

Washington Park Arboretum

University of Washington Botanic Gardens
Seattle, WA (USDA Hardiness Zone 8 b)

2009 Annual Report

Rainfall for the past autumn was relatively typical. For the period of October through December 2009, the Arboretum gauge recorded total rainfall of 17.18", or 115% of average. Through the end of the year, there were 18 nights when low temperatures dropped below freezing, with consecutive seasonal lows of 16° F on December 8th through 11th. Between December 7th and 10th the daily high temperature did not rise above freezing. All freezing nights occurred in December, with mild low temperatures prior to this period. The freezing temperatures were not accompanied by any snow. As of this writing, little if any damage has resulted from the weather of the past fall. The *Ilex* Collection suffered no breakage from snow loading and freeze damage is not apparent.

Heat intensity during the past summer was greater than usual for the Puget Sound area. There was a total of 19 days during the months of June, July and August with a high temperature $\geq 80^{\circ}$ F, and the seasonal high of 100° F was recorded on July 29th. Summer rainfall is typically low in this modified Mediterranean climate. However, 2009 summer rainfall was significantly below normal, with 1.04", or 31% of average, for the months of June, July and August.

The unusually hot summer appears to have brought out the best in certain species. Among these was *Ilex suaveolens*, which seemed to relish the extra heat units by putting on notably strong growth during the 2009 season. The sixteen very large specimens that were retained in the Pacific Connections Entry Gardens, mostly *Ilex opaca* and *I. purpurea*, flowered in 2009 and appear to be responding well to their improved growing conditions. Following the 'transformation plan' developed by the Curation Department, the Horticulture Staff has completed the transplanting of all *Ilex* specimens from the old collection area to a new display area on the west side of the Arboretum. In all, a total of 92 holly specimens have been transplanted to the new *Ilex* display area.

Randall Hitchin
Living Collection Manager & Registrar

Taxon	Condition	Accession Number
Ilex aculeolata	G	191-94*A
Ilex aculeolata	G	191-94*B
Ilex amelanchier	G	149-95*A
Ilex x altaclerensis	G	386-48*A
Ilex x altaclerensis 'Camelliifolia'	F	990-49*A
Ilex x altaclerensis 'Camelliifolia'	F	990-49*B
Ilex x altaclerensis 'Hendersonii'	F	570-67*F
Ilex aquifolium 'Argentea Marginata'	F	11-57*A
Ilex aquifolium 'Crassifolia'	G	399-94*A
Ilex aquifolium 'Crispa'	F	991-52*A
Ilex aquifolium 'Ferox Argentea'	G	271-47*B
Ilex aquifolium 'Ferox Argentea'	G	59-05*Z
Ilex aquifolium form	G	X-416*A
Ilex aquifolium 'Foxii'	G	1279-50*A
Ilex aquifolium 'Golden Queen'	G	26-08*Z
Ilex aquifolium 'Golden Queen'	G	269-63*A
Ilex aquifolium 'Harlequin'	G	776-60*A
Ilex aquifolium 'Hastata'	G	24-86*B
Ilex aquifolium 'Integrifolia'	G	1281-50*A
Ilex aquifolium 'Lichtenthalii'	G	29-05*A
Ilex aquifolium 'Myrtifolia Aurea Maculata'	F	25-86*A
Ilex aquifolium 'Pendula'	G	24-94*A
Ilex aquifolium 'Recurva'	G	1959-45*A
Ilex aquifolium 'Recurva'	G	31-07*Z
Ilex aquifolium 'Rederly'	F	963-50*A
Ilex aquifolium 'Teufel's Deluxe'	G	734-58*A
Ilex aquifolium 'Zero'	F	737-58*B
Ilex asprella	G	190-94*A
Ilex asprella	G	190-94*B
Ilex asprella	G	190-94*C
Ilex x attenuata	G	556-44*A
Ilex bioritsensis	G	60-99*A
Ilex 'Brilliant'	G	35-50*A
Ilex 'Brilliant'	F	35-50*B
Ilex buergeri	G	502-65*A
Ilex canariensis var. canariensis	G	24-06*Z
Ilex cassine var. mexicana	G	102-91*A
Ilex cassine var. mexicana	G	102-91*B

