

JC Raulston Arboretum

Friends of the Arboretum Newsletter

Number 2

March 1981

J. C. Raulston

Dear Friends of the NCSU Arboretum (now the JC Raulston Arboretum):

The west coast sabbatical is going very well and I am seeing and learning a great amount about landscape plants and have obtained quite a few exciting plants for our arboretum. Most of my time is spent in the San Francisco area where I am living but I have managed one trip south to San Diego and one north to Vancouver to see collections and visit nurseries. Hopefully, many of you will remember the lecture on April 2 announced in the first newsletter as I am anxious to share some of the sights seen with you. For those that cannot make it to the talk, some of the most interesting highlights have included: the magnolias of the Strybing Arboretum in San Francisco - one of the finest collections in the U.S. with many tender species not grown elsewhere. The arboretum is famous for *M. campbelli* from Nepal with large white to pink flowers. It is quite tender and requires 20-25 years to bloom from seed; the University of California at Santa Cruz arboretum - one of the largest collections of Proteas in the world, named after the ancient God Proteus who could change form to any shape desired - the plants are enormously varied and have some of the most fantastic flowers of any plant group. Coming from South Africa and Australia, none are hardy in N.C.; the great interest of people in the native plants of California with excellent collections at the Tilden Botanic Garden in Berkeley, the Santa Barbara Botanic Garden and Rancho Santa Anna in Claremont - the tremendously varied climatic areas of California have evolved one of the most diverse groups of plants in North America; many fine Japanese gardens - the famous one in San Francisco, an old one Hakone in Saratoga, a brand-new one in Hayward, a superb private one in Beverly Hills, and the wonderful one in Portland, Oregon; the bizarre bit of folk horticulture in Scotts Valley, California where an individual sculpted living trees into incredible shapes - unfortunately about to be bulldozed and lost; a visit to the Mitsch, the daffodil grower mentioned in the last newsletter to see the dozens of beautiful new varieties in flower (we will plant over 100 varieties in the arboretum this fall from their listing); a visit to Roger's garden center in the Los Angeles area - the finest garden center in the world - handling everything but specializing in planters and hanging baskets (one priced at \$5,000!); many superb retail nurseries that are wonderful but frustrating since I cannot buy all the things I would like, nurseries carry a much wider range of plants - often 700-1,000 different things - and very reasonably priced because of the huge nursery industry there and good growing conditions. My favorite has been Monte Bello Nursery which you will see frequently on the attached plant list, they sell many rare things in small sizes (often just rooted cuttings) for \$.80 to \$2.00 - a good way to get things inexpensively. Unfortunately the owners retire in June and their children have no interest in horticulture and it will close at that time.

GET TO KNOW A NEW PLANT FROM THE ARBORETUM

***Acer palmatum* (Japanese maple)**

The red-leafed Japanese maple was chosen as a symbol of the NCSU Arboretum (now the JC Raulston Arboretum) because it represents an improved cultivar of an exotic plant well adapted to north Carolina - the main goal of the Arboretum in type of plants we want to display. Japanese maples are long-lived small trees with few problems once established in the home landscape - rarely growing over 20' tall and thus staying in scale for a residential lot. The species has palm-shaped green leaves but many variations in leaf color and shape have been found among the many millions of seedlings that have been grown by nurserymen. The best or most unusual of these have been named and are propagated by cuttings or grafting to maintain the special characteristics desired. A recent very beautiful (and expensive \$40) book, *Japanese Maples* by J. D. Vertrees - has color photos of dozens of the named varieties and is by far the best guide to this group of plants. Among the most commonly available cultivars are Bloodgood - a dark red leaf retaining its color well in the summer, Crimson Queen - a red cutleaf, a dark red leaf retaining its color well in the summer, Crimson Queen - a red cutleaf, Butterfly - with white marked variegated leaves, Snago Kaku or the Coral Twig Maple - with bright coral branches in winter, and many, many others. You can see about 20 named cultivars in the Arboretum. In North Carolina most nurseries carry some Japanese maples and the best sources for unusual cultivars are New Bern Nurseries and Nelson's Nurseries - both listed in the catalog sources handout from the visitor center. Other North Carolina nurseries are also beginning to propagate different cultivars and more will be available in the near future. Excellent mail-order sources are Greer Gardens - also in that catalog listing and Maplewood Nursery, 311 Maplewood Lane, Roseburg, OR 97470. Unusual cultivars will cost \$7.-35. depending on size and rarity.

