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Big Trees of the Midsouth Forest Survey

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SUMMARY

Forestry agencies and associations across the country maintain registers of champion big trees. Listings of the biggest trees encountered on the USDA Forest Service's continuing survey of the forest lands of seven Midsouth States have been prepared. The listings report the biggest trees encountered by species for each State and the Midsouth region. These listings should supplement existing big tree registers.

Keywords: Circumference, height, species.

Big trees are one of nature's grandest spectacles. In fact, whole parks and preserves have been established just to maintain and nurture big trees. Many State forestry agencies maintain lists of champion big trees for their individual States, and the American Forestry Association (AFA) maintains a national register of champion big trees. Listings of big trees encountered during the Midsouth Forest Survey, conducted by the USDA Forest Service, Southern Forest Experiment Station, are reported in this paper and should supplement these existing lists and registers.

The Midsouth Forest Survey is a continuing effort by the Forest Inventory and Analysis unit of the Southern Forest Experiment Station. The primary purpose of the survey is to track and report on the extent, condition, and growth of forest resources in seven States in the Midsouth. The forests of each of the seven States (Alabama, Arkansas, Louisiana, Mississippi, Oklahoma, Tennessee, and Texas) are surveyed on a State-by-State basis until all seven have been completed; then the cycle begins again. It currently takes about 8 years to completely survey all seven States.

The process of surveying each State's forest resources requires visiting sample locations systematically located across each State on a 3- by 3-mile grid. At each forested sample location, tree species are identified, their physical characteristics are measured, and a description of the plot location is made. Over the entire seven-State area, from approximately 17,000 forested sample locations, information is collected on over 400,000 live trees. These trees provide the basis for compiling the lists of big trees.

In compiling the lists, AFA criteria for measuring big trees were employed. A "bigness" score was assigned to each tree by awarding one point for each inch of a tree's circumference at 4.5 feet above the ground and one point for every foot of a tree's height above the ground. The AFA criteria also award one-quarter point for every foot of a tree's crown width. Unfortunately, crown width is not one of the physical characteristics commonly measure on Midsouth Forest Survey sample location trees. However, because of the small weight given to this measurement, total "bigness" scores based on circumference and height alone should still provide meaningful assessments of tree size. Trees having the highest scores for their species were included in the lists.

When reviewing the lists of big trees compiled by the Midsouth Forest Survey, several factors should be kept in mind. Although over 400,000 trees are measured over a complete survey cycle, these trees are only a small fraction of the over 60 billion trees estimated to makeup the forest lands in the seven-State area. This small sample is sufficient to meet the primary objectives of the Midsouth Forest Survey, but is insufficient to identify the biggest trees in each State or the region. Even if some of the big trees encountered on the survey were possible State champions, policy would not allow divulging the locations of these candidate trees. This policy is in effect to maintain the integrity of long-term assessments of

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forest resource changes, which are based on repeated measurements of the same sample locations over time. Disclosing the sample locations could inadvertently affect the forest resources of the sample locations and bias long-term trend assessments. However, the Midsouth Forest Survey big tree lists can be compared to existing champion big tree lists to determine the likelihood of the existence of new champion big trees. For instance, if the comparison reveals a possible candidate tree, then it is quite likely, given the small sample from which the lists were developed, that a new champion for that species does exist somewhere in the State. Such a comparison was made against Mississippi's champion big tree list, and it revealed that likely new champions probably exist for a lot of the generally smaller and lesser known species such as ironwood (*Ostrya virginiana* (Mill.) K. Koch), American holly (*Ilex opaca* Ait.), redbud (*Cercis canadensis* L.), dogwood (*Cornus florida* L.), sourwood (*Oxydendrum arboreum* (L.) DC.), sweetbay (*Magnolia virginiana* L.), and blue beech (*Carpinus caroliniana* Wall).

As previously stated, a complete survey of all seven States in the Midsouth takes about 8 years to complete. This results in a sizable time span between the first State

completed, in this case Alabama in 1982, and the last, Tennessee in 1989. As a consequence of the elapsed time since the completion of the first States surveyed in the cycle, it is quite possible that some of the big trees listed are no longer living; but on the other hand they could have grown even bigger!

Also, for species of trees that tend to swell at the base, such as cypress (*Taxodium* spp.) and tupelo (*Nyssa* spp.), the circumference is based on a diameter measurement taken at 1.5 feet above the swell and not at 4.5 feet above the ground. This practice is highly suited to meeting the primary objectives of the Midsouth Forest Survey, but results in reduced "bigness" scores as circumference reductions usually result from employing this practice.

And finally, not all trees are identified down to the species level. Some are grouped at the genus level, such as hickories (*Carya* spp.). This may result in some loss of significance for trees grouped in this manner.

With these limitations in mind, tables 1 through 16 list the biggest trees encountered during the Midsouth Forest Survey by species, State, and region for the 1982-89 period. These lists should provide an interesting reference and should supplement already established lists of big trees.

Table 1 – Alabama big trees by species, 1982

Scientific name	Common name	Diameter ----- inches -----	Circumference -----	Height - feet -	Points ¹
<i>Acer barbatum</i> Michx.	Florida maple	17.4	54.664	77	131.664
<i>Acer negundo</i> L.	Boxelder	16.7	52.465	84	136.465
<i>Acer rubrum</i> L.	Red maple	28.1	88.279	91	179.279
<i>Acer saccharinum</i> L.	Silver maple	24.8	77.912	80	157.912
<i>Acer sacchanum</i> Marsh.	Sugar maple	16.1	50.580	85	135.580
<i>Aesculus glabra</i> Willd.	Ohio buckeye	10.8	33.929	68	101.929
<i>Aesculus octandra</i> Marsh.	Yellow buckeye	9.0	28.274	62	90.274
<i>Ailanthus altissima</i> (Mill.) Swingle	Tree-of-heaven	10.4	32.673	49	81.673
<i>Benula lenta</i> L.	Sweet birch	10.0	31.416	39	70.416
<i>Benula nigra</i> L.	River birch	27.1	85.137	79	164.137
<i>Carpinus caroliniana</i> Walt.	American hornbeam	12.9	40.527	60	100.527
<i>Carya aquatica</i> (Michx. f.) Nutt.	Water hickory	23.8	74.770	109	183.770
<i>Carya illinoensis</i> (Wangenh.) K. Koch	Pecan	20.3	63.774	78	141.774
<i>Carya</i> spp. Nutt.	Hickory	34.3	107.757	120	227.757
<i>Catalpa</i> spp. Scop.	Catalpa	8.4	26.389	30	56.389
<i>Celtis laevigata</i> Willd.	Sugarberry	21.4	67.230	96	163.230
<i>Celtis occidentalis</i> L.	Hackberry	22.1	69.429	95	164.429
<i>Cercis canadensis</i> L.	Eastern redbud	7.0	21.991	50	71.991
<i>Chamaecyparis thuyoides</i> (L.) B.S.P.	Atlantic white-cedar	18.2	57.177	102	159.177
<i>Cornus florida</i> L.	Flowering dogwood	10.6	33.301	42	75.301
<i>Cotinus obovatus</i> Raf.	American smoke tree	8.4	26.389	65	91.389
<i>Crataegus</i> spp. L.	Hawthorn	5.2	16.336	28	44.336
<i>Diospyros virginiana</i> L.	Common persimmon	16.4	51.522	88	139.522
<i>Fagus grandifolia</i> Ehrh.	American beech	29.7	93.306	105	198.306
<i>Fraxinus americana</i> L.	White ash	26.7	83.881	96	179.881
<i>Fraxinus pennsylvanica</i> Marsh.	Green ash	43.7	137.288	116	253.288
<i>Gleditsia triacanthos</i> L.	Honeylocust	10.2	32.044	70	102.044
<i>Ilex opaca</i> Ait.	American holly	14.6	45.867	69	114.867

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Table 1 - Alabama big trees by species, 1982 - Continued

Scientific name	Common name	Diameter	Circumference	Height	Points ¹
		----- inches -----		- feet -	
<i>Juglans cinerea</i> L.	Butternut	15.9	49.951	90	139.951
<i>Juglans nigra</i> L.	Black walnut	17.0	53.407	99	152.407
<i>Juniperus virginiana</i> L.	Eastern redcedar	17.6	55.292	62	117.292
<i>Liquidambar styraciflua</i> L.	Sweetgum	37.2	116.868	119	235.868
<i>Liriodendron tulipifera</i> L.	Yellow-poplar	49.3	154.881	108	262.881
<i>Maclura pomifera</i> (Raf.) Schneid.	Osage-orange	9.7	30.474	47	77.474
<i>Magnolia acuminata</i> L.	Cucumber tree	19.7	61.890	61	122.890
<i>Magnolia grandiflora</i> L.	Southern magnolia	31.2	98.018	77	175.018
<i>Magnolia macrophylla</i> Michx.	Bigleaf magnolia	17.6	55.292	85	140.292
<i>Magnolia virginiana</i> L.	Sweetbay	27.6	86.708	88	174.708
<i>Melia azedarach</i> L.	Chinaberry	14.7	46.182	60	106.182
<i>Morus rubra</i> L.	Red mulberry	17.7	55.606	70	125.606
<i>Nyssa aquatica</i> L.	Water tupelo	37.2	116.868	68	184.868
<i>Nyssa sylvatica</i> Marsh.	Blackgum	26.4	82.938	102	184.938
<i>Nyssa sylvatica</i> var. <i>biflora</i> (Walt.) Sarg.	Swamp tupelo	38.4	120.637	60	180.637
<i>Ostrya virginiana</i> (Mill.) K. Koch	Eastern hophornbeam	9.7	30.474	76	106.474
<i>Oxydendrum arboreum</i> (L.) DC.	Sourwood	16.1	50.580	52	102.580
<i>Persea borbonia</i> (L.) Spreng.	Redbay	15.9	49.951	77	126.951
<i>Pinus echinata</i> Mill.	Shortleaf pine	30.5	95.819	103	198.819
<i>Pinus elliotii</i> Engelm.	Slash pine	25.7	80.739	111	191.739
<i>Pinus glabra</i> Walt.	Spruce pine	26.7	83.881	125	208.881
<i>Pinus palustris</i> Mill.	Longleaf pine	28.0	87.965	75	162.965
<i>Pinus taeda</i> L.	Loblolly pine	31.8	99.903	130	229.903
<i>Pinus virginiana</i> Mill.	Virginia pine	20.2	63.460	102	165.460
<i>Planera aquatica</i> J.F. Gmel.	Water-elm	14.5	45.553	58	103.553
<i>Platanus occidentalis</i> L.	American sycamore	44.5	139.801	92	231.801
<i>Populus deltoides</i> Bartr. ex Marsh.	Eastern cottonwood	22.6	71.000	108	179.000
<i>Prunus serotina</i> Ehrh.	Black cherry	23.2	72.885	123	195.885
<i>Prunus</i> spp. L.	Plum and cherries	6.9	21.677	26	47.677
<i>Quercus alba</i> L.	White oak	37.7	118.438	100	218.438
<i>Quercus coccinea</i> Muenchh.	Scarlet oak	25.1	78.854	130	208.854
<i>Quercus durandii</i> Buckl.	Durand oak	26.3	82.624	75	157.624
<i>Quercus falcata</i> Michx.	Southern red oak	39.8	125.036	88	213.036
<i>Quercus falcata</i> var. <i>pagodifolia</i> Ell.	Cherrybark oak	50.5	158.651	116	274.651
<i>Quercus incana</i> Bartr.	Bluejack oak	6.7	21.049	37	58.049
<i>Quercus laevis</i> Walt.	Turkey oak	19.1	60.005	49	109.005
<i>Quercus laurifolia</i> Michx.	Laurel oak	42.2	132.576	95	227.576
<i>Quercus lyrata</i> Walt.	Overcup oak	38.0	119.381	95	214.381
<i>Quercus macrocarpa</i> Michx.	Bur oak	18.3	57.491	81	138.491
<i>Quercus marilandica</i> Muenchh.	Blackjack oak	21.0	65.974	64	129.974
<i>Quercus michauxii</i> Nutt.	Swamp chestnut oak	31.0	97.390	92	189.390
<i>Quercus muehlenbergii</i> Engelm.	Chinkapin oak	30.3	95.190	105	200.190
<i>Quercus nigra</i> L.	Water oak	45.7	143.571	81	224.571
<i>Quercus nuttallii</i> Palmer	Nuttall oak	20.7	65.031	90	155.031
<i>Quercus palustris</i> Muenchh.	Pin oak	15.6	49.009	86	135.009
<i>Quercus phellos</i> L.	Willow oak	43.0	135.089	101	236.089
<i>Quercus prinus</i> L.	Chestnut oak	29.0	91.106	88	179.106
<i>Quercus rubra</i> L.	Northern red oak	43.3	136.031	98	234.031
<i>Quercus shumardii</i> Buckl.	Shumard oak	30.8	96.761	112	208.761
<i>Quercus stellata</i> Wangenh.	Post oak	39.6	124.407	76	200.407
<i>Quercus velutina</i> Lam.	Black oak	26.9	84.509	117	201.509
<i>Quercus virginiana</i> Mill.	Live oak	22.9	71.943	42	113.943
<i>Robinia pseudoacacia</i> L.	Black locust	19.9	62.518	66	128.518
<i>Salix</i> spp. L.	Willow	22.3	70.058	91	161.058
<i>Sassafras albidum</i> (Nutt.) Nees	Sassafras	16.5	51.836	97	148.836
<i>Taxodium distichum</i> (L.) Rich.	Baldcypress	51.5	161.792	105	266.792
<i>Tilia americana</i> L.	American basswood	19.1	60.005	109	169.005
<i>Tilia heterophylla</i> Vent.	White basswood	18.2	57.177	79	136.177
<i>Tsuga canadensis</i> (L.) Carr.	Eastern hemlock	13.5	42.412	77	119.412
<i>Ulmus alata</i> Michx.	Winged elm	21.6	67.859	103	170.859
<i>Ulmus americana</i> L.	American elm	18.2	57.177	113	170.177
<i>Ulmus crassifolia</i> Nutt.	Cedar elm	23.9	75.084	107	182.084
<i>Ulmus rubra</i> Muhl.	Slippery elm	21.2	66.602	79	145.602

