

INDEX TO VOL. XII

Synonyms are in *italics*

- Abies amabilis*, 84
concolor, 84
grandis, 84
holophylla, 82
koreana, 82
nobilis, 84
- Acanthopanax ricinifolium*, 68
- Acer tataricum*, 76
- Aesculus Bushii*, 18
carnea, 18
var. Briottii, 18
discolor, 18, 19
var. mollis, 18
georgiana, 18, 19
glabra, 18
var. virginica, 18
Harbisonii, 19
Hippocastanum, 17
parviflora, 19, 72
turbinata, 18
versicolor, 19
- Aestivales Thorns, 26
- Ailanthus*, the, 69, 70, 71
altissima, 69, 71
var. erythrocarpa, 70
var. setchuenensis, 71
Duclouxii, 71
flavescens, 72
Giraldii, 71
glandulosa, 69
glandulosa pendulifolia, 71
Vilmoriniana, 71
- Almond, Chinese, 7
- American Crabapples, 22
Magnolias, 21
Yellow Wood, 46
- Amorpha canescens*, 60
- Andromeda floribunda*, 3
- Anomalae Thorns, 28
- Apple, Charlotte, 23
- Apricots, 5
- April-flowering Rhododendrons, 4
- Aralia chinensis*, 59
var. mandshurica, 59
- Aralia spinosa*, 58
- Arboretum early in July, the, 41
in early summer, the, 29
- Arborvitae, western, 83
- Ash, Black, 66
Blue, 66, 67
Flowering, 65
Green, 66
Manna, 65
Red, 66
White, 66
- Ash-trees, 65, 66, 67, 68
- Asiatic Crabapples, 10
Lindens, 55
Sumach, 68
- Austrian Briar Rose, 39
- Autumn in the Arboretum, 77
- Azalea, Clammy, 47
- Azaleas, 28
early flowering Asiatic, 16
the last of the, 47
- Barberries, late-flowering, 60
- Bay, Rose, 51
Sweet, 22
- Bechtel Crab, 23, 29
- Benzoin aestivale, 2
- Berberis aggregata*, 60
Prattii, 60
subcaulialata, 60
- Black Ash, 66
- Black Haw, 29
- Blue Ash, 66, 67
- Boursault Rose, 44
- Brachyacanthae* Thorns, 26
Pomette Bleue, 26
- Bracteatae* Thorns, 27
- Buckeye, Ohio, 18
- Buckeyes, 18
- Buckeyes, Horsechestnuts and, 17
- Burnet Rose, 40
- Bush Honeysuckles, 24, 76
- Calluna, 59
vulgaris, 60
var. alba, 60