Perhaps the most common complaint comes from people who buy red-leaved plants that turn green in summer. These are seedling plants that vary greatly in their ability to retain the red pigment through summer heat. In a group of seedlings in the spring, there is no way to distinguish among the plants as to how well they will retain color. Two methods may be used if the red is definitely wanted - (1) buy a vegetatively propagated cultivar such as Bloodgood which was chosen for its ability to stay red. These plants will be slightly more expensive because grafting is more difficult and expensive than growing seedlings or (2) go to your nursery and pick out the darkest colored plants in late August or September after they have gone through the summer heat - if they show good color they will continue to do so in the home garden. But you cannot select seedlings in the spring. Many people are hesitant to buy container maples after midsummer or in the fall because the foliage is burned and scorched - there is nothing wrong with them - the scorching is a temporary problem resulting from container culture and after planting in the ground the scorch will not return the following year. Also very important - the best color develops only in full sun - a red leafed cultivar will become green if planted in heavy shade (same thing is true on the branches of the coral bark maple). Yellow, cream or white variegated cultivars required light shade in the hot N.C. sun or they will burn badly.

Although somewhat expensive, improved cultivars of Japanese maples will provide decades of pleasure as a quality garden plant with few problems.

NEW SOURCE OF PLANTS ADDRESS

Recently received a 4 page mimeo listing of dwarf plants for bonsai culture - most ranging in price \$2.-\$15@. Only 32 different plants listed but several but several somewhat different things (e.g. - weeping Japanese larch, Japanese hornbeam, Malus zumi, grafted Cork bark Japanese black pines). The address to receive the listing is: Dwarfed Tree Nursery, 17771 Snyder Road, Chagrin Falls, Ohio 44022.

HELP NEEDED

With reductions in federal budgets, and thus to university appropriations, many programs are being cut or reduced. This has resulted in reduced funds for the operation of the Unit 4 horticultural farm where the Arboretum is located and less labor is being hired this summer than in past years. To replace this labor, I am using monies from several sources including our membership fees to hire a student to work in the Arboretum from April through October this year. We have a great need for more support and what I would like to ask is that each present member make an effort to recruit one more member (surely you have one horticultural friend that would enjoy membership). If we could get 70 more members (double our present membership), it would pay for the increased support needed to hire maintenance labor this year. Please consider passing the word and encouragement to your friends (perhaps birthday or other gifts?) - many thanks.

WINTER DAMAGE REPORT

A low of 4°F was reached in the arboretum during the 80-81 winter, and a severe drought also provided extra stress on plants. Some surprising injury patterns developed with severe damage or killing of some plants that had gone through colder winters, and happily, some plants survived well that showed damage in other years or that were not expected to be hardy. Plants killed that survived through previous winters included *Laurus nobilis*, *Ceanothus Skylark*, *Sequoiadendron giganteum*, *Davidia involucreata* (a major disappointment - had 3 good years of growth on the Dove Tree), *Ilex dimorphophylla* (no injury in previous years), *Viburnum suspensum*. Plants severely damaged that will likely sprout back from trunks or the roots include quite a few *Buxus*, *Gardenia radicans*, *Escallonia*s, *Pittosporum Wheeler's Dwarf* (which had never shown injury before), *Carex morrowii variegata*, all the mondo grass cultivars, *Agapanthus*, *Feijoa sellowiana*, *Quercus suber*, and *Myrica californica*. Others still await later evaluation to see their status. For good news - and this is one factor all gardeners fully appreciate - as we plant a wide range of things some do fail, but there are also the successes. And they are even more appreciated when uncertain or unexpected. Unknown new plants that were doubtful but have survived include *Fitzroya cupressoides* (a conifer from Chile and probably the only plant in the eastern U.S.), *Cupressus macrocarpa aurea* (the golden Monterey cypress), *Glyptostrobus lineatus* (a rare deciduous conifer related to bald cypress and the Dawn redwood), *Sarcococca ruscifolia* (a broadleaf evergreen small shrub), *Taxodium mucronatum* (the Mexican bald cypress), *Baccharis pilularis Twin Peaks* (a California ground cover) and *Pinus eldarica* (a fast growing pine promoted for Christmas tree use in the west).