¹One point awarded for each inch in circumference and foot in height

Table 2 – Arkansas big trees by species, 1988

Scientific name	Common name	Diameter	Circumference	Height	Points ¹
		----- inches -----		- feet -	
<i>Acer barbatum</i> Michx	Florida maple	17.1	53.721	70	123.721
<i>Acer negundo</i> L.	Boxelder	25.0	78.540	91	169.540
<i>Acer rubrum</i> L.	Red maple	34.7	109.014	100	209.014
<i>Acer saccharinum</i> L.	Silver maple	23.8	74.770	89	163.770
<i>Acer saccharum</i> Marsh.	Sugar maple	24.8	77.912	80	157.912
<i>Ailanthus altissima</i> (Mill.) Swingle	Tree-of-heaven	11.7	36.757	79	115.757
<i>Amelanchier</i> spp. Medic.	Serviceberry	10.2	32.044	42	74.044
<i>Betula nigra</i> L.	River birch	30.0	94.248	88	182.248
<i>Bumelia</i> spp. Sw.	Gum bumelia	9.5	29.845	46	75.845
<i>Carpinus caroliniana</i> Walt.	American hornbeam	18.1	56.863	63	119.863
<i>Carya aquatica</i> (Michx. f.) Nutt.	Water hickory	36.7	115.297	138	253.297
<i>Carya illinoensis</i> (Wangenh.) K. Koch	Pecan	35.4	111.213	124	235.213
<i>Carya</i> spp. Nutt.	Hickory	28.6	89.850	135	224.850
<i>Castanea dentata</i> (Marsh.) Borkh.	American chestnut	8.4	26.389	61	87.389
<i>Castanea</i> spp. Mill.	Chinkapin	5.6	17.593	25	42.593
<i>Catalpa</i> spp. Scop.	Catalpa	13.2	41.469	59	100.469
<i>Celtis laevigata</i> Willd.	Sugarberry	33.5	105.244	104	209.244
<i>Celtis occidentalis</i> L.	Hackberry	29.9	93.934	104	197.934
<i>Cercis canadensis</i> L.	Eastern redbud	8.5	26.704	45	71.704
<i>Cornus florida</i> L.	Flowering dogwood	9.1	28.589	46	74.589
<i>Crataegus</i> spp. L.	Hawthorn	8.2	25.761	32	57.761
<i>Diospyros virginiana</i> L.	Common persimmon	18.5	58.120	103	161.120
<i>Fagus grandifolia</i> Ehrh.	American beech	37.9	119.067	96	215.067
<i>Fraxinus americana</i> L.	White ash	35.9	112.783	102	214.783
<i>Fraxinus peruviana</i> Marsh.	Green ash	38.4	120.637	100	220.637
<i>Fraxinus profunda</i> (Bush) Bush	Pumpkin ash	14.8	46.496	80	126.496
<i>Fraxinus quadrangulata</i> Michx.	Bluc ash	15.6	49.009	74	123.009
<i>Gleditsia aquatica</i> Marsh.	Waterlocust	27.9	87.651	85	172.651
<i>Gleditsia triacanthos</i> L.	Honeylocust	30.6	96.133	100	196.133
<i>Halesia carolina</i> L.	Mountain silverbell	9.1	28.589	51	79.589
<i>Ilex opaca</i> Ait.	American holly	18.2	57.177	80	137.177
<i>Juglans cinerea</i> L.	Butternut	17.3	54.350	65	119.350
<i>Juglans nigra</i> L.	Black walnut	28.3	88.907	74	162.907
<i>Juniperus virginiana</i> L.	Eastern redcedar	21.9	68.801	62	130.801
<i>Liquidambar styraciflua</i> L.	Sweetgum	43.8	137.602	120	257.602
<i>Liriodendron tulipifera</i> L.	Yellow-poplar	41.3	129.748	122	251.748
<i>Maclura pomifera</i> (Raf.) Schneid.	Osage-orange	24.2	76.027	56	132.027
<i>Magnolia acuminata</i> L.	Cucumbertree	18.2	57.177	90	147.177
<i>Magnolia macrophylla</i> Michx.	Bigleaf magnolia	8.2	25.761	38	63.761
<i>Magnolia virginiana</i> L.	Sweetbay	25.6	80.425	84	164.425
<i>Melia azedarach</i> L.	Chinaberry	9.9	31.102	35	66.102
<i>Morus alba</i> L.	White mulberry	9.3	29.217	56	85.217
<i>Morus rubra</i> L.	Red mulberry	15.8	49.637	52	101.637
<i>Nyssa aquatica</i> L.	Water tupelo	43.4	136.345	78	214.345
<i>Nyssa sylvatica</i> Marsh.	Blackgum	29.5	92.677	121	213.677
<i>Nyssa sylvatica</i> var. <i>biflora</i> (Walt.) Sarg.	Swamp tupelo	48.5	152.368	67	219.368
<i>Ostrya virginiana</i> (Mill.) K. Koch	Eastern hophornbeam	23.5	73.828	34	107.828
<i>Pinus echinata</i> Mill.	Shortleaf pine	27.6	86.708	116	202.708
<i>Pinus taeda</i> L.	Loblolly pine	34.9	109.642	115	224.642
<i>Planera aquatica</i> J.F. Gmel.	Water-elm	23.5	73.828	50	123.828
<i>Platanus occidentalis</i> L.	American sycamore	58.7	184.412	127	311.412
<i>Populus deltoides</i> Bartr. ex Marsh.	Eastern cottonwood	51.7	162.421	131	293.421
<i>Prunus serotina</i> Ehrh.	Black cherry	24.2	76.027	101	177.027
<i>Prunus</i> spp. L.	Plum and cherries	5.1	16.022	47	63.022
<i>Quercus alba</i> L.	White oak	33.9	106.500	115	221.500
<i>Quercus bicolor</i> Willd.	Swamp white oak	25.5	80.111	102	182.111
<i>Quercus coccinea</i> Muenchh.	Scarlet oak	17.3	54.350	88	142.350
<i>Quercus durandii</i> Buckl.	Durand oak	10.7	33.615	76	109.615
<i>Quercus falcata</i> Michx.	Southern red oak	36.0	113.098	114	227.098
<i>Quercus falcata</i> var. <i>pagodifolia</i> Ell.	Cherrybark oak	36.5	114.668	130	244.668
<i>Quercus imbricaria</i> Michx.	Shingle oak	6.4	20.106	41	61.106
<i>Quercus incana</i> Bartr.	Bluejack oak	14.3	44.925	56	100.925
<i>Quercus laevis</i> Walt.	Turkey oak	17.2	54.036	59	113.036
<i>Quercus laurifolia</i> Michx.	Laurel oak	5.4	16.965	38	54.965
<i>Quercus lyrata</i> Walt.	Overcup oak	39.5	124.093	111	235.093

Table 2 – Arkansas big trees by species, 1988 - Continued

Scientific name	Common name	Diameter	Circumference	Height	Points ¹
		----- inches -----		- feet -	
<i>Quercus macrocarpa</i> Michx.	Bur oak	14.3	44.925	67	111.925
<i>Quercus marilandica</i> Muenchh.	Blackjack oak	26.3	82.624	62	144.624
<i>Quercus michauxii</i> Nutt.	Swamp chestnut oak	26.9	84.509	123	207.509
<i>Quercus muehlenbergii</i> Engelm.	Chinkapin oak	29.5	92.677	102	194.677
<i>Quercus nigra</i> L.	Water oak	33.3	104.615	135	239.615
<i>Quercus nuttallii</i> Palmer	Nuttall oak	41.1	129.120	125	254.120
<i>Quercus palustris</i> Muenchh.	Pin oak	35.9	112.783	104	216.783
<i>Quercus phellos</i> L.	Willow oak	58.7	184.412	96	280.412
<i>Quercus prinus</i> L.	Chestnut oak	13.6	42.726	75	117.726
<i>Quercus rubra</i> L.	Northern red oak	37.2	116.868	91	207.868
<i>Quercus shumardii</i> Buckl.	Shumard oak	39.7	124.722	83	207.722
<i>Quercus stellata</i> Wangenh.	Post oak	33.6	105.558	101	206.558
<i>Quercus stellata</i> var. <i>paludosa</i> Sarg.	Delta post oak	21.5	67.544	103	170.544
<i>Quercus velutina</i> Lam.	Black oak	52.4	164.620	100	264.620
<i>Robinia pseudouacacia</i> L.	Black locust	16.6	52.151	90	142.151
<i>Salix</i> spp. L.	Willow	44.2	138.859	75	213.859
<i>Sassafras albidum</i> (Nutt.) Nees	Sassafras	14.0	43.982	74	117.982
<i>Taxodium distichum</i> (L.) Rich.	Baldcypress	82.3	258.554	120	378.554
<i>Tilia americana</i> L.	American basswood	25.2	79.168	110	189.168
<i>Ulmus alata</i> Michx.	Winged elm	22.4	70.372	94	164.372
<i>Ulmus americana</i> L.	American elm	41.3	129.748	114	243.748
<i>Ulmus crassifolia</i> Nutt.	Cedar elm	25.0	78.540	96	174.540
<i>Ulmus pumila</i> L.	Siberian elm	5.1	16.022	26	42.022
<i>Ulmus rubra</i> Muhl.	Slippery elm	32.1	100.845	128	228.845
<i>Ulmus serotina</i> Sarg.	September elm	20.7	65.031	74	139.031
<i>Ulmus thomasi</i> Sarg.	Rock elm	6.9	21.677	38	59.677

¹One point awarded for each inch in circumference and foot in height.

