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AFA's Social Register of Big Trees

New Champions on the Continent and Hawaiian Islands

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The Social Register of BIG TREES

By Lorna C. Littlecott

THE Social Register of Big Trees for continental United States has undergone 140 changes since last reported in *AMERICAN FORESTS*, September 1967. Nearly all of the new Champions have resulted from the concentrated efforts of several state Forestry organizations.

Most of the States actively searching for potential champions rely on the services of the State Forester and his staff to verify measurements and make identification. These devoted rangers with their diameter tapes, abney levels and cameras have been extremely helpful in promoting the campaigns to conserve our monarchs. Some states recognize horticultural varieties and exotic species in their programs, but only forest trees contained in the U.S. Forest Service's *Check List of Native and Naturalized Trees of the United States (including Alaska)* are included in AFA's Social Register of Big Trees.

Many local newspapers have been very helpful in spreading the word. A few radio stations have relayed stories with special interest to their audiences. And in Oregon, two long-time nominators, Oliver V. Matthews and Maynard Drawson, presented the story about their candidate, the National Champion Oregon White Oak, on television.

Texas issues a certificate to the nominator of a State or National Big Tree Champion, and other states are considering doing the same. Florida and Michigan have placed some appropriate and durable signs near recognized Champions. Missouri is encouraging local clubs to do likewise. A natural history society in Pennsylvania has undertaken a project to list trees standing when William Penn arrived. South Carolina and Florida have developed printed forms for submitting nominations, an aid to recording and consolidating pertinent information. Photographs are useful in all state programs, and AFA appreciates receiving them in support of nominations. A list of Champions by States is included elsewhere in this issue of the magazine.

The key to any successful program is the interest of its participants, and many individuals have unearthed some unusual stories about their favorite Big Tree. For instance, a white oak in Missouri is supposed to have a Civil War cannon ball buried in its trunk. Several treaties have been signed under the spreading branches of a number of nominees. In some instances plans for road building have been changed in order to preserve a Champion. And occasionally long distance phone calls are received to settle a heated discussion as to where and how big a particular Champion is.

Age of a tree is a universal question that arises often. But accurate determination of exact age can baffle even the experts. Count of annual growth rings with an increment bore is the most reliable method, but laymen usually do not have access to such an instrument.

Anyone interested in trees is cordially invited to nominate a candidate for the Social Register. Information needed includes circumference at 4½ feet above the ground, height, average crown spread, location of tree, name of owner and address of the nominator. Instructions on how to measure are available from AFA upon request. If you know of an exceptionally large tree, report to your State Forester or to AFA. We shall be pleased to consider it for recognition in the Social Register.

Included at the end of the list are a few "Tree-like Shrubs"; i.e., shrubby species that have developed tree form in some localities yet do not meet the U.S. Forest Service's definition of "tree."

Former Champions that have succumbed to the elements or to the advance of civilization are shown separately. Otherwise, all entries here represent species not previously reported or they are larger than and thereby have dethroned the previous Champions.

Species and Year Reported	Circumference at 4½ feet	Height	Spread	Location of Tree and Nominator
APPLE				
Lanceleaf crab apple, <i>Malus coronaria</i> var. <i>lancifolia</i> (1968) ¹	3'5"	29'	28'	Kansas City, Mo. Kendall Laughlin, Chicago, Ill.
Prairie crab apple, <i>Malus ioensis</i> (1968)	2'8"	27'	28'	Kansas City, Mo. Kendall Laughlin, Chicago, Ill.
Southern crab apple, <i>Malus angustifolia</i> (1968)	3'3"	40'	38'	Columbia, S.C. C. H. Flory and Nelson L. Peach.
ASPEN				
Quaking, <i>Populus tremuloides</i> (1968)	11'2"	75'	38'	Near Cedar City, Utah. Carl W. Swanson.
BACCHARIS				
Eastern, <i>Baccharis halimifolia</i> (1967)	11"	12'	8'	Myakka State Park, Fla. Eldredge Carnes, Sarasota.
BASSWOOD				
White, <i>Tilia heterophylla</i> (1968)	13'1"	80'	70'	Morris Arboretum, Philadelphia. John T. McNeill and John C. Swartley.
BAYBERRY				
Southern, <i>Myrica cerifera</i> (1968)	3'9"	32'	33'	Crestview, Fla. Mrs. E. O. Sanders, Pensacola.
BIRCH				
River, <i>Betula nigra</i> (1968)	13'6" (at 2')	85'	95'	Germantown, Pa. John T. McNeill, Philadelphia, and John C. Swartley, Ambler.
BLACKBEAD				
Catclaw, <i>Pithecellobium unguis-cati</i> (1968)	2'	24'	24'	Maderia Bikel Mound State Park, Fla. Eldredge T. Carnes.
BUCIDA				
Oxhorn, <i>Bucida buceras</i> (1968)	7'5"	47'	66'	Miami, Fla. Elbert A. Schory, Ft. Myers.
BUCKEYE				
Red, <i>Aesculus pavia</i> (1967)	1'1"	22'	14'	Crawfordville, Fla. Frank Fagan.
BUTTERNUT				
<i>Juglans cinerea</i> (1968)	20'8"	100'	94'	Portland, Ore. Mrs. John L. McClintock, Portland.
BUTTON-MANGROVE				
<i>Conocarpus erectus</i> (1968)	3'9"	25'	33'	Palma Sola, Fla. Eldredge T. Carnes, Sarasota.
CAJEPUT-TREE				
<i>Melaleuca leucadendron</i> (1968)	8'4"	60'	25'	Miami, Fla. Elbert A. Schory, Ft. Myers.
CAMPHOR-TREE				
<i>Cinnamomum camphora</i> (1968)	28'	46'	106'	Near Bradenton, Fla. Eldredge T. Carnes, Sarasota.
CEDAR				
Southern redcedar, <i>Juniperus silicicola</i> (1968)	10'2"	50'	50'	Pensacola, Fla. Mrs. E. O. Sanders and Mrs. J. M. Boland.
CHINABERRY				
<i>Melia azedarach</i> (1968)	10'2"	82'	73'	Near Brantley, Ala. Paul W. Thompson, Birmingham, Mich.
CHOKECHERRY				
Western, <i>Prunus virginiana</i> var. <i>melanocarpa</i> (1967) ¹	3'2"	45'	38'	Near Idaho Falls, Idaho. Frederic D. Johnson, and Grant Baugh, Moscow.
COTTONWOOD				
Fremont, <i>Populus fremontii</i> var. <i>fremontii</i> (1968)	26'11"	96'	72'	Near Sutters Ft. State Park, Calif. Gordon R. Foster, Smartsville.

¹ Not included in *Check List* (1953).

Trunk view of Southern red cedar, Pensacola, Florida





Champion Baldcypress, South Carolina. C. W. Hall, forester, shown in photo. Tree is thought to be 2,000 years old