As in the past, this year we have beautiful evidence of the value of deep mulching of marginal materials (6-10" deep around the stem with pine bark) in overwintering plants. Plants may be killed back to the mulch but new growth can resprout from the trunk or roots. This is how we saved *Euryops*, *Agapanthus*, oleander and other similar marginal plants. It is best to remove the piled mulch as temperatures warm in the spring and new growth begins.

NEW PLANT ACQUISITIONS FOR THE ARBORETUM

Taking advantage of the opportunity to deal with west coast nurseries has allowed me to purchase some long wanted material for the arboretum. So far, about 150 new plants have been sent to Raleigh and most are now being grown in containers in a nursery for planting out this coming fall. Among some of the interesting plants for your future enjoyment are 3 species of *Hellenorus*, the Christmas Roses blooming December-April; 6 cultivars of tree peonies imported from Japan; 12 cultivars of the Japanese Apricot, *Prunus mume* (described in the last newsletter - I understand the one in the arboretum was spectacular in February); 10 cultivars of *Wisteria* (planted at the posts behind the French Parterre and will be grown tree form); 12 cultivars of flowering quince, *Chaenomeles*, white, pink and red flowers on the same plant; 4 *Nandinas* from a dwarf Japanese cultivar, *Tsukmo*, never over 6" tall to *Umpqua Chief* - reaching 8 feet; 4 new Blue Hollies, *Ilex x meserveae* hybrids, of extreme hardiness with good berries and foliage; 6 dwarf weeping groundcover *Crepe*

Myrtles; Parthenocissus henryana, a beautiful grey-veined vine for walls; Betula jacquemontii, the most beautiful of white barked birches, from the Himalayas, and Betula nana - a dwarf birch 6" tall from the Arctic; Quercus ilex, an evergreen oak with foliage that looks like a holly; a variegated Rohdea, a hobbyist collector plant of Japan; 4 species of Corylopsis, February-March yellow-blooming shrubs of great beauty; Stachyurus praecos, a showy flowering shrub with drooping racemes of flower in February; and many others.

SPECIAL TOUR AVAILABLE

In June I will conduct a 10 day tour for the North Carolina Association of Nurserymen to the east coast to visit a wide variety of arboretums, public gardens and nurseries. A few spaces are still available and would be open to Friends of the Arboretum. The tour begins in Vancouver, British Columbia and progresses down the coast with major stops in Seattle, Portland, and concluding in San Francisco. Dates are June 15-24 and the cost is \$1,250 per person covering round trip airfare from Charlotte, hotels, transportation and admissions. If interested, please contact Mr. Bill Wilder, Wilder's Nursery, Knightdale, N.C. (919/266-2835) for details.

NEW SOURCES OF HORTICULTURAL ITEMS

If you are looking for an out-of-print horticultural book, chances are you can obtain it from one of the following 2 firms. Two of the best in the U.S. - they often provide books to English sources hunting hard-to-find items.

