MARYLAND 20850

Isiah Leggett
County Executive

April 2007

Dear Friends:

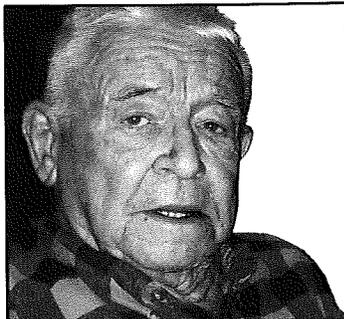
On this Arbor Day, in the Year of the Tree, I am honored to introduce the Montgomery County Forestry Conservancy District Board's Register of Champion Trees. I commend the Forestry Board on its efforts to bring these grand trees to our attention. During the past two years, 35 new County Champion Trees were identified. Fourteen of these trees represent species that are new to Montgomery County's Register and 15 of them take the helm as new Maryland State Champions. Only four Champion Trees succumbed to age or weather. Help us fill these pages with the future by nominating big trees that are familiar to you.

This year, we herald a new beginning of conservation for these public giants. The Montgomery County Forest Conservation Law was amended in October 2006, to protect Champion Trees included in this Register. Additionally, we have mapped the locations of all reigning Champion Trees using a global positioning system, or GPS coordinates.

As I related in my inaugural address, "we all warm ourselves by fires we did not build and drink from wells we did not dig." I will add here that we all breathe the air, enjoy the shade, and benefit from trees we did not plant. Many of the Champion Trees in this Register are located within our neighborhoods, planted by former and current long-time home owners. This Arbor Day, I encourage each of us to plant and care for future champion trees near our homes.

Sincerely,

Isiah Leggett
County Executive



Greydon Tolson (photo by Linda Pepe)

**The 2007 Register of Champion Trees is
Dedicated to
Greydon Tolson
our Forestry Board founder,
on the occasion of his retirement from
the Montgomery County Forestry Board.**

The Greydon Tolson Forest Resource Conservationist Award

Arbor Day 2007 marks the Forestry Board's establishment of The Greydon Tolson Forest Resource Conservationist Award. This award will recognize individuals who have made extraordinary contributions to the forest resources of Montgomery County. We are very proud to present the first Greydon Tolson Forest Resource Conservationist award to Greydon Tolson himself, in thanks for his over FIFTY YEARS of dedicated service and leadership on the Montgomery County Forestry Board.

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Greydon Tolson

Greydon Tolson was born in Shawnee on the Delaware in Pennsylvania in 1922 and moved to Montgomery County at age 2. He originally wanted to go into farming with his father, but his father's health failed. Having attended Bethesda Elementary and Leland Junior High Schools, Greydon graduated from Bethesda-Chevy Chase High School in 1939 and, not being able to afford Penn State's Forestry program, he enrolled at the University of Maryland as a botany major. In the ag college he took forestry courses, and Fred Besley (Maryland's first state forester and originator of the first Big Tree List in the country) was his teacher.

World War II came, Greydon found his beloved Betty, and he dropped out of college to marry. In 1942 he became a tree climber for Asplundh under a trimming contract with Pepco. He then joined the Army, 95th Signal Division, served in Europe and fought in the Battle of the Bulge. In response to the bitter cold, Greydon found warmth under the cover of the trees in the forest.

After his discharge in 1945, Greydon founded his own tree and landscaping business, and he and Betty bought a house on Halpine Road. One of his clients was Fred Lee, then the President of the Montgomery County Council. Fred Lee and Council member/conservationist Lathrop Smith offered Greydon the position of Montgomery County Forester and charged him with organizing the tree maintenance program for the County. They promised him that he could run it like a business, which he did for 28 years and prized himself that he was able to maintain a satellite office without having to work from headquarters.

As Chief of the Tree Division, he started with responsibility for tree planting and maintenance of roadside and trees on county property including review of all construction plans in regard to trees. With the growth of the suburban district, other services were needed – street cleaning, county dump and leaf collection programs were incorporated, and the Tree Division became the Division of Services. All the work was done in-house with county employees rather than let on contract; Greydon is proud that this stability provided a skilled work force with pride in their jobs. Greydon and his tree foreman were both commissioned State Forest Wardens; each could issue permits for tree pruning and removal. His county crew was registered to fight forest fires anywhere in the state.

Not only Montgomery County, but the entire State of Maryland benefited from Greydon's "can do" attitude. In the early 50's, Mr. Pete Bond, Director of Maryland Forests and Parks, approached Greydon to work with him to re-organize the state's Forestry Boards which had been initiated but had grown defunct. Greydon was elected to

a term as President of the State Association of Forest Conservancy District Boards at this time.

Again in the late 60's-early 70's, Greydon stepped up to the plate. When the State determined the Forestry Boards were regulatory agencies and therefore required an 18-page financial disclosure form from every individual board member, most members refused and walked away. Greydon organized the Montgomery County Board, which invited all the local boards to meet; it was decided that the forestry board system was too valuable to let go, and a paperwork compromise was reached. Every county board in the state came back. Once again, Greydon served as president of the State Association.

After 28 years with Montgomery County, Greydon was able to retire, and he joined Walt Money at Guardian Tree Experts. By this time he was no longer climbing! He was with Guardian for eleven years, and then was an independent consultant for several years after that.

Anyone who knows Greydon even a little knows that he loves to fish. One day on the job with Montgomery County, his story goes, he and Al Yeager took a call from a homeowner who reported worms all over her tree. When the two arrived on the scene they discovered, as suspected, catalpa worms – black and yellow, leathery and tough, great fishing bait. Greydon and Al pulled the minnow buckets out of their car and picked all the catalpa worms they could off of the tree and explained to the property owner that they were taking the worms back to the lab for identification. The property owner, grinning, replied, "You fellows must have enough bait by now!"

Reflecting on his fifty plus years of service with the Forestry Boards, what is Greydon most proud of? It's a tie: Acting as an adhesive for all of the individual Boards coming together again; and building the "forestry camp" (now known as "Awareness Week for Forestry and Natural Resource Careers"), a week-long summer program providing hands-on exposure to natural resource career options for high school students. Graduates of Forestry Camp from Montgomery

County include Judy Hazen Connery, now with the National Park Service at Acadia National Park in Maine; Susan Butler of Butler's Orchard; and Jeremy Criss, Agricultural Services Division Manager with the Montgomery County Office of Economic Development.

To Greydon Tolson: The Montgomery County Forestry Board salutes you and thanks you. We are proud to dedicate this 2007 Register of Champion Trees to you in honor of your extraordinary service and leadership.



When Greydon's dear wife Betty passed away in 2000, they had been married for nearly 58 happy years. Together they raised their five children Brian Tolson, Cathy Phelan (both pictured above with Greydon), Leslie Newman, Seth Tolson and Sarah Glassco.

BIG TREES

The Montgomery County Forestry Board is proud to present the following 2007 Register of Champion Trees, Montgomery County, Maryland.