Table 3 – Louisiana big trees by species, 1984

Scientific name	Common name	Diameter	Circumference	Height	Points ¹
		----- inches -----		- feet -	
<i>Acer barbatum</i> Michx.	Florida maple	21.8	68.487	90	158.487
<i>Acer negundo</i> L.	Boxelder	18.2	57.177	90	147.177
<i>Acer rubrum</i> L.	Red maple	35.2	110.584	90	200.584
<i>Acer saccharum</i> Marsh.	Sugar maple	21.7	68.173	92	160.173
<i>Betula nigra</i> L.	River birch	18.6	58.434	76	134.434
<i>Carpinus caroliniana</i> Walt.	American hornbeam	12.8	40.212	65	105.212
<i>Carya aquatica</i> (Michx. f.) Nutt.	Water hickory	39.1	122.837	148	270.837
<i>Carya illinoensis</i> (Wangenh.) K. Koch	Pecan	44.8	140.744	101	241.744
<i>Carya</i> spp. Nutt.	Hickory	31.7	99.589	110	209.589
<i>Celtis laevigata</i> Willd.	Sugarberry	53.1	166.819	54	220.819
<i>Cercis canadensis</i> L.	Eastern redbud	9.8	30.788	38	68.788
<i>Cornus florida</i> L.	Flowering dogwood	10.7	33.615	52	85.615
<i>Crataegus</i> spp. L.	Hawthorn	9.7	30.474	37	67.474
<i>Diospyros virginiana</i> L.	Common persimmon	19.4	60.947	68	128.947
<i>Fagus grandifolia</i> Ehrh.	American beech	36.0	113.098	110	223.098
<i>Fraxinus americana</i> L.	White ash	32.7	102.730	86	188.730
<i>Fraxinus pennsylvanica</i> Marsh.	Green ash	35.7	112.155	97	209.155
<i>Gleditsia aquatica</i> Marsh.	Waterlocust	21.3	66.916	101	167.916
<i>Gleditsia triacanthos</i> L.	Honeylocust	35.7	112.155	100	212.155
<i>Ilex opaca</i> Ait.	American holly	14.3	44.925	70	114.925
<i>Juglans nigra</i> L.	Black walnut	24.6	77.283	55	132.283
<i>Juniperus virginiana</i> L.	Eastern redcedar	28.7	90.164	68	158.164
<i>Liquidambar styraciflua</i> L.	Sweetgum	44.1	138.545	105	243.545
<i>Liriodendron tulipifera</i> L.	Yellow-poplar	32.6	102.416	108	210.416
<i>Maclura pomifera</i> (Raf.) Schneid.	Osage-orange	14.5	45.553	50	95.553
<i>Magnolia acuminata</i> L.	Cucumber tree	7.5	23.562	53	76.562
<i>Magnolia grandiflora</i> L.	Southern magnolia	36.3	114.040	85	199.040
<i>Magnolia virginiana</i> L.	Sweetbay	22.6	71.000	99	170.000
<i>Melia azedarach</i> L.	Chinaberry	7.7	24.190	60	84.190
<i>Morus rubra</i> L.	Red mulberry	16.0	50.266	64	114.266

Table 3 – Louisiana big trees by species, 1984 - Continued

Scientific name	Common name	Diameter	Circumference	Height	Points ¹
		----- inches -----		- feet -	
<i>Nyssa aquatica</i> L.	Water tupelo	37.6	118.124	91	209.124
<i>Nyssa sylvatica</i> Marsh.	Blackgum	31.6	99.275	90	189.275
<i>Nyssa sylvatica</i> var. <i>biflora</i> (Walt.) Sarg.	Swamp tupelo	29.7	93.306	82	175.306
<i>Ostrya virginiana</i> (Mill.) K. Koch	Eastern hophornbeam	7.5	23.562	63	86.562
<i>Oxydendrum arboreum</i> (L.) DC.	Sourwood	8.2	25.761	60	85.761
<i>Persea borbonia</i> (L.) Spreng.	Redbay	12.0	37.699	60	97.699
<i>Pinus echinata</i> Mill.	Shortleaf pine	28.3	88.907	111	199.907
<i>Pinus elliotii</i> Engelm.	Slash pine	23.3	73.199	101	174.199
<i>Pinus glabra</i> Walt.	Spruce pine	33.7	105.872	120	225.872
<i>Pinus palustris</i> Mill.	Longleaf pine	31.6	99.275	99	198.275
<i>Pinus taeda</i> L.	Loblolly pine	34.4	108.071	119	227.071
<i>Planera aquatica</i> J.F. Gmel.	Water-elm	27.2	85.452	45	130.452
<i>Platanus occidentalis</i> L.	American sycamore	37.3	117.182	120	237.182
<i>Populus deltoides</i> Bartr. ex Marsh.	Eastern cottonwood	41.3	129.748	148	277.748
<i>Prunus serotina</i> Ehrh.	Black cherry	28.9	90.792	95	185.792
<i>Prunus</i> spp. L.	Plum and cherries	8.9	27.960	36	63.960
<i>Quercus alba</i> L.	White oak	40.1	125.978	90	215.978
<i>Quercus bicolor</i> Willd.	Swamp white oak	21.9	68.801	91	159.801
<i>Quercus falcata</i> Michx.	Southern red oak	27.3	85.766	112	197.766
<i>Quercus falcata</i> var. <i>pagodifolia</i> Ell.	Cherrybark oak	46.5	146.084	111	257.084
<i>Quercus incana</i> Bartr.	Bluejack oak	15.0	47.124	72	119.124
<i>Quercus laurifolia</i> Michx.	Laurel oak	30.8	96.761	135	231.761
<i>Quercus lyrata</i> Walt.	Overcup oak	41.5	130.376	104	234.376
<i>Quercus marilandica</i> Muenchh.	Blackjack oak	22.0	69.115	63	132.115
<i>Quercus michauxii</i> Nutt.	Swamp chestnut oak	32.0	100.531	135	235.531
<i>Quercus muehlenbergii</i> Engelm.	Chinkapin oak	22.0	69.115	85	154.115
<i>Quercus nigra</i> L.	Water oak	61.1	191.952	113	304.952
<i>Quercus nuttallii</i> Palmer	Nuttall oak	47.8	150.168	128	278.168
<i>Quercus palustris</i> Muenchh.	Pin oak	21.8	68.487	86	154.487
<i>Quercus phellos</i> L.	Willow oak	46.8	147.027	105	252.027
<i>Quercus shumardii</i> Buckl.	Shumard oak	25.0	78.540	99	177.540
<i>Quercus stellata</i> Wangenh.	Post oak	41.0	128.806	75	203.806
<i>Quercus stellata</i> var. <i>paludosa</i> Sarg.	Delta post oak	21.9	68.801	85	153.801
<i>Quercus velutina</i> Lam.	Black oak	23.2	72.885	112	184.885
<i>Quercus virginiana</i> Mill.	Live oak	68.5	215.200	70	285.200
<i>Robinia pseudoacacia</i> L.	Black locust	7.9	24.819	63	87.819
<i>Salix</i> spp. L.	Willow	35.9	112.783	123	235.783
<i>Sassafras albidum</i> (Nutt.) Nees	Sassafras	20.5	64.403	100	164.403
<i>Taxodium distichum</i> (L.) Rich.	Baldcypress	66.1	207.660	115	322.660
<i>Tilia americana</i> L.	American basswood	22.7	71.314	73	144.314
<i>Tilia heterophylla</i> Vent.	White basswood	30.3	95.190	97	192.190
<i>Ulmus alata</i> Michx.	Winged elm	21.3	66.916	82	148.916
<i>Ulmus americana</i> L.	American elm	32.1	100.845	107	207.845
<i>Ulmus crassifolia</i> Nutt.	Cedar elm	33.5	105.244	109	214.244
<i>Ulmus rubra</i> Muhl.	Slippery elm	40.2	126.292	84	210.292
<i>Vaccinium arboreum</i> Marsh.	Sparkleberry	11.1	34.872	35	69.872

¹One point awarded for each inch in circumference and foot in height.