Bell's Book Store Booknoll Farm

536 Emerson Street Hopewell, NJ 08525

Palo Alto, CA 94301 (609) 466-0522

(415) 323-7822 c/o Elisabeth Woodburn

LANDSCAPE PLANTS IN THE NCSU COLLECTIONS

The following pages of plant listings is a third attempt to develop a checklist of the landscape plants on the NCSU campus and those in the NCSU Arboretum (now the JC Raulston Arboretum) collections. This list has been expanded from the December 1979 list and includes new plants, new classifications, and elimination of a number of plants which did not survive or were found to be named improperly. In addition, the listing has been expanded to include a general location, year and place of acquisition, if known, and approximate height. The list is incomplete and has many errors or outdated information needing checking, but has been issued as is due to time deadlines and should be considered a working document for modification and change. More detailed mapping of mapping to specific location at the arboretum site will be done during 1982 and further refinement of the taxonomy of the collection will improve this listing. The list will be continued in the summer newsletter.

If available, material for propagation is readily shared with nurserymen, public park departments, and other arboreta and botanical gardens. In addition, anyone with species not included in this listing that would be willing to contribute plants or propagation materials would be welcomed. With little budget for plant purchase, such contributions are essential for continuing expansion of the collection.

The following code is used in the listing Locations

C - NCSU Campus. The letter and digit included after "C" codes to grid maps in a publication on campus plant locations.

G - Gardner Arboretum on the NCSU Campus

M - Method Farm - NCSU Arboretum (now the JC Raulston Arboretum)

N - Nursery or greenhouse - still in a container

Height

HP - Herbaceous perennial dying back to ground annually

GC - Ground cover, spreading and generally under 6"-1' tall

V - Vine growing on trellis

HA - Herbaceous annual requiring greenhouse overwintering and replanting

LANDSCAPE PLANTS IN THE NORTH CAROLINA STATE UNIVERSITY COLLECTIONS - FEBRUARY 1981

Compiled by J. C. Raulston

Scientific Name, Year Acquired & Original Source, Height, Location

- Abelia chinensis 80 National Arboretum, D.C. 80-6" M
- Abelia grandiflora Old Local N.C. Nursery 80-6' C,M
- Abelia grandiflora Dwarf Purple 80 Old Westbury Estate, N.Y. 80-4" M