- Calluna vulgaris*, 60
 var. *alba pumila*, 60
 var. *alba rigida*, 60
 var. *Alportii*, 60
 var. *argentea*, 60
 var. *aurea*, 60
 var. *cuprea*, 60
 var. *elata*, 60
 var. *erecta*, 60
 var. *Hammondii*, 60
 var. *humilis*, 60
 var. *hypnoides*, 60
 var. *minima*, 60
 var. *minor*, 60
 var. *monstrosa*, 60
 var. *multiplex*, 60
 var. *nana*, 60
 var. *pilosa*, 60
 var. *pyranaica*, 60
 var. *rigida*, 60
 var. *rubra*, 60
 var. *Serlei*, 60
 var. *spicata*, 60
 var. *tenuis*, 60
 var. *tomentosa*, 60
 var. *variegata*, 60
 Canada Plum, 7
 Carolina Hemlock, 45, 82
 Poplar, 71
 Catalpa bignonioides, 50
 var. *nana*, 51
 Bungei, 51
 Fargesii, 51
 hybrida, 51
 ovata, 51
 speciosa, 50, 71
 Tesaii, 51
 Catalpas, 50
 Ceanothus, 59
 americanus, 59
 Fendleri, 59
 hybrid, 59
 ovatus, 59
 Cedar, Incense, 84
 Cedar of Lebanon, 83
 Cedars, White, 84
 Cedrela sinensis, 71, 72
 Cercidiphyllum, 1
 Chamaecyparis Lawsoniana, 84
 nootkatensis, 84
 Charlotte Apple, 23
 Cherries, double-flowered Japanese, 9
 Cherry, Cornelian, 2
 Japanese Spring, 6
 Sargent, 6
 Weeping, 6
 Chinese Almond, 7
 Golden Larch, 84
 Pearl Bush, 24
 Snowball, 31
 Cladrastis, 46
 lutea, 46
 sinensis, 46
 Wilsonii, 46
 Clammy Azalea, 47
 Climbing Hydrangea, 57
 Coccineae Thorns, 27
 Cockspur Thorns, 26
 Colorado Blue Spruce, 46
 Conifers, 1, 81, 82, 83
 Pacific coast, 83
 Copper Austrian Briar Rose, 39
 Cornel, Siky, 41
 Cornelian Cherry, the, 2
 Cornus alternifolia, 36
 amomum, 41
 controversa, 35, 36
 florida, 32, 78
 kousa, 32, 44, 78
 var. *chinensis*, 32, 44, 78
 mas, 2
 Nuttallii, 32
 Corylopsis Gotoana, 8
 Cotinus, 72
 americanus, 72
 coggygria, 72
 Crab, Bechtel, 23, 29
 Parkman, 11
 Siberian, 11
 Von Siebold's, 12
 Crabapple, Siberian, 11
 Crabapples, American, 22
 Asiatic, 10
 Crack Willow, 71
 Crataegus, 25, 26, 27, 28
 apiifolia, 27
 aprica, 27
 arnoldiana, 20
 coccinioides, 27
 cordata, 27
 monogyna, 25
 nitida, 27
 oxyacantha, 25
 pinnatifida, 25

- Crataegus nitida, 27
 var. major, 26
 punctata, 26
 rotundifolia, 27
 saligna, 26
 spatulata, 27
 viridis, 27
 Crimean Linden, 55
 Crimson Rambler Rose, 43
 Crus-galli Thorns, 26
 Cryptomeria, 84
 Cucumber Tree, 22
 Cytisus nigricans, 52

 Daphne Cneorum, 8
 Mezereum, 8
 Deciduous-leaved trees of
 pyramidal habit, 80
 Deutzia hypoglauca, 40
 Lemoinei, 40
 parviflora, 40
 Dilatatae Thorns, 27
Dimorphanthus mandshuricus, 59
 Dipelta floribunda, 32
 Dirca palustris, 2
 Docent service, 4, 8
 Dogwood, 2
 Dogwoods, Flowering, 78
 Double-flowered Japanese
 Cherries, 9
 Douglas Spruce, 83
 Douglasianae Thorns, 28

 Early-flowering
 Asiatic Azaleas, 16
 native shrubs, 2
 Viburnums, 20
 Effects of the winter
 in the Arboretum, 1
 Elm, Hancock, 74
 Elms, Paddock, 74
 English Hawthorn, 25
 Erica carnea, 3
 European Black Poplar, 80
 Linden, 54
European Sycamore, 71
 Evonymus radicans, 52
 var. vegetus, 52
 Exochorda Giraldii Wilsonii, 24

 Fir, White, 83, 84
 Flavæ Thorns, 27
 Flowering Ash, 65

 Flowering Dogwoods, 78
 Forsythia ovata, 4
 Fothergilla, 20
 Fragrant Sumach, 48
 Fraxinus americana, 66
 var. crassifolia, 66
 anomala, 67
 biltmoriana, 67
 Bungeana, 65
 chinensis var. rhyncophylla, 67
 cuspidata, 65
 dipetala, 65
 excelsior, 67
 Greggii, 65
 longicuspis, 66
 mandschurica, 67
 nigra, 66
 oregana, 67
 Ornus, 65
 pennsylvanica, 66
 var. lanceolata, 66
 platypoda, 68
 potamophylla, 67
 quadrangulata, 67
 rotundifolia, 67
 texensis, 67
 Fruits, ripening of, 76

 Garland Tree, 23
 Genista tinctoria, 52
 var. elatior, 52
 Grape vines, Japanese, 76
 Green Ash, 66
 Guelder Rose, 30