Table 4 – Mississippi big trees by species, 1987

Scientific name	Common name	Diameter	Circumference	Height	Points ¹
<i>Acer barbatum</i> Michx.	Florida maple	19.3	60.633	86	146.633
<i>Acer negundo</i> L.	Boxelder	21.4	67.230	84	151.230
<i>Acer rubrum</i> L.	Red maple	31.7	99.589	85	184.589
<i>Acer saccharinum</i> L.	Silver maple	25.8	81.053	95	176.053
<i>Acer saccharum</i> Marsh.	Sugar maple	26.9	84.509	94	178.509
<i>Aesculus octandra</i> Marsh.	Yellow buckeye	14.1	44.297	58	102.297
<i>Aesculus</i> spp. L.	Other buckeyes	5.7	17.907	20	37.907
<i>Amelanchier</i> spp. Medic.	Serviceberry	7.4	23.248	33	56.248
<i>Betula nigra</i> L.	River birch	30.6	96.133	82	178.133
<i>Carpinus caroliniana</i> Walt.	American hornbeam	21.6	67.859	75	142.859
<i>Carya aquatica</i> (Michx. f.) Nutt.	Water hickory	30.9	97.075	122	219.075
<i>Carya illinoensis</i> (Wangenh.) K. Koch	Pecan	50.2	157.708	125	282.708
<i>Carya</i> spp. Nutt.	Hickory	41.0	128.806	116	244.806
<i>Catalpa</i> spp. Scop.	Catalpa	23.8	74.770	55	129.770
<i>Celtis laevigata</i> Willd.	Sugarberry	39.1	122.837	94	216.837
<i>Celtis occidentalis</i> L.	Hackberry	9.6	30.159	53	83.159
<i>Cercis canadensis</i> L.	Eastern redbud	13.1	41.155	80	121.155
<i>Chamaecyparis thyoides</i> (L.) B.S.P.	Atlantic white-cedar	14.2	44.611	64	108.611
<i>Cornus florida</i> L.	Flowering dogwood	15.1	47.438	73	120.438
<i>Crataegus</i> spp. L.	Hawthorn	8.7	27.332	39	66.332
<i>Diospyros virginiana</i> L.	Common persimmon	19.4	60.947	101	161.947
<i>Fagus grandifolia</i> Ehrh.	American beech	40.6	127.549	100	227.549
<i>Fraxinus americana</i> L.	White ash	26.4	82.938	100	182.938
<i>Fraxinus pennsylvanica</i> Marsh.	Green ash	33.6	105.558	115	220.558
<i>Gleditsia aquatica</i> Marsh.	Waterlocust	17.7	55.606	89	144.606
<i>Gleditsia triacanthos</i> L.	Honeylocust	19.5	61.261	107	168.261
<i>Ilex opaca</i> Ait.	American holly	25.4	79.797	88	167.797
<i>Juglans nigra</i> L.	Black walnut	14.9	46.810	112	158.810
<i>Juniperus virginiana</i> L.	Eastern redcedar	18.9	59.376	84	143.376
<i>Liquidambar styraciflua</i> L.	Sweetgum	53.9	169.332	138	307.332
<i>Liriodendron tulipifera</i> L.	Yellow-poplar	31.6	99.275	144	243.275
<i>Maclura pomifera</i> (Raf.) Schneid.	Osage-orange	42.3	132.890	57	189.890
<i>Magnolia acuminata</i> L.	Cucumber tree	25.9	81.367	116	197.367
<i>Magnolia grandiflora</i> L.	Southern magnolia	33.0	103.673	105	208.673
<i>Magnolia macrophylla</i> Michx.	Bigleaf magnolia	17.5	54.978	62	116.978
<i>Magnolia virginiana</i> L.	Sweetbay	31.1	97.704	83	180.704
<i>Melia azedarach</i> L.	Chinaberry	11.5	36.128	75	111.128
<i>Morus alba</i> L.	White mulberry	14.1	44.297	82	126.297
<i>Morus rubra</i> L.	Red mulberry	16.0	50.266	91	141.266
<i>Nyssa aquatica</i> L.	Water tupelo	32.8	103.044	85	188.044
<i>Nyssa sylvatica</i> Marsh.	Blackgum	35.9	112.783	114	226.783
<i>Nyssa sylvatica</i> var. <i>biflora</i> (Walt.) Sarg.	Swamp tupelo	31.9	100.217	80	180.217
<i>Ostrya virginiana</i> (Mill.) K. Koch	Eastern hophornbeam	13.2	41.469	67	108.469
<i>Oxydendrum arboreum</i> (L.) DC.	Sourwood	15.3	48.066	67	115.066
<i>Persea borbonia</i> (L.) Spreng.	Redbay	10.5	32.987	48	80.987
<i>Pinus echinata</i> Mill.	Shortleaf pine	22.2	69.744	117	186.744
<i>Pinus elliotii</i> Engelm.	Slash pine	24.6	77.283	104	181.283
<i>Pinus glabra</i> Walt.	Spruce pine	30.4	95.505	110	205.505
<i>Pinus palustris</i> Mill.	Longleaf pine	25.0	78.540	89	167.540
<i>Pinus taeda</i> L.	Loblolly pine	38.0	119.381	123	242.381
<i>Planera aquatica</i> J.F. Gmel.	Water-elm	14.2	44.611	78	122.611
<i>Platanus occidentalis</i> L.	American sycamore	59.7	187.554	85	272.554
<i>Populus deltoides</i> Bartr. ex Marsh.	Eastern cottonwood	46.7	146.713	133	279.713
<i>Prunus serotina</i> Ehrh.	Black cherry	25.9	81.367	92	173.367
<i>Prunus</i> spp. L.	Plum and cherries	8.1	25.447	61	86.447
<i>Quercus alba</i> L.	White oak	39.8	125.036	105	230.036
<i>Quercus bicolor</i> Willd.	Swamp white oak	21.5	67.544	98	165.544
<i>Quercus coccinea</i> Muenchh.	Scarlet oak	34.3	107.757	107	214.757
<i>Quercus durandii</i> Buckl.	Durand oak	16.9	53.093	73	126.093
<i>Quercus falcata</i> Michx.	Southern red oak	46.3	145.456	78	223.456
<i>Quercus fulcra</i> var. <i>paucifolia</i> Ell.	Cherrybark oak	45.2	142.000	135	277.000
<i>Quercus incana</i> Bartr.	Bluejack oak	8.6	27.018	36	63.018
<i>Quercus laevis</i> Walt.	Turkey oak	10.4	32.673	38	70.673
<i>Quercus laurifolia</i> Michx.	Laurel oak	38.3	120.323	122	242.323
<i>Quercus lyrata</i> Walt.	Overcup oak	35.6	111.841	115	226.841

Table 4—Mississippi big trees by species, 1987 - Continued

Scientific name	Common name	Diameter	Circumference	Height	Points ¹
		----- inches -----		- feet -	
<i>Quercus marilandica</i> Muenchh.	Blackjack oak	20.5	64.403	71	135.403
<i>Quercus michauxii</i> Nutt.	Swamp chestnut oak	47.7	149.854	100	249.854
<i>Quercus muehlenbergii</i> Engelm.	Chinkapin oak	22.3	70.058	103	173.058
<i>Quercus nigra</i> L.	Water oak	47.0	147.655	120	267.655
<i>Quercus nuttallii</i> Palmer	Nuttall oak	44.7	140.430	125	265.430
<i>Quercus palustris</i> Muenchh.	Pin oak	19.0	59.690	95	154.690
<i>Quercus phellos</i> L.	Willow oak	52.6	165.248	108	273.248
<i>Quercus prinus</i> L.	Chestnut oak	30.8	96.761	91	187.761
<i>Quercus rubra</i> L.	Northern red oak	27.6	86.708	100	186.708
<i>Quercus shumardii</i> Buckl.	Shumard oak	46.3	145.456	93	238.456
<i>Quercus stellata</i> Wangenh.	Post oak	43.2	135.717	90	225.717
<i>Quercus stellata</i> var. <i>paludosa</i> Sarg.	Delta post oak	18.1	56.863	78	134.863
<i>Quercus velutina</i> Lam.	Black oak	45.3	142.314	80	222.314
<i>Quercus virginiana</i> Mill.	Live oak	34.8	109.328	71	180.328
<i>Robinia pseudoacacia</i> L.	Black locust	14.6	45.867	89	134.867
<i>Salix</i> spp. L.	Willow	25.3	79.482	150	229.482
<i>Sassafras albidum</i> (Nutt.) Nees	Sassafras	31.6	99.275	106	205.275
<i>Taxodium distichum</i> (L.) Rich.	Baldcypress	58.0	182.213	106	288.213
<i>Tilia americana</i> L.	American basswood	20.2	63.460	89	152.460
<i>Tilia heterophylla</i> Vent.	White basswood	27.1	85.137	120	205.137
<i>Ulmus alata</i> Michx.	Winged elm	24.4	76.655	103	179.655
<i>Ulmus americana</i> L.	American elm	48.0	150.797	98	248.797
<i>Ulmus crassifolia</i> Nutt.	Cedar elm	22.2	69.744	105	174.744
<i>Ulmus pumila</i> L.	Siberian elm	6.5	20.420	34	54.420
<i>Ulmus rubra</i> Muhl.	Slippery elm	23.7	74.456	118	192.456
<i>Ulmus serotina</i> Sarg.	September elm	12.7	39.898	57	96.898
<i>Vaccinium arboreum</i> Marsh.	Sparkleberry	10.3	32.358	64	96.358

¹One point awarded for each inch in circumference and foot in height.

Table 5 – Oklahoma big trees by species, 1986

Scientific name	Common name	Diameter	Circumference	Height	Points ¹
		----- inches -----		- feet -	
<i>Acer barbatum</i> Michx.	Florida maple	9.6	30.159	72	102.159
<i>Acer negundo</i> L.	Boxelder	24.8	77.912	73	150.912
<i>Acer rubrum</i> L.	Red maple	18.9	59.376	68	127.376
<i>Acer saccharinum</i> L.	Silver maple	41.8	131.319	90	221.319
<i>Acer saccharum</i> Marsh.	Sugar maple	24.0	75.398	50	125.398
<i>Betula nigra</i> L.	River birch	30.2	94.876	76	170.876
<i>Bumelia</i> spp. Sw.	Gum bumelia	7.7	24.190	44	68.190
<i>Carpinus caroliniana</i> Walt.	American hornbeam	8.6	27.018	37	64.018
<i>Carya aquatica</i> (Michx. f.) Nutt.	Water hickory	25.2	79.168	105	184.168
<i>Carya illinoensis</i> (Wangenh.) K. Koch	Pecan	37.3	117.182	89	206.182
<i>Carya</i> spp. Nutt.	Hickory	26.7	83.881	101	184.881
<i>Celtis laevigata</i> Willd.	Sugarberry	34.6	108.699	69	177.699
<i>Celtis occidentalis</i> L.	Hackberry	16.8	52.779	92	144.779
<i>Cercis canadensis</i> L.	Eastern redbud	9.1	28.589	45	73.589
<i>Cornus florida</i> L.	Flowering dogwood	5.6	17.593	32	49.593
<i>Crataegus</i> spp. L.	Hawthorn	6.8	21.363	32	53.363
<i>Diospyros virginiana</i> L.	Common persimmon	11.8	37.071	55	92.071
<i>Fraxinus americana</i> L.	White ash	23.4	73.513	92	165.513
<i>Fraxinus pennsylvanica</i> Marsh.	Green ash	32.7	102.730	80	182.730
<i>Gleditsia aquatica</i> Marsh.	Waterlocust	15.1	47.438	48	95.438
<i>Gleditsia triacanthos</i> L.	Honeylocust	23.7	74.456	54	128.456
<i>Gymnocladus dioica</i> (L.) K. Koch	Kentucky coffeetree	9.1	28.589	55	83.589
<i>Ilex opaca</i> Ait.	American holly	16.5	51.836	46	97.836
<i>Juglans nigra</i> L.	Black walnut	40.7	127.863	73	200.863
<i>Juniperus virginiana</i> L.	Eastern redcedar	17.9	56.235	57	113.235
<i>Liquidambar styraciflua</i> L.	Sweetgum	22.7	71.314	95	166.314
<i>Maclura pomifera</i> (Raf.) Schneid.	Osage-orange	34.0	106.814	38	144.814
<i>Morus rubra</i> L.	Red mulberry	18.6	58.434	48	106.434
<i>Nyssa sylvatica</i> Marsh.	Blackgum	26.5	83.252	91	174.252
<i>Ostrya virginiana</i> (Mill.) K. Koch	Eastern hophornbeam	8.3	26.075	42	68.075
<i>Pinus echinata</i> Mill.	Shortleaf pine	22.3	70.058	95	165.058
<i>Pinus taeda</i> L.	Loblolly pine	26.9	84.509	115	199.509
<i>Planera aquatica</i> J.F. Gmel.	Water-elm	14.3	44.925	28	72.925
<i>Platanus occidentalis</i> L.	American sycamore	42.3	132.890	128	260.890
<i>Populus deltoides</i> Bartr. ex Marsh.	Eastern cottonwood	46.4	145.770	95	240.770
<i>Prunus serotina</i> Ehrh.	Black cherry	15.1	47.438	64	111.438
<i>Prunus</i> spp. L.	Plum and cherries	9.0	28.274	52	80.274
<i>Quercus alba</i> L.	White oak	38.8	121.894	99	220.894
<i>Quercus falcata</i> Michx.	Southern red oak	20.7	65.031	103	168.031
<i>Quercus falcata</i> var. <i>pagodifolia</i> Ell.	Cherrybark oak	22.3	70.058	95	165.058
<i>Quercus hyrata</i> Walt.	Overcup oak	17.1	53.721	96	149.721
<i>Quercus macrocarpa</i> Michx.	Bur oak	21.4	67.230	79	146.230
<i>Quercus marilandica</i> Muenchh.	Blackjack oak	22.1	69.429	65	134.429
<i>Quercus muehlenbergii</i> Engelm.	Chinkapin oak	25.3	79.482	74	153.482
<i>Quercus nigra</i> L.	Water oak	40.3	126.606	70	196.606
<i>Quercus nuttallii</i> Palmer	Nuttall oak	29.0	91.106	94	185.106
<i>Quercus palustris</i> Muenchh.	Pin oak	23.1	72.571	127	199.571
<i>Quercus phellos</i> L.	Willow oak	25.2	79.168	99	178.168
<i>Quercus rubra</i> L.	Northern red oak	30.4	95.505	84	179.505
<i>Quercus shumardii</i> Buckl.	Shumard oak	37.2	116.868	95	211.868
<i>Quercus stellata</i> Wangenh.	Post oak	26.9	84.509	65	149.509
<i>Quercus velutina</i> Lam.	Black oak	28.4	89.221	78	167.221
<i>Robinia pseudoacacia</i> L.	Black locust	7.8	24.504	49	73.504
<i>Salix</i> spp. L.	Willow	20.9	65.659	76	141.659
<i>Sassafras albidum</i> (Nutt.) Nees	Sassafras	10.0	31.416	72	103.416
<i>Taxodium distichum</i> (L.) Rich.	Baldcypress	18.1	56.863	60	116.863
<i>Tilia heterophylla</i> Vent.	White basswood	12.8	40.212	51	91.212
<i>Ulmus alata</i> Michx.	Winged elm	35.2	110.584	57	167.584
<i>Ulmus americana</i> L.	American elm	34.4	108.071	61	169.071
<i>Ulmus crassifolia</i> Nutt.	Cedar elm	26.9	84.509	64	148.509
<i>Ulmus rubra</i> Muhl.	Slippery elm	19.6	61.575	69	130.575