The State of Maryland's "Noted Tree List" was begun by our first state forester, Fred Besley, in 1925--the first such list in the country. In 1940 the American Forestry Association inaugurated a Big Tree Contest for the entire United States, and Maryland led the country in the number of national champions. Today there are over 600 different champion species on the national list, and Maryland has one of those (the co-champion Redbud tree).

Joe Howard and the Montgomery County Forestry Board began Montgomery County's champion tree list in 1989 with 42 champion species. Since then the Forestry Board has held a bi-annual Big Tree Contest throughout Montgomery County to identify new champions.

This year's contest drew 70 nominations and resulted in the listing of 35 new county champions, 14 brand new species added to the list and 15 new state champions! The 2007 Register now lists the largest known trees of 160 species identified in Montgomery County as of November 30, 2006. Forty-nine of these are Maryland State Champions, and one (the Redbud) is the National Co-Champ! For the first time this year, Montgomery County has more identified state champion species than any other county in Maryland.

The location of each champion tree and the name of the owner and nominator follow each listing.

Brookside Gardens declared 2007 The Year of the Tree.

Following their kick-off Green Matters Symposium in February on **Trees – Urban Re-Leaf**, and children's Arbor Day celebration in April, Brookside Gardens in Wheaton will offer a hands-on tree maintenance workshop, **Tree-riage**, on June 16, 2007; a Children's Day Program, **Treerific Trees**, on September 15; and their annual Montgomery County **Champion Tree Tour** on October 3. Details at www.brooksidegardens.org.



Participants in the 2005 Brookside Gardens Big Tree Tour conducted by Joe Howard and Carole Bergmann while visiting "Flora's Oak," the county champion White Oak Tree in Barnesville (photo by Carole Bergmann)

Empty Thrones



During 2005-2006 the Montgomery County Department of Environmental Protection, in conjunction with the Montgomery County Forestry Board, undertook a project to map and locate all the county's champion trees using a Global Positioning System. Soon all of these trees will be located on a county map.

Many of the champion trees are original title holders going back to 1989 when the project was initiated. Since many of these champions were old trees to begin with, it is not surprising to find that some of them had succumbed to old age or "development." Consequently, some rather common species do not have a champion listed in the current Register. We hope some of you will see this as an incentive to track down a worthy contender and nominate it to fill one of these Empty Thrones for the 2009 Register. Watch for the "Empty Throne" designation as you browse the Register.

Following is a list of some of the common species without a champion:

*Virginia pine
Austrian pine
Blue spruce
Fringetree
Norway maple
Hackberry
Mimosa
Sumac
Apple tree*



CHAMPION

49 State Champion Trees
in Montgomery County, April 2007
1 National Co-Champion

Trees 2007

Montgomery County, Maryland

Keys

Common Name - Genus Species

Circumference (") Height (') Spread (') Total Score
Location Owner's Name Nominator's Name

Status

- * Current County Champion
- CCC** County Co-Champion
- EA** Easy Accessibility (see partial list on page 13)
- NCC** New County Champion
- NCCC** New County Co-Champion
- NSC** New State Champion
- RCC** Replacement County Champion
- RSC** Replacement State Champion
- SC** State Champion
- SCC** State Co-Champion

Location and Owner Abbreviations

C+O Canal	Chesapeake & Ohio Canal
MCDPWT	Montgomery County Department of Public Works and Transportation
MCPS	Montgomery County Public Schools
MD SHA	Maryland State Highway Administration
MNCPPC	Maryland-National Capital Park and Planning Commission
NIH	National Institutes of Health
NPS	National Park Service
SVP	Stream Valley Park
TPC	Tournament Players Club
WMA	Wildlife Management Area
WSSC	Washington Suburban Sanitary Commission

Ailanthus (Tree of Heaven) - *Ailanthus altissima*

162 94 74 275 * SC
Silver Spring Barry Galef Barry Galef

Alder Red - *Alnus rubra*

38 42 31 88 *
Rockville James Morvay James M. Morvay

Arborvitae American - *Thuja occidentalis*

92 36 32 136 NCC SCC
Silver Spring Anne Scheiner John Parrish

Ash Green - *Fraxinus pennsylvanica*

128 108 65 252 *
Rock Creek SVP MNCPPC Michael Toker

Ash White - *Fraxinus americana*

216 95 97 335 * SC EA
Sandy Spring, Auburn Village MNCPPC Dominic Quattrocchi

Aspen Big Tooth - *Populus grandidentata*

48 69 123 148 CCC
Washington Grove John Bradfield

Aspen Big Tooth - *Populus grandidentata*

54 80 50 147 NCCC
Wheaton Regional Park MNCPPC John Parrish

Baldcypress - *Taxodium ascendens*

82 83 34 173 RCC
Potomac Dr. Qijian Song Joanne Alexander

Beech American - *Fagus grandifolia*

201 106 106 333 RCC
Clarksburg Ruth Garrett Ruth Garrett

Beech Purple - *Fagus sylvatica v. atropunicea*

187 68 78 274 RCC
Bethesda FASEB Joe Howard

Birch European White

Birch Paper - *Betula papyrifera*

71 49 46 132 * SC
Silver Spring Richard Anderson Richard Anderson

Birch River - *Betula nigra*

126 75 70 219 * Former SC
Silver Spring Joe & Mary Howard Joe & Mary Howard

Birch Sweet or Black - *Betula lenta*

56 76 44 143 *
Layhill MNCPPC John Parrish



Boxelder - *Acer negundo*
 168 66 96 258 CCC
 Gaithersburg Keith Levin M. L. Windsor

Boxelder - *Acer negundo*
 141 95 67 253 CCC
 Rockville, Grandin Park City of Rockville
 Joseph D. Kavanaugh

Boxwood 

Buckeye Red - *Aesculus pavia*
 129 35 42 175 * tag 2341
 Bethesda, NIH Lynn Mueller

Buckeye Yellow - *Aesculus octandra*
 136 91 60 242 RCC
 Silver Spring, Sligo Creek SVP Joe Howard

Butternut - *Juglans cinerea*
 166 62 70 246 * SC
 Aspen Hill Suhail Reyaz John Parrish

Casta Aralia - *Kalapanax pictus*
 22 25 20 52 *
 Clarksburg, Black Hill Regional Park MNCPPC Joe Howard

Catalpa Northern - *Catalpa speciosa*
 246 76 79 342 * SC EA
 Darnestown Darnestown Civic Assn

Catalpa Southern - *Catalpa bignonioides*
 222 60 86 304 *
 Gaithersburg Clark & Marie Day Thomas A. Kitchens

Cedar Blue Atlas - *Cedrus atlantica*
 115 52 76 186 * Former SC
 Germantown Landmark Station Townhomes

Cedar Deodar - *Cedrus deodara*
 98 65 56 177 *
 Silver Spring James & Grace Boeringer
 James & Grace Boeringer

Cedar Eastern Red - *Juniperus virginiana*
 150 78 30 236 * SC
 Rockville Victor Palmeiro John Parrish