Champion Pignut hickory, Baton Rouge, La., Dr. W. Shewen Slaughter in photo



Species and Year Reported	Circumference at 4½ feet	Height	Spread	Location of Tree and Nominator
CYPRESS				
Monterey, <i>Cupressus macrocarpa</i> (1968)	21'	63'	99'	Pt. Lobos State Park, Calif. Paul W. Thompson, Birmingham, Mich.
DAHOO				
Cassena, <i>Ilex cassine</i> (1968)	1'10"	31'	19'	Perry, Fla. Charles E. Salter, Tallahassee.
Myrtle, <i>Ilex myrtifolia</i> (1968)	8'3"	56'	37'	Near Lawtey, Fla. Nelson B. Blocker, Lake City.
DOGWOOD				
Roughleaf, <i>Cornus drummondii</i> (1957) ²	1'4"	10'	4'	Mt. Washington Cemetery, Independence, Mo. Kendall Laughlin, Chicago, Ill.
DOUGLAS-FIR				
Rocky Mountain, <i>Pseudotsuga menziesii</i> var. <i>glauca</i> (1966) ²	19'8"	130'		Boise, Idaho. Frederic D. Johnson and John Humphries, Moscow.
ELDER				
Florida, <i>Sambucus simpsonii</i> (1967)	1'4"	15'	10'	Sarasota, Fla. Eldredge T. Carnes.
ELM				
Rock, <i>Ulmus thomasi</i> (1967) ²	11'1"	99'	59'	Swope Park, Kansas City, Mo. Kendall Laughlin, Chicago, Ill.
Siberian, <i>Ulmus pumila</i> (1967)	17'4"	80'	75'	Bath, New Hampshire. John D. Badger.
Winged, <i>Ulmus alata</i> (1968)	11'1"	93'	81'	Morehouse College, Atlanta, Ga. K. L. Allen, Decatur.
FIR				
Corkbark, <i>Abies lasiocarpa</i> var. <i>arizonica</i> (1968) ³	10'	115'	17'	Santa Fe National Forest, N. M. Elliott S. Barker, Santa Fe.
FRANKLINIA				
Franklinia alatamaha (1968)	3'10" (at 3')	25'	30'	Mt. Airy, Wyndmoor, Pa. John T. McNeill, Philadelphia, and John C. Swartley, Ambler.
GUMBO-LIMBO				
Bursera simaruba (1968)	7'	49'	59'	Near Bradenton, Fla. Paul W. Thompson, Birmingham, Mich.
HAWTHORN				
Crataegus blothra (1966) ^{1 2}	2'11"	50'	28'	Harms Woods, Glenview, Ill. Kendall Laughlin, Chicago.
Crataegus opima (1968)	1'11"	43'	27'	Tallahassee, Fla. Malcolm B. Johnson.
Black, <i>Crataegus douglasii</i> (1968)	5'1"	40'	20'	Polk Co., Ore. Maynard C. Drawson, Salem.
Downy, <i>Crataegus mollis</i> (1966) ²	8'	50'	62'	Paris, Ill. Pierce F. Lippman.
Green, <i>Crataegus viridis</i> (1967)	2'11"	34'	32'	Florida State University, Tallahassee. Charles E. Salter.
Pensacola, <i>Crataegus lacrimata</i> (1968)	2'9" (at 2'7")	21'	23'	Crestview, Fla. Mrs. R. L. Gade, Pensacola.
Scarlet, <i>Crataegus pedicellata</i> ²	2'11"	32'	27'	Harms Woods, Glenview, Ill. Kendall Laughlin, Chicago.
HICKORY				
Bitternut, <i>Carya cordiformis</i> (1968)	11'	105'	80'	Marcellus, Mich. L. Lewis, Marcellus, and Paul W. Thompson, Birmingham.
Coast pignut, <i>Carya glabra</i> var. <i>megacarpa</i> (1968)	14'2"	111'	88'	East Baton Rouge Parish, La. Charles W. Eddington, Alexandria.

² New measurements.
³ National Co-Champion.

Species and Year Reported	Circumference at 4½ feet	Height	Spread	Location of Tree and Nominator
HONEYLOCUST				
Texas, <i>Gleditsia Xtexana</i> (1968)	6'9"	112'	43'	Alabama-Coushatta Indian Reservation, Tex. Donald Staples, Woodville.
Thornless, <i>Gleditsia triacanthos</i> var. <i>inermis</i> (1968) ¹	12'4"	120'	82'	Chambersburg, Pa. John Aughanbaugh.
JOSHUA-TREE				
<i>Yucca brevifolia</i> (1967)	14'11" (at 2')	32'	40'	San Bernardino National Forest, Calif. Ronald J. McCormick, Fawnskin.
JUNIPER				
Ashe, <i>Juniperus ashei</i> (1968)	7'10"	30'	30'	Near Branson, Mo. John E. Wylie and Glenn Durrell, Jefferson City.
Common, <i>Juniperus communis</i> var. <i>communis</i> (1968) ²	11'	14'	7'	Dunes State Park, Ind. Kendall Laughlin, Chicago, Ill.
LARCH				
European, <i>Larix decidua</i> (1968) ³	6'8"	106'	30'	Buckaloons Recreation Area, Allegheny National Forest, Pa. T. J. Grisez, Warren.
European, <i>Larix decidua</i> (1968) ³	8'5"	62'	62'	Near Macon, Mich. Paul W. Thompson, Birmingham.
Subalpine, <i>Larix lyallii</i> (1968)	19'8"	84'	57'	Wenatchee National Forest, Wash. Steve Arno, Missoula, Montana.
LAURELCHEERY				
Carolina, <i>Prunus caroliniana</i> (1968)	3'6"	38'	35'	Georgetown County, S.C. G. L. Tarbox, Murrells Inlet.
MAGNOLIA				
Fraser, <i>Magnolia fraseri</i> (1968)	8'4"	65'	50'	Philadelphia, Pa. John T. McNeill, Philadelphia, and John C. Swartley, Ambler.
Sweetbay, <i>Magnolia virginiana</i> (1963)	9'6"	80'	58'	Near Magnolia, Texas. John Goldman and Rayford Sandel, Conroe.
Umbrella, <i>Magnolia tripetala</i> (1968)	4'9"	50'	41'	Cashiers, N.C. R. E. Schoenike and H. N. Wilson, Clemson, S.C.
MAPLE				
Florida, <i>Acer barbatum</i> (1967)	6'6"	77'	46'	Between Havana and Quincy, Fla. Charles E. Salter, Tallahassee.
Red, <i>Acer rubrum</i> var. <i>rubrum</i> (1968)	16'3"	125'	108'	Armada, Mich. Paul W. Thompson, Birmingham.
Rocky Mountain, <i>Acer glabrum</i> (1968)	3'3"	40'	30'	Daniel R. Brassil, Warren, R.I.
MOUNTAIN-ASH				
Showy, <i>Sorbus decora</i> (1968)	4'6"	58'	26'	Near Gould City, Mich. Wm. J. Mahalak, Naubinway.
OAK				
Blue, <i>Quercus douglasii</i> (1968)	12'8"	60'	81'	Near Glass Valley, Calif. Gordon R. Foster, Smartsville.
Bottom, <i>Quercus Xruncinata</i> (1946) ²	10'6"	88'	76'	Heathwood Park, Kansas City, Kan. Kendall Laughlin, Chicago, Ill.
Caldwell, <i>Quercus Xcolumnaris</i> (1968) ¹	3'3"	77'	59'	Edgebrook Woods, Chicago, Ill. Kendall Laughlin, Chicago, Ill.
Coclut, <i>Quercus Xfontana</i> (coccinea x velutina) (1968) ¹	4'2"	78'	43'	Big Spring State Park, Mo. Kendall Laughlin, Chicago, Ill.
Dwarf chinkapin, <i>Quercus prinoides</i> (1967) ²	4'11"	33'	50'	Swope Park, Kansas City, Mo. Kendall Laughlin, Chicago, Ill.
English, <i>Quercus robur</i> (1968)	14'4" (at 2')	60'	65'	Chestnut Hill, Philadelphia, Pa. John T. McNeill, Philadelphia, and John C. Swartley, Ambler.
Hawkins, <i>Quercus Xhawkinsiae</i> (1967) ²	9'6"	90'	57'	Dunes State Park, Indiana. Kendall Laughlin, Chicago, Ill.



Glenn Durrell poses with Champion Ashe juniper, Missouri. Between 750-1,000 years old
White River Leader photo

Champion Illinois pecan



New Champion Ponderosa pine,
Sierra National Forest, Calif.