¹One point awarded for each inch in circumference and foot in height.

Table 6 – Tennessee big trees by species, 1989

Scientific name	Common name	Diameter	Circumference	Height	Points ¹
		----- inches -----		- feet -	
<i>Acer barbatum</i> Michx.	Florida Maple	21.2	66.602	71	137.602
<i>Acer negundo</i> L.	Boxelder	30.8	96.761	78	174.761
<i>Acer nigrum</i> Michx. f.	Black maple	27.0	84.823	80	164.823
<i>Acer rubrum</i> L.	Red maple	38.4	120.637	109	229.637
<i>Acer saccharinum</i> L.	Silver maple	24.4	76.655	105	181.655
<i>Acer saccharum</i> Marsh.	Sugar maple	41.7	131.005	110	241.005
<i>Aesculus glabra</i> Willd.	Ohio buckeye	17.5	54.978	78	132.978
<i>Aesculus octandra</i> Marsh.	Yellow buckeye	28.2	88.593	101	189.593
<i>Ailanthus altissima</i> (Mill.) Swingle	Tree-of-heaven	14.5	45.553	109	154.553
<i>Amelanchier</i> spp. Medic.	Serviceberry	7.1	22.305	50	72.305
<i>Betula alleghaniensis</i> Britton	Yellow birch	33.9	106.500	61	167.500
<i>Betula lenta</i> L.	Sweet birch	30.3	95.190	79	174.190
<i>Betula nigra</i> L.	River birch	26.5	83.252	99	182.252
<i>Carpinus caroliniana</i> Walt.	American hornbeam	9.2	28.903	71	99.903
<i>Carya aquatica</i> (Michx. f.) Nutt.	Water hickory	18.8	59.062	94	153.062
<i>Carya illinoensis</i> (Wangenh.) K. Koch	Pecan	33.3	104.615	118	222.615
<i>Carya</i> spp. Nutt.	Hickory	39.6	124.407	114	238.407
<i>Catalpa</i> spp. Scop.	Catalpa	22.5	70.686	54	124.686
<i>Celtis laevigata</i> Willd.	Sugarberry	35.2	110.584	77	187.584
<i>Celtis occidentalis</i> L.	Hackberry	29.0	91.106	94	185.106
<i>Cercis canadensis</i> L.	Eastern redbud	5.7	17.907	84	101.907
<i>Cornus florida</i> L.	Flowering dogwood	12.1	38.013	86	124.013
<i>Cotinus obovatus</i> Raf.	American smoketree	13.8	43.354	37	80.354
<i>Crataegus</i> spp. L.	Hawthorn	5.2	16.336	24	40.336
<i>Diospyros virginiana</i> L.	Common persimmon	19.3	60.633	95	155.633
<i>Fagus grandifolia</i> Ehrh.	American beech	45.1	141.686	107	248.686
<i>Fraxinus americana</i> L.	White ash	35.3	110.898	144	254.898
<i>Fraxinus pennsylvanica</i> Marsh.	Green ash	26.0	81.682	103	184.682
<i>Fraxinus quadrangulata</i> Michx.	Blue ash	22.0	69.115	66	135.115
<i>Gleditsia aquatica</i> Marsh.	Waterlocust	23.3	73.199	84	157.199
<i>Gleditsia triacanthos</i> L.	Honeylocust	15.7	49.323	96	145.323
<i>Gymnocladus dioica</i> (L.) K. Koch	Kentucky coffeetree	14.9	46.810	75	121.810
<i>Halesia carolina</i> L.	Mountain silverbell	16.4	51.522	105	156.522
<i>Ilex opaca</i> Ait.	American holly	18.9	59.376	64	123.376
<i>Juglans cinerea</i> L.	Butternut	16.0	50.266	78	128.266
<i>Juglans nigra</i> L.	Black walnut	30.5	95.819	85	180.819
<i>Juniperus virginiana</i> L.	Eastern redcedar	26.0	81.682	67	148.682
<i>Liquidambar styraciflua</i> L.	Sweetgum	24.7	77.598	145	222.598
<i>Liriodendron tulipifera</i> L.	Yellow-poplar	46.1	144.828	113	257.828
<i>Maclura pomifera</i> (Raf.) Schneid.	Osage-orange	37.4	117.496	53	170.496
<i>Magnolia acuminata</i> L.	Cucumber tree	20.9	65.659	105	170.659
<i>Magnolia grandiflora</i> L.	Southern magnolia	19.1	60.005	44	104.005
<i>Magnolia macrophylla</i> Michx.	Bigleaf magnolia	15.4	48.381	90	138.381
<i>Magnolia virginiana</i> L.	Sweetbay	10.2	32.044	65	97.044
<i>Malus</i> spp. Mill.	Apple	7.4	23.248	35	58.248
<i>Morus alba</i> L.	White mulberry	14.7	46.182	74	120.182
<i>Morus rubra</i> L.	Red mulberry	16.9	53.093	55	108.093
<i>Nyssa aquatica</i> L.	Water tupelo	14.6	45.867	100	145.867
<i>Nyssa sylvatica</i> Marsh.	Blackgum	30.0	94.248	102	196.248
<i>Ostrya virginiana</i> (Mill.) K. Koch	Eastern hophornbeam	19.4	60.947	99	159.947
<i>Oxydendrum arboreum</i> (L.) DC.	Sourwood	11.8	37.071	97	134.071
<i>Paulownia tomentosa</i> (Thunb.) Sieb. & Zucc.	Royal paulownia	22.1	69.429	92	161.429
<i>Pinus echinata</i> Mill.	Shortleaf pine	26.2	82.310	125	207.310
<i>Pinus pungens</i> Lamb.	Table Mountain pine	15.5	48.695	77	125.695
<i>Pinus rigida</i> Mill.	Pitch pine	21.6	67.859	91	158.859
<i>Pinus strobus</i> L.	Eastern white pine	33.7	105.872	125	230.872
<i>Pinus taeda</i> L.	Loblolly pine	20.0	62.832	104	166.832
<i>Pinus virginiana</i> Mill.	Virginia pine	25.4	79.797	80	159.797
<i>Planera aquatica</i> J.F. Gmel.	Water-elm	21.8	68.487	54	122.487
<i>Platanus occidentalis</i> L.	American sycamore	65.9	207.031	140	347.031
<i>Populus deltoides</i> Bartt. ex Marsh.	Eastern cottonwood	42.8	134.460	110	244.460
<i>Prunus serotina</i> Ehrh.	Black cherry	26.6	83.567	108	191.567
<i>Quercus alba</i> L.	White oak	56.2	176.558	96	272.558
<i>Quercus bicolor</i> Willd.	Swamp white oak	14.4	45.239	82	127.239
<i>Quercus coccinea</i> Muenchh.	Scarlet oak	42.0	131.947	120	251.947
<i>Quercus falcata</i> Michx.	Southern red oak	51.5	161.792	104	265.792
<i>Quercus falcata</i> var. <i>pagodifolia</i> Ell.	Cherrybark oak	37.1	116.553	142	258.553
<i>Quercus imbricaria</i> Michx.	Shingle oak	19.5	61.261	70	131.261