Cedar of Lebanon - *Cedrus libani*
 125 83 56 222 *
 Chevy Chase Audubon Naturalist Society Joe Howard

Cedar Port-orford - *Chamaecyparis lawsoniana*
 116 64 42 191 * SC
 Gaithersburg Kathryn Schumacher Jack Schumacher

Cedar, Turkish - *Cedrus libani* var *stenocoma*
 113 92 46 217 *
 Chevy Chase, Outdoor Nursery School Barbara Hutchinson

Cherry Black - *Prunus serotina*
 183 96 70 297 *
 Kensington Patricia & James Selvaggi
 Patricia & James Selvaggi

Cherry Kwanzan - *Prunus serrulata* 'Kwanzan'
 178 54 67 249 *
 Bethesda Paul & Anne Colborn Paul & Anne Colborn

Cherry Sweet - *Prunus avium*
 111 66 63 193 *
 Bethesda Jean Parker Jean Parker

Cherry Weeping - *Prunus subhirtella* 'pendula'
 104 52 64 172 CCC
 Kensington Ralph Coan Dave Honchalk

Cherry Weeping - *Prunus subhirtella* 'pendula'
 128 32 60 175 NCCC
 Bethesda Franklin Pimenta, et al. Shelly Greenberg

Cherry Yoshino - *Prunus yedoensis*
 154 58 53 225 * SC
 Chevy Chase Robert Simmons Robert Simmons

Chestnut American - *Castanea dentata*
 32 65 28 104 CCC
 Germantown Barbara Knapp Douglas Boucher

Chestnut American - *Castanea dentata*
 49 50 33 107 CCC
 Kensington Bethel World Outreach Ministries Ron Kuipers

Chestnut Chinese - *Castanea mollissima*
 132 65 60 208 NCCC
 Germantown, Rte 355 & Boland Park Rd Michael Zanisic



American Beech - *Fagus grandifolia*
 Clarksburg

Key

Common Name - Genus Species

Circumference (") Height (') Spread (') Total Score Status
 Location Owner's Name Nominator's Name

Forest Air

"When we discuss what we miss about forests after they have been cut, we usually mention the sight or the shade or the species; but now I was breathing deeply of a forest gift I had forgotten: the air! Americans largely ignore this dimension of the forest's allure, but the Japanese recognize it and have a name for it: shinrin-yoku—wood-air bathing. Japanese researchers have discovered that when diabetic patients walk through the forest, their blood sugar drops to healthier levels. Entire symposiums have been held on the benefits of wood-air bathing and walking. I certainly feel better after a walk in the woods, but until I read about it, I didn't know there was name for my therapy."

- From *Teaching the Trees: Lessons from the Forest*
 by Joan Maloof

Chestnut Chinese - *Castanea mollissima*

133 55 60 203 NCCC
 Germantown, Rte 355 & Boland Park Rd Michael Zanisic

Cottonwood - *Populus deltoides*

153 102 80 275 RCC
 C&O Canal NPS Mary Howard

Cryptomeria - *Cryptomeria japonica*

52 54 20 111 * SC
 Potomac Ted & Mary Nelson Ted & Mary Nelson

Cypress - *Chamaecyparis paris*

120 100 40 230 *
 Gaithersburg Jack Shumacher Jack Shumacher

Cypress False - *Retinispora plumosa*

93 60 36 162 NCC NSC
 Rockville Dr. Thomas Walsh Jim Harris

Cypress Japanese False - *Chamaecyparis pisifera*

94 82 36 185 NCC RSC
 Forest Glen Our Lady Queen of Poland Rectory John Parrish

Cypress Leyland - *Cupressocyparis leylandii*

62 50 16 116 NCC NSC
 Derwood Needwood Mansion MNCPPC Joe Howard

Devil's Walking Stick - *Aralia spinosa*

14 18 16 36 CCC
 Rockville Mrs. William Banfield Joe Howard

Devil's Walking Stick - *Aralia spinosa*

12.5 22 9 37 NCCC
 Silver Spring, Sligo Creek SVP MNCPPC Laura Mol

Dogwood Flowering - *Cornus florida*

48 25 33 81 *
 Silver Spring Barbara Allen Barbara Allen

Dogwood Kousa - *Cornus kousa*

66 34 37 109 *
 Potomac Nancy & Tom Madden Meredith Williams

Dove Tree - *Davidia involucrata*

40 38 20 83 *
 Chevy Chase Outdoor Nursery School Barbara Hutchinson

Elm American - *Ulmus americana*

207 116 133 356 *
 Bethesda Maynard Eicher Maynard Eicher

Elm Chinese - *Ulmus parvifolia*

96 77 49 185 *
 Bethesda Society of American Foresters Joe Howard

Elm English "Goshen Elm" - *Ulmus procera*

232 97 94 353 * SC EA
 Gaithersburg MCDPWT and MNCPPC Steven Zepnick

Elm Siberian - *Ulmus pumila*

162 67 84 250 CCC
 Silver Spring Liz Berbacos Bill Dingus

Elm Siberian - *Ulmus pumila*

137 91 82 249 CCC
 Chevy Chase Bruce A. Russell/Jean E. Shorett
 Bruce A. Russell/Jean E. Shorett



Buckeye Yellow - *Aesculus octandra*
 Silver Spring, Sligo Creek Stream Valley Park

Common Name - Genus SpeciesCircumference (") Height (') Spread (') Total Score Status
Location Owner's Name Nominator's Name**Key****GIVE A TREE A BREAK TODAY****Invasive Species**

Certain non-native invasive plants can be a menace to the health of trees.

Vines including English ivy, kudzu, oriental bittersweet, Japanese honeysuckle, porcelainberry, Asian tearthumb, and wintercreeper euonymus can reduce the vigor of trees by shading, and ultimately kill trees by girdling them or causing heavily burdened trees to topple.

You can easily do your part by learning to recognize such problem plants and then removing these plants from trees when you see them creeping up the trunks, or growing nearby.

Forestry Board member Carole Bergmann established and runs Montgomery County's renowned Weed Warriors Program (www.mc-nccppc.org/Environment/weed_warriors). Why not consider joining the approximately 500 citizens who have already become certified WEED WARRIORS, and help to save trees in our county parks?

Also check out www.invasivespecies.gov, www.mdflora.org or <http://www.mdinvasivesp.org/> for more information on invasive plant information.

Emerald Ash Borer

CITIZEN ALERT The emerald ash borer is a serious invasive insect which feeds on and kills ash trees one to three years after infestation. Ash trees are important for landscaping and timber production and they are the most common tree growing in Baltimore City and make up 20% of Maryland's riparian forests. The insect has become established in the Brandywine Area of Prince George's County after infected nursery stock arrived at a local nursery in 2003. Eradication efforts begun in 2003 were determined to be unsuccessful in August of 2006. Since then, the Maryland Departments of Agriculture and Natural Resources have created a 16,000-acre eradication zone in the Brandywine Area where all ash trees have been identified and removed for chipping and disposal.