Species and Year Reported	Circumference at 4½ feet	Height	Spread	Location of Tree and Nominator
Kansas City, <i>Quercus Xriparia</i> (<i>rubra xshumardii</i> var. <i>schneckii</i> (1968) ¹	8'6"	72	63'	Swope Park, Kansas City, Mo. Kendall Laughlin, Chicago, Ill.
Laurel, <i>Quercus laurifolia</i> (1968)	14'3"	69'	77'	Brookgreen Gardens, S.C. G. L. Tarbox, Jr., Murrells Inlet.
Myrtle, <i>Quercus myrtifolia</i> (1967)	3'7"	21'	36'	Ft. Clinch State Park, Fla. Carol Beck, Tallahassee.
Oglethorpe, <i>Quercus ogle-</i> <i>thorpensis</i> (1968)	9'5"	69'	69'	Near Lexington, Ga. Dr. Samuel B. Jones, Athens.
Overcup, <i>Quercus lyrata</i> (1967)	16'7"	110'	56'	Near Simpson, La. Robert E. Murphy, Pineville; C. C. Wise, Simpson.
Post, <i>Quercus stellata</i> var. <i>stellata</i> (1968)	17'	86'	42'	Near Hartwell, Georgia. Robert M. McMurry and Richard A. Allen, Lavonia.
Sand post, <i>Quercus stellata</i> var. <i>margaretta</i>	5'	41'	51'	Ft. White, Fla. Nelson B. Blocker, Lake City.
Shumard, <i>Quercus shumardii</i> var. <i>shumardii</i> (1966) ²	16'4"	130'	107'	Noxubee National Wildlife Ref- uge, Brooksville, Miss. Burton S. Webster, Brooksville.
Southern red, <i>Quercus falcata</i> (1968)	22'1"	90'	115'	Como, Miss. C. Morris Terry, Indianapolis, Ind.
California white, <i>Quercus</i> <i>lobata</i> (1967)	28'5"	139'	99'	Near Gridley, Calif. Gordon R. Foster, Smartsville, Calif.
St. Louis, <i>Quercus Xtridentata</i> (<i>imbricaria xmarilandica</i>) (1968) ¹	2'8"	48'	26'	Near Swope Park, Kansas City, Mo. Kendall Laughlin, Chicago, Ill.
Oregon white, <i>Quercus gar-</i> <i>ryana</i> (1968)	20'4"	75'	50'	Willamette Valley, Ore. Oliver V. Matthews, Salem.
PECAN				
<i>Carya illinoensis</i> (1968)	19'7"	160'	95'	Near Mer Rouge, La. Jack Yel- dell, Bastrop.
PINCKNEYA				
<i>Pinckneya pubens</i> (1968)	10"	21'	14'	Near Mt. Pleasant, Fla. Paul C. Wills, Tallahassee.
PINE				
Jeffrey, <i>Pinus jeffreyi</i> (1967)	23'7"	175'	87'	Stanislaus National Forest, Calif. Stanley Kurcaba, Sonora.
Limber, <i>Pinus flexilis</i> (1968)	23'6"	54'	54'	Uinta National Forest, Utah. Thomas A. Walker, American Fork.
Loblolly, <i>Pinus taeda</i> (1961) ³	14'1"	155'	72'	Near Urania, La. Glen F. Tanne- hill, Urania.
Monterey, <i>Pinus radiata</i> (1968)	22'	125'	91'	Downing's Forest, Aptos, Calif. Woodbridge Metcalf, Berkeley.
Singleleaf pinyon, <i>Pinus mono-</i> <i>phylla</i> (1968)	8'4" (at 4')	26'	35'	Public land between Inyo and Toiyabe National Forest, Nevada. Lee I. Northcutt, Riverside, Calif.
Pond, <i>Pinus serotina</i> (1968)	7'5"	86'	30'	Near O'Neil, Fla. Stuart H. Davis, Fernandina Beach.
Ponderosa, <i>Pinus ponderosa</i> (1968)	21'6"	223'	66'	Sierra National Forest, Calif. Charles Sikora, Fresno.
Red, <i>Pinus resinosa</i> (1968)	9'9"	112'	64'	Near Watersmeet, Mich. Marsh Leffler, Watersmeet.
Slash, <i>Pinus elliotii</i> (1968)	11'8"	120'	32'	Near Manor, Ga. Fred Husbands, Waycross.
South Florida slash, <i>Pinus</i> <i>elliottii</i> var. <i>densa</i> (1968)	9'	80'	55'	New Port Richey, Fla. Stan Weston, Brooksville.
Spruce, <i>Pinus glabra</i> (1968) ³	12'10"	92'	81'	Tallahassee, Fla. Malcolm B. Johnson and Charles E. Salter Tallahassee.
Table-Mountain, <i>Pinus pun-</i> <i>gens</i> (1968)	5'6"	81'	39'	Penn. State Univ., Mont Alto, Pa. John Aughanbaugh, Cham- bersburg.
Virginia, <i>Pinus virginiana</i> (1968)	7'6"	80'	48'	Hollis, N.C. M. N. Shaw, Jr., Asheville.

Species and Year Reported	Circumference at 4½ feet	Height	Spread	Location of Tree and Nominator
PLANERTREE				
<i>Planera aquatica</i> (1967)	8'4"	77'	47'	Near Chattahoochee, Fla. J. C. Lollie, Bristol, and Charles E. Salter, Tallahassee.
PLUM				
Mexican, <i>Prunus mexicana</i> (1968)	3'9"	24'	36'	Near Woodville, Texas. Jerry Grimes, Woodville.
Wildgoose, <i>Prunus munsoniana</i> (1966) ²	4'	14'	30'	Kansas City, Mo. Kendall Laugh- lin, Chicago, Ill.
POND Cypress				
<i>Taxodium distichum</i> var. <i>nutans</i> (1968)	21'10"	121'	90'	Near Statenville, Ga. Vernon W. Hartley, Jr., Waycross.
PRICKLY-ASH				
Common, <i>Zanthoxylum ameri-</i> <i>canum</i> (1967)	2'4"	45'	22'	Crystal River Historical Mem., Fla. Carol Beck, Crystal River.
Lime, <i>Zanthoxylum fagara</i> (1968)	1'2"	14'	12'	Palma Sola, Fla. Eldredge T. Carnes, Sarasota.
REDBUD				
Eastern, <i>Cercis canadensis</i> (1968)	9'2" (at 2½')	36'	39'	Charleston, Mo. John E. Wylie, Jefferson City
REDWOOD				
<i>Sequoia sempervirens</i> (1966) ²	50'6"	355'	80'	"The Dyerville Giant," Founder's Grove, Humboldt Redwoods State Park, Calif. Paul J. Zinke, Berke- ley.
<i>Sequoia sempervirens</i> (1963)	44'	368'		Redwood Creek, Redwood Na- tional Park, Calif. Paul Z. Zahl, Washington, D. C.
SASSAFRAS				
<i>Sassafras albidum</i> (1954) ²	17'3"	100'	68'	Owensboro, Ky. Mrs. O. W. Rash, Owensboro.
SAW-PALMETTO				
<i>Serenoa repens</i> (1967)	1'7"	20'	8'	Near Bradenton, Fla. Eldredge T. Carnes, Sarasota.
SERVICEBERRY				
Roundleaf, <i>Amelanchier san-</i> <i>guinea</i> (1968)	1'2"	37'	18'	Near Ft. Wilkins, Mich. Paul W. Thompson, Birmingham.
SILKTREE				
<i>Albizia julibrissin</i> (1968)	5'3" (at 2'8")	35'	56'	Navy Point, Pensacola, Fla. Mrs. E. O. Sanders, Pensacola.
SILVERBELL				
Carolina, <i>Halesia carolina</i> var. <i>carolina</i> (1968)	11'1" (at 18")	50'	52'	Wyndmoor, Pa. John C. Swartley, Ambler.
SPARKLEBERRY				
Tree, <i>Vaccinium arboreum</i> (1967)	2'	28'	24'	North of Tallahassee, Fla. Fred O. Conrad, Tallahassee.
SPRUCE				
Engelmann, <i>Picea engelmannii</i> (1967)	22'	179'	35'	Olympic National Park, Wash. Rodney D. Royce, Washington, D. C.
White, <i>Picea glauca</i> (1968)	10'9"	101'	34'	Luce Co., Mich. L. Rubick, New- berry.
SUMAC				
Shining, <i>Rhus copallina</i> var. <i>latifolia</i> (1968) ¹	1'3"	22'	26'	Northville, Mich. Harold J. Nett, Detroit.
Shining, <i>Rhus copallina</i> var. <i>copallina</i> (1967)	1'5"	44'	19'	Near Chattahoochee, Fla. Mal- comb B. Johnson, Tallahassee.
TAMARACK				
<i>Larix laricina</i> (1966)	9'8"	95'	50'	Jay, Maine. Fred Huntress, Jr. Mechanic Falls.
TESOTA				
<i>Olneya tesota</i> (1968)	13'8" (at 16")	42'	54'	Gila Bend Auxiliary Air Force Gunnery Range, Ariz. William E. Elms, Gila Bend.