<i>Ilex cassine</i> var. <i>mexicana</i>	G	102-91*C
<i>Ilex championii</i>	A	200-94*Z
<i>Ilex ciliospinosa</i>	G	39-07*Z
<i>Ilex ciliospinosa</i>	G	40-07*Z
<i>Ilex ciliospinosa</i>	G	74-07*Z
<i>Ilex</i> 'Clusterberry'	P	47-83*A
<i>Ilex colchica</i>	G	65-05*A
<i>Ilex colchica</i>	G	65-05*B
<i>Ilex colchica</i>	G	66-05*A
<i>Ilex colchica</i>	P	630-65*A
<i>Ilex colchica</i>	P	630-65*B
<i>Ilex colchica</i>	G	3-06*Z
<i>Ilex colchica</i>	G	41-07*Z
<i>Ilex colchica</i>	G	64-05*Z
<i>Ilex colchica</i>	G	65-05*Z
<i>Ilex colchica</i>	A	66-05*Z
<i>Ilex colchica</i>	G	630-65*C
<i>Ilex collina</i>	G	327-94*A
<i>Ilex collina</i>	G	327-94*B
<i>Ilex collina</i>	G	327-94*C
<i>Ilex cornuta</i>	G	1668-56*A
<i>Ilex cornuta</i>	G	131-90*A
<i>Ilex cornuta</i>	G	131-90*B
<i>Ilex cornuta</i>	F	268-91*A
<i>Ilex cornuta</i> 'Rotunda'	P	782-59*A
<i>Ilex crenata</i>	G	X-511*E
<i>Ilex crenata</i>	G	X-511*F
<i>Ilex crenata</i> 'Convexa'	G	2421-40*D
<i>Ilex crenata</i> 'Dwarf Pagoda'	G	30-05*A
<i>Ilex crenata</i> f. <i>watanabeana</i>	G	63-05*Z
<i>Ilex crenata</i> 'Geisha'	G	72-95*A
<i>Ilex crenata</i> 'Helleri'	G	1391-50*A
<i>Ilex crenata</i> 'Helleri'	G	400-48*A
<i>Ilex crenata</i> 'Jersey Pinnacle'	G	188-95*A
<i>Ilex crenata</i> 'Jersey Pinnacle'	G	188-95*B
<i>Ilex crenata</i> 'Mariesii'	F	1251-50*A
<i>Ilex crenata</i> 'Mariesii'	G	57-96*A
<i>Ilex crenata</i> 'Mariesii'	G	36-08*Z
<i>Ilex crenata</i> 'Piccolo'	G	354-94*B
<i>Ilex crenata</i> 'Sky Pencil'	G	12-93*A

