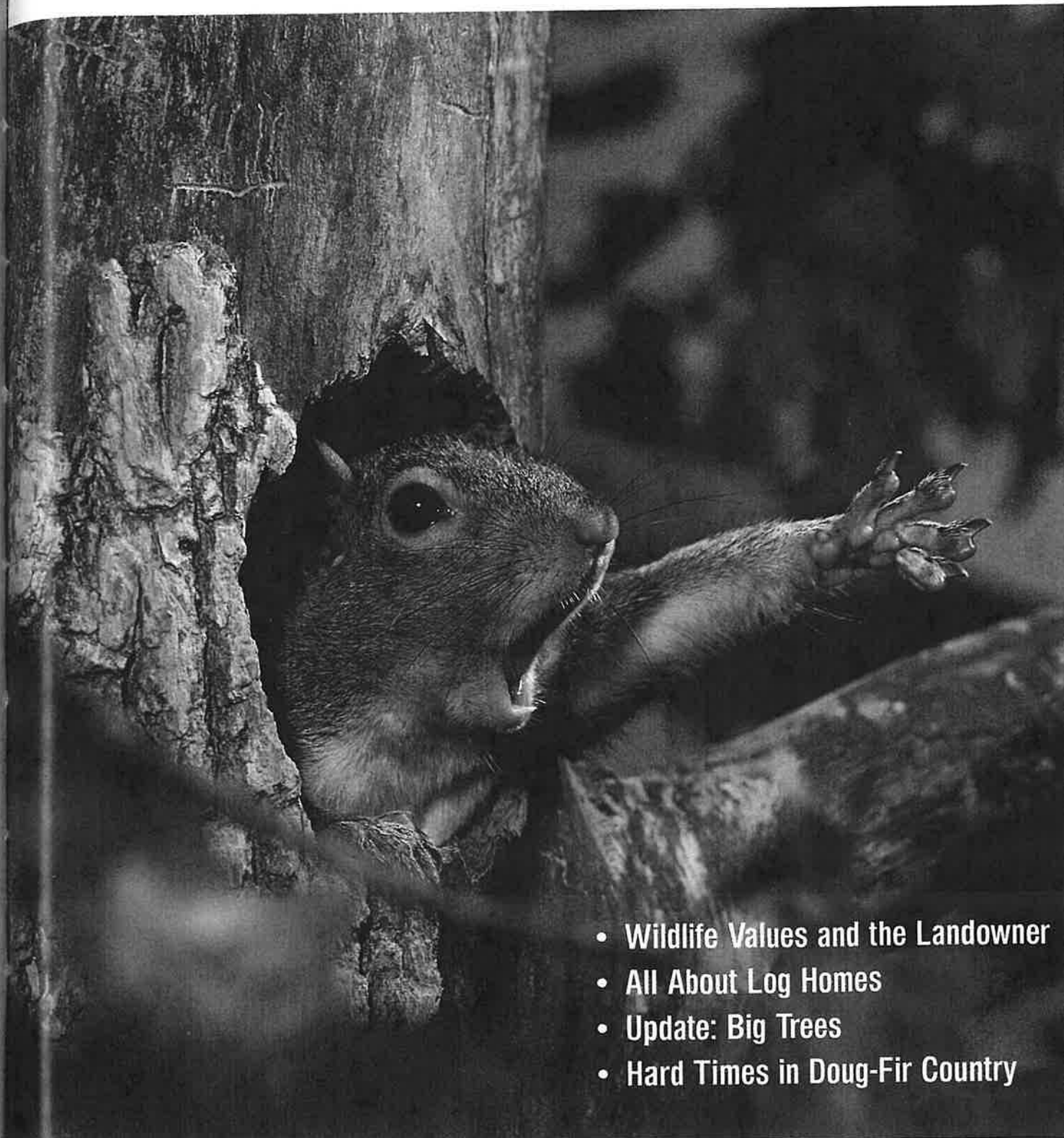


AMERICAN

FORESTS

NOVEMBER 1984



- Wildlife Values and the Landowner
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AMERICAN FORESTS

THE MAGAZINE OF FORESTS, SOIL, WATER, WILDLIFE, AND OUTDOOR RECREATION

Published by The American Forestry Association

Vol. 90, No. 11, November 1984

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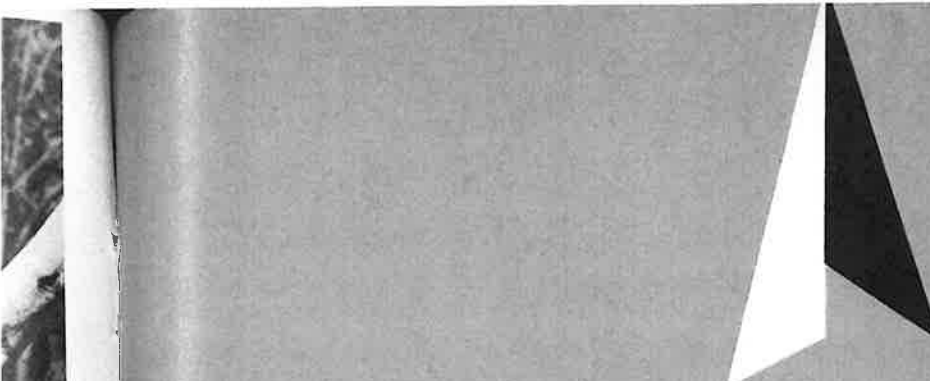
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THE AMERICAN FORESTRY ASSOCIATION, founded in 1875, is a national citizens' conservation organization—independent and nonpartisan—dedicated to the protection and intelligent use of the nation's forests and related resources. The Association's objective is to provide national leadership toward enlightened public policy and public and private management practices in order to assure preservation of soil and water quality and enhancement of forest productivity in accordance with sound ecological principles. The Association promotes the stewardship of forests to benefit the present and future social and economic life of the nation.

AMERICAN FORESTS (ISSN 0002-8541) is published monthly by The American Forestry Association at 1319 Eighteenth Street, N. W., Washington, D.C. 20036. Phone: 202 467-5810. Subscription price is \$15 a year. Editors are not responsible for loss of or damage to manuscripts and photographs while in their possession or in transit. The Editors are not responsible for views expressed in signed articles. Second class postage paid at Washington, D.C. and additional entry offices. Copyright © 1984 by The American Forestry Association.



1984 Update:

NATIONAL REGISTER OF BIG TREES

AFA's National Register of Big Trees has officially recognized 149 new champion and co-champion trees since the last full listing was published in *AMERICAN FORESTS* in April 1982. The Big Tree family has also expanded with the addition of a new North Dakota Big Tree program, which will coordinate with the national program.

Interest continues to abound in the program, started almost half a century ago by the American Forestry Association to protect the giants of the plant world, and to promote an appreciation of the role trees play in improving our quality of life. Calls and letters come in asking: "Which tree is the tallest?" (Answer: a 364-foot coast redwood in Humboldt County, California), "Which is the smallest?" (Answer: a 15-foot American snowbell in South Carolina), "Which is the oldest?" (Answer: a Colorado bristlecone pine that is easily 3,000 years old).

Many newspapers have been helpful in spreading the word about big trees. Regrettably, articles often appear mourning the loss of a champion to disease, storm damage, old age, or, worst of all, vandalism. Vandals were responsible for the 1983 deaths of two champions in California, the Santa Cruz cypress and a 250-year-old *California torreyana* (nutmeg).