Large sycamore, Cape
Girardeau County, Mo.

Southeast Missourian photo

New historical marker for
Champ sassafras, Kentucky
Messenger Inquirer photo



Species and Year Reported	Circumference at 4½ feet	Height	Spread	Location of Tree and Nominator
TRIFOLIATE-ORANGE				
Poncirus trifoliata (1968)	1'7" (at 1')	26'	24'	Harrisburg, Pa. Albert B. Mickalitis, Harrisburg.
TUPELO				
Black (Blackgum), Nyssa sylvatica var. sylvatica (1965) ²	16'1"	130'	65'	Noxubee National Wildlife Refuge, Brooksville, Miss. Burton S. Webster, James C. Craig, and Charles Goudelock, Brooksville.
Swamp, Nyssa sylvatica var. biflora (1968)	7'	86'	38'	Brookgreen Gardens, Murrells Inlet, S.C. W. J. Barker, Clemson, and G. L. Tarbox, Jr., Murrells Inlet.
Water, Nyssa aquatica (1968)	13'10"	70'	48'	Alabama-Coushatta Indian Village near Livingston, Texas. Hollis Battise, Livingston and Rufus Hickman, Leggett.
WAHOO				
Eastern, Euonymus atropurpureus (1968)	1'	13'	18'	Manhattan, Kan. Mrs. Harold H. Munger.
WHITE-MANGROVE				
Laguncularia racemosa (1968)	2'8"	20'	18'	Palma Sola, Fla. Eldredge T. Carnes, Sarasota.
WILLOW				
Meadow, Salix petiolaris (1967) ²	1'3"	31'	14'	Dunes State Park, Ind. Kendall Laughlin, Chicago, Ill.
Peachleaf, Salix amygdaloides (1968)	10'6"	55'	78'	Kasota Lake north shore, Minn. William O. Reid, Willmar.
Pussy, Salix discolor (1965) ²	4'2"	32'	31'	Checupinqua Woods, Chicago, Ill. Kendall Laughlin, Chicago.
Sandbar, Salix interior (1968)	1'5"	32'	12'	Near Utica, Mich. Paul W. Thompson, Birmingham.
Scouler, Salix scouleriana (1967)	4'10"	50'	26'	Near Carlton, Ore. Maynard C. Dawson, Salem.
WINTERBERRY				
Common, Ilex verticillata (1967)	1'6"	26'	16'	Near Chattahoochee, Fla. Malcolm B. Johnson, Tallahassee.
TREE-LIKE SHRUBS				
Bigberry manzanita, Arctostaphylos glauca.	7'6" (at 21")	21'	28'	Cleveland Nat. For., Cal. Charles M. Fitch, Santa Ana.
Dogwood				
Roundleaf, Cornus rugosa.	10"	32'	12'	Michigan. Paul W. Thompson, Birmingham.
Cornus racemosa.	1'2"	22'	15'	Michigan. Paul W. Thompson, Birmingham.
Viburnum trilobum.	10"	26'	15'	Michigan. Paul W. Thompson, Birmingham.

DECEASED CHAMPIONS

Aspen, Quaking, Populus tremuloides	Santa Fe National Forest, New Mexico
Fringetree, Chionanthus virginicus	Washington, D.C.
Hickory, Bitternut, Carya cordiformis	Near Eutawville, S.C.
Magnolia, Sweetbay, Magnolia virginiana	Gainesville, Fla.
Oak, Oregon white, Quercus garryana	Mendocino National Forest, Calif.
Oak, Post, Quercus stellata	Madison County, Texas
Pecan, Carya illinoensis	Assumption Parish, Louisiana
Persimmon, Common, Diospyros virginiana	Near Johnson, Indiana
Pine, Virginia, Pinus virginiana	Bay Ridge, Maryland
Wahoo, Eastern, Euonymus atropurpureus	Manhattan, Kansas

HAWAII FIRST

By Lorna C. Littlecott

ARMED with a machete to clear his path, camera to record his discoveries, and "campaign" hat to shade his eyes, L.W. "Bill" Bryan set out on his trusty mule one year ago to find the really "Big Ones" in the forests of Hawaii. He succeeded, and today, the State of Hawaii claims 201 Champion Big Trees! Unlike Champions in other states, the Champions of Hawaii include native species and introduced species that have not become naturalized.

This monumental contribution to science began following AFA's 1967 post-convention tour to Hawaii when Chief Forester Kenneth B. Pomeroy visited the Bishop Estate where Colonel Bryan is the Consulting Forester. The search was launched, and with the aid of a few friends,* Colonel Bryan started a list to "be added to as time goes on and . . . be topped by new Champions in the future." That's quite an order. We commend Colonel Bryan for a task unsurpassed by anyone.

Who is Colonel Bryan and how and why did he become interested in Hawaii's Big Trees?

Bryan's long and distinguished career began in 1921 when he arrived in Hawaii with \$90 in his pocket and a bed roll under his arm. He had received his education at Massachusetts College of Agriculture, spent over a year in France during World War I, and then followed the old advice of Horace Greeley and went west. After a year in California, he continued west to Hawaii—a seven-day voyage with a deck load of cattle. Having no acquaintances in this strange land, he accepted the first job offered,

erecting prefabricated houses at Waikiki.

Soon he became associated with Dr. H. L. Lyon at the Hawaiian Sugar Planters Association Experiment Station learning names of various plants being propagated and assisting with routine work. At first only one plant looked familiar, but after three weeks he successfully completed his trial period and was sent to take charge of the H. S. P. A. Hilo Forest Reserve. Surveying, mapping, fencing, and finally a program of reforestation began. His work as Forest Supervisor soon was expanded to cover the entire Island of Hawaii and parts of Maui and Kahoolawe. In addition, he was employed in 1922 as Forestry Officer for the Territory of Hawaii and continued both jobs until the H. S. P. A. closed their forestry operations in 1949. But he continued as Territorial and State Forester until his retirement in 1961.

Bryan has always loved to hike and has covered many, many miles of the Islands on foot. He recalls one afternoon in 1921 when he climbed Mt. Olympus, hiked along the ridge, and then slid down the windward side. A most reckless venture and not recommended for a holiday outing.

The outbreak of World War II again brought Bryan to active duty to his country, and he served in various assignments in the Pacific Theater. At the end of the War he was Commanding Officer of Christmas Island and found it possible to visit many adjacent islands in order to observe forests and collect seed. After the War he was separated from the Army but helped reorganize the Hawaiian National Guard and later

became Chief of Staff until 1953. He was retired for age as a Colonel in 1955. A new National Guard armory was named for him in 1965; in 1967 the State House of Representatives passed a resolution commending him for a long and distinguished career in the service of his State and Country; the County of Hawaii presented him with a Certificate of Merit for distinguished service to the community; and the Hawaii Visitors Bureau recognized his support in the development of the Hawaii Tourist Industry.

Bryan's profession is forestry, but in the Islands botany and forestry go hand in hand because so many species of plants are used in reforestation programs. During his four decades in Hawaii, Bryan has played a principal role in establishing many new species of flora and in preventing the extinction of some native species of plants. He has made trips to the Far East and to the U.S. mainland to observe forests and collect fertile seeds that have proved valuable to Hawaii. Resulting from his travels, many new varieties of citrus and other fruit trees have been introduced and many orchards established. He developed a deep interest in orchids during one of his trips, and they have been a hobby of his for more than 30 years.