<i>Ilex crenata</i> 'Twiggy'	A	49-83*A
<i>Ilex crenata</i> var. <i>paludosa</i>	F	311-67*A
<i>Ilex crenata</i> var. <i>paludosa</i>	G	62-05*Z
<i>Ilex crenata</i> var. <i>thomsonii</i>	F	312-67*B
<i>Ilex crenata</i> var. <i>thomsonii</i>	F	312-67*A
<i>Ilex decidua</i>	G	350-63*A
<i>Ilex decidua</i>	G	350-63*B
<i>Ilex dimorphophylla</i>	G	349-94*A
<i>Ilex dimorphophylla</i>	G	349-94*B
<i>Ilex dimorphophylla</i>	G	349-94*C
<i>Ilex</i> 'Edward Goucher'	G	289-69*A
<i>Ilex fargesii</i> ssp. <i>fargesii</i>	G	95-07*Z
<i>Ilex fargesii</i> ssp. <i>melanotricha</i>	F	398-62*A
<i>Ilex geniculata</i>	G	91-96*A
<i>Ilex geniculata</i>	G	91-96*B
<i>Ilex geniculata</i>	G	91-96*C
<i>Ilex georgei</i>	G	352-94*A
<i>Ilex glabra</i>	F	887-57*B
<i>Ilex integra</i>	F	X-339*B
<i>Ilex integra</i>	F	X-339*C
<i>Ilex integra</i>	G	49-00*A
<i>Ilex integra</i>	G	49-00*B
<i>Ilex integra</i>	G	49-00*C
<i>Ilex integra</i>	G	27-07*Z
<i>Ilex</i> x <i>koehneana</i>	E	31-98*A
<i>Ilex latifolia</i>	G	1926-41*A
<i>Ilex latifolia</i>	F	1926-41*D
<i>Ilex latifolia</i>	G	63-93*A
<i>Ilex</i> 'Lemon Gem'	G	191-09*A
<i>Ilex macrocarpa</i>	G	197-94*A
<i>Ilex macrocarpa</i>	G	344-92*A
<i>Ilex macrocarpa</i>	G	344-92*B
<i>Ilex macrocarpa</i>	G	880-55*A
<i>Ilex macrocarpa</i>	E	197-94*B
<i>Ilex macropoda</i>	G	136-93*A
<i>Ilex macropoda</i>	G	134-93*A
<i>Ilex macropoda</i>	F	416-51*A
<i>Ilex macropoda</i>	G	134-93*B
<i>Ilex macropoda</i>	G	75-96*A
<i>Ilex macropoda</i>	G	75-96*B

Ilex 'Mary Nell'	G	336-81*A
Ilex maximowicziana var. kanehirae	G	181-84*A
Ilex maximowicziana var. kanehirae	G	181-84*B
Ilex maximowicziana var. kanehirae	G	380-90*B
Ilex x meserveae [Little Rascal] = 'Mondo'	G	128-99*A
Ilex micrococca	G	84-95*B
Ilex 'Miniature'	F	13-93*A
Ilex 'Miniature'	F	13-93*B
Ilex myrtifolia	F	3-96*B
Ilex 'Nellie R. Stevens'	G	783-59*A
Ilex opaca	F	137-70*A
Ilex opaca	F	137-70*B
Ilex opaca	F	137-70*C
Ilex opaca 'Arden'	G	1147-50*A
Ilex opaca 'Boyce Thompson Xanthocarpa'	G	226-88*A
Ilex opaca 'Canary'	G	60-05*Z
Ilex opaca 'Emily'	G	1149-50*A
Ilex opaca 'Farage'	G	411-48*A
Ilex opaca 'Hampton'	G	412-48*A
Ilex opaca 'Mae'	G	1151-50*A
Ilex opaca 'Maryland Dwarf'	G	238-77*A
Ilex opaca 'Osa'	G	1152-50*A
Ilex opaca 'Osa'	G	42-07*Z
Ilex opaca 'Richards'	G	909-50*B
Ilex opaca 'Skookum'	G	425-48*A
Ilex opaca 'Trisco'	G	426-48*A
Ilex opaca 'Trisco'	G	48-07*Z
Ilex opaca 'William Hawkins'	G	263-91*A
Ilex pedunculosa	A	X-423*B
Ilex pedunculosa	A	X-423*C
Ilex perado ssp. perado	G	846-59*B
Ilex perado ssp. perado	G	846-59*C
Ilex perado ssp. perado	G	846-59*E
Ilex perado ssp. perado	G	846-59*G
Ilex perado ssp. perado	G	846-59*D
Ilex perado ssp. perado	G	32-07*Z
Ilex perado ssp. perado	G	77-07*Z
Ilex pernyi	G	481-40*B
Ilex pernyi	G	481-40*C
Ilex pernyi	F	481-40*D