Fortunately, more positive articles appear in the news—such as one that described a party thrown in honor of the champion yellowwood tree in Belmont, Massachusetts. An Oregon big-tree bounty has also attracted attention as several of that state's big-tree hunters have posted a \$300 reward for anyone locating a champion Douglas-fir in Oregon (to replace the current champ, located in Washington).

Big-tree hunters themselves often receive much deserved publicity for their dedication and service. Richard Salzer of Annandale, Virginia, has searched for champions for 12 years. He has nominated more than a dozen current national champs, including the largest known fringetree, which grows on George Washington's Mount Vernon estate, as well as almost half of the approximately 200 trees in the Virginia Big Tree register. Salzer was recently featured in a publication distributed

by the National Geographic Society. Oregon native Maynard Drawson is featured in the article "The Tree Hunter," elsewhere in this issue.

Thanks to the hard work of such enthusiasts, the list of champions changes constantly as new reports come into AFA almost every day. So the following update will be out of date almost before the printer has finished producing it. The latest information on any particular tree species is always available from the AFA office.

In addition, the Big Tree files recently underwent a complete reorganization, thanks to three dedicated AFA interns. Steve Boutcher, a recent forestry graduate from Vermont; Gary Hoover, a University of Maryland senior in conservation; and Nick Bienstock, an upcoming Harvard freshman, volunteered significant amounts of time and effort in maintaining and improving our program. We are very grateful for their service.

Special thanks also go to Dr. Frederic Meyer of the National Arboretum in Washington, DC, for his technical advice, including tree identification services.

The core of the Big Trees program is the army of nominators across the nation. Their enthusiasm for seeking out superior specimens of the incredibly rich and diverse array of U.S. tree species seems to epitomize the spirit that has driven this association through the 109 years of its existence.

If you would like to join their number and nominate a candidate for the National Register of Big Trees, follow the detailed directions on page 40. If there is any doubt about the species of your candidate, have a forester or arborist verify it. If some doubt still exists, let us know and we will make arrangements with Dr. Meyer for ultimate identification.

There is plenty of virgin ground to plow here—more than 200 U.S. tree species have no recognized champion. A list of those species appears here following the updated listing of champions. You may have a National Champion in your backyard or nearby. AFA would like to strengthen its Big Trees program by having a representative for every species.

Frances A. Hunt

Alder, Arizona Alnus oblongifolia Torr. (1982)	16'7"	129'	50'	341	Cibola Nat'l Forest, NM Jerald R. Lopeman & Salomon C. Peralta
Alder, European Alnus glutinosa (L.) Gaertn (1982)	10'11"	70'	40'	211	Princeton, IL James R. Ream & Mike Robie
Alder, Red Alnus rubra Bong. (1980)	20'5"	104'	49'	361	Clatsop Co., OR Ron Simon
Alder, Speckled, Alnus rugosa (Du Roi) Spreng. (1984)	3'2"	66'	56'	118	St. Clair Co., MI William Brennan, Paul W. Thompson, & R. Kilgore
Alvaradoa, Mexican Alvaradoa amorphoides Liebm. (1983)	12"	35'	14'	51	Miami, FL John G. Cordy & Jim Eggart
Anacua Ehretia anacua (Terán & Berland.) I. M. Johnst. (1983)	14'7"	42'	46'	229	Bexar Co., TX Ann Holland
Apple, Common Malus sylvestris (L.) Mill. (1984)	11'	35'	44'	178	Santa Fe, NM Mary Beth Martin
Apple, Prairie Crab Malus ionesis (Wood) Britton (1982)	2'8"	39'	44'	82	Oakland Co., MI Paul W. Thompson
Ash, Black Fraxinus nigra Marsh. (1984)	8'3"	155'	108'	281	Lenawee Co., MI R. W. Smith & Paul W. Thompson
Ash, White Fraxinus americana L. (1983)	25'4"	95'	83'	416	Palisades, NY F. Arthur Belcher
Aspen, Bigtooth Populus grandidentata Michx. (1984)	8'9"	132'	67'	254	Marquette, MI Paul W. Thompson
Aspen, Quaking Populus tremuloides Michx. (1982)	9'9"	109'	80'	251	Ontonagon Co., MI Harold J. Nett
Avocado Persea americana Mill. (1982)	7'3"	42'	54'	143	Hallandale, FL Frank Searle & Robert Trickle
Baldcypress, Montezuma Taxodium mucronatum Ten. (1967)	17'1"	75'	59'	295	Wainaku, HI L.W. Bryan
Basswood, American Tilia americana L. (1983)	22'11"	101'	67'	393	Grand Traverse Co., MI A. J. Hodge
Basswood, Carolina Tilia caroliniana Mill. (1982 co-champion)	11'6"	65'	65'	219	Holly Springs, MS John Vanderford
Basswood, Carolina Tilia caroliniana Mill. (1983 co-champion)	8'5"	99'	48'	212	Levy Co., FL Robert W. Simons
Bayberry, Southern Myrica cerifera L. (1984)	4'1"	31'	27'	87	Fort George Island, FL Buford Pruitt, David L. Evans, & Kirk M. Stage
Beech, American Fagus grandifolia Ehrh. (1984)	18'6"	130'	75'	373	Ashtabula Co., OH William F. Davis, M.D.
Birch, Gray Betula populifolia Marsh. (1982)	5'1"	58'	41'	129	East Windsor, CT George Grant
Birch, Mountain Paper Betula papyrifera var. cordifolia (Regel) Fern. (1982)	7'10"	78'	76'	191	Glen Haven, MI Paul W. Thompson
Birch, Paper Betula papyrifera Marsh. var. papyrifera (1979)	18'1"	93'	65'	326	Hartford, ME Wilbur Libby
Birch, River Betula nigra L. (1983)	14'11"	86'	85'	286	Anne Arundel Co., MD Neil Merkle
Birch, Sweet Betula lenta L. (1983)	13'2"	63'	64'	237	New Boston, NH Phillip Harvell
Birch, Yellow Betula alleghaniensis Britton (1983)	21'	76'	91'	351	Deer Isle, ME Robert G. Fisk
Blackbead, Ebony (Texas) Pithecellobium flexicaule (Benth.) Coult. (1982 co-champion)	10'6"	38'	48'	176	McAllen, TX Paul & Marilyn Moffitt
Boxelder Acer negundo L. (1984 co-champion)	18'	98'	112'	342	Livingston Co., MI Mike & Laurie Limbers, Paul W. Thompson