 Hancock Elm, 74
 Harison's Yellow Rose, 40
 Haw, Black, 29
 Haws, May, 26
 Hawthorn, English, 25
 Hawthorns, 25, 26, 27, 28
 Heather, Scotch, 59
 Helianthemum, 52
 chamaecistus, 52
 nummularium, 52
 vulgare, 52
 Hemlock, Carolina, 45, 82
 Hobble Bush, 20
Honeysuckle, 47
 Honeysuckle, Tartarian, 76
 Honeysuckles, Bush, 24, 76
 Horsechestnut, Grecian, 18
 Horsechestnuts and Buckeyes, 17

- Hybrid Philadelphus, 39
 Hydrangea arborescens, 58
 var. grandiflora, 58
 Bretschneideri, 57
 cinerea, 58
 Japanese Climbing, 36, 57
 paniculata, 58
 var. grandiflora, 58
 var. praecox, 58
 petiolaris, 36, 57
 quercifolia, 57
 radiata, 58
 Rosthornii, 57
 xanthoneura, 57
 var. setchuenensis, 57
 var. Wilsonii, 57
 Hydrangeas, 57
 Hypericum Buckleyi, 56
 Incense Cedar, 84
 Indigofera, 76
 amblyantha, 76
 atropurpurea, 76
 decora, 76
 Gerardiana, 76
 hebetata, 76
 Kirilowii, 76
 Potaninii, 76
 Intricatae Thorns, 27
 Japanese Climbing Hydrangea, 36, 57
 Grape Vines, 76
 Lacquer-tree, 72
 Snowball, 31
 Spring Cherry, 6
 Umbrella Pine, 84
 Juniperus communis,
 var. nipponica, 82
 conferta, 82
 rigida, 82
Kaido, 11
 Kalmia latifolia, 44, 51
 Koelreuteria paniculata, 72
 Kolkwitzia amabilis, 36
Lacquer-tree, Japanese, 72
 Larch, Chinese Golden, 84
 Late-flowering Barberries, 60
 Lilacs, 14
 Laurel, 44
 Lead Plant, 60
 Leatherwood, 2
 Lemoine hybrid Philadelphus, 46
 Libocedrus decurrens, 84
 Lilacs, 13, 14
 hybrid, 15
 Eximia, 15
 Lutèce, 15
 late-flowering, 14
 Tree, 15
 Linden, Crimean, 55
 European, 54
 Lindens, 53, 54, 55
 Asiatic, 55
 two Silver, 55
 Lombardy Poplar, 80
 Lonicera amoena, 24
 arnoldiana, 24
 bella, 24, 76
 chrysantha, 24
 Morrowii, 24
 muendeniense, 76
 notha, 24, 76
 Ruprechtiana
 var. xanthocarpa, 76
 tatarica, 24, 76
 Maackia amurensis, 60
 var. Buergeri, 60
 hupehensis, 60
 Macracanthae Thorns, 27
 Magnolia acuminata, 22
 cordata, 21
 Fraseri, 21
 glauca, 49
 macrophylla, 22
 major, 22, 50
 Mountain, 21
 pyramidata, 21
 salicifolia, 3
 stellata, 3
 Thompsoniana, 22, 50
 tripetala, 22
 virginiana, 22, 49
 var. australis, 49
 Magnolias, 3
 American, 21
 Malus angustifolia, 23
 arnoldiana, 12
 baccata, 11
 var. Jackii, 11
 var. mandshurica, 11
 Malus bracteata, 23
 cerasifera, 11
 coronaria, 23

- Malus coronaria*, 23
 var. *Charlottae*, 23
 Dawsoniana, 24
 floribunda, 12
 fusca, 23
 glabrata, 23
 glaucescens, 22
 Halliana, 11
 ioensis, 23
 var. *plena*, 23
 lancifolia, 23
 micromalus, 11
 platycarpa, 23
 var. *Hoopesii*, 23
 pumila, 23
 robusta, 11, 12
 f. *persicifolia*, 11,
 Sargentii, 12
 Scheideckeri, 12
 Sieboldii, 12
 var. *arborescens*, 12
 Soulardii, 23
 Manna Ash, 65
 Maple, Tartarian, 76
 May Haws, 26
 Microcarpae Thorns, 27
 Mock Orange, 37, 38
 Molles Thorns, 28
 Moosewood, 20
 Mountain Magnolia, 21