As a forester Colonel Bryan's accomplishments are outstanding. He is author of numerous bulletins, magazine articles, and two books; chaired the Standing Committee on Forestry Resources of the Pacific; presented papers at the 5th and 6th World Forestry Congresses and at the 10th and 11th Pacific

Science Congresses. He has been associated with many of the best known professional foresters even though a close relationship has been difficult due to Hawaii's former somewhat isolated location. Attesting to his service in forestry, The Society of American Foresters presented him with a certificate of appreciation in 1968.

Hawaii has changed considerably since Bryan arrived 48 years ago. Over 10 million trees have been planted; several nurseries built; fruit orchards containing 500 different varieties of trees

have been tested; arboreta established with over 1,000 different species of plants given trial; weather stations installed; parks established; fences, roads, trails, telephone lines built; CCC and other relief programs carried on; and wild animals, principally goats, eradicated (over 134,000 destroyed during the first 25 years). Trees planted during the early years are now being harvested and manufactured into useful products.

The biggest of all tree species, the redwood *Sequoia gigantea*, was intro-

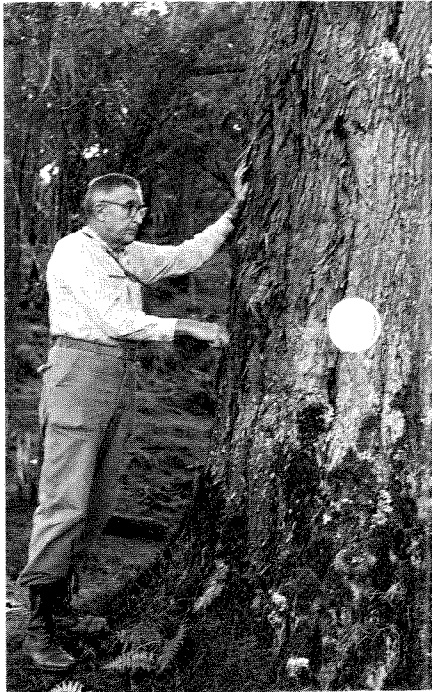
duced successfully, and is doing well on the slopes of Mauna Kea.

The geographic location of Hawaii makes its native and naturalized trees distinctive from the other 49 States. For this reason, AFA decided to keep the Hawaiian list separate from the original Social Register. So Hawaii has its very own Social Register.

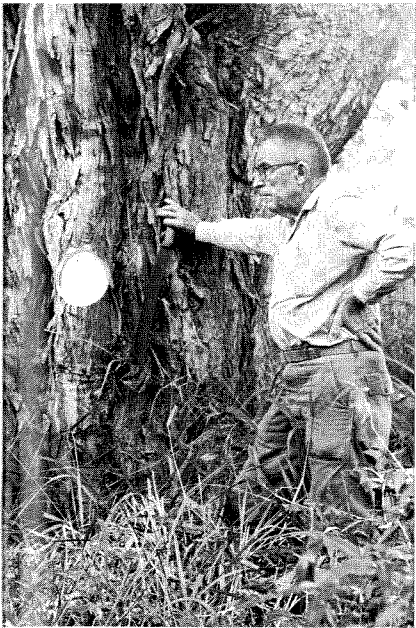
Here it is.*

*Trees listed alphabetically by standardized scientific names, followed by local common names.

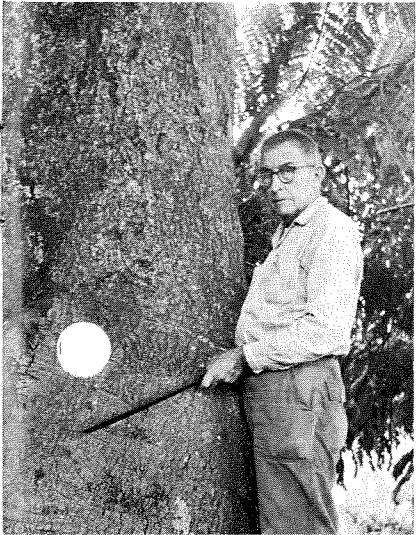
NATIVE SPECIES	Circumference at 4½ feet	Height	Spread	Location, City and Island
Acacia koa koa	27'5" (at 10')	98'	105'	Keauhou Kau, Hawaii.
Aleurites moluccana kukui (candlenut)	10'7"	67'	59'	Kapapala, Pahala, Hawaii.
Alphitonia ponderosa kauila (o'a)	7'	62'	54'	Kokee State Park, Kauai.
Antidesma platyphyllum hame	6'8"	52'	23'	Kaupulehu, Kailua-Kona, Hawaii.
Canthium odoratum alahe'e	3'8"	39'	18'	Puuwaawaa, Kailua-Kona, Hawaii.
Cheirodendron gaudichaudii olapa	4'6"	37'	28'	Hawaii Volcanoes National Park, Hawaii.
Cibotium menziesii hap'u-i'i (Hawaiian treefern)	15'10"	35'	24'	Honaunau Forest Reserve, Kailua-Kona, Hawaii.
Colubrina oppositifolia kauila	8'6"	47'	44'	Puuwaawaa, Kailua-Kona, Hawaii.
Coprosma montana mountain pilo	3'8"	35'	29'	Mauna Kea Forest Reserve, Hualaie, Hawaii.
Coprosma rhynchocarpa pilo	3'4"	25'	16'	Hawaii Volcanoes National Park, Hawaii.
Dracaena aurea hala-pepe	3'6"	20'	14'	Kaupulehu, Kailua-Kona, Hawaii.
Erythrina sandwicensis wiliwili	12'6"	55'	57'	Puuwaawaa Ranch, Kailua-Kona, Hawaii.
Gardenia remyi nanu	3'6"	36'	25'	Panaewa Forest Reserve, Hilo, Hawaii.
Gouldia terminalis manono	3'	20'	12'	Hawaii Volcanoes National Park, Hawaii.
Hibiscadelphus giffardianus hau-kuahiwi	1'3"	39'	17'	Hawaii Volcanoes National Park, Hawaii.
Kokia drynarioides kokio	5'4"	27'	23'	Puuwaawaa, Kailua-Kona, Hawaii.
Metrosideros collina 'ohi'a-lehua	17'10"	84'	78'	Waipunaiei, Hilo, Hawaii.
Mezounerum kauaiense uhiuhi	3'6"	26'	31'	Puuwaawaa, Kailua-Kona, Hawaii.
Myoporum sandwicense naio	17'2"	70'	56'	Keauhou, North Kona, Hawaii.
Myrsine lessertiana kolea	6'9"	67'	25'	Hawaii Volcanoes National Park, Hawaii.
Nothocestrum breviflorum 'aiea	3'4"	31'	21'	Puuwaawaa, Kailua-Kona, Hawaii.
Osmanthus sandwicensis olopua	10'2"	54'	31'	Hoomau Ranch, Honomolokai, Hawaii.
Pandanus tectorius hala	4'6"	35'	40'	Keauhou, Hilo, Hawaii.
Pelea volcanica alani	2'11"	40'	36'	Hawaii Volcanoes National Park, Hawaii.
Pipturus albidus mamaki	2'9"	28'	33'	Hawaii Volcanoes National Park, Hawaii.