- *Abelia grandiflora* Francis Mason 80 Mitsch Nursery, OR 80-1' M
- *Abelia grandiflora nana* 70 ?? 80-4' M
- *Abelia grandiflora prostrata* 78 Monrovia Nursery, CA 80-2' M
- *Abelia grandiflora* Sherwood 79 National Arboretum, D.C. 80-1' M
- *Abeliophyllum distichum* 77 Dr. Russell Southall 80-1' M
- *Abies blasamea nana* 80 Flora Knoll Farms, NC 80-6" M
- *Abies cephalonica* 80 Seed 80-2" N
- *Abies firma* 79 National Arboretum, D.C. 80-1' M
- *Abies grandis* 80 Seed 80-2" N
- *Abies nordmannia prostrata* 80 J. Vermeulen & Sons, NJ 80-4" M
- *Abies pinasapo glauca* 80 J. Vermeulen & Sons, NJ 80-6" M
- *Abies procera* 80 Seed 80-2" N
- *Abies sachalinensis* 79 Arnold Arboretum, MA 80-4" M
- *Acanthopanax gracilistylus* 78 National Arboretum, D.C. 80-5' M
- *Acanthus mollis* 78 Monrovia Nursery, CA HP M
- *Acer barbatum* Old ?? 100' C-C37
- *Acer buergeranum* 78 Greer Gardens, OR 80-7' M
- *Acer buergeranum* Miyasama 79 National Arboretum, D.C. 80-4' M
- *Acer campestre* 77 M
- *Acer capillipes* 78 Seed 80-4' M
- *Acer carpinifolium* 79 J.D. Vertrees, OR 80-3' M
- *Acer circinatum* 80 Seed 80-1' M
- *Acer circinatum* Monroe 79 Greer Gardens, OR 80-3' M
- *Acer davidii* 79 M
- *Acer ginnala* Old ?? 80-15' M
- *Acer griseum* 77 Potomac Garden Center, MD 80-4' M
- *Acer japonicum aconitifolium* 78 Greer Gardens, OR 80-2' M
- *Acer japonicum aureum* 78 Greer Gardens, OR 80-8" M
- *Acer japonicum Maiku Jaku* 79 Greer Gardens, OR 80-1' M
- *Acer macrophyllum* 80 Monte Bello Nursery, CA 80-1' N
- *Acer maximowiczii* 79 J. D. Vertrees, OR 79-5' M
- *Acer mono* 79 J. D. Vertrees, OR 80-2' M
- *Acer negundo* Old ?? 79-36' C-C36
- *Acer negundo albo-variegata* 80 Arnold Arboretum, MA 80-1' M
- *Acer palmatum* ?? 79-4' C-C33
- *Acer palmatum Akaji Nishiki* 79 J. D. Vertrees, OR 79-2' M
- *Acer palmatum Assai Nishiki* 79 J. D. Vertrees, OR 79-1' M
- *Acer palmatum atropurpureum* 79 Local homeowner from yard 79-7' M
- *Acer palmatum atrolineare* 79 J. D. Vertrees, OR 80-2' M
- *Acer palmatum Burgundy Lace* 78 Greer Gardens, OR 78-1' M
- *Acer palmatum Butterfly* 79 Greer Gardens, OR 79-1' M
- *Acer palmatum dissectum atropurpurea* 80 Local homeowner from yard 80-15' M
- *Acer palmatum dissectum Seiryu* 79 J. D. Vertrees, OR 79-1' M
- *Acer palmatum dissectum Tamukeyama* 78 National Arboretum, D.C. 79-1' M
- *Acer palmatum Everred* 80 Nelson Nursery, N.C. 80-1' M
- *Acer palmatum Garnet* 80 Nelson Nursery, NC 80-1' M
- *Acer palmatum Hanami Nishiki* 79 J. D. Vertrees, OR 80-2' M
- *Acer palmatum Higasayma* 79 J. D. Vertrees, OR 80-4' M
- *Acer palmatum Kamagata* 79 J. D. Vertrees, OR 80-2' M
- *Acer palmatum Karasugawa* 79 J. D. Vertrees, OR 79-3' M
- *Acer palmatum Mama* 79 J. D. Vertrees, OR 80-2' M
- *Acer palmatum Okushimo* 79 J. D. Vertrees, OR 80-2' M
- *Acer palmatum Oshio-Beni* 78 Greer Gardens, OR 80-3' M
- *Acer palmatum Red Pygmy* 79 J. D. Vertrees, OR 80-1' M
- *Acer palmatum Sango Kaku* 78 Greer Gardens 80-4' M
- *Acer palmatum shindeshojo* 79 J. D. Vertrees, OR 80-2' M
- *Acer palmatum Tamureyama* 78 Greer Gardens, OR 79-1' M
- *Acer palmatum The Bishop* 78 National Arboretum, D.C. 80-3' M
- *Acer palmatum Trompenburg* 80 Monte Bello Nursery, CA 80-4" N
- *Acer palmatum Tsukumo* 78 Greer Gardens, OR 78-2' M
- *Acer palmatum Versicolor* 78 Greer Gardens, OR 78-1' M
- *Acer platanoides* Old ?? C