Buckeye, Painted Aesculus sylvatica Bartr. (1973)	13'3"	144'	61'	318	Chattahoochee Nat'l Forest L. A. Rich & Coyton Bryson
Buckeye, Red Aesculus pavia L. (1983)	7'7"	64'	52'	168	Kalamazoo, MI Paul W. Thompson
Buckeye, Yellow Aesculus octandra Marsh. (1984)	17'10"	145'	35'	368	Great Smoky Mountains Nat'l Park, TN Earl Rothberger Jr.
Buckthorn, Carolina Rhamnus caroliniana Walt. (1982)	1'11"	43'	18'	71	Norris Dam State Park, TN Frank Podriznik & James Hiser
Burningbush, Eastern Euonymus atropurpureus Jacq. (1982)	1'10"	32'	29'	61	Birmingham, MI Paul W. Thompson & James R. Wells
Cajeput-Tree Melaleuca quinquenervia (Cav.) S.T. Blake (1983)	14'	83'	42'	262	Davie, FL Robert Trickle
Catalpa, Northern Catalpa speciosa Warder ex Engelm. (1982)	19'11"	98'	85'	358	Lansing, MI Paul W. Thompson
Cedar, Eastern Red Juniperus virginiana L. (1984)	13'6"	68'	47'	242	Jasper Co., TX Kenneth R. McKinnon
Chastetree, Common Vitex agnus-castus L. (1984)	4'10"	30'	36'	97	Richland Co., SC Ken Allen
Cherry, Black Prunus serotina Ehrh. (1980 co-champion)	14'4"	132'	126'	336	Washtenaw Co., MI Paul W. Thompson
Cherry, Black Prunus serotina (1984 co-champion)	18'6"	93'	122'	346	Allegan Co., MI Harold Nett
Cherry, Pin Prunus pensylvanica L.f. (1982 co-champion)	5'11"	85'	30'	164	Knoxville, TN R. L. Hay
Cherry, Pin Prunus pensylvanica L.f. (1982 co-champion)	6'9"	80'	35'	169	Gilmer Co., GA Johnny Withrow & Jerry Merritt

This picturesque old Valley Oak near Gridley, CA, is known as the Hutchins Oak and has a height of 161 feet



At 28 feet, the champion California Fremontia in Fresno County, CA, stands as tall as other champions



Species & Year of Most Recent Measurement	Girth	Height	Spread	Points	Location & Nominator
Clethra, Cinnamon Clethra acuminata Michx. (1981)	11'	27'	12'	41	Oconee Co., SC Roland E. Schoenike
Cliffrose Cowania mexicana D. Don. (1984)	16'4"	12'	17'	213	Elko Co., NV Norman H. Ritter
Cottonwood, Eastern Populus deltoides Bartr. ex Marsh. (1982)	32'3"	120'	105'	533	Grundy Co., IN David R. Carr
Cottonwood, Swamp Populus heterophylla L. (1982)	17'	130'	120'	364	St. Matthews, OH Charles C. Hills
Cypress, Arizona Smooth, Cupressus arizonica Greene var. glabra (Sudw.) Little (1984)	14'2"	70'	48'	252	Tonto Nat'l Forest, AZ Paul Stewart
Cypress, Mendocino Cupressus goveniana var. pigmaea Lemm. (1983 co-champion)	14'6"	123'	37'	306	Fort Bragg, CA Robert E. Sholars
Cypress, Mendocino Cupressus goveniana var. pigmaea Lemm. (1983 co-champion)	12'11"	138'	48'	305	Fort Bragg, CA Robert E. Sholars
Devil's Walkingstick Aralia spinosa L. (1982)	2'	51'	23'	81	Gainesville, FL Robert W. Simons
Dogwood, Red-Osier Cornus stolonifera Michx. (1983)	12'9"	26'	15'	43	White Bird, ID F. D. Johnson
Dogwood, Swamp Cornus stricta Lam. (1982)	1'3"	23'	24'	44	Palatka, FL Robert W. Simons & Buford C. Pruitt
Dogwood, Western Cornus occidentalis (Torr. & Gray) Cov. (1983)	11"	16'	12'	30	Lowell, ID F. D. Johnson
Elder, American Sambucus canadensis L. (1978)	1'2"	26'	18'	45	Leelanau Co., MI Paul W. Thompson
Elm, Florida Ulmus americana var. floridana (Chapm.) Little (1982)	13'2"	94'	54'	266	Gainesville, FL Robert Dye & Robert W. Simons
Elm, Slippery Ulmus rubra Muhl. (1982)	22'2"	115'	60'	396	Big Oak Tree State Park, MO Paul W. Nelson
Elm, Winged Ulmus alata Michx. (1983)	11'	114'	112'	274	Levy Co., FL Robert W. Simons & Dennis Andrews
Eucalyptus, Longbeak Eucalyptus camaldulensis Dehnh. (1983)	14'10"	171'	68'	366	Kern Co., CA Sherrnan J. Finch & Herschel K. Kimble

Historic Butternut Champion Lost



Last July 7, the Portland Oregonian newspaper reported the demise of a treasured champion butternut tree. The tree was 20 feet 8 inches in circumference and stood 100 feet tall, with a crown spread of 94 feet. It was planted roughly 130 years ago by pioneer Samuel K. Barlow, founder of the "Barlow Road" through the Cascades. He and his wife paid to have butternut and black walnut seed transported to them from trees in their native Midwest.

The tree grew beside the home of Bob and Sue Hamlin. "We feel like we've lost an old friend—our children all grew up on that tree," said Sue, whose children are now 20 to 25 years old.

The Hamlins were not at home when the tree fell, scraping the old white house and damaging an eave and the porch roof. The two family cars are normally parked where the tree crashed. AFA Western Regional Representative Bob Torheim reported the loss to the Big Tree program office.

Maynard Dawson, the "Tree Hunter" (see article in this issue), and Dorothy Behlen Heinrichs, AFA's former Director of Big Trees, at base of big butternut before it blew down