<i>Ilex purpurea</i>	E	1383-41*C
<i>Ilex purpurea</i>	E	1383-41*D
<i>Ilex purpurea</i>	E	1383-41*E
<i>Ilex</i> 'Rock Garden'	A	127-98*Z
<i>Ilex</i> 'Rock Garden'	G	31-05*A
<i>Ilex</i> 'Rock Garden Sport'	G	32-05*A
<i>Ilex rubra</i>	F	103-91*A
<i>Ilex rubra</i>	F	103-91*B
<i>Ilex rubra</i>	F	103-91*C
<i>Ilex rubra</i>	G	33-07*Z
<i>Ilex serrata</i>	G	763-41*A
<i>Ilex serrata</i>	F	588-54*A
<i>Ilex shennongjiaensis</i>	G	346-94*A
<i>Ilex shennongjiaensis</i>	G	355-94*A
<i>Ilex shennongjiaensis</i>	G	355-94*B
<i>Ilex</i> sp.	E	192-94*C
<i>Ilex</i> sp.	G	192-94*B
<i>Ilex</i> sp.	G	61-05*Z
<i>Ilex</i> sp.	P	192-94*A
<i>Ilex spinigera</i>	F	23-86*A
<i>Ilex spinigera</i>	G	34-07*Z
<i>Ilex suaveolens</i>	P	38-85*A
<i>Ilex suaveolens</i>	G	194-94*A
<i>Ilex verticillata</i>	G	151-90*A
<i>Ilex verticillata</i>	G	151-90*B
<i>Ilex verticillata</i>	A	208-90*A
<i>Ilex verticillata</i>	A	208-90*B
<i>Ilex verticillata</i> 'Afterglow'	G	42-91*B
<i>Ilex verticillata</i> 'Cacapon'	G	44-91*C
<i>Ilex verticillata</i> f. <i>aurantiaca</i>	G	580-90*A
<i>Ilex verticillata</i> f. <i>aurantiaca</i>	G	43-91*A
<i>Ilex verticillata</i> f. <i>aurantiaca</i>	G	43-91*C
<i>Ilex verticillata</i> f. <i>aurantiaca</i>	G	43-91*D
<i>Ilex verticillata</i> 'Jim Dandy'	G	45-91*B
<i>Ilex verticillata</i> 'Jim Dandy'	F	281-88*B
<i>Ilex verticillata</i> 'Red Sprite'	G	48-91*C
<i>Ilex verticillata</i> 'Red Sprite'	G	48-91*D
<i>Ilex verticillata</i> 'Red Sprite'	G	48-91*E
<i>Ilex verticillata</i> 'Shaver'	G	49-91*B
<i>Ilex verticillata</i> 'Southern Gentleman'	G	53-91*E

<i>Ilex verticillata</i> 'Southern Gentleman'	G	53-91*C
<i>Ilex verticillata</i> 'Southern Gentleman'	G	53-91*B
<i>Ilex verticillata</i> 'Southern Gentleman'	G	53-91*D
<i>Ilex verticillata</i> 'Stop Light'	G	47-91*B
<i>Ilex verticillata</i> 'Sunset'	G	51-91*A
<i>Ilex verticillata</i> 'Winter Red'	F	52-91*B
<i>Ilex verticillata</i> 'Winter Red'	G	52-91*C
<i>Ilex verticillata</i> 'Winter Red'	P	52-91*D
<i>Ilex verticillata</i> 'Winter Red'	F	52-91*E
<i>Ilex verticillata</i> x <i>Ilex serrata</i> 'Harvest Red'	G	46-91*B
<i>Ilex verticillata</i> x <i>Ilex serrata</i> 'Sparkleberry'	A	50-91*A
<i>Ilex vomitoria</i> 'Will Fleming'	G	343-92*A
<i>Ilex wilsonii</i>	A	78-93*Z
<i>Ilex yunnanensis</i>	G	111-81*B
<i>Ilex yunnanensis</i>	F	111-81*A
<i>Ilex yunnanensis</i>	G	111-81*C