Myoporum sandwicense, a tree native to Hawaii, known locally as naio



Jacaranda mimosifolia



Albizia lebbekoides, an import from Indonesia

NATIVE SPECIES	Circumference at 4½ feet	Height	Spread	Location, City and Island
Pisonia inermis papala-kepau	6'3"	50'	31'	Hoomau Ranch, Honomolokai, Hawaii.
Pouteria sandwicensis 'ala'a	5'3"	38'	29'	Puuwaawaa, Kailua-Kona, Hawaii.
Pritchardia affinis beach loulou	3'8"	42'	13'	Keauhou, Hilo, Hawaii.
Pritchardia beccariana loulou	4'6"	55'	19'	Waiakea Forest Reserve, Hilo, Hawaii.
Pseudomorus sandwicensis a'ia'a	4'	38'	20'	Kaupulehu, Kailua-Kona, Hawaii.
Reynoldsia sandwicensis ohe-makai	6'8"	48'	23'	Puuwaawaa, Kailua-Kona, Hawaii.
Santalum pilgeri 'ili'i-ahi (sandalwood)	7'8"	65'	48'	Honomolokai, S. Kona, Hawaii.
Sapindus saponaria wingleaf soapberry	10'1"	106'	84'	Hawaii Volcanoes National Park, Hawaii.
Sophora chrysophylla mamani	12'2"	39'	42'	Mauna Kea Forest Reserve, Hualaie, Hawaii.
Straussia hawaiiensis kopiko	4'9"	45'	30'	Hoomau Ranch, Honomolokai, Hawaii.
Tetraplasandra hawaiiensis 'ohe'ohe	14'2"	67'	69'	Hoomau Ranch, Honomolokai, Hawaii.
Tetraplasandra kauaiensis var. dippyrena ohe'ohe	7'6"	40'	26'	Kawaihae, Waimea, Hawaii.
Thespesia populnea Milo	9'	42'	69'	Kekaha, Kauai.
Xanthoxylum dipetalum var. gemicarpum a'e	5'6"	71'	35'	Hawaii Volcanoes National Park, Hawaii.
Xylosma hillebrandii maua	5'1"	58'	43'	Hoomau Ranch, Honomolokai, Hawaii.

EXOTIC SPECIES	Circumference	Height	Spread	Location, City and Island
Acacia confusa Formosa koa	5'11"	65'	88'	Kohala Forest Reserve, Muliwai, Hawaii.
Acacia melanoxylon blackwood acacia	8'2"	78'	57'	Kokee State Park, Kauai.
Adansonia digitata baobab	17'6"	48'	72'	Queen Emma Hospital, Honolulu, Oahu.
Adenanthura pavonina red sandalwood	5'11"	60'	38'	Hilo, Hawaii.
Agathis robusta Australian kauri	13'8"	105'	88'	Foster Gardens, Honolulu, Oahu.
Albizia falcata Molucca albizzia	29'9"	110'	167'	Hilo, Hawaii.
Albizia lebbek lebbek	21'5"	65'	95'	Lahaina, Maui.
Albizia lebbekoides Indonesian albizzia	13'6"	91'	88'	Kealahou, S. Kona, Hawaii.
Albizia montana mountain albizzia	17'	65'	108'	Akaka Falls State Park, Hilo, Hawaii.
Alnus nepalensis Nepal alder	11'4"	75'	38'	Pepeekeo Arboretum, Hilo, Hawaii.
Angophora lanceolata lanceleaf gum-myrtle	9'7"	132'	54'	Honaunau Forest Reserve, Kailua-Kona, Hawaii.
Araucaria bidwillii bunya-bunya	16'1"	101'	42'	Kukuihaele, Hamakua, Hawaii.
Araucaria columnaris columnar araucaria	10'2"	109'	40'	Kukuihaele, Hamakua, Hawaii.
Araucaria cunninghamii hoop-pine	7'7"	101'	28'	Foster Gardens, Honolulu, Oahu.
Araucaria heterophylla Norfolk-Island pine	16'6"	140'	75'	Lanai City, Lanai.
Archontophoenix alexandrae Alexander kingpalm	4'2"	102'	17'	Reed's Island, Hilo, Hawaii.

EXOTIC SPECIES	Circumference	Height	Spread	Location, City and Island
<i>Arecastrum romanzoffianum</i> Queenpalm	3'10"	52'	32'	Reed's Island, Hilo, Hawaii.
<i>Arenga pinnata</i> (saccharifera) sugarpalm	5'2"	43'	21'	State Forestry Arboretum, Hilo, Hawaii.
<i>Artocarpus altilis</i> 'ulu (breadfruit)	10'4"	54'	59'	Hilo Hotel, Hilo, Hawaii.
<i>Artocarpus heterophyllus</i> jackfruit	12'2"	53'	72'	Kukuihaele, Hamakua, Hawaii.
<i>Barringtonia asiatica</i> barringtonia	17'6"	70'	80'	Naniloa Hotel, Hilo, Hawaii.
<i>Bombax malabaricum</i> simal	17'6"	75'	112'	Queen Emma Hospital, Honolulu, Oahu.
<i>Brassaia actinophylla</i> octopus-tree	17'4"	50'	58'	State Forestry Arboretum, Hilo, Hawaii.
<i>Bumelia buxifolia</i> ironwood	10'9"	51'	62'	Foster Gardens, Honolulu, Oahu.
<i>Calophyllum inophyllum</i> kamani	18'6"	59'	81'	Malama-ki Forest Reserve, Puna, Hawaii.
<i>Canarium commune</i> pili-nut (Java-almond)	7'7"	83'	61'	Foster Gardens, Honolulu, Oahu.
<i>Canarium ovatum</i> pili-nut	14'1"	83'	61'	Kalakaua Park, Hilo, Hawaii.
<i>Carica papaya</i> papaya	4'10"	60'	12'	Alii Drive, Kailua-Kona, Hawaii.
<i>Caryota urens</i> wine-palm	4'4"	60'	36'	Oahu Island Botanical Garden, Wahiawa, Oahu.
<i>Cassia grandis</i> pinkshower	10'11"	56'	40'	Reed's Island, Hilo, Hawaii.
<i>Castanospermum australe</i> Moreton-bay-chestnut	12'7"	86'	66'	Kakaihaele, Hamakua, Hawaii.
<i>Casuarina cunninghamiana</i> river-oak ironwood	6'9"	80'	42'	Kohala Forest Reserve, Aamakao, Hawaii.
<i>Casuarina equisetifolia</i> horsetail casuarina	17'3"	89'	56'	Olowalo, Maui.
<i>Casuarina glauca</i> longleaf ironwood	10'5"	65'	37'	Waikoeke, Waimea Village, Hawaii.
<i>Casuarina montana</i> mountain ironwood	6'3"	70'	38'	Kohala Forest Reserve, Aamakao, Hawaii.
<i>Casuarina torulosa</i> corkbark ironwood	17'11"	55'	57'	Kahua, Hawi, Hawaii.
<i>Catalpa longissima</i> Haiti catalpa	8'3"	75'	43'	Foster Gardens, Honolulu, Oahu.
<i>Cavanillesia platanifolia</i> quipo	14'5"	60'	48'	Foster Gardens, Honolulu, Oahu.
<i>Cecropia peltata</i> trumpet-tree	9'	70'	72'	Paradise Park, Honolulu, Oahu.
<i>Cedrela odorata</i> Spanish-cedar	13'4"	124'	67'	Kohala Forest Reserve, Muliwai, Hawaii.
<i>Ceiba pentandra</i> kapok	24'5"	122'	160'	Halawa, N. Kohala, Hawaii.
<i>Chrysophyllum cainito</i> star-apple	5'9"	48'	39'	State Forestry Arboretum, Hilo, Hawaii.
<i>Cinnamomum camphora</i> camphor-tree	22'8"	83'	100'	Ulupalakua, Maui.
<i>Cinnamomum zeylanicum</i> cinnamon	7'5"	79'	65'	Iole, Hawi, Hawaii.
<i>Citrus sinensis</i> sweet orange	6'2"	41'	38'	Kainaliu, Kailua-Kona, Hawaii.
<i>Clusia rosea</i> Scotch attorney	3'8"	52'	48'	Kailua, N. Kona, Hawaii.
<i>Cochlospermum vitifolium</i> buttercup-tree	10'6"	48'	64'	Kainaliu, N. Kona, Hawaii.
<i>Cocos nucifera</i> coconut	4'8"	94'	28'	State Forestry Arboretum, Hilo, Hawaii.
<i>Coelococcus carolinensis</i> ivorynut-palm	5'5"	71'	22'	State Forestry Arboretum, Hilo, Hawaii.
<i>Cordyline australis</i> cabbage-tree	5'2"	25'	15'	Kukaiau Ranch, Honokaa, Hawaii.
<i>Couroupita guianensis</i> cannonball-tree	9'6"	67'	61'	Foster Gardens, Honolulu, Oahu.
<i>Cryptomeria japonica</i> sugi (cryptomeria)	8'9"	105'	18'	Hoomau Ranch, Honomolino, Hawaii.