Species & Year of Most Recent Measurement	Girth	Height	Spread	Points	Location & Nominator
Fig, Shortleaf <i>Ficus citrifolia</i> Mill. (1983)	16'8"	52'	85'	273	Fort Lauderdale, FL Thomas D. Williams
Fir, Pacific Silver <i>Abies amabilis</i> (Dougl.) Forbes (1983)	24'8"	203'	26'6"	506	Forks, WA Lloyd H. Larson
Fir, Shasta Red <i>Abies magnifica</i> var. <i>shastensis</i> Lemm. (1983)	20'5"	228'	32'	481	Rogue River Nat'l Forest, OR Jack James
Franklinia <i>Franklinia alatamaha</i> Batr. ex Marsh. (1968)	5'8"	36'	44'	107	Wyndmoor, PA John Swartley
Fremontia, California <i>Fremontodendron californicum</i> (Torr.) Cov. (1983)	5'4"	28'	27'	99	Fresno Co., CA Michael Jefferies, Joe Lea, & John Hansen
Geiger Tree <i>Cordia sebestena</i> L. (1979)	2'10"	25'	28'	66	Stuart, FL John Shannon & Ken Ringe
Hawthorn, Biltmore <i>Crataegus intricata</i> Lange (1982)	7'6"	23'	42'	124	Annandale, VA Richard Salzer
Hawthorn, Fleshy <i>Crataegus succulenta</i> Schrad. (1982)	4'	36'	55'	98	Kirkwood, MD Bruce Vawter
Hawthorn, Little Hip <i>Crataegus spathulata</i> Michx. (1981 co-champion)	2'7"	27'	37'	67	Hapeville, GA Jim L. Chance
Hawthorn, Little Hip <i>Crataegus spathulata</i> Michx. (1980 co-champion)	1'10"	33'	30'	63	Sabine Co., TX Raymond Edgar & Edward C. Fritz
Hawthorn, May <i>Crataegus aestivalis</i> (Walt.) Torr. & Gray (1982)	4'	36'	32'	92	O'leno State Park, FL Robert W. Simons & Michael Bordyn
Hawthorn, Washington <i>Crataegus phaenopyrum</i> (L.f) Medic. (1984)	3'6"	30'	32'	80	Falls Church, VA Richard Salzer
Hickory, Red <i>Carya glabra</i> var. <i>odorata</i> (Marsh.) Little (1982)	11'10"	140'	62'	298	Great Smoky Mountains Nat'l Park, TN Bill Korn
Hickory, Sand <i>Carya pallida</i> (Ashe) Engl. & Graebn. (1982 co-champion)	9'6"	114'	86'	250	Edgecombe Co., NC Sid Shearin
Holly, American <i>Ilex opaca</i> Ait. (1983)	11'6"	50'	39'	198	St. Mary's City, MD Holly Society of America
Holly, Carolina <i>Ilex ambigua</i> (Michx.) Torr. (1984)	1'	22'	17'	43	Ft. George Island, FL Buford C. Pruitt Jr.
Hophornbeam, Chisos <i>Ostrya chisosensis</i> Correll (1983)	2'4"	32'	24'	66	Big Bend Nat'l Park, TX James E. Liles
Hoptree, Common <i>Ptelea trifoliata</i> L. (1983)	2'9"	35'	40'	78	Ada, MI Paul W. Thompson & C. Rodgers
Hornbeam, American <i>Carpinus caroliniana</i> Walt. (1982 co-champion)	7'11"	69'	56'	178	Milton, NY Morgan Wright
Hornbeam, American <i>Carpinus caroliniana</i> Walt. (1982 co-champion)	9'10"	42'	65'	176	Stark Co., OH Charles C. King
Huisache <i>Acacia farnesiana</i> (L.) Willd. (1982)	8'3"	36'	51'	146	Zapata Co., TX T. J. Griffith
Juniper, Drooping <i>Juniperus flaccida</i> Schlecht. (1982)	8'6"	55'	35'	166	Big Bend Nat'l Park, TX James E. Liles
Juniper, Western <i>Juniperus occidentalis</i> Hook. (1983)	40'	86'	58'	581	Stanislaus Nat'l Forest, CA J. R. Hall
Lignumvitae, Roughbark <i>Guaiacum sanctum</i> L. (1983)	4'8"	37'	26'	100	Biscayne Nat'l Park, FL John Cordy & Danny Peters
Lignumvitae, Texas <i>Guaiacum angustifolium</i> Engelm. (1974)	2'8"	26'	22'	64	Hidalgo Co., TX Terry Fears
Loblolly, Bay <i>Gordonia lasianthus</i> (L.) Ellis (1983)	13'5"	94'	52'	268	Hugh's Island, Ocala Nat'l Forest, FL Robert Simons & Daniel Ward
Madrone, Texas <i>Arbutus texana</i> Buckl. (1982)	9'4"	32'	42'	155	Big Bend Nat'l Forest, TX James E. Liles
Magnolia, Cucumber Tree <i>Magnolia acuminata</i> L. (1982)	20'7"	94'	93'	364	North Canton, OH Jeremy R. Felland
Magnolia, Fraser <i>Magnolia fraseri</i> Walt. (1982)	9'11"	101'	56'11"	234	Great Smoky Mountains Nat'l Park, TN Perry Scott & Peter S. White

Species & Year of Most Recent Measurement

	Girth	Height	Spread	Points	Location & Nominator
Magnolia, Yellow Cucumber Tree Magnolia acuminata var. subcordata (1969)	13'	97'	65'	269	Kennett Square, PA John Swartley
Maple, Chalk Acer leucoderme Small (1984 co-champion)	2'5"	57'	36'	95	Sumter Nat'l Forest, SC Roland E. Schoenike
Maple, Chalk Acer leucoderme Small (1984 co-champion)	2'11"	49'	35'	93	Sumter Nat'l Forest, SC Roland E. Schoenike
Maple Norway Acer platanoides (1982)	19'2"	63'	66'	310	Bryn Mawr, PA Robert McElroy
Maple, Red Acer rubrum L. (1984)	18'6"	179'	120'	431	St. Clair Co., MI Paul W. Thompson
Maple, Silver Acer saccharinum L. (1982)	23'	125'	134'	435	Oakland Co., MI Harold Nett
Maple, Striped Acer pensylvanicum L. (1984)	4'6"	65'	32'	127	Harlan Co., KY Lynn Garrison
Mescalbean Sophora secundiflora (Gomex Ortega) Lag. ex DC. (1983)	5'8"	27'	27'	102	Comal Co., TX Ann Holland & Kathy T. Thielman
Mesquite, Honey Prosopis glandulosa Torr. (1984)	12'8"	52'	71'	222	Real Co., TX Ronnie W. Pendley
Mesquite, Screwbean Prosopis pubescens Benth. (1983 co-champion)	3'3"	30'	36'	78	Big Bend Nat'l Park, TX James E. Liles
Mountain Ash, European Sorbus aucuparia L. (1984)	(at 30') 6'1"	39'	38'	122	Shawano, WI Bob Brusius
Mountain Ash, Showy Sorbus decora (Sarg.) Schneid. (1982)	4'9"	58'	32'	123	Mackinac Co., MI William J. Mahalak
Mountain Holly Nemopanthus collinus (Alexander) Clark (1982)	1'1"	20'	10'	36	Oakland Co., MI Paul W. Thompson
Mulberry, Black Morus nigra L. (1983)	19'8"	68'	76'	323	Westminster, MD Earl Yingling
Mulberry, Red Morus rubra L. (1984 co-champion)	20'8"	62'	76'	329	Edmond, OK Jim Mitchell
Mulberry, White Morus alba L. (1982 co-champion)	22'5"	61'	80'	350	Holt Co., MO Mike Damico
Mulberry, White Morus alba L. (1982 co-champion)	23'	55'	81'	351	Leavenworth, KS Jack Smith
Mulberry, White Morus alba L. (1983 co-champion)	20'11"	75'	79'	346	Lenawee, MI Paul W. Thompson
Oak, Bluejack Quercus incana Bartr. (1983)	6'3"	50'	55'	139	Dallas, TX Edward C. Fritz
Oak, Chisos Quercus graciliformis C.H. Muller (1982)	5'5"	66'	36'	140	Big Bend Nat'l Park, TX James E. Liles
Oak, Durand Quercus durandii Buckl. (1983)	14'6"	110'	120'	314	Omaha, GA Joel Robertson
Oak, English Quercus robur L. (1984)	15'	85'	93'	288	North Bend, OH Carl Hunsicker
Oak, Graves Quercus gravesii Sudw. (1982 co-champion)	(at 3') 12'10"	42'	40'	206	Big Bend Nat'l Park, TX James E. Liles
Oak, Gray Quercus grisea Liebm (1983 co-champion)	6'3"	50'	48'	137	Big Bend Nat'l Park, TX James E. Liles
Oak, Interior Live Quercus wislizeni A. DC. (1982)	22'4"	89'9"	68'9"	375	Stockton, CA Darold Mac Dannald
Oak, Lacey Quercus glaucooides Mart. & Gal. (1983)	9'4"	35'	53'	160	San Antonio, TX Ann Holland & Paul Cox
Oak, Laurel Quercus laurifolia Michx. (1976)	20'9"	148'	76'	416	Richland Co., SC Chick Gaddy & Sam Marbut
Oak, Netleaf Quercus rugosa Née (1983)	7'	38'	36'	131	Big Bend Nat'l Park, TX James E. Liles
Oak, Northern Red Quercus rubra L. (1983 co-champion)	26'6"	98'	102'	442	Buckland, MA Russ Richardson, Gerry Veale, & Richard Kulis