- *Acer pseudoplatanus* Brilliantissimum 79 J. D. Vertrees, OR 79-1' M
- *Acer rubrum* Old ?? 55' C-B32
- *Acer rubrum* October Glory Old Princeton Nursery, N.J. 79-15' M
- *Acer rubrum* var. *trideus* Old 79-85' C-B32
- *Acer saccharinum* C
- *Acer saccharum* Old 79-24' C-B32
- *Acer saccharum* var. *sacharum* Old 79-40' C-B32
- *Acer saccharum* Sentry Old Princeton Nursery, N.J. 79-15' M
- *Acer semenovii* 77 National Arboretum, D.C. 79-4' M
- *Acer shirasavanum* palmatifolium 78 78-6" N
- *Acer spicatum* 79 79-4" N
- *Acer triflorum* 79 J. D. Vertrees, OR 79-1' M
- *Acorus gramineus* 80 HP M
- *Acorus gramineus* minimus 80 Monte Bello Nursery, CA HP M
- *Acorus gramineus* variegata 79 Kridler Nursery, TX HP M
- *Actinidia arguta* 78 Cornell Plantations, NY V M
- *Aesculus carnea* 79 Monrovia Nursery, CA 80-2' M
- *Aesculus octandra* Old 79-32' C-B30
- *Aesculus* 79 UNC Botanic Garden, NC 80-1' M
- *Agapanthus africanus* 79 Monrovia Nursery, CA HP M
- *Agapanthus africanus* laba nana 79 Monrovia Nursery, CA HP M
- *Agapanthus africanus* Peter Pan 79 Monrovia Nursery, CA HP M
- *Agapetes serpens* 80 Strybing Arboretum, CA 80-4" N
- *Agave americana* (??) 80 Dallas retail nursery, TX 80-1' M
- *Agave parryi* huachucensis 79 Strybing Arboretum, CA 80-4" N
- *Agave utahensis* 80 Seed - Univ. of Utah 80-1" N
- *Ailanthus altissima* Old Wild seedling 80-40' C
- *Ajuga chamaepitys* 80 Berkeley Bot. Garden, CA 80-3" N
- *Ajuga reptans* 76 GC M
- *Ajuga reptans* alba 78 Powell's Gardens, NC GC M
- *Ajuga reptans* Greyleaf 78 GC M
- *Ajuga reptans* macrophylla 79 Powell's Gardens, NC GC M
- *Ajuga reptans* metallica crispa 78 GC M
- *Ajuga reptans* Pink Beauty 78 Powell's Gardens, NC GC M
- *Ajuga reptans* Rippleleaf 78 Jim Cooper, NC GC M
- *Ajuga reptans* tricolor 77 GC M
- *Akebia quinata* 78 Dr. Russell Southall V M
- *Akebia trifoliata* 80 Kew Gardens, England V M
- *Albizia julibrissin* Old 79-25' C-B35 *Alchemilla vulgaris* 80 Arnold Arboretum 80-GC M
- *Alnus glutinos* 78 80-9' M
- *Alnus luisuta* 80 80-1' M
- *Alnus pendula* 79 80-2' M
- *Alnus rhombifolia* 78 78-4' M
- *Alnus subcordata* 79 80-4' M
- *Alpina media* 80 Morris Arboretum, PA 80-4" N
- *Ampelopsis brevipedunculata* 80 Monte Bello Nursery, CA 80-1' N
- *Ampelopsis* Beverly Brooks 78 Monrovia Nursery, CA V M
- *Aralia spinosa* 78 Collected locally 80-3' M
- *Araucaria bidwilli* 78 Monrovia Nursery, CA 80-7' N
- *Araucaria araucaria* imbricata 80 Monte Bello Nursery, CA 80-1' N
- *Arbutus unedo* compacta 77 Monrovia Nursery, CA 80-4' M
- *Arctostaphylos densiflora* Howard McMinn 78 Monrovia Nursery, CA 78-1' M
- *Arctostaphylos* Kinnickinick 80 Bob Walters 80-4" M
- *Ardisia japonica* 78 National Arboretum, D.C. 80-3" M
- *Ardisia japonica* Shirodu Chirimen 80 National Arboretum, D.C. 80-3" N
- *Aronia arbutifolia* 79 80-5' M
- *Aronia arbutifolia* Brilliantissima 80 Plantings Field Arboretum, NY 80-3" M
- *Aronia melanocarpa* 80 Plantings Field Arboretum, NY 80-10" M
- *Arundinaria tecta* 78 Blue Mount Nursery, MD M
- *Arundinaria viridi-striata* 77 Blue Mount Nursery, MD M
- *Arundo donax* versicolor 78 Blue Mount Nursery, MD Grass M
- *Asclepias incarnata* 80 UNC Botanical Gardens, NC HP M