To help control the spread of this dangerous beetle, Maryland citizens and visitors are being asked to comply with the established quarantine and refrain from transporting firewood from the infested area in Prince George's County to any other area and from other states into Maryland.

"Don't Pack Firewood - Buy it Where you Burn it"

Emerald Ash Borer adults are dark metallic green, one-half-inch in length and one-sixteenth of an inch wide. They are present from mid-May until early-August. Affected trees show symptoms of infestation including: die-back on the upper third of the tree, D-shaped exit holes in the bark where adults emerge, and vertical splits in the bark. If you suspect an Emerald Ash Borer infestation, contact the Maryland Department of Agriculture at 410-841-5920. Additional information can be obtained from <http://www.dnr.state.md.us> or <http://mda.state>.

Elm Smooth Leaved - *Ulmus carpinifolia pendula*

217 90 100 332 NCC NSC EA

Rockville Civic Center Park City of Rockville Phil Normandy

Fir Douglass - *Pseudotsuga menziesii*

134 71 50 218 * SC EA

Gaithersburg St. Rose of Lima Church St. Rose of Lima Church

Fir Grand - *Abies grandis*

112 102 48 226 * SC

Olney Phil Saba Phil Saba

Fir Nordmann - *Abies nordmanniana*

109 60 58 184 * EA

Derwood, Ag. History Farm Park MNCPPC

Franklinia - *Franklinia alata*

26 27 35 62 * SC

Brookville, Brighton Dam WSSC Jim Benton

Fringetree - *Chionanthus virginicus***Fringetree Chinese** - *Chionanthus retusus*

48 45 48 105 * SC

Chevy Chase Outdoor Nursery School Barbara Hutchinson

Ginkgo - *Ginkgo biloba*

184 73 62 273 * EA

Poolesville Nancy I. Fost Nancy I. Fost

Glorybower Harlequin - *Clerodendrum trichotomum*

24 30 28 61 *

Chevy Chase Theodora Broulik Frank Broulik

Golden Rain Tree - *Koelreuteria paniculata*

63 87 48 162 * SC

Kensington T.J. & Julie O'Malley T.J. & Julie O'Malley

Gum Black - *Nyssa sylvatica*

195 108 88 325 RCC RSC

Spencerville Jose Chaves Doug Sievers

Hackberry - *Celtis occidentalis***Hawthorn Cockspur** - *Crataegus crus-galli*

19 16 18 39 NCC NSC EA

Rockville Smith Center, MCPS Dave Honchalk

Hawthorn Glossy - *Crataegus nitida*

33 30 32 71 NCC NSC EA

Silver Spring Falkland Chase Apartments John Parrish

Hemlock Carolina - *Tsuga caroliniana*

42 38 24 86 * tag 4875

Bethesda NIH Lynn Mueller

Key

Common Name - Genus Species

Circumference (") Height (') Spread (') Total Score Status
 Location Owner's Name Nominator's Name

Hemlock Eastern - *Tsuga canadensis*

129 115 58 259 *
 Ashton Orris Minar Orris Minar

Hickory Bitternut - *Carya cordiformis*

114 148 70 280 *
 Northwest Branch Park MNCPPC John Parrish

Hickory Mockernut - *Carya tomentosa*

105 75 43 191 RCC
 Silver Spring, Weller Road ES MCPS John Parrish

Hickory Pignut - *Carya glabra*

121 108 52 242 *
 Matthew Henson State Park MNCPPC John Parrish

Hickory Shagbark - *Carya ovata*

85 105 60 205 CCC
 Blockhouse Point Park MNCPPC John Parrish

Hickory Shagbark - *Carya ovata*

118 67 60 200 CCC
 Chevy Chase Bill Mills Bill Mills

Holly American - *Ilex opaca*

98 58 40 166 *
 Bethesda FASEB

Honeylocust - *Gleditsia triacanthos*

168 79 76 266 *
 Gaithersburg, Great Seneca SVP MNCPPC Susan Nolde

Horsechestnut - *Aesculus hippocastanum*

174 98 77 291 *
 Dickerson W. S. Farr Family W. S. Farr Family

Katsura - *Katsura japonica*

140 66 62 222 *
 Rockville Rockville Cemetery Steve Mader

Katsura - *Cercidiphyllum japonicum*

48 38 31 94 *
 Bethesda Ted Leinwand & Joan Goldberg
 Ted Leinwand & Joan Goldberg

Kentucky Coffeetree - *Gymnocladus dioica*

178 100 60 293 * SC
 Brookeville Nicholas Weber Nicholas Weber

Laurel Mountain - *Kalmia latifolia*

18 20 20 43 *
 Potomac, Rock Run Stream Valley TPC Avenel Marco A. Fuster

Linden American (Basswood) - *Tilia americana*

166 105 59 286 * EA
 Chevy Chase Audubon Naturalist Society

Linden European - *Tilia europaea*

269 87 70 374 * SC
 Silver Spring Woodland Horse Center

Linden Little Leaf - *Tilia cordata*

181 62 64 259 RCC
 Rockville Carl Sandburg School, MCPS Lew Bloch

Linden Silver Pendant - *Tilia petiolaris*

172 85 77 276 * SC
 Dickerson, Wilbur Farm Missy Lankler Linda Pepe

Locust Black - *Robinia pseudoacacia*

156 90 70 264 *
 Boyds Michael Rusin Joe Howard

Magnolia Cucumber - *Magnolia acuminata*

132 102 44 245 *
 Sandy Spring Catherine Farquhar Helen Farquhar

Magnolia Kobus - *Magnolia kobus*

84 32 37 125 * SC
 Silver Spring Connie Greene John Parrish

Magnolia Saucer - *Magnolia soulangiana*

113 28 52 154 *
 Boyds Tom & Lois Donlin Victor Pepe

Magnolia Southern - *Magnolia grandiflora*

125 56 35 190 *
 Silver Spring Kathy Williams Kathy Williams

Magnolia Sweetbay - *Magnolia virginiana*

32 36 20 73 * EA
 Wheaton, Brookside Gardens MNCPPC Philip Normandy

Magnolia Umbrella - *Magnolia tripetala*

12 60 17 76 NCC
 Silver Spring, Sligo Creek SVP MNCPPC Laura Mol

Useful Tree-related Websites

Montgomery County Forestry Board
www.mcmdforestryboard.org

Maryland National Capital Park and Planning
 Commission www.mc-mncppc.org

Maryland Cooperative Extension Service UofMD
www.agnt.umd.edu/users/hgic

Maryland Department of Natural Resources
www.dnr.state.md.us

Maryland State Association of Forest Conservancy
 Districts www.mdforest.sailorsite.net