Species & Year of Most Recent Measurement	Girth	Height	Spread	Points	Location & Nominator
Oak, Northern Red <i>Quercus rubra</i> L. (1984 co-champion)	26'3"	88'	96'	427	Ashtabula Co., OH William F. Davis, MD
Oak, Northern Red <i>Quercus rubra</i> L. (1978 co-champion)	23'7"	127'	127'	442	Berrien Co., MI Paul W. Thompson
Oak, Northern Pin <i>Quercus ellipsoidalis</i> E.J. Hill (1983)	12'8"	79'	159'	270	Lanham, MD William Skaradek
Oak, Nuttall <i>Quercus nuttallii</i> Palmer (1984)	21'8"	96'	110'	384	Washington Co., MS C. Hamberlin
Oak, Overcup <i>Quercus lyrata</i> Walt. (1983)	22'4"	148'	76'	435	Richland Co., SC John E. Cely & James V. Elder
Oak, Post <i>Quercus stellata</i> Wangenh. (1982 co-champion)	15'11"	88'	128'	311	Auburn, AL J. H. Neal
Oak, Post <i>Quercus stellata</i> Wangenh. (1983 co-champion)	17'7"	73'	92'	307	Statesboro, GA Gene Rogers & Jack Finch
Oak, Post <i>Quercus stellata</i> Wangenh. (1982 co-champion)	15'2"	94'	109'	303 1/4	Batesville, MS Billy Page & James V. Poe
Oak, Shingle <i>Quercus imbricaria</i> Michx. (1982)	19'1"	81'	81'	330	Wayne Co., OH John Aughanbaugh
Oak, Shumard <i>Quercus shumardii</i> Buckl. (1984)	20'	155'	116'	424	Congaree Swamp Nat'l Monument, SC Samuel E. Porth
Oak, Southern Red <i>Quercus falcata</i> Michx. (1983)	28'	135'	141'	506	Harwood, MD Earl Yingling
Oak, Valley <i>Quercus lobata</i> Née (1984 co-champion)	28'2"	161'	90'	521	Gridley, CA Adrian R.M. Sears, MD
Oak, Vasey <i>Quercus pungens</i> var. <i>vaseyana</i> (Buckl.) C.H. Muller (1982 co-champion)	3'9"	48'	40'	103	Big Bend Nat'l Park, TX James E. Liles
Oak, Water <i>Quercus nigra</i> L. (1983)	20'2"	110'	123'	383	Currituck Co., NC Mr. & Mrs. Jack F. Harry
Oak, White <i>Quercus alba</i> L. (1983)	32'3"	102'	158'	526	Wye Mills State Park, MD F. W. Besley
Oak, Willow <i>Quercus phellos</i> L. (1983)	25'3"	135'	103'	464	Queenstown, MD S. Glidden Baldwin
Paradise-Tree <i>Simarouba glauca</i> DC. (1984)	6'6"	62'	47'	152	Ft. Lauderdale, FL Ann Buckley, Ted Hendrickson, & Robert Trickel
Pawpaw <i>Asimina triloba</i> (L.) Dunal (1982 co-champion)	2'11"	47'	32'	90	Macomb Co., MI Paul W. Thompson
Pawpaw <i>Asimina triloba</i> (L.) Dunal (1982 co-champion)	4'7"	23'	25'	86	Claiborne Co., TN Harold West
Pecan <i>Carya illinoensis</i> (Wangenh.) K. Koch (1983)	23'10"	130'	90'	439	Warren Co., MS Ronnie Edmonds & Glen Poche
Pinckneya <i>Pinckneya pubens</i> Michx. (1982)	12"	32'	16'	48	Orange Springs, FL Robert W. Simons & Tom Morris
Pine, Apache <i>Pinus engelmannii</i> Carr. (1983)	10'2"	98'	30'	228	Coronado Nat'l Forest, AZ C. Philip Yost
Pine, Bolander's <i>Pinus contortae</i> var. <i>bolander</i> (1983)	4'10"	76'	18'	139	Fort Bragg, CA Robert E. Sholars
Pine, Chihuahuá <i>Pinus leiophylla</i> var. <i>chihuahuana</i> (Engelm.) Shaw (1982)	9'1"	87'	37'	205	Fort Apache Indian Res., AZ Mike Haaskan
Pine, Colorado Bristlecone <i>Pinus aristata</i> Engelm. (1982)	9'11"	60'	25'	185	Carson Nat'l Forest, NM Earl F. Aldon & Larry Schmidt
Pine, Foxtail <i>Pinus balfouriana</i> Grev. & Balf. (1982 co-champion)	26'4"	76'	34'	401	Trinity Nat'l Forest, CA Stanley G. Moore & Richard S. Moore
Pine, Jeffrey <i>Pinus jeffreyi</i> Grev. & Balf. (1984)	25'7"	197'	90.5'	527	Pinecrest, CA David W. Camp & Thomas C. Phillips
Pine, Lodgepole <i>Pinus contorta</i> var. <i>latifolia</i> Engelm. (1984)	12'4"	125'	56'	286	Chiloquin, OR Robert L. Brackett