Table 6 – Tennessee big trees by species, 1989 - Continued

Scientific name	Common name	Diameter	Circumference	Height	Points ¹
		----- inches -----		- feet -	
<i>Quercus lyrata</i> Walt.	Overcup oak	35.2	110.584	105	215.584
<i>Quercus macrocarpa</i> Michx.	Bur oak	28.5	89.536	91	180.536
<i>Quercus marilandica</i> Muenchh.	Blackjack oak	12.7	39.898	88	127.898
<i>Quercus michauxii</i> Nutt.	Swamp chestnut oak	39.1	122.837	95	217.837
<i>Quercus muehlenbergii</i> Engelm.	Chinkapin oak	25.7	80.739	120	200.739
<i>Quercus nigra</i> L.	Water oak	35.1	110.270	110	220.270
<i>Quercus nuxallii</i> Palmer	Nuttall oak	21.4	67.230	104	171.230
<i>Quercus palustris</i> Muenchh.	Pin oak	36.9	115.925	137	252.925
<i>Quercus phellos</i> L.	Willow oak	35.9	112.783	133	245.783
<i>Quercus prinus</i> L.	Chestnut oak	42.8	134.460	116	250.460
<i>Quercus rubra</i> L.	Northern red oak	48.4	152.053	124	276.053
<i>Quercus shumardii</i> Buckl.	Shumard oak	37.1	116.553	93	209.553
<i>Quercus stellata</i> Wangenh.	Post oak	25.2	79.168	98	177.168
<i>Quercus stellata</i> var. <i>paludosa</i> Sarg.	Delta post oak	10.7	33.615	62	95.615
<i>Quercus velutina</i> Lam.	Black oak	32.7	102.730	102	204.730
<i>Quercus virginiana</i> Mill.	Live oak	10.8	33.929	55	88.929
<i>Robinia pseudouacacia</i> L.	Black locust	23.1	72.571	130	202.571
<i>Salix</i> spp. L.	Willow	33.1	103.987	107	210.987
<i>Sassafras albidum</i> (Nutt.) Nees	Sassafras	19.1	60.005	110	170.005
<i>Taxodium distichum</i> (L.) Rich.	Baldcypress	48.5	152.368	128	280.368
<i>Tilia americana</i> L.	American basswood	25.4	79.797	126	205.797
<i>Tilia heterophylla</i> Vent.	White basswood	24.2	76.027	90	166.027
<i>Tsuga canadensis</i> (L.) Carr.	Eastern hemlock	29.6	92.991	110	202.991
<i>Ulmus alata</i> Michx.	Winged elm	27.6	86.708	78	164.708
<i>Ulmus americana</i> L.	American elm	36.2	113.726	130	243.726
<i>Ulmus pumila</i> L.	Siberian elm	11.6	36.443	53	89.443
<i>Ulmus rubra</i> Muhl.	Slippery elm	31.6	99.275	125	224.275
<i>Ulmus serotina</i> Sarg.	September elm	14.1	44.297	54	98.297
<i>Ulmus thomasii</i> Sarg.	Rock elm	22.8	71.628	67	138.628

¹One point awarded for each inch in circumference and foot in height.

Table 7 – Texas big trees by species, 1986

Scientific name	Common name	Diameter	Circumference	Height	Points ¹
		----- inches -----		- feet -	
<i>Acer barbatum</i> Michx.	Florida maple	22.8	71.628	70	141.628
<i>Acer negundo</i> L.	Boxelder	20.6	64.717	55	119.717
<i>Acer rubrum</i> L.	Red maple	24.6	77.283	93	170.283
<i>Acer saccharinum</i> L.	Silver maple	14.9	46.810	68	114.810
<i>Acer saccharum</i> Marsh.	Sugar maple	10.1	31.730	70	101.730
<i>Betula nigra</i> L.	River birch	24.8	77.912	84	161.912
<i>Bumelia</i> spp. Sw.	Gum bumelia	17.7	55.606	77	132.606
<i>Carpinus caroliniana</i> Walt.	American hornbeam	9.4	29.531	69	98.531
<i>Carya aquatica</i> (Michx. f.) Nutt.	Water hickory	34.9	109.642	118	227.642
<i>Carya illinoensis</i> (Wangenh.) K. Koch	Pecan	25.1	78.854	99	177.854
<i>Carya</i> spp. Nutt.	Hickory	28.2	88.593	122	210.593
<i>Castanea</i> spp. Mill.	Chinkapin	8.6	27.018	43	70.018
<i>Catalpa</i> spp. Scop.	Catalpa	7.1	22.305	33	55.305
<i>Celtis laevigata</i> Willd.	Sugarberry	25.4	79.797	119	198.797
<i>Celtis occidentalis</i> L.	Hackberry	7.4	23.248	35	58.248
<i>Cercis canadensis</i> L.	Eastern redbud	24.7	77.598	69	146.598
<i>Cornus florida</i> L.	Flowering dogwood	9.2	28.903	40	68.903
<i>Crataegus</i> spp. L.	Hawthorn	11.7	36.757	45	81.757
<i>Diospyros virginiana</i> L.	Common persimmon	19.6	61.575	88	149.575
<i>Fagus grandifolia</i> Ehrh.	American beech	37.0	116.239	122	238.239
<i>Fraxinus americana</i> L.	White ash	40.9	128.491	78	206.491
<i>Fraxinus pennsylvanica</i> Marsh.	Green ash	45.4	142.629	78	220.629
<i>Gleditsia aquatica</i> Marsh.	Waterlocust	22.6	71.000	81	152.000
<i>Gleditsia triacanthos</i> L.	Honeylocust	24.2	76.027	109	185.027
<i>Ilex opaca</i> Ait.	American holly	19.9	62.518	68	130.518

Table 7 – Texas big trees by species, 1986 - Continued

Scientific name	Common name	Diameter	Circumference	Height	Points ¹
		----- inches -----		- feet -	
<i>Juglans nigra</i> L.	Black walnut	36.4	114.354	77	191.354
<i>Juniperus virginiana</i> L.	Eastern redcedar	22.2	69.744	60	129.744
<i>Liquidambar styraciflua</i> L.	Sweetgum	48.2	151.425	104	255.425
<i>Maclura pomifera</i> (Raf.) Schneid.	Osage-orange	15.8	49.637	66	115.637
<i>Magnolia grandiflora</i> L.	Southern magnolia	29.8	93.620	82	175.620
<i>Magnolia virginiana</i> L.	Sweetbay	22.7	71.314	91	162.314
<i>Melia azedarach</i> L.	Chinaberry	11.1	34.872	46	80.872
<i>Morus rubra</i> L.	Red mulberry	17.7	55.606	61	116.606
<i>Nyssa aquatica</i> L.	Water tupelo	30.4	95.505	99	194.505
<i>Nyssa sylvatica</i> Marsh.	Blackgum	33.5	105.244	110	215.244
<i>Ostrya virginiana</i> (Mill.) K. Koch	Eastern hophornbeam	11.8	37.071	62	99.071
<i>Oxydendrum arboreum</i> (L.) DC.	Sourwood	8.5	26.704	49	75.704
<i>Persea borbonia</i> (L.) Spreng.	Redbay	17.2	54.036	31	85.036
<i>Pinus echinata</i> Mill.	Shortleaf pine	22.5	70.686	117	187.686
<i>Pinus elliotii</i> Engelm.	Slash pine	22.3	70.058	98	168.058
<i>Pinus palustris</i> Mill.	Longleaf pine	20.4	64.089	91	155.089
<i>Pinus taeda</i> L.	Loblolly pine	32.6	102.416	132	234.416
<i>Planera aquatica</i> J.F. Gmel.	Water-elm	25.7	80.739	44	124.739
<i>Platanus occidentalis</i> L.	American sycamore	28.0	87.965	128	215.965
<i>Populus deltoides</i> Bartr. ex Marsh.	Eastern cottonwood	32.0	100.531	110	210.531
<i>Prunus serotina</i> Ehrh.	Black cherry	17.4	54.664	61	115.664
<i>Prunus</i> spp. L.	Plum and cherries	11.3	35.500	61	96.500
<i>Quercus alba</i> L.	White oak	40.5	127.235	102	229.235
<i>Quercus bicolor</i> Willd.	Swamp white oak	9.8	30.788	73	103.788
<i>Quercus falcata</i> Michx.	Southern red oak	54.4	170.903	79	249.903
<i>Quercus falcata</i> var. <i>pagodifolia</i> Eil.	Cherrybark oak	39.8	125.036	140	265.036
<i>Quercus incana</i> Bartr.	Bluejack oak	18.2	57.177	60	117.177
<i>Quercus laurifolia</i> Michx.	Laurel oak	33.1	103.987	99	202.987
<i>Quercus lyrata</i> Walt.	Overcup oak	51.1	160.536	114	274.536
<i>Quercus macrocarpa</i> Michx.	Bur oak	18.8	59.062	66	125.062
<i>Quercus marilandica</i> Muenchh.	Blackjack oak	24.7	77.598	62	139.598
<i>Quercus michauxii</i> Nutt.	Swamp chestnut oak	42.4	133.204	96	229.204
<i>Quercus muehlenbergii</i> Engelm.	Chinkapin oak	11.7	36.757	44	80.757
<i>Quercus nigra</i> L.	Water oak	47.3	148.598	103	251.598
<i>Quercus nuttallii</i> Palmer	Nuttall oak	26.7	83.881	125	208.881
<i>Quercus phellos</i> L.	Willow oak	39.8	125.036	114	239.036
<i>Quercus shumardii</i> Buckl.	Shumard oak	38.9	122.208	99	221.208
<i>Quercus stellata</i> Wangenh.	Post oak	41.1	129.120	65	194.120
<i>Quercus velutina</i> Lam.	Black oak	35.6	111.841	94	205.841
<i>Quercus virginiana</i> Mill.	Live oak	15.1	47.438	63	110.438
<i>Salix</i> spp. L.	Willow	30.3	95.190	95	190.190
<i>Sassafras albidum</i> (Nutt.) Nees	Sassafras	15.7	49.323	60	109.323
<i>Taxodium distichum</i> (L.) Rich.	Baldcypress	26.6	83.567	117	200.567
<i>Tilia americana</i> L.	American basswood	16.9	53.093	89	142.093
<i>Ulmus alata</i> Michx.	Winged elm	26.0	81.682	81	162.682
<i>Ulmus americana</i> L.	American elm	58.5	183.784	87	270.784
<i>Ulmus crassifolia</i> Nutt.	Cedar elm	30.0	94.248	75	169.248
<i>Ulmus rubra</i> Muhl.	Slippery elm	33.6	105.558	64	169.558
<i>Vaccinium arboreum</i> Marsh.	Sparkleberry	14.6	45.867	40	85.867

¹One point awarded for each inch in circumference and foot in height.