 Nannyberry, 30
 New Jersey Tea, 59

 Ohio Buckeye, 18
 Oxydendrum arboreum, 51

 Pacific coast Conifers, 83
 Paddock Elms, 74
 Parkman Crab, 11
 Pearl Bush, Chinese, 24
 Persian Yellow Rose, 40
 Phellodendron amurense, 77
 Philadelphus, 37, 38
 coronarius, 38
 Falconeri, 38
 grandiflorus, 38
 hybrid, 39
 inodorus, 38
 insignis, 39
 latifolius, 38
 Lemoine Hybrid, 46
 Lemoinei, 46
 Magdalenae, 38

 Philadelphus maximus, 39
 microphyllus, 38
 pekinensis, 38
 pubescens, 38
 Souvenir de Billard, 39
 purpurascens, 38
 splendens, 39
 Picea Engelmannii, 82, 83
 Koyamai, 82
 omorika, 83
 pungens, 46
 Sargentiana, 81
 Pieris floribunda, 3
 Pine, Japanese Umbrella, 84
 Sugar, 83
 White, 83
 Pinus Lambertiana, 83
 monticola, 83
 ponderosa var. *Jeffreyi*, 84
 sinensis, 81
 Strobus, 83
 Platanus acerifolium, 71
 Plum, Canada, 7
 Poplar, Carolina, 71
 European Black, 80
 Lombardy, 80
 White, 71
 Populus nigra, 80
 var. *italica*, 80
 Potentilla tridentata, 44
 Prinsepia sinensis, 7
 Pruinosae Thorns, 27
 Prunus, 5
 americana, 7
 Armenaica, the Mikado, 5
 caroliniana, 7
 Davidiana, 2
 Lannesiana, 9
 Amanogawa, 9
 Jonioi, 9
 Miyako, 9
 Ochichima, 9
 Ojochin, 9
 Sirotae, 9
 nigra, 7
 salicina, 7
 serrulata sachalinensis, 6, 9
 albo-rosea, 9
 Fugenzo, 9
 Hisakura, 9
 Horinji, 9
 Kirin, 9
 Sekiyama, 9
 James H. Veitch, 9

- Prunus sibirica*, 5
 subhirtella, 6
 var. *ascendens*, 6
 var. *pendula*, 6
 tomentosa, 5
 triflora, 7
 triloba, 7
 var. *plena*, 7
 yedoensis, 6
Pseudolarix amabilis, 84
Pseudotsuga taxifolia, 33
Pulcherrimae Thorns, 27
Punctatae Thorns, 26

 Red Ash, 66
 Siberian Crab, 11
Rhododendron arborescens, 47
 var. *Richardsonii*, 47
 arbutifolium, 35
 brachycarpum, 33, 35
 calendulaceum, 28, 47
 carolinianum, 33, 34
 catawbiense, 33
 hybrids of, 33, 34
 Adalbert, 34
 Adam, 34
 Alarich, 34
 Albert, 34
 Annedore, 34
 Anton, 34
 Arno, 34
 Attila, 34
 August, 34
 Bella, 34
 Bismarck, 34
 Calliope, 34
 Daisy, 34
 Desiderius, 34
 Diana, 34
 Donar, 34
 Echse, 34
 Eli, 34
 Eva, 34
 Fee, 34
 Viola, 34
 caucasicum, 33, 34
 hybrids of, 34, 35
 Boule de Neige, 35
 Cassiope, 35
 Cunningham's White, 34
 Mont Blanc, 35
 Sultana, 35
 ciliatum × *dahuricum*, 4