Pine, Mexican Pinyon Pinus cembroides Zucc. (1982)	9'3"	66'	44'	188	Big Bend Nat'l Park, TX James E. Liles
Pine, Pinyon Pinus edulis Engelm. (1982)	17'9"	69'	52'	295	Cuba, NM Joseph P. Szimhart
Pine, Pitch Pinus rigida Mill. (1979)	11'5"	101'	51'	251	Poland, ME Martin Calderara
Pine, Scotch Pinus sylvestris L. (1983 co-champion)	15'6"	64'	76'	269	Lenawee Co., MI Paul W. Thompson
Pine, Eastern White Pinus strobus L. (1983 co-champion)	18'9"	160'	55'	399	Douglas Co., WI Walter E. Scott
Pine, Eastern White Pinus strobus L. (1984 co-champion)	15'6"	201'	52'	400	Marquette, MI Paul W. Thompson
Pine, Eastern White Pinus strobus L. (1984 co-champion)	16'10"	181'	64'	399	Marquette, MI Paul W. Thompson
Pine, Western White Pinus monticola Dougl. ex D. Don. (1984)	34'6"	157'	55'	584	El Dorado Nat'l Forest, CO Henry Carsten & Maynard Dawson
Pine, Whitebark Pinus albicaulis Engelm. (1980)	27'7"	69'	47'	412	Sawtooth Nat'l Recreation Area, ID Allan W. Ashton & David O. Lee
Poplar, Balsam Populus balsamifera (1982 co-champion)	17'	98'	68'	319	S. Egremont, MA Morgan Bulkeley
Poplar, Balsam Populus balsamifera (1984 co-champion)	16'5.5"	105'	87'	325	Sandwich, NH Forest Martel
Poplar, Balsam Populus balsamifera (1984 co-champion)	13'6"	138'	92'	323	Marquette, MI Paul W. Thompson
Poplar, White Populus alba L. (1984)	20'11"	96'	79'	367	Fond du Lac, WI Thaddeus J. Pyrek & James Hovland
Privet, Japanese Ligustrum japonicum Thunb. (1984)	8'2"	42'	44'	151	Columbia, SC Ronald Ferguson
Russian-Olive Elaeagnus angustifolia L. (1982)	10'6"	58'	90'	206	Cortez, CO Wendell G. Hassell
Saw-Palmetto Serenoa repens (Bartr.) Small (1982 co-champion)	2'2"	17'	10'7"	45	Withlacoochee State Forest, FL Buford C. Pruitt Jr. & David L. Evans
Saw-Palmetto Serenoa repens (Bartr.) Small (1982 co-champion)	2'	16'7"	9'11"	43	Withlacoochee State Forest, FL Buford C. Pruitt Jr. & David L. Evans
Serviceberry, Downy Amelanchier arborea (Michx. f.) Fern (1984)	6'7"	63'	74'	161	Barry Co., MI Kensinger Jones & Paul W. Thompson
Silverbell, Carolina Halesia carolina L. (1984)	11'11"	84'	40'	237	Gatlinburg, TN Paul Durr & Molly Hobart
Silverbell, Two-Wing Halesia diptera Ellis (1982)	5'6"	67'	34'2"	141	Buncombe Co., NC K. A. Knox
Smoketree, American Cotinus obovatus Raf. (1984)	(at 2') 7'5"	35'	34'	133	West Lafayette, IN Scott A. Jamieson
Snowbell, American Styrax americanus Lam. (1982 co-champion)	8"	13'	15'	25	Angelina Co., TX Ned Fritz
Soapberry, Western Sapindus drummondii Hook & Arn. (1984)	7'6"	72'	59'	177	Coyle, OK Patrick McDowell & Steve Couch
Sparkleberry Tree Vaccinium arboreum Marsh. (1982 co-champion)	4'	23'	30'	79	Augusta, GA Roy Simkins Jr.
Spruce, Blue or Colorado Picea pungens Engelm. (1982)	13'11"	148'	34'	324	Rio Blanco Co., CO Ken Hotchkiss
Stewartia, Mountain Stewartia ovata (Cav.) Weatherby (1982)	1'3"	25'	16'	44	Great Smoky Mountains Nat'l Park, TN Frank Tucker Jr. & David S. Johnston
Sumac, Shining Rhus copallina L. (1976)	1'6"	32'	20'	55	Kalamazoo, MI Paul W. Thompson
Sumac, Staghorn Rhus typhina L. (1984)	3'7"	42'	36'	94	Gatlinburg, TN Paul Durr & Molly Hobart
Sycamore, American Platanus occidentalis L. (1982)	48'6"	129'	105'	737	Jeromesville, OH Loren Latimer

Tamarack Larix laricina (Du Roi) K. Koch (1983)	11'11"	92'	31'	243	Aroostook Co., ME Dr. Robert S. Seymour
Tamarisk, French Tamarix gallica L. (1983)	10'8"	64'	66'	209	Big Bend Nat'l Park, TX James E. Liles
Tetrazygia, Florida Tetrazygia bicolor (Mill.) Cogn. (1983)	1'4"	41'	19'	62	Miami, FL John G. Cordy
Trifoliolate-Orange Poncirus trifoliata (L) Raf. (1984)	(at 1') 4'2"	14'	15"	68	Aiken Co., SC Roland E. Schoenike & Thomas B. Earle
Tupelo, Ogeechee Nyssa ogeche Bartr. ex Marsh. (1982)	16'9"	60'	61'4"	276	Columbia Co., FL Dodie Pedlow
Viburnum (Nannyberry) Viburnum lentago L. (1976)	2'8"	38'	32'	78	Oakland Co., MI Paul W. Thompson
Walnut, Black Juglans nigra L. (1983)	22'7"	122'	134'	427	Humboldt Co., CA Loise Read Paine
Water-Elm Planera aquatica J.F. Gmel. (1983)	15'3"	106'	96'	313	New Bern, NC Richard Salzer
Willow, Autumn Salix serissima (Bailey) Fern. (1982)	2'5"	46'	40'	85	Oakland Co., MI Paul W. Thompson
Willow, Bebb Salix bebbiana Sarg. (1982 co-champion)	1'6"	36'	38'	64	Leelanau Co., MI Paul W. Thompson
Willow, Bebb Salix bebbiana Sarg. (1983 co-champion)	2'4"	29'6"	16'6"	62	Clayton, ID S. J. Brunsfeld & F. D. Johnson
Willow, Black Salix nigra Marsh. (1984 co-champion)	26'11"	96'	116'	448	Washtenaw Co., MI Paul W. Thompson
Willow, Coastal Plains Salix caroliniana Michx. (1984)	5'4"	62'	24'	132	Bolivar, WV Richard Salzer
Willow, Pacific Salix lasiandra Benth. (1982)	15'3"	75'	86'6"	280	Moscow, ID S. J. Brunsfeld & R. C. Crawford
Willow, Pussy Salix discolor Muhl. (1983)	4'6"	47'	33'	109	Clinton Co., MI Paul W. Thompson
Willow, Weeping Salix babylonica L. (1982 co-champion)	22'7"	117'	116'	417	Detroit, MI Mr. & Mrs. Joseph Kropp
Willow, Weeping Salix babylonica L. (1982 co-champion)	23'10"	97'	108'	410	Asheville, NC Kenneth Knox & Clyde Osborne
Yellowwood Cladrastis kentukea (Dum.-Cours.) Rudd (1983 co-champion)	15'4"	81'	79'	285	Belmont, MA Ruth S. Foster
Yellowwood Cladrastis kentukea (Dum.-Cours.) Rudd (1984 co-champion)	14'9"	80'	96'	281	Washtenaw Co., MI Paul W. Thompson

New champ Mendocino Cypress, Ft. Bragg, CA



South Egremont, MA, is site of co-champion Balsam Poplar



SPECIES WITHOUT CHAMPIONS

ACACIA

Blackbrush, *Acacia rigidula*
Cinnecord, *Acacia choriophylla*
Guajillo, *Acacia berlandieri*
Huisachillo, *Acacia tortuosa*
Long-spine, *Acacia macracantha*
Roemer, *Acacia roemeriana*

Alder,
White, *Alnus rhombifolia*

ALDER

Red, *Alnus rubra*

ALLTHORN

Koeberlinia spinosa

ANACAHUITE

Cordia boissieri

ANISE-TREE

Florida, *Illicium floridanum*
Yellow, *Illicium parviflorum*

APPLE

Sweet crab, *Malus coronaria*

APRICOT

Desert, *Prunus fermentii*

ASH

Chihuahua, *Fraxinus papillosa*
Fragrant, *Fraxinus cuspidata*
Goodding, *Fraxinus gooddingii*
Gregg, *Fraxinus greggii*
Two-petal, *Fraxinus dipetala*

BARRETA

Helietta parvifolia

BAYBERRY

Evergreen, *Myrica heterophylla*
Northern, *Myrica pensylvanica*
Odorless, *Myrica inodora*

BAYCEDAR

Suriana maritima

BIRCH

Alaska Paper, *Betula papyrifera* var.
neolaskana
Kenai, *Betula papyrifera* var. *kenaica*