Maryland Forests Association
www.mdforest.sailorsite.net

American Forest Association www.americanforest.org

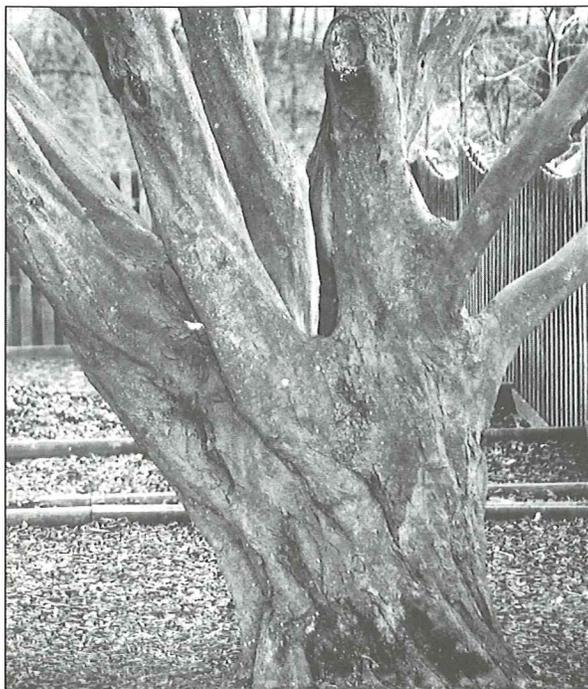
Maryland Native Plant Society www.mdflora.org

National Arbor Day Foundation www.arborday.org

Common Name - Genus Species

Circumference (") Height (') Spread (') Total Score Status
 Location Owner's Name Nominator's Name

Key



Musclewood/Hornbeam - *Carpinus carolinia* Rockville

Maple Japanese - *Acer palmatum*

89 31 42 131 * EA
 Chevy Chase Audubon Naturalist Society

Joe Howard

Maple Norway - *Acer platanoides*



Maple Nikko - *Acer nikoense*

106 94 66 216 NCC NSC
 Chevy Chase Outdoor Nursery School

Barbara Hutchinson

Maple Paperbark - *Acer griseum*

48 46 33 102 * SC EA
 Wheaton, Brookside Gardens MNCPPC

David Vismara

Maple Red - *Acer rubrum*

216 75 97 315 * SC EA
 Silver Spring St. John the Baptist Catholic Church

Eileen Straughan

Maple Silver - *Acer saccharinum*

253 90 80 363 *
 Dickerson C+O Canal, NPS

Dominic Quattrocchi

Maple Sugar - *Acer saccharum*

201 74 50 288 *
 Brinklow Phyllis Huffner

Phyllis Huffner

Maple Sycamore - *Acer pseudoplatanus*

82 42 39 134 *
 Silver Spring Alan Crane

Alan Crane

Mimosa - *Albizia julibrissin*



Nobel Peace Prize awarded to Kenyan Tree Planter Wangari Matthai

2004 Nobel Peace Prize winner Wangari Matthai founded the "Green Belt Movement" in Kenya in 1977 to empower poor women to plant trees after her country had lost 90 percent of its forest over the previous 50 years. Her efforts led to the planting of over 30 million trees on the African continent. The Nobel Committee said, "Peace on earth depends on our ability to secure our living environment . . . [Matthai] thinks globally and acts locally." <http://www.wangarimaathai.com/>

Monkey Puzzle Tree - *Araucaria araucana*

37 30 20 72 * SC
 Bethesda Jonathan & Caren Matzkin

Diane Lewis

Mulberry Paper - *Broussonetia papyrifera*

26 32 29 65 * EA
 Potomac Great Falls Park NPS

Joe Howard

Mulberry Red - *Morus rubra*

46 35 47 93 *
 Poolesville Catherine Wolfrey

Catherine Wolfrey

Mulberry White - *Morus alba*

205 58 79 283 *
 Silver Spring

Smalls Nursery Ltd. Partnership

Musclewood/Hornbeam - *Carpinus carolinia*

84 37 50 133 RCC RSC
 Rockville Samuel Mazzuca

John Parrish

Oak Basket - *Quercus Michauxii*

105 86 64 207 CCC
 Blockhouse Point Park MNCPPC

John Parrish

Oak Basket - *Quercus Michauxii*

96 97 48 205 CCC
 C+O Canal NPS

John Parrish

Oak Black - *Quercus velutina*

210 108 84 339 RCC
 Damascus Allan P. Sadtler, Jr.

Allan P. Sadtler, Jr.

Oak Blackjack - *Quercus marilandica*

83 64 52 160 * EA
 Wheaton Veterans Park MNCPPC

John Parrish

Oak Bur (Mossy-cup) - *Quercus macrocarpa*

110 76 38 196 *
 Colesville State of Maryland

Oak Chestnut - *Quercus prinus*

152 106 69 275 *
 Silver Spring Tanglewood

John Parrish

Key

Common Name - Genus Species

Circumference (!) Height (!) Spread (!) Total Score Status
 Location Owner's Name Nominator's Name

Oak English - *Quercus robur*
 105 58 67 180 * EA
 Chevy Chase Audubon Naturalist Society Joe Howard

Oak Northern Red - *Quercus rubra*
 225 115 94 363 RCC
 Silver Spring William Sedlacek John Parrish

Oak Overcup - *Quercus lyrata*
 152 102 210 307 * SC
 C+O Canal Bear Island NPS John Parrish

Oak Oriental Cork - *Quercus variabilis*
 105 92 100 222 * SC
 Chevy Chase Outdoor Nursery School Barbara Hutchinson

Oak Pin - *Quercus palustris*
 152 101 68 270 RCC
 Brookeville James & Barbara Lessig James B. Lessig

Oak Post - *Quercus stellata*
 149 72 94 245 *
 Chevy Chase Village of Chevy Chase Village of Chevy Chase

Oak Scarlet - *Quercus coccinea*
 184 88 90 295 *
 Bethesda Gladys Millar Lore B. Kairys

Oak Shingle - *Quercus imbricaria*
 161 104 76 284 * SC
 Sandy Spring Henry & Elizabeth Hyde
 Andrew Vernor, Doug Seivers

Oak Shumard - *Quercus shumardii*
 237 80 96 341 * SC
 Glen Echo C+O Canal NPS Lou Aronica

Oak Southern Red - *Quercus falcata*
 164 95 105 285 *
 Potomac Susan Kryes & Ken Bocam Jim Harris

Oak Swamp White - *Quercus bicolor*
 205 105 85 331 *
 Silver Spring, NW Branch SVP MNCPPC John Parrish

Oak Water - *Quercus nigra*
 132 80 92 235 * SC
 Chevy Chase Polly Strum Joe Howard

Oak White - *Quercus alba*
 267 96 119 393 * SCC
 Barnesville Victor & Linda Pepe Victor & Linda Pepe

Oak Willow - *Quercus phellos*
 216 94 115 339 *
 Silver Spring Kelly Traw Pure Energy Real Estate Team

Olive Russian - *Elaeagnus angustifolia*
 55 39 24 100 NCC NSC EA
 Wheaton MNCPPC Danae Fails

Osage Orange - *Maclura pomifera*
 149 64 57 227 CCC
 Gaithersburg Seneca Creek State Park Joe Howard

Osage Orange - *Maclura pomifera*
 157 60 56 231 NCCC EA
 Wheaton MNCPPC Paul Carlson

Pagoda tree - *Sophora japonica*
 79 52 49 143 NCC EA
 Silver Spring Leisure World Joe Howard

Paulownia - *Paulownia tomentosa*
 164 74 73 256 *
 Gaithersburg Summit Hill Farm Park Frances Kellerman

Pawpaw - *Asimina triloba*
 26 48 17 78 * SC
 Carderock C+O Canal Billy Goat Trail NPS John Parrish

Trees and Global Climate Change

Trees are important tools in the fight to stave off global warming. They absorb and store the key greenhouse gas emitted by our cars and power plants—carbon dioxide. Most scientists agree that the least expensive and perhaps easiest way for people to help offset the carbon dioxide that they generate in their everyday lives is to plant a tree.