Rhododendron coriaceum, 25
 dahuricum, 4
 delicatissimum, 33
 ferrugineum, 33
 hirsutum, 33
 japonicum, 28
 var. *aureum*, 28
 Kaempferi, 19
 laetevirens, 35
 luteum, 20
 maximum, 33, 51
 maximum superbum, 56
 Metternichii, hybrids of, 35
 minus, 33, 34
 mollis, 28
 mucronulatum, 4, 16
 myrtifolium, 35
 nudiflorum, 28
 ponticum, 33
 poukhanense, 16
 praecox, 4
 Early Gem, 4
 reticulatum, 16
 rhombicum, 16
 var. *album*, 16
 roseum, 28
 Schlippenbachii, 16
 Smirnowii, 33, 34
 Vaseyi, 19
 viscosum, 23, 47
 Wellesleyanum, 33, 56
 Wilsonianum, 35
Rhododendrons, 33, 34, 35
 April-flowering, 4
 hybrid, 56
Rhus aromatica, 76
 canadensis, 48, 76
 javanica, 68
 Osbeckii, 68
 semialata, 68
 Ripening of fruits, 76
 Roadside plants, 48
Rosa arnoldiana, 43
 bella, 44
 caudata, 44
 Ecae, 39
 foetida, 39
 var. *bicolor*, 40
 var. *persiana*, 40
 Hugonis, 39
 kamtschatica, 42
 Lheritieranea, 44
 lucida, 48

- Tenuifoliae* Thorns, 27
 Thorn, Washington, 27
 Thorns, Cockspur, 26
Thuja koraiensis, 82
 plicata, 83
Tilia americana, 53
 argentea, 55
 caucasica, 55
 cordata, 54, 55
 dasystyla, 55
 euchlora, 55
 glabra, 53, 54
 heterophylla, 54
 heterophylla var. *Michauxii*, 54
 japonica, 56
 monticola, 54
 neglecta, 54
 petiolaris, 55, 56
 platyphyllos, 54
 var. *asplenifolia*, 54
 var. *pyramidalis*, 54
 var. *vitifolia*, 54
 spectabilis, 55
 var. *Moltkei*, 55
 tomentosa, 55, 56
 vulgaris, 54, 55
Tomentosae Thorns, 27
Torreya californica, 84
 nucifera, 84
 Traveller's Tree, 31
 Tree Lilacs, 15
 Tree of Heaven, 69, 70, 71
Triflorae Thorns, 27
Tsuga canadensis, 46
 caroliniana, 45, 82
 heterophylla, 84
 Two Silver Lindens, the, 55

Ulmus americana, 1
Ulmus campestris, 73, 74, 75
Ulmus procera, 73, 74, 75
 Umbrella Tree, 22
Uniflorae Thorns, 27

Viburnum alnifolium, 20, 32, 47
 americanum, 30
 bitchuiense, 20
 burejaeticum, 31
 Canbyi, 47
 Carlesii, 20, 31

Viburnum dilatatum, 31
 erosum, 31
 fragrans, 8
 furcatum, 31
 Lantana, 31
 lantanooides, 32
 Lentago, 30
 macrocephalum, 31
 forma sterile, 31
 Opulus, 30
 var. *nanum*, 30
 var. *sterile*, 30
 var. *xanthocarpum*, 30
 plicatum, 31
 prunifolium, 29
 pubescens, 30
 rufidulum, 30
 Sargentii, 30, 31
 Sieboldii, 31
 theiferum, 31
 tomentosum, 31
 var. *dilatatum*, 31
 forma rotundifolium, 31
 var. *lanceolatum*, 31
 Veitchii, 31
Viburnums, 29
 early-flowering, 20
 of western Asia, 30
Virides Thorns, 26
Vitis amurensis, 76
 Coignetiae, 76
 pulchra, 76
 Von Siebold's Crab, 12

 Washington Thorn, 27
 Wax, Woad, 52
 Weeping Cherry, 6
 Weeping Willow, 71
 White Ash, 66
 Cedars, 84
 White Fir, 83, 84
 Pine, 83
 Poplar, 71
 Willow, Crack, 71
 Weeping, 71
 Woad Wax, 52

 Yellow-flowered Roses, 39
 Yellow Wood, American, 46