BITTERBUSH

Picramnia pentandra

BLACKBEAD

Guadeloupe, *Pithecellobium guadalupense*

BLACK-CALABASH

Amphitecna latifolia

BLADDER NUT

Sierra, *Staphylea bolanderi*

BUCKEYE

Bottlebrush, *Aesculus parviflora*

BUCCANEER-PALM

Pseudophoenix sargentii

BUCKTHORN

Birchleaf, *Rhamnus betulifolia*

BURNINGBUSH

Western, *Euonymus occidentalis*

BURSERIA

Fragrant, *Bursera fagaroides*

BUTTERNUT

White walnut, *Juglans cinera*

BYRSONIMA

Key, *Byrsonima lucida*

CAESALPINIA

Mexican, *Caesalpinia mexicana*
Paradise, *Caesalpinia gilliesii*

CASTORBEAN

Ricinus communis

CAPER

Jamaica, *Capparis cynophallophora*
Limber, *Capparis flexuosa*

CERCOCARPUS

Alderleaf, *Cercocarpus montanus*
Catalina, *Cercocarpus traskiae*
Hairy, *Cercocarpus breviflorus*

CHERRY

Alabama Black, *Prunus serotina* var.
alabamensis
Southwestern Black, *Prunus serotina* var.
rufula
Mahaleb, *Prunus mahaleb*
West Indies, *Prunus myrtifolia*

CHINKAPIN

Allegheny, *Castanea pumila*

CHOLLA

Jumping, *Opuntia fulgida*

COCOPLUM

Chrysobalanus icaco

COLUBRINA

Coffee, *Colubrina arborescens*
Cuba, *Colubrina cubensis*

CONDALIA

Bitter, *Candalia globosa*

CORALBEAN

Southwestern, *Erythrina flabelliformis*

CORKWOOD

Leitneria floridana

COTTONWOOD

Meseta, *Populus fremontii* var. *mesetae*

CROSSOPETALUM

Florida, *Crossopetalum rhacoma*

CYPRESS

Gowen, *Cupressus goveniana* var.
goveniana
Sargent, *Cupressus sargentii*

CYRILLA

Littleleaf, *Cyrilla racemiflora* var. *parvifolia*

DOGWOOD

Blackfruit, *Cornus sessilis*
Smooth, *Cornus glabrata*

DOWNY-MYRTLE

Rhodomyrtus tomentosa

ELDER

Velvet, *Sambucus velutina*

ELEPHANT-TREE

Bursera microphylla

ESENBECKIA

Berlandier, *Esenbeckia berlandieri*

EUCALYPTUS

Bluegum, *Eucalyptus globulus*

FALSEBOX

Gyminda latifolia

FIDDLEWOOD

Berlandier, *Citharexylum berlandieri*

FIR

California White, *Abeis concolor* var.
lowiana

FLORIDA BOXWOOD

Schaefferia frutescens

FLORIDA-PRIVET

Forestiera segregata

FLOWERFENCE

Caesalpinia pulcherrima

FORESTIERA

Desert-Olive, *Forestiera phillyreoides*
Texas, *Forestiera angustifolia*

FREMONTIA

Mexican, *Fremontodendron mexicanum*

GRAYTWIG

Schoepfia chrysophylloides

GUAVA

Psidium guajava

HAWTHORN

Broadleaf, *Crataegus dilatata*
Cerro, *Crataegus erythropoda*
Fireberry, *Crataegus chrysocarpa*
Frosted, *Crataegus pruinosa*
Harbison, *Crataegus harbisonii*
Gregg, *Crataegus greggiana*
Oneflower, *Crataegus uniflora*
Reverchon, *Crataegus reverchonii*
Riverflat, *Crataegus opaca*
Texas, *Crataegus texana*
Threeflower, *Crataegus triflora*
Tracy, *Crataegus tracyi*
Willow, *Crataegus saligna*

HERCULES-CLUB

Texas, *Zanthoxylum hirsutum*

HIBISCUS

Sea, *Hibiscus tiliaceus*

HICKORY

Scrub, *Carya floridana*

HOLACANTHA

Holacantha emoryi

HOLLY

Dune, *Ilex opaca* var. *arenicola*
Georgia, *Ilex longipes*
Sarvis, *Ilex amelanther*

HOPBUSH

Dodonaea viscosa

HOPHORNBEAM

Knowlton, *Ostrya knowltonii*

HOPTREE

California, *Ptelea crenulata*

HUAJILLO

Pithecellobium pallens

INDIA-ALMOND

Terminalia catappa

INDIAN-FIG

Optunia ficus-indica

JOEWOOD

Jacquinia keyensis

JUNIPER

Redberry, *Juniperus erythrocarpa*

KIDNEYWOOD

Eysenhardtia polystachya
Texas, *Eysenhardtia texana*

LEUCAENA

Leucaena leucocephala
Great, Leucaena pulverulenta
Littleleaf, Leucaena retusa

LICARIA

Florida, Licaria triandra

LIDFLOWER

Pale, Calyptranthes pallens

LIME

Citrus aurantifolia

LOCUST

Clammy, Robinia viscosa
Kelsey, Robinia kelseyi

LYONTREE

Lyonothamnus floribundus

MAIDENBUSH

Savia bahamensis

MANGO

Mangifera indica

MAPLE

Mountain, Acer spicatum

MARLBERRY

Ardisia escallonioides

MAYTEN

Florida, Maytenus phyllanthoides

MESQUITE

Western Honey, Prosopis glandulosa var.
torreyana

MEXICAN-BUCKEYE

Ungnadia speciosa

MOUNTAIN-ASH

Greene, Sorbus scopulina

MYRTLE-OF-THE-RIVER

Calyptranthes zuzygium

NECTANDRA

Florida, Nectandra coriacea

NIGHTSHADE

Mullein, Solanum erianthum

NOLINA

Bigelow, Nolina bigelovii

OAK

Ajo, Quercus turbinella var. ajoensis
Delta post, Quercus stellata var. paludosa
Dunn, Quercus dunnii
Havard, Quercus havardii
Interior Live, Quercus wislizeni
McDonald, Quercus macdonaldii
Mohr, Quercus mohriana
Nuttall, Quercus nuttallii
Sand live, Quercus virginiana var. geminata
Sandpaper, Quercus pungens
Silverleaf, Quercus hypoleucoides
Swamp chestnut, Quercus michauxii
Texas live, Quercus virginiana var.
fusiformis
Toumey, Quercus toumeyii

ORANGE

Citrus sinensis
Sour, Citrus aurantium

OYSTERWOOD

Gymnanthes lucida

PALOVERDE

Texas, Cercidium texanum
Yellow, Cercidium microphyllum

PAUROTIS-PALM

Acoelorrhaphe wrightii

PAWPAW

Bigflower, Asimina obovata
Smallflower, Asimina parviflora

PEPPERTREE

Brazil, Schinus terebinthifolia

PINE

Digger, Pinus sabiniana
Eastern white, Pinus strobus
Jeffrey, Pinus jeffreyi
Limber, Pinus flexilis
Washoe, Pinus washoensis