Need help to determine what tree to plant and where to plant it? Check out "The Right Tree in the Right Place" at www.arborday.org/trees/righttreeandplace/.

Plant a tree to celebrate a birth or wedding or to establish a living memorial to a departed loved one. Or donate time or money toward larger tree planting efforts. Some sources for tree gifting and tree planting programs are:

Maryland DNR Forest Service
 Montgomery-Howard Project office 301-854-6060

MNCPPC Montgomery County Parks Reforestation/
 Restoration Projects 301-949-2818

Tree-mendous Maryland, through DNR Forest Service
www.dnr.state.md.us/forests/treemendous/giftoftrees.html

American Forests www.americanforests.org/planttrees

Trees for the Future (in Silver Spring)
<http://www.treesftf.org/main.htm>

The National Arbor Day Foundation www.arborday.org

Common Name - *Genus Species*

Circumference (") Height (') Spread (') **Total Score** Status
 Location Owner's Name *Nominator's Name*

Key

Pear Bradford - *Pyrus calleryana*

95 56 50 **164** *
 Potomac U.S. Postal Service, Bolger Center

Pecan - *Carya illinoensis*

151 83 59 **249** *
 Chevy Chase John Wigglesworth *John Wigglesworth*

Persimmon - *Diospyros virginiana*

60 50 54 **124** *
 Potomac Fred and Cathleen Morser

Pine Austrian - *Pinus nigra*

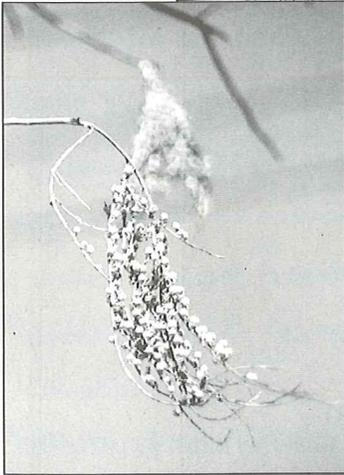
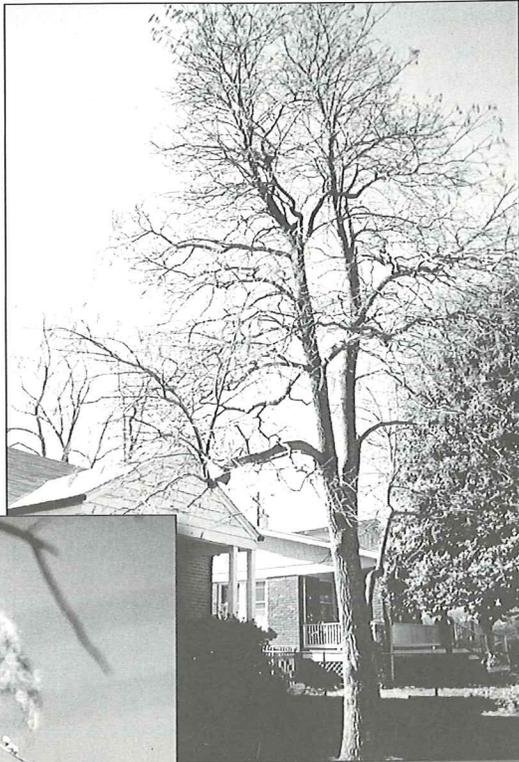


Pine Himalayan - *Pinus wallichiana*

27 38 36 **74** *
 Washington Grove Town of Washington Grove *Joli McCathran*

Pine Loblolly - *Pinus taeda*

86 93 36 **188** * EA
 Chevy Chase MNCPPC Meadowbrook Stables *Joe Howard*



Sourwood and its seeds - *Oxydendrum arboretum*, Silver Spring

Pine Pitch - *Pinus rigida*

94 77 52 **184** *
 Washington Grove Town of Washington Grove *John Bradfield*

Pine Ponderosa - *Pinus ponderosa*

38 37 25 **81** * SC
 Germantown Lucy Alexander *Lucy Alexander*

Pine Red - *Pinus resinosa*

75 80 30 **163** CCC SCC
 Olney Olney Golf Center *John Parrish*

Pine Red - *Pinus resinosa*

91 60 36 **160** NCCC
 Derwood Paul Posey & Carol Kosary *Doug Sievers*

Pine Short leaf - *Pinus echinata*

80 96 26 **183** * SC
 Potomac Village of Greenbrier Estates *John Parrish*

Pine Table Mountain - *Pinus pungens*

60 84 32 **152** CCC
 Blockhouse Point Park MNCPPC *John Parrish*

Pine Table Mountain - *Pinus pungens*

61 83 19 **149** CCC
 NorthWest Branch Park MNCPPC *John Parrish*

Pine Virginia - *Pinus virginiana*



Pine White - *Pinus strobus*

132 100 58 **246** RCC EA
 Kensington Kensington Baptist Church *John Parrish*

Pondcypress - *Taxodium ascendens*

150 86 29 **243** NCC
 Darnestown Greg Linteris *Juan Paez*

Poplar Lombardy - *Populus nigra*

54 72 24 **132** * SC
 Derwood Devin Battley *Devin Battley*

Redbud - *Cercis canadensis*

100 40 38 **149** RCC RSC New National Co-Champion
 North Chevy Chase Michael & J.W. Houlihan *Jim Harris*

Redwood Dawn - *Metasequoia glyptostroboides*

134 97 40 **241** *
 Kensington Anne Banville *Jim Harris*

Sassafras - *Sassafras albidum*

132 71 41 **213** *
 Silver Spring Kim Apperson & Lisa Ross *Joe Howard*

Serviceberry - *Amelanchier arborea*

26 51 23 **83** *
 Boyds Jim & Peg Coleman *Jim & Peg Coleman*

Want to Visit a Montgomery County Champion Tree?

These are Some of the Easily Accessible Champion Trees

Yellow Buckeye (*Aesculus octandra*)

242 points
Sligo Creek Parkway, Silver Spring
North side, just east of Brunett Drive.