EXOTIC SPECIES	Circumference	Height	Spread	Location, City and Island
<i>Cunninghamia lanceolata</i> China-fir	6'5"	102'	39'	Ahaka Falls State Park, Hilo, Hawaii.
<i>Cupressus lusitanica</i> Mexican cypress	3'4"	45'	32'	Honaunau Forest Reserve, Kailua-Kona, Hawaii.
<i>Cupressus macrocarpa</i> Monterey cypress	27'7"	85'	81'	Waikoeke, Waimea Village, Hawaii.
<i>Cupressus sempervirens</i> Italian cypress	8'5"	82'	20'	Ulupalakua Ranch, Ulupalakua, Maui.
<i>Cydistax donnell-smithii</i> primavera (Tabebuia)	10'11"	87'	79'	State Forestry Arboretum, Hilo, Hawaii.
<i>Cycas circinalis</i> cycad	9'2"	37'	31'	Maunaolu School, Paia, Maui.
<i>Delonix regia</i> royal poinciana	13'6"	48'	62'	Maunawili Ranch, Kailua, Oahu.
<i>Diospyros ferrea</i> lama	2'9"	35'	17'	Puuwaawaa Ranch, Kailua-Kona, Hawaii.
<i>Dracaena draco</i> dragon-tree	3'9"	20'	8'	Forbes Estate, Waimea, Hawaii.
<i>Dracaena marginata</i> Madagascar dracaena	4'9"	20'	36'	Kainaliu, N. Kona, Hawaii.
<i>Drypetes phyllanthoides</i> meameame	16'7"	67'	46'	Hoomau Ranch, Honomolino, Hawaii.
<i>Elaeis guineensis</i> African oilpalm	4'8"	62'	29'	Reed's Island, Hilo, Hawaii.
<i>Elaeocarpus serratus</i> Ceylon-olive	8'7"	61'	49'	Wainuenue Ave., Roman Catholic Church, Hilo, Hawaii.
<i>Enterolobium cyclocarpum</i> earpod-tree	26'6"	110'	115'	Foster Gardens, Honolulu, Oahu.
<i>Eucalyptus paniculata</i> brown stringybark	8'1"	118'	46'	Hilo Forest Reserve, Humuula, Hawaii.
<i>Eucalyptus bosistoana</i> coast graybox eucalyptus	15'4"	130'	89'	Kukuihaele, Hamakua, Hawaii.
<i>Eucalyptus calophylla</i> Fort Gregory eucalyptus	11'1"	114'	59'	Kukuihaele, Hamakua, Hawaii.
<i>Eucalyptus citriodora</i> lemon-gum eucalyptus	16'	98'	90'	Kaumana Drive, Hilo, Hawaii.
<i>Eucalyptus deanei</i> Deane eucalyptus	9'1"	121'	57'	Honaunau Forest Reserve, Kailua-Kona, Hawaii.
<i>Eucalyptus deglupta</i> bagras eucalyptus	6'6"	86'	42'	Oahu Island Botanical Garden, Wahiawa, Oahu.
<i>Eucalyptus fraxinoides</i> white-ash eucalyptus	13'7"	114'	38'	Hilo Forest Reserve, Humuula, Hawaii.
<i>Eucalyptus globulus</i> blue-gum eucalyptus	26'8"	90'	96'	Kukaiau Ranch, Honokaa, Hawaii.
<i>Eucalyptus gonicalyx</i> mountain graygum eucalyptus	12'	126'	76'	Haleakala Ranch, Makawao, Maui.
<i>Eucalyptus gummifera</i> bloodwood eucalyptus	13'4"	110'	50'	Hilo Forest Reserve, Humuula, Hawaii.
<i>Eucalyptus maidenii</i> Maiden-gum eucalyptus	8'7"	116'	39'	Hilo Forest Reserve, Humuula, Hawaii.
<i>Eucalyptus microcorys</i> tallowwood eucalyptus	9'6"	145'	65'	Honaunau Forest Reserve, Kailua-Kona, Hawaii.
<i>Eucalyptus paniculata</i> gray ironbark eucalyptus	13'2"	107'	111'	Ulupalakua Ranch, Ulupalakua, Maui.
<i>Eucalyptus resinifera</i> kinogum eucalyptus	8'	117'	49'	Honaunau Forest Reserve, Kailua-Kona, Hawaii.
<i>Eucalyptus robusta</i> robusta eucalyptus	16'7"	97'	72'	Kaupakuae, Hilo, Hawaii.
<i>Eucalyptus saligna</i> saligna eucalyptus	12'11"	203'	70'	Greenwell Estate, Kailua-Kona, Hawaii.
<i>Eucalyptus sideroxylon</i> red-ironbark eucalyptus	7'11"	83'	51'	Haleakala Ranch, Mokawao, Maui.
<i>Eucalyptus tereticornis</i> forest redgum eucalyptus	6'8"	104'	49'	Honaunau Forest Reserve, Kailua-Kona, Hawaii.
<i>Eucalyptus viminalis</i> mana eucalyptus	8'7"	107'	48'	Honaunau Forest Reserve, Kailua-Kona, Hawaii.
<i>Eugenia cumini</i> Java-plum	9'11"	91'	54'	Ruddy Tong, Kapaa, Kauai.
<i>Eugenia curranii</i> Curran-plum	3'6"	70'	30'	Kohala Forest Reserve, Muliwai, Hawaii.