Table 8 – Big trees of the Midsouth by species, 1982-89

State	Scientific name	Common name	Diameter	Circumference	Height	Points ¹
			----- inches -----		----- feet -----	
Louisiana	<i>Acer barbatum</i> Michx.	Florida maple	21.8	68.487	90	158.487
Tennessee	<i>Acer negundo</i> L.	Boxelder	30.8	96.761	78	174.761
Tennessee	<i>Acer nigrum</i> Michx. f.	Black maple	27.0	84.823	80	164.823
Tennessee	<i>Acer rubrum</i> L.	Red maple	38.4	120.637	109	229.637
Oklahoma	<i>Acer saccharinum</i> L.	Silver maple	41.8	131.319	90	221.319
Tennessee	<i>Acer saccharum</i> Marsh.	Sugar maple	41.7	131.005	110	241.005
Tennessee	<i>Aesculus glabra</i> Willd.	Ohio buckeye	17.5	54.978	78	132.978
Tennessee	<i>Aesculus octandra</i> Marsh.	Yellow buckeye	28.2	88.593	101	189.593
Mississippi	<i>Aesculus</i> spp. L.	Other buckeyes	5.7	17.907	20	37.907
Tennessee	<i>Ailanthus altissima</i> (Mill.) Swingle	Tree-of-heaven	14.5	45.553	109	154.553
Arkansas	<i>Amelanchier</i> spp. Medic.	Serviceberry	10.2	32.044	42	74.044
Tennessee	<i>Betula alleghaniensis</i> Britton	Yellow birch	33.9	106.500	61	167.500
Tennessee	<i>Betula lenta</i> L.	Sweet birch	30.3	95.190	79	174.190
Tennessee	<i>Betula nigra</i> L.	River birch	26.5	83.252	99	182.252
Texas	<i>Bumelia</i> spp. Sw.	Gum bumelia	17.7	55.606	77	132.606
Mississippi	<i>Carpinus caroliniana</i> Walt.	American hornbeam	21.6	67.859	75	142.859
Louisiana	<i>Carya aquatica</i> (Michx. f.) Nutt.	Water hickory	39.1	122.837	148	270.837
Mississippi	<i>Carya illinoensis</i> (Wangenh.) K. Koch	Pecan	50.2	157.708	125	282.708
Mississippi	<i>Carya</i> spp. Nutt.	Hickory	41.0	128.806	116	244.806
Arkansas	<i>Castanea dentata</i> (Marsh.) Borkh.	American chestnut	8.4	26.389	61	87.389
Texas	<i>Castanea</i> spp. Mill.	Chinkapin	8.6	27.018	43	70.018
Mississippi	<i>Catalpa</i> spp. Scop.	Catalpa	23.8	74.770	55	129.770
Louisiana	<i>Celtis laevigata</i> Willd.	Sugarberry	53.1	166.819	54	220.819
Arkansas	<i>Celtis occidentalis</i> L.	Hackberry	29.9	93.934	104	197.934
Texas	<i>Cercis canadensis</i> L.	Eastern redbud	24.7	77.598	69	146.598
Alabama	<i>Chamaecyparis thuyoides</i> (L.) B.S.P.	Atlantic white-cedar	18.2	57.177	102	159.177
Tennessee	<i>Cornus florida</i> L.	Flowering dogwood	12.1	38.013	86	124.013
Alabama	<i>Cotinus obovatus</i> Raf.	American smoketree	8.4	26.389	65	91.389
Texas	<i>Craegus</i> spp. L.	Hawthorn	11.7	36.757	45	81.757
Mississippi	<i>Diospyros virginiana</i> L.	Common persimmon	19.4	60.947	101	161.947
Tennessee	<i>Fagus grandifolia</i> Ehrh.	American beech	45.1	141.686	107	248.686
Tennessee	<i>Fraxinus americana</i> L.	White ash	35.3	110.898	144	254.898
Alabama	<i>Fraxinus pennsylvanica</i> Marsh.	Green ash	43.7	137.288	116	253.288
Arkansas	<i>Fraxinus profunda</i> (Bush) Bush	Pumpkin ash	14.8	46.496	80	126.496
Tennessee	<i>Fraxinus quadrangulata</i> Michx.	Blue ash	22.0	69.115	66	135.115
Arkansas	<i>Gleditsia aquatica</i> Marsh.	Waterlocust	27.9	87.651	85	172.651
Louisiana	<i>Gleditsia triacanthos</i> L.	Honeylocust	35.7	112.155	100	212.155
Tennessee	<i>Gymnocladus dioicus</i> (L.) K. Koch	Kentucky coffeetree	14.9	46.810	75	121.810
Tennessee	<i>Halesia carolina</i> L.	Mountain silverbell	16.4	51.522	105	156.522
Mississippi	<i>Ilex opaca</i> Ait.	American holly	25.4	79.797	88	167.797
Alabama	<i>Juglans cinerea</i> L.	Butternut	15.9	49.951	90	139.951
Oklahoma	<i>Juglans nigra</i> L.	Black walnut	40.7	127.863	73	200.863
Louisiana	<i>Juniperus virginiana</i> L.	Eastern redcedar	28.7	90.164	68	158.164
Mississippi	<i>Liquidambar styraciflua</i> L.	Sweetgum	53.9	169.332	138	307.332
Alabama	<i>Liriodendron tulipifera</i> L.	Yellow-poplar	49.3	154.881	108	262.881
Mississippi	<i>Maclura pomifera</i> (Raf.) Schneid.	Osage-orange	42.3	132.890	57	189.890
Mississippi	<i>Magnolia accuminata</i> L.	Cucumbertree	25.9	81.367	116	197.367
Mississippi	<i>Magnolia grandiflora</i> L.	Southern magnolia	33.0	103.673	105	208.673
Alabama	<i>Magnolia macrophylla</i> Michx.	Bigleaf magnolia	17.6	55.292	85	140.292
Mississippi	<i>Magnolia virginiana</i> L.	Sweetbay	31.1	97.704	83	180.704
Tennessee	<i>Malus</i> spp. Mill.	Apple	7.4	23.248	35	58.248
Mississippi	<i>Melia azedarach</i> L.	Chinaberry	11.5	36.128	75	111.128
Mississippi	<i>Morus alba</i> L.	White mulberry	14.1	44.297	82	126.297
Mississippi	<i>Morus rubra</i> L.	Red mulberry	16.0	50.266	91	141.266
Arkansas	<i>Nyssa aquatica</i> L.	Water tupelo	43.4	136.345	78	214.345
Mississippi	<i>Nyssa sylvatica</i> Marsh.	Blackgum	35.9	112.783	114	226.783
Arkansas	<i>Nyssa sylvatica</i> var. <i>biflora</i> (Walt.) Surg.	Swamp tupelo	48.5	152.368	67	219.368
Tennessee	<i>Ostrya virginiana</i> (Mill.) K. Koch	Eastern hophornbeam	19.4	60.947	99	159.947
Tennessee	<i>Oxydendrum arborescens</i> (L.) DC.	Sourwood	11.8	37.071	97	134.071

Table 8—Big trees of the Midsouth by species, 1982-89 - Continued

State	Scientific name	Common name	Diameter	Circumference	Height	Points ¹
			----- inches -----			----- feet -----
Tennessee	<i>Paulownia tomentosa</i> (Thunb.) Sieb. & Zucc.	Royal paulownia	22.1	69.429	92	161.429
Alabama	<i>Persea borbonia</i> (L.) Spreng.	Redbay	15.9	49.951	77	126.951
Tennessee	<i>Pinus echinata</i> Mill.	Shortleaf pine	26.2	82.310	125	207.310
Alabama	<i>Pinus elliotii</i> Engelm.	Slash pine	25.7	80.739	111	191.739
Louisiana	<i>Pinus glabra</i> Walt.	Spruce pine	33.7	105.872	120	225.872
Louisiana	<i>Pinus palustris</i> Mill.	Longleaf pine	31.6	99.275	99	198.275
Tennessee	<i>Pinus pungens</i> Lamb.	Table Mountain pine	15.5	48.695	77	125.695
Tennessee	<i>Pinus rigida</i> Mill.	Pitch pine	21.6	67.859	91	158.859
Tennessee	<i>Pinus strobus</i> L.	Eastern white pine	33.7	105.872	125	230.872
Mississippi	<i>Pinus taeda</i> L.	Loblolly pine	38.0	119.381	123	242.381
Alabama	<i>Pinus virginiana</i> Mill.	Virginia pine	20.2	63.460	102	165.460
Louisiana	<i>Planera aquatica</i> J.F. Gmel.	Water-elm	27.2	85.452	45	130.452
Tennessee	<i>Platanus occidentalis</i> L.	American sycamore	65.9	207.031	140	347.031
Arkansas	<i>Populus deltoides</i> Bartr. ex Marsh.	Eastern cottonwood	51.7	162.421	131	293.421
Alabama	<i>Prunus serotina</i> Ehrh.	Black cherry	23.2	72.885	123	195.885
Texas	<i>Prunus</i> spp. L.	Plum and cherries	11.3	35.500	61	96.500
Tennessee	<i>Quercus alba</i> L.	White oak	56.2	176.558	96	272.558
Arkansas	<i>Quercus bicolor</i> Willd.	Swamp white oak	25.5	80.111	102	182.111
Tennessee	<i>Quercus coccinea</i> Muenchh.	Scarlet oak	42.0	131.947	120	251.947
Alabama	<i>Quercus durandii</i> Buckl.	Durand oak	26.3	82.624	75	157.624
Tennessee	<i>Quercus falcata</i> Michx.	Southern red oak	51.5	161.792	104	265.792
Mississippi	<i>Quercus falcata</i> var. <i>pagodifolia</i> Ell.	Cherrybark oak	45.2	142.000	135	277.000
Tennessee	<i>Quercus imbricaria</i> Michx.	Shingle oak	19.5	61.261	70	131.261
Louisiana	<i>Quercus incana</i> Bartr.	Bluejack oak	15.0	47.124	72	119.124
Arkansas	<i>Quercus laevis</i> Walt.	Turkey oak	17.2	54.036	59	113.036
Mississippi	<i>Quercus laurifolia</i> Michx.	Laurel oak	38.3	120.323	122	242.323
Texas	<i>Quercus lyrata</i> Walt.	Overcup oak	51.1	160.536	114	274.536
Tennessee	<i>Quercus macrocarpa</i> Michx.	Bur oak	28.5	89.536	91	180.536
Arkansas	<i>Quercus marilandica</i> Muenchh.	Blackjack oak	26.3	82.624	62	144.624
Mississippi	<i>Quercus michauxii</i> Nutt.	Swamp chestnut oak	47.7	149.854	100	249.854
Tennessee	<i>Quercus muehlenbergii</i> Engelm.	Chinkapin oak	25.7	80.739	120	200.739
Louisiana	<i>Quercus nigra</i> L.	Water oak	61.1	191.952	113	304.952
Louisiana	<i>Quercus nuttallii</i> Palmer	Nuttall oak	47.8	150.168	128	278.168
Tennessee	<i>Quercus palustris</i> Muenchh.	Pin oak	36.9	115.925	137	252.925
Arkansas	<i>Quercus phellos</i> L.	Willow oak	58.7	184.412	96	280.412
Tennessee	<i>Quercus prinus</i> L.	Chestnut oak	42.8	134.460	116	250.460
Tennessee	<i>Quercus rubra</i> L.	Northern red oak	48.4	152.053	124	276.053
Mississippi	<i>Quercus shumardii</i> Buckl.	Shumard oak	46.3	145.456	93	238.456
Mississippi	<i>Quercus stellata</i> Wangenh.	Post oak	43.2	135.717	90	225.717
Arkansas	<i>Quercus stellata</i> var. <i>paludosa</i> Sarg.	Deita post oak	21.5	67.544	103	170.544
Arkansas	<i>Quercus velutina</i> Lam.	Black oak	52.4	164.620	100	264.620
Louisiana	<i>Quercus virginiana</i> Mill.	Live oak	68.5	215.200	70	285.200
Tennessee	<i>Robinia pseudoacacia</i> L.	Black locust	23.1	72.571	130	202.571
Louisiana	<i>Salix</i> spp. L.	Willow	35.9	112.783	123	235.783
Mississippi	<i>Sassafras albidum</i> (Nutt.) Nees	Sassafras	31.6	99.275	106	205.275
Arkansas	<i>Taxodium distichum</i> (L.) Rich.	Baldcypress	82.3	258.554	120	378.554
Tennessee	<i>Tilia americana</i> L.	American basswood	25.4	79.797	126	205.797
Mississippi	<i>Tilia heterophylla</i> Vent.	White basswood	27.1	85.137	120	205.137
Tennessee	<i>Tsuga canadensis</i> (L.) Carr.	Eastern hemlock	29.6	92.991	110	202.991
Mississippi	<i>Ulmus alata</i> Michx.	Winged elm	24.4	76.655	103	179.655
Texas	<i>Ulmus americana</i> L.	American elm	58.5	183.784	87	270.784
Louisiana	<i>Ulmus crassifolia</i> Nutt.	Cedar elm	33.5	105.244	109	214.244
Texas	<i>Ulmus pumila</i> L.	Siberian elm	16.0	50.266	65	115.266
Arkansas	<i>Ulmus rubra</i> Muhl.	Slippery elm	32.1	100.845	128	228.845
Arkansas	<i>Ulmus serotina</i> Sarg.	September elm	20.7	65.031	74	139.031
Tennessee	<i>Ulmus thomasi</i> Sarg.	Rock elm	22.8	71.628	67	138.628
Mississippi	<i>Vaccinium arboreum</i> Marsh.	Sparkleberry	10.3	32.358	64	96.358

¹One point awarded for each inch in circumference and foot in height.