PISONIA

Pisonia rotundata

PLUM

Flatwoods, Prunus umbellata
Wildgoose, Prunus munsoniana

PRICKLY-ASH

Biscayne, Zanthoxylum coriaceum

PRICKLYPEAR

Brazil, Opuntia brasiliensis

PRINCEWOOD

Exostema caribaeum

RAPANEA

Florida, Rapania punctata

REDBUD

Texas, Cercis canadensis var. texensis

RHODODENDRON

Catawba, Rhododendron catawbiense

SAFFRON-PLUM

Bumelia celastrina

SAGEBRUSH

Big, Artemisia tridentata

SAGUARO

Cereus giganteus

SAPIUM

Jumping-bean, Sapium biloculare

SCARLETBUSH

Hamelia patens

SERVICEBERRY

Utah, Amelanchier utahensis

SILKBAY

Persea borbonia var. pubescens

SILVERBELL

Little, Halesia parviflora

SOLDIERWOOD

Colbrina elliptica

SNOWBELL

Bigleaf, Styx grandifolius
Sycamoreleaf, Styx platanifolius

STEWARTIA

Virginia, Stewartia malacodendron

STOPPER

Boxleaf, Eugenia foetida
Long-stalk, Psidium longipes
Red, Eugenia rhombea
Simpson, Myrcianthes fragrans var.
simpsonii
Twinberry, Myrcianthes fragrans var.
fragrans
White, Eugenia axillaris

STRONGBACK

Bahama, Bourreria ovata
Rough, Bourreria radula

SUGAR-APPLE

Annona squamosa

SUMAC

Kearney, Rhus kearneyi
Laurel, Rhus laurina
Lemonade, Rhus integrifolia
Littleleaf, Rhus microphylla
Mearns, Rhus choriophylla
Smooth, Rhus glabra

SWAMPBAY

Persea borbonia var. humilis

TAMARIND

Tamarindus indica

TAMARISK

Small-flower, Tamarix parviflora

TANOAK

Lithocarpus densiflorus

THATCHPALM

Florida, Thrinax radiata
Key, Thrinax morrissii

TORCHWOOD

Balsam, Amyris balsamifera

TREE-CACTUS

Deering, Cereus robinii var. deeringii
Key, Cereus robinii var. robinii

TREMA

Florida, Trema micrantha
West Indies, Trema lamarckiana

VAUQUELINIA

Fewflower, Vauquelinia pauciflora

VELVETSEED

Elliptic-leaf, Guettarda elliptica
Roughleaf, Guettarda scabra

WILD-DILLY

Manilkara bahamensis

WILLOW

Basket, Salix viminalis
Feltleaf, Salix alaxensis
Geyer, Salix geyerana
Florida, Salix floridana
Littletree, Salix arbusculoides
Mackenzie, Salix mackenziana
Northwest, Salix sessilifolia
River, Salix fluviatilis
Satiny, Salix pellita

WINTERBERRY

Smooth, Ilex laevigata

YELLOW-ELDER

Tecoma stans

YUCCA

Beaked, Yucca rostrata
Faxon, Yucca faxoniana
Mohave, Yucca schidigera
Moundlily, Yucca gloriosa
Schott, Yucca schottii
Soaptree, Yucca elata
Torrey, Yucca torreyi
Trecul, Yucca treculeana

How To Measure a Tree for AFA's National Register

A TREE IS DEFINED as a woody plant having one erect perennial stem or trunk at least 3 inches in diameter more or less at a point 4½ feet above the ground, a definitely formed crown of foliage, and a height of at least 13 feet.

THE DATA DESIRED on each tree submitted should include:

- 1) its correct species or variety name in accordance with Checklist of United States Trees (Native and Naturalized), U.S. Department of Agriculture Handbook No. 541;
- 2) circumference in feet and inches at 4½ feet above the ground;
- 3) total vertical height to nearest foot;
- 4) average diameter spread of crown to nearest foot;
- 5) location of tree;
- 6) date measured and by whom (if other than nominator);
- 7) name and address of owner;
- 8) clear photograph (with date picture taken);
- 9) description of physical condition and state of preservation; and
- 10) name and correct mailing address of the nominator.

THE CIRCUMFERENCE OF THE TREE is measured at a point 4½ feet above the center of the base of the tree. In the case of a growth or a branch on the trunk at this point, the circumference is measured in feet and inches at the point below this where the circumference is least.

THE TOTAL HEIGHT OF THE TREE is the vertical distance between a horizontal plane passing through the center of the base of the tree and a horizontal plane passing through the topmost twig of the tree. If the tree leans, this topmost branch may not be vertically over the base of the tree. For this reason,

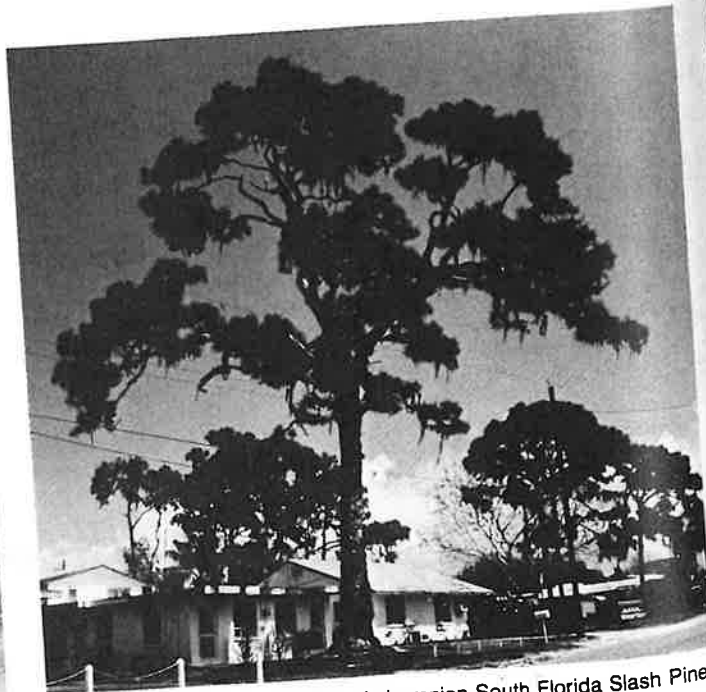
the measurer must stand out from the tree far enough so that he can spot this topmost branch from at least two directions and drive a stake at a point on the ground directly below it at the intersection of his line of sight when holding a string with a plumb bob or other weight attached in line with this tip and sighting to the ground. He should then tie his handkerchief around the stake with the top edge just level with the center of the base of the tree. (Of course where the top is directly over the base on level ground, no stake is needed.) He can then measure the vertical distance from the top of the handkerchief on the stake (or the basal point of the tree where no stake is required) to the topmost branch with any suitable hypsometer available—such as an Abney hand level, a Forest Service hypsometer, a transit, or other instrument.

TO DETERMINE THE CROWN SPREAD, use a string with a plumb bob or other weight attached. Holding the string at the top and sighting up the vertical cord, move towards or away from the tree trunk until you are directly vertical from the edge of the tree crown. Set a stake under the edge of the crown farthest from the tree and another directly opposite it at the outer edge of the crown on the other side on a line passing through the center of the tree. Move these stakes until you have the longest distance of the crown passing through the trunk. Measure this distance to the nearest foot with a tape. Now similarly measure the smallest diameter of the crown passing through the center of the tree. Add the two measurements together and divide the sum by two to obtain the average crown spread which you should report.

SEND NOMINATIONS TO: National Register of Big Trees, American Forestry Association, 1319 18th Street, N.W., Washington, DC 20036.



Largest Biltmore Hawthorn at Airlie Farms, Warrenton, VA



Unusually broad crown is mark of champion South Florida Slash Pine