EXOTIC SPECIES	Circumference	Height	Spread	Location, City and Island
<i>Eugenia malaccensis</i> 'ohi' a-ai	4'9"	35'	20'	Kaelakehe, Kailua-Kona, Hawaii.
<i>Eugenia similis</i> arang	9'9"	79'	64'	State Forestry Arboretum, Hilo, Hawaii.
<i>Euphorbia antiquorum</i> Malayan spurge-tree	2'6"	13'	25'	Alii Drive, Kailua-Kona, Hawaii.
<i>Euphorbia tirucalli</i> pencil-tree	5'5"	37'	30'	Maunalou School, Paia, Maui.
<i>Euphorbia longan</i> longan	5'11"	45'	61'	Kainaliu, Kailua-Kona, Hawaii.
<i>Ficus benghalensis</i> (A) Indian banyan	44'2"	80'	231'	Court House, Lahaina, Maui.
<i>Ficus elastica</i> (A) India-rubber fig	17'6"	117'	162'	Hilo Hotel, Ltd., Hilo, Hawaii.
<i>Ficus religiosa</i> (A) botree	39'11"	74'	145'	Moanalua Park, Honolulu, Oahu.
<i>Ficus retusa</i> Chinese banyan	90'1"	104'	195'	Keaau Village, Puna, Hawaii.
<i>Ficus rubiginosa</i> Port Jackson fig	23'4"	65'	82'	Akaka Falls State Park, Hilo, Hawaii.
<i>Fraxinus uhdei</i> tropical ash	11'8"	92'	95'	Kohala Forest Reserve, Muliwai, Hawaii.
<i>Garcinia mangostana</i> mangosteen	2'8"	30'	17'	State Forestry Arboretum, Hilo, Hawaii.
<i>Grevillea robusta</i> silk-oak	10'7"	90'	47'	State Forestry Arboretum, Hilo, Hawaii.
<i>Guazuma tomentosa</i> guacima	8'2"	55'	64'	South King St., Honolulu, Oahu.
<i>Hibiscus elatus</i> Cuban bast	8'5"	82'	61'	Lihue Sugar Co., Lihue, Kauai.
<i>Hura crepitans</i> sandbox	12'2"	62'	64'	Moanalua Park, Honolulu, Oahu.
<i>Hyphaene thebaica</i> doupalm	4'8"	58'	41'	Foster Gardens, Honolulu, Oahu.
<i>Ilex anomala</i> kawa'u	3'11"	45'	32'	Honaunau Forest Reserve, Kailua-Kona, Hawaii.
<i>Inga edulis</i> inga	12'10"	90'	80'	Kainaliu, North Kona, Hawaii.
<i>Jacaranda mimosifolia</i> jacaranda	15'7"	76'	93'	Kealakekua, S. Kona, Hawaii.
<i>Juniperus bermudiana</i> Bermuda juniper	6'11"	72'	56'	Kainaliu, North Kona, Hawaii.
<i>Khaya nyasica</i> Kyassa khaya	12'6"	111'	78'	Keaau, Hilo, Hawaii.
<i>Lagerstroemia speciosa</i> queen-flower	8'4"	62'	54'	Foster Gardens, Honolulu, Oahu.
<i>Lecythis zabucajo</i> sapucaia-nut tree	7'11"	70'	81'	State Forestry Arboretum, Hilo, Hawaii.
<i>Litchia chinensis</i> litchee	10'8"	61'	53'	Kapiolani St., Hilo, Hawaii.
<i>Livistona chinensis</i> Chinese fanpalm	3'8"	42'	26'	Reed's Island, Hilo, Hawaii.
<i>Livistona rotundifolia</i> sadang	3'9"	92'	18'	Waianuenue Ave., Hilo, Hawaii.
<i>Lonchocarpus domingensis</i> guama	10'8"	88'	75'	Foster Gardens, Honolulu, Oahu.
<i>Macadamia tetraphylla</i> macadamia-nut	2'9"	50'	36'	Kainaliu, Kailua-Kona, Hawaii.
<i>Macaranga grandifolia</i> macaranga	4'4"	80'	40'	Kohala Forest Reserve, Muliwai, Hawaii.
<i>Mammea americana</i> mammee-apple	7'10"	59'	54'	South King St., Honolulu, Oahu.
<i>Mangifera indica</i> mango	24'8"	71'	70'	Rainbow Falls State Park, Hilo, Hawaii.
<i>Manihot glaziovii</i> Ceara rubber-tree	5'8"	25'	36'	Kealakehe, Kailua-Kona, Hawaii.
<i>Manilkara zapota</i> chicle	8'4"	61'	42'	Foster Gardens, Honolulu, Oahu.

(A) Does not produce fertile seeds in Hawaii.

EXOTIC SPECIES	Circumference	Height	Spread	Location, City and Island
<i>Melaleuca leucadendron</i> cajeput-tree	10'2"	75'	66'	State Forestry Arboretum, Hilo, Hawaii.
<i>Melia azedarach</i> chinaberry	18'6"	75'	96'	Kaohe, South Kona, Hawaii.
<i>Messerschmidia argentea</i> tree heliotrope	9'7"	32'	46'	Puako Kawaihae, Hawaii.
<i>Michelia champaca</i> mulang	4'11"	48'	40'	Reed's Island, Hilo, Hawaii.
<i>Mimusops elengi</i> pogada	6'3"	58'	45'	Foster Gardens, Honolulu, Oahu.
<i>Orbignya cohune</i> cohune palm	5'9"	65'	31'	Keaau, Hilo, Hawaii.
<i>Parkia biglandulosa</i> nitta-tree	10'2"	85'	64'	Keaau, Hilo, Hawaii.
<i>Parkia javanica</i> amarang	9'11"	90'	56'	Keaau, Hilo, Hawaii.
<i>Peltophorum inerme</i> yellow-poinciana	11'5"	63'	74'	Queen Emma Hospital, Honolulu, Oahu.
<i>Persea americana</i> avocado	13'9"	65'	40'	Hawaiian Agricultural Co., Pahala, Hawaii.
<i>Pinus patula</i> jelecote pine	6'5"	108'	27'	Kula Forest Reserve, Maui.
<i>Pinus pinaster</i> maritime pine	9'11"	90'	54'	Waihou Springs Forest Reserve, Olinda, Maui.
<i>Pithecellobium dulce</i> opiuma	24'11"	66'	107'	Napoopoo, Hawaii.
<i>Pithecellobium saman</i> monkeypod	30'9"	104'	140'	Kohala Forest Reserve, Muliwai, Hawaii.
<i>Plumeria rubra</i> frangipani	4'10"	35'	38'	State Forestry Arboretum, Hilo, Hawaii.
<i>Podocarpus javanicus</i> Java podocarpus	10'4"	77'	49'	State Forestry Arboretum, Hilo, Hawaii.
<i>Prosopis pallida</i> kiawe	13'5"	91'	81'	Puako, Kawaihe, Hawaii.
<i>Pterocarpus indicus</i> narra	8'6"	69'	42'	Keaau, Hilo, Hawaii.
<i>Rhizophora mangle</i> red mangrove	3'8"	61'	23'	Kohana-iki, Kailua-Kona, Hawaii.
<i>Roystonea oleracea</i> cabbage-palm	6'9"	105'	30'	Foster Gardens, Honolulu, Oahu.
<i>Roystonea regia</i> royalpalm	7'	70'	30'	William Rickard Estate, Honoakea, Hawaii.
<i>Sandoricum koetjape</i> santol	3'8"	35'	37'	Kohala Forest Reserve, Muliwai, Hawaii.
<i>Schinus molle</i> peppertree	12'5"	48'	74'	Puuwaawaa, Kailua-Kona, Hawaii.
<i>Schinus terebinthifolius</i> Christmas-berry	12'6"	39'	46'	Waimea Village, S. Kohala, Hawaii.
<i>Schizolobium parahybum</i> guapuruvu	5'2"	98'	42'	Akaka Falls State Park, Hilo, Hawaii.
<i>Spathodea campanulata</i> African tuliptree	15'6"	83'	56'	Kainaliu, North Kona, Hawaii.
<i>Spondas dulcis</i> wi-tree	15'3"	75'	62'	Ululani Street, Hilo, Hawaii.
<i>Spondias mombin</i> hogplum	9'7"	82'	73'	Foster Gardens, Honolulu, Oahu.
<i>Sterculia urens</i> nawa	15'4"	96'	114'	Queen Emma Hospital, Honolulu, Oahu.
<i>Syncarpia glomulifera</i> turpentine-tree	14'6"	75'	38'	Iole, Hawi, Hawaii.
<i>Tamarindus indicus</i> tamarind	21'8"	62'	47'	Pioneer Mill Co., Lahaina, Maui.
<i>Tamarix aphylla</i> tamarisk	7'9"	48'	45'	Village of Honuapo, Hawaii.
<i>Taxodium mucronatum</i> Montezuma baldcypress	17'1"	75'	59'	Wainaku, Hilo, Hawaii.
<i>Tectona grandis</i> teak	4'11"	56'	36'	Hongwanji Buddhist Church, Lahaina, Maui.
<i>Terminalia catappa</i> tropical-almond	21'3"	45'	76'	Haile Church, Hilo, Hawaii.
<i>Terminalia edulis</i> dalison	19'10"	125'	110'	Kohala Forest Reserve, Muliwai, Hawaii.
<i>Terminalia myriocarpa</i> jhalna	8'5"	52'	65'	Manuka State Park, Kau, Hawaii.

EXOTIC SPECIES	Circumference	Height	Spread	Location, City and Island
<i>Toona ciliata</i> var. <i>australis</i> Australian toon	11'4"	117'	72'	Kohala Forest Reserve, Muliwai, Hawaii.
<i>Trema orientalis</i> gunpowder-tree	20'6"	72'	108'	Pepeekeo, Hawaii.
<i>Tristania conferta</i> brushbox	12'11"	60'	47'	Ulupalakua Ranch Co., Ulupala- kua, Maui.

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