Leyland Cypress (*Cupressocyparis leylandii*)

116 points
Derwood
Northeast corner of Needwood Mansion,
6700 Needwood Road

Smooth Leaved Elm (*Ulmus carpinifolia pendula*)

332 points
Rockville
Civic Center Park, South side of mansion

Osage Orange (*Maclura pomifera*)

231 points
Wheaton
In front of MNCPPC building, 2000 Shorefield Road

Pagodatree (*Sophora japonica*)

143 points
Silver Spring, Leisure World
Along street in front of Clubhouse A

White Pine (*Pinus strobus*)

246 points
Kensington, Kensington Baptist Church
10100 Connecticut Avenue, just north of Dresden St.

Sweetgum (*Liquidambar styraciflua*)

278 points
Village of Chevy Chase
Corner of Grafton St. @ Chevy Chase Circle &
Magnolia Parkway

Silver Maple (*Acer Saccharinum*)

363 points
Dickerson
C+O Canal, near Mile Marker 40, adjacent to Lock 26

Silverbell - *Halesia carolinia*

30 42 33 80 *
Rockville Diane Lewis

Diane Lewis

Sourwood - *Oxydendrum arboreum*

49 67 33 124 RCC RSC
Silver Spring Robert & Ann Middleton

Joe Howard

Spruce Blue - *Picea pungens*



Spruce Norway - *Picea abies*

146 69 37 224 *
Sandy Spring Woodlawn Manor MNCPPC

Spruce Oriental - *Picea orientalis*

60 78 18 142 NCC
Takoma Park Michael & Midori Morgan-Gaide John Parrish

Sweetgum - *Liquidambar styraciflua*

151 102 100 278 RCC EA
Chevy Chase Village of Chevy Chase Joe Howard

Sycamore - *Platanus occidentalis*

250 123 125 404 CCC
Dickerson Conservation Park MNCPPC Carole Bergmann

Sycamore - *Platanus occidentalis*

242 132 114 403 CCC
McKee Beshers WMA State of Maryland Andre Magnuson

Tuliptree/Yellow Poplar - *Liriodendron tulipifera*

293 110 82 424 CCC
Brookeville Manor Oaks Subdivision Dominic Quattrocchi

Tuliptree/Yellow Poplar - *Liriodendron tulipifera*

286 114 96 424 NCCC
NorthWest Branch Park Station #5 MNCPPC Gene Elliott

Viburnum Blackhaw - *Viburnum prunifolium*

56 21 28 84 * SC
Silver Spring Otto Atzert John Parrish

Walnut Black - *Juglans nigra*

172 94 82 287 *
Olney Mont. General Hospital Thrift Shop Donna Will

Willow Black - *Salix nigra*

72 88 40 170 RCC NSC
Rock Creek Park MNCPPC John Parrish

Willow Weeping - *Salix babylonica*

157 70 52 240 *
Bethesda NIH Joe Howard

Willow White - *Salix alba*

87 62 47 161 *
Quince Orchard Owner unidentified Joe Howard

Yellowwood - *Cladrastis lutea*

108 70 55 192 * EA
Sligo Creek Pkwy MNCPPC John Parrish

Yew Japanese - *Taxus cuspidata*

50 28 32 86 NCC NSC
Bethesda FASEB Jeffrey Yocum

Rachel Carson, Not Silent in Silver Spring

100 Years of Influence 1907-2007

Rachel Louise Carson was born on May 27, 1907 in Springdale, Pennsylvania but most of her adult life was spent in and around Montgomery County, Maryland.

Influenced by her mother and an inspiring biology teacher, she was led down a professional path towards the study of zoology and oceanography. Completing graduate work at Johns Hopkins University, Rachel Carson went on to teach at Hopkins. In 1931 she became a member of the zoology staff of the University of Maryland.

An article, "Undersea," in Atlantic Monthly magazine led to her first book *Under the Sea Wind* in 1941, and its publication was followed by her appointment as editor-in-chief of the Fish and Wildlife Service—blending two of her greatest talents: biology and writing. Her prize-winning study of the ocean, *The Sea Around Us* was published in 1952.

Her most important work, *Silent Spring*, published in 1962, is credited with helping spark the modern environmental movement. *Silent Spring* illustrated the use of DDT as an example of the global impact people can have on the environment. The *Silent Spring* title came from an apocalyptic opening chapter, where indiscriminate spraying destroys an entire area. The connection of the title with her Silver Spring home where she wrote the book is interesting.

Rachel Carson was posthumously awarded the Presidential Medal of Freedom in 1980, this nation's highest civilian award.

In Montgomery County, the Northwest Branch Trail was renamed The Rachel Carson Greenway. Trails in this Greenway will ultimately link to trails along the Patuxent River and Seneca Creek, creating a 50-mile continuous trail network. Also in Montgomery County, the 650-acre Rachel Carson Conservation Park in Brookeville and Rachel Carson Elementary School in Gaithersburg have been named in her honor.

Adjacent to Northwest Branch Stream Valley Park and footsteps away from the Rachel Carson Greenway, is the home of Rachel Carson at 11701 Berwick Street. It is a simple ranch style structure which she designed and constructed in 1956. It is now home to the Rachel Carson Council.

Rachel Carson died at her home on 14 April 1964 in Silver Spring at the age of 56.

"The more clearly we can focus our attention on the wonders and realities of the universe about us, the less taste we shall have for destruction."

— Rachel Carson 1954

Dominic Quattrocchi,
Maryland National Capital Park & Planning Commission
Montgomery County Forestry Board

The Importance of a "Sense of Wonder"...

About 20 years ago when I was having one of those "what am I actually going to do with my life" type discussions with myself, I decided that one thing I REALLY wanted to do—and felt I COULD do because I am a very enthusiastic environmental educator type—was to write a short book about the immense importance of bringing a sense of the beauty and the wonder of the natural world into peoples' lives—especially into the lives of children.



Rachel Carson, 1951

Courtesy of the Lear/Carson Collection, Connecticut College.

*It wasn't long after I made the decision to write my book, and actually started to take down notes and thoughts and phrases, that I discovered in a secondhand bookstore the most WONDERFUL book—Rachel Carson's *The Sense of Wonder!* Eloquenty written in a lyrical prose style, with text accompanied by perfect pictures of the Maine coast, nature through the seasons, and children experiencing it all—I instantly felt that solid connection with Rachel Carson and with the natural world she was describing and with the importance of what she was perfectly articulating. There was certainly no need for me to elaborate in a book of my own!*

Rachel Carson had that connection with nature at the core of her being, and it was there as a certainty, a rock, a foundation for her throughout her life. She had the ability to transform "inscrutable" scientific terminology and research results into popular, "understandable for the average person" books about the ocean, about the potential dangers of chemical pesticides. She gained her courage to speak out and inform society about the hazards of environmental poisoning despite formidable odds and huge amounts of criticism because of her determination to save what she loved. She had "a Sense of Wonder"—it guided her life and it changed our world.