Table 9 – Top 10 ranking trees with the highest scores for each species, Alabama 1982

Scientific name	Common name	Diameter	Circumference	Height	Points ¹
		----- inches -----		- feet -	
<i>Carya</i> spp. Nutt.	Hickory	34.3	107.757	120	227.757
<i>Pinus waeda</i> L.	Loblolly pine	31.8	99.903	130	229.903
<i>Platanus occidentalis</i> L.	American sycamore	44.5	139.801	92	231.801
<i>Quercus rubra</i> L.	Northern red oak	43.3	136.031	98	234.031
<i>Liquidambar styraciflua</i> L.	Sweetgum	37.2	116.868	119	235.868
<i>Quercus phellos</i> L.	Willow oak	43.0	135.089	101	236.089
<i>Fraxinus pennsylvanica</i> Marsh.	Green ash	43.7	137.288	116	253.288
<i>Liriodendron tulipifera</i> L.	Yellow-poplar	49.3	154.881	108	262.881
<i>Taxodium distichum</i> (L.) Rich.	Baldcypress	51.5	161.792	105	266.792
<i>Quercus falcata</i> var. <i>pagodifolia</i> Ell.	Cherrybark oak	50.5	158.651	116	274.651

¹One point awarded for each inch in circumference and foot in height.

Table 10 – Top 10 ranking trees with the highest scores for each species, Arkansas 1988

Scientific name	Common name	Diameter	Circumference	Height	Points ¹
		----- inches -----		- feet -	
<i>Quercus falcata</i> var. <i>pagodifolia</i> Ell.	Cherrybark oak	36.5	114.668	130	244.668
<i>Liriodendron tulipifera</i> L.	Yellow-poplar	41.3	129.748	122	251.748
<i>Carya aquatica</i> (Michx. f.) Nutt.	Water hickory	36.7	115.297	138	253.297
<i>Quercus nuttallii</i> Palmer	Nuttall oak	41.1	129.120	125	254.120
<i>Liquidambar styraciflua</i> L.	Sweetgum	43.8	137.602	120	257.602
<i>Quercus velutina</i> Lam.	Black oak	52.4	164.620	100	264.620
<i>Quercus phellos</i> L.	Willow oak	58.7	184.412	96	280.412
<i>Populus deltoides</i> Bartr. ex Marsh.	Eastern cottonwood	51.7	162.421	131	293.421
<i>Platanus occidentalis</i> L.	American sycamore	58.7	184.412	127	311.412
<i>Taxodium distichum</i> (L.) Rich.	Baldcypress	82.3	258.554	120	378.554

¹One point awarded for each inch in circumference and foot in height.

Table 11 – Top 10 ranking trees with the highest scores for each species, Louisiana 1984

Scientific name	Common name	Diameter	Circumference	Height	Points ¹
		----- inches -----		- feet -	
<i>Carya illinoensis</i> (Wangenh.) K.Koch	Pecan	44.8	140.744	101	241.744
<i>Liquidambar styraciflua</i> L.	Sweetgum	44.1	138.545	105	243.545
<i>Quercus phellos</i> L.	Willow oak	46.8	147.027	105	252.027
<i>Quercus falcata</i> var. <i>pagodifolia</i> Ell.	Cherrybark oak	46.5	146.084	111	257.084
<i>Carya aquatica</i> (Michx. f.) Nutt.	Water hickory	39.1	122.837	148	270.837
<i>Populus deltoides</i> Bartr. ex Marsh.	Eastern cottonwood	41.3	129.748	148	277.748
<i>Quercus nuttallii</i> Palmer	Nuttall oak	47.8	150.168	128	278.168
<i>Quercus virginiana</i> Mill.	Live oak	68.5	215.200	70	285.200
<i>Quercus nigra</i> L.	Water oak	61.1	191.952	113	304.952
<i>Taxodium distichum</i> (L.) Rich.	Baldcypress	66.1	207.660	115	322.660

¹One point awarded for each inch in circumference and foot in height.

Table 12 – Top 10 ranking trees with the highest scores for each species, Mississippi 1987

Scientific name	Common name	Diameter	Circumference	Height	Points ¹
		----- inches -----		- feet -	
<i>Quercus michauxii</i> Nutt.	Swamp chestnut oak	47.7	149.854	100	249.854
<i>Quercus nuttallii</i> Palmer	Nuttall oak	44.7	140.430	125	265.430
<i>Quercus nigra</i> L.	Water oak	47.0	147.655	120	267.655
<i>Platanus occidentalis</i> L.	American sycamore	59.7	187.554	85	272.554
<i>Quercus phellos</i> L.	Willow oak	52.6	165.248	108	273.248
<i>Quercus falcata</i> var. <i>pagodifolia</i> Ell.	Cherrybark oak	45.2	142.000	135	277.000
<i>Populus deltoides</i> Bartr. ex Marsh.	Eastern cottonwood	46.7	146.713	133	279.713
<i>Carya illinoensis</i> (Wangenh.) K. Koch	Pecan	50.2	157.708	125	282.708
<i>Taxodium distichum</i> (L.) Rich.	Baldcypress	58.0	182.213	106	288.213
<i>Liquidambar styraciflua</i> L.	Sweetgum	53.9	169.332	138	307.332

¹One point awarded for each inch in circumference and foot in height.

Table 13 – Top 10 ranking trees with the highest scores for each species, Oklahoma 1986

Scientific name	Common name	Diameter	Circumference	Height	Points ¹
		----- inches -----		- feet -	
<i>Quercus nigra</i> L.	Water oak	40.3	126.606	70	196.606
<i>Pinus taeda</i> L.	Loblolly pine	26.9	84.509	115	199.509
<i>Quercus palustris</i> Muenchh.	Pin oak	23.1	72.571	127	199.571
<i>Juglans nigra</i> L.	Black walnut	40.7	127.863	73	200.863
<i>Carya illinoensis</i> (Wangenh.) K. Koch	Pecan	37.3	117.182	89	206.182
<i>Quercus shumardii</i> Buckl.	Shumard oak	37.2	116.868	95	211.868
<i>Quercus alba</i> L.	White oak	38.8	121.894	99	220.894
<i>Acer saccharinum</i> L.	Silver maple	41.8	131.319	90	221.319
<i>Populus deltoides</i> Bartr. ex Marsh.	Eastern cottonwood	46.4	145.770	95	240.770
<i>Platanus occidentalis</i> L.	American sycamore	42.3	132.890	128	260.890

¹One point awarded for each inch in circumference and foot in height.

Table 14 – Top 10 ranking trees with the highest scores for each species, Tennessee 1989

Scientific name	Common name	Diameter	Circumference	Height	Points ¹
		----- inches -----		- feet -	
<i>Quercus coccinea</i> Muenchh.	Scarlet oak	42.0	131.947	120	251.947
<i>Quercus palustris</i> Muenchh.	Pin oak	36.9	115.925	137	252.925
<i>Fraxinus americana</i> L.	White ash	35.3	110.898	144	254.898
<i>Liriodendron tulipifera</i> L.	Yellow-poplar	46.1	144.828	113	257.828
<i>Quercus falcata</i> var. <i>pagodifolia</i> Ell.	Cherrybark oak	37.1	116.553	142	258.553
<i>Quercus fulcata</i> Michx.	Southern red oak	51.5	161.792	104	265.792
<i>Quercus alba</i> L.	White oak	56.2	176.558	96	272.558
<i>Quercus rubra</i> L.	Northern red oak	48.4	152.053	124	276.053
<i>Taxodium distichum</i> (L.) Rich.	Baldcypress	48.5	152.368	128	280.368
<i>Platanus occidentalis</i> L.	American sycamore	65.9	207.031	140	347.031

¹One point awarded for each inch in circumference and foot in height.

Table 15—Top 10 ranking trees with highest scores for each species, Texas 1986

Scientific name	Common name	Diameter	Circumference	Height	Points ¹
		----- inches -----		- feet -	
<i>Quercus alba</i> L.	White oak	40.5	127.235	102	229.235
<i>Pinus taeda</i> L.	Loblolly pine	32.6	102.416	132	234.416
<i>Fagus grandifolia</i> Ehrh.	American beech	37.0	116.239	122	238.239
<i>Quercus phellos</i> L.	Willow oak	39.8	125.036	114	239.036
<i>Quercus falcata</i> Michx.	Southern red oak	54.4	170.903	79	249.903
<i>Quercus nigra</i> L.	Water oak	47.3	148.598	103	251.598
<i>Liquidambar styraciflua</i> L.	Sweetgum	48.2	151.425	104	255.425
<i>Quercus falcata</i> var. <i>pugodifolia</i> Ell.	Cherrybark oak	39.8	125.036	140	265.036
<i>Ulmus americana</i> L.	American elm	58.5	183.784	87	270.784
<i>Quercus hyrata</i> Wait.	Overcup oak	51.1	160.536	114	274.536

¹One point awarded for each inch in circumference and foot in height.

Table 16—Top 10 highest ranked trees in the seven Midsouth States 1982-89

Scientific name	Common name	State	Diameter	Circumference	Height	Points ¹
<i>Carya illinoensis</i> (Wangenh.) K.Koch	Pecan	Mississippi	50.2	157.708	125	282.708
<i>Quercus virginiana</i> Mill.	Live oak	Louisiana	68.5	215.200	70	285.200
<i>Taxodium distichum</i> (L.) Rich.	Baldcypress	Mississippi	58.0	182.213	106	288.213
<i>Populus deltoides</i> Bartr. ex Marsh.	Eastern cottonwood	Arkansas	51.7	162.421	131	293.421
<i>Quercus nigra</i> L.	Water oak	Louisiana	61.1	191.952	113	304.952
<i>Liquidambar styraciflua</i> L.	Sweetgum	Mississippi	53.9	169.332	138	307.332
<i>Platanus occidentalis</i> L.	American sycamore	Arkansas	58.7	184.412	127	311.412
<i>Taxodium distichum</i> (L.) Rich.	Baldcypress	Louisiana	66.1	207.660	115	322.660
<i>Platanus occidentalis</i> L.	American sycamore	Tennessee	65.9	207.031	140	347.031
<i>Taxodium distichum</i> (L.) Rich.	Baldcypress	Arkansas	82.3	258.554	120	378.554

¹One point awarded for each inch in circumference and foot in height.