Carole Bergmann
Forest Ecologist
Maryland National Capital Park & Planning Commission
Montgomery County Forestry Board

THE MONTGOMERY COUNTY FORESTRY BOARD

is one of 24 Forestry Boards in the State of Maryland—one for each county and the City of Baltimore. In 1943 the Maryland Legislature passed an Act creating Maryland's Forest Conservancy Districts, and District Board members are appointed by the Secretary of the Maryland Department of Natural Resources to serve three-year terms.

The Forestry Boards act as advocates of sound forest management practices and promote conservation of Maryland's forest resources. They are involved in educational activities, planting of school forests, timber harvest plan review, and other activities.

The Montgomery County Forestry Board wishes to recognize and extend our deepest thanks to recently retired Board member and former president, Joe Rice, for his local and State level leadership, especially in the development of the foundation to help fund Forestry Board activities throughout the State.

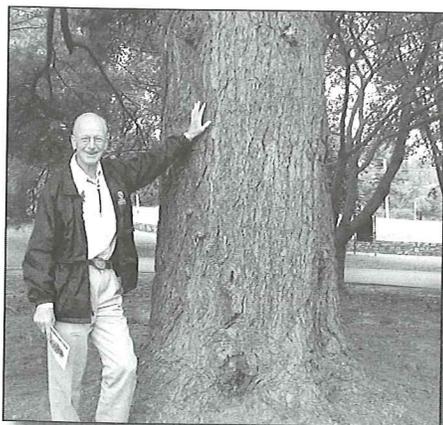
The Montgomery County Board is pleased to have coordinated, prepared and supplied materials for student-involved reforestation tree plantings at Rocky Hill, Lakelands Park and Kingsview Middle Schools, Clarksburg High School and Hadley Farms Alternative School in the last two years. Special thanks go to Board Members Dave Honchalk, Dan Landry, Pete Stadler, Jim Harris, Dave Plummer, Carole Bergmann, Joe Howard and Jim Coleman for their contributions and dedication to this effort.

The Board is also pleased to have supported the participation of eight Montgomery County high school students in the annual "Awareness Week for Forestry and Natural Resource Careers" in the summers of 2005 and 2006. Board member Dan Landry was a key player in expanding and updating the state-wide curriculum in 2006; Dan, Dave Honchalk and Dave Plummer interviewed the student applicants, and Pepco's generous support enabled these students to attend tuition-free. We extend our thanks to all.

This 2007 Champion Tree Register marks the 18th anniversary of Montgomery County's Big Tree Contest, and the 10th Anniversary of the publication of the Register of Champion Trees. Very special thanks go to Joe Howard, who has served on the Forestry Board for over thirty years and is the founder, mover and shaker of the Champion Tree Contest. His enthusiasm and dedication inspire us all. Thanks also to Linda Pepe, Dominic Quattrocchi, John Parrish, Jim Will and Donna Will, and to Dave Honchalk and Vicki Frank at the Lathrop E. Smith Environmental Education Center for each of their unique contributions to the Champion Tree Contest and this Register.

Thanks also to Board Member Jim Harris for maintaining the Forestry Board website at www.mcmdforestryboard.org.

Mr. Joe Howard, Champion Tree Contest founder and, himself, Montgomery County's tree champion (photo by Carole Bergmann)



Forestry Board Members (l-r) Dan Landry, Joe Howard, Carole Bergmann, Pete Stadler, (former Project Forester) Damon Hartley, Jim Coleman, Linda Pepe and Greydon Tolson on a tour of the Rachel Carson Conservation Park in Brookville in 2005.

The Montgomery County Forestry Board Members:

- Joe Howard, President, Silver Spring**
- Mike Huneke, Secretary, Maryland Department of Natural Resources, Forest Service**
- Dan Lewis, Project Forester, Maryland Department of Natural Resources, Forest Service**
- Jim Benton, Washington Suburban Sanitary Commission (WSSC)**
- Carole Bergmann, Maryland-National Capital Park & Planning Commission (MNCPPC)**
- Jim Coleman, Boyds**
- Jim Harris, Wood Acres Tree Service**
- Dave Honchalk, Montgomery County Public Schools**
- Daniel Landry, Potomac Electric Power Company (Pepco)**
- Brett Linkletter, Montgomery County Department of Public Works and Transportation (DPWT)**
- Joli McCathran, Washington Grove**
- Linda Pepe, Barnesville**
- David Plummer, Montgomery Soil Conservation District**
- Dominic Quattrocchi, Maryland-National Capital Park & Planning Commission (MNCPPC)**
- Pete Stadler, Stadler Nursery**
- Greydon Tolson, Dickerson**

The Forestry Board wishes to thank donors for their financial support of our programs:

- Montgomery County, Maryland, Agricultural Services Division of the Office of Economic Development
- Pepco for sponsorship of the summer camp program and school reforestation trees
- Jim Harris, Wood Acres Tree Service
- In memory of Helen O. Benton, from her son

You Can Nominate a Champion Tree

The Montgomery County Forestry Board solicits and compiles nominations for champion trees from April through November in even numbered years. A professional forester measures the nominated trees, and new championship certificates are awarded in April of odd numbered years as part of the County's annual Arbor Day Celebration at the Agricultural History Farm Park. You can nominate a champion tree at any time.

If you think you have discovered a tree larger than the ones noted or a tree species for which there is no champion, the Forestry Board welcomes your nomination. The nominated tree must have a single trunk for at least four and one-half feet above ground level and a total height of at least fifteen feet.

To learn how to measure a tree, visit www.dnr.state.md.us/forests/kids/bigtrees.html.

Call 301.854.6060 to request a nomination form or photocopy this page.
Mail the completed form to the address below

Tree Species: _____
(If exact species is unknown, give common name, or best guess)

Tree Location: _____

Circumference (distance around trunk)
at 4.5 feet above ground level: _____ inches
Height: _____ feet
Spread: _____ feet

For Forestry Board Use Only

(Confirmed measurements)

Circum _____ "

Height _____ '

Spread _____ '

Total Score _____

Owner of tree _____ Nominator of tree _____

Owner's address _____ Nominator's address _____

Owner's phone _____ Nominator's phone _____

Owner's email _____ Nominator's email _____

Today's Date: _____



TREE CITY USA

A publication of
the Montgomery County
Forest Conservancy District Board,
a member of
The Maryland Association of
Forest Conservancy District Boards

- April 2007

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(unless otherwise noted.)

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wind-generated electricity.*

How is A Tree Measured?

Fred Besley devised the measuring system for Maryland in 1925 that would become standard for the national competition started by the American Forestry Association in 1940. In fact Fred Beasley provided the first official measurement of the recently departed Wye Oak.

To evaluate the relative size of a tree, the circumference of the trunk in inches (at 4.5 feet above the ground) and the height and crown spread in feet are added together to arrive at a number of points for each tree. This number is then used for comparison of tree sizes in each species. The formula is:

Circumference (inches) + height of tree (feet) + 25% of the average crown spread (feet) = Total Points.

Mail this completed form to:

Maryland Department of Natural Resources
Forestry Division
17400 Annapolis Rock Road
Woodbine, MD 21797