- *Asclepias tuberosa* 80 UNC Botanical Gardens, NC HP M
- *Asimina triloba* 79 UNC Botanical Gardens, NC 80-6' M
- *Athyrium niponicum* 80 Plantings Field Arboretum, NY HP M
- *Aucuba japonica* Croton 79 80-1' M
- *Aucuba japonica* dwarf green 78 80-1' M
- *Aucuba japonica* luteocarpa 79 National Arboretum, D.C 80-1' M
- *Aucuba japonica* salififolia 79 80-1' M
- *Aucuba japonica* serratifolia 79 80-1' M
- *Aucuba japonica* variegata 78 Taylors Nursery, NC 80-2' M
- *Baccharis pilularis* Twin Peak 80 Saratoga Hort. Found. CA GC M
- *Baccharis* sp. 79 Collected N.C. 79-2' M
- *Bambusa multiplex* 78 Blue Mount Nursery 78-1' M
- *Baptisia pendula* 80 UNC Botanical Garden, NC HP M
- *Berberis gagnepanii* 80 Arnold Arboretum, MA 80-4" M
- *Berberis gladwynensis* William Penn 78 Monrovia Nursery, CA 80-1' M
- *Berberis haematocarpa* 80 Arnold Arboretum, MA 80-3" M
- *Berberis julianae* Old NC Nursery 80-5' C-B35
- *Berberis sargentiana* 78 M
- *Berberis thunbergii* atropurpurea 78 Taylors Nursery, NC 80-2' M
- *Berberis thunbergii* atropurpurea nana 78 80-1' M
- *Berberis thunbergii* atropurpurea Gold Ring 78 Brookside Gardens, MD 80-1' M
- *Berberis thunbergii* atropurpurea Rosy Glow 78 Brookside Gardens, MD 80-2' M
- *Berberis thunbergii* aurea 79 80-1' M
- *Berberis thunbergii* Kobold 78 Arnold Arboretum, MA 80-1' M
- *Berberis trianthophora* 78 80-1' M
- *Bergenia cordifolia* 80 Plantings Field Arboretum, NY GC M
- *Betula alba* 79 80-10' M
- *Betula costata* 77 M
- *Betula jacquemontii* 80 Monte Bello Nursery, CA 80-2' N
- *Betula maximowicziana* 78 M
- *Betula microphylla* 80 80-1' M
- *Betula middendorffii* 78 M
- *Betula nana* 80 Monte Bello Nursery, CA 80-1" N
- *Betula nigra* Old NC Nursery 60' C-B37
- *Betula schmidtii*
- *Buddleia japonica* 78 80-4' M
- *Buddleia venenifera* 78 78-2' M
- *Buxus balaerica* 79 National Arboretum, D.C. 79-4" M
- *Buxus Brouwer's* Seedling 79 National Arboretum, D.C 79-8" M
- *Buxus* ? Fine Leaf 79 79-4" M
- *Buxus harlandii* 78 78-6" M
- *Buxus microphylla* Curlylocks 78 78-6" M
- *Buxus microphylla* koreana 79 National Arboretum, D.C. 79-6" M
- *Buxus microphylla* japonica M
- *Buxus microphylla* Kingsville *buxifolia* M
- *Buxus microphylla* Kingsville Dwarf 78 National Arboretum, D.C. 78-4" M
- *Buxus microphylla* Morris Midget 78 National Arboretum, D. C. 78-4" M
- *Buxus microphylla* sinica 79 79-6: M
- *Buxus Richardii* 78 78-6" M
- *Buxus sempervirens* C
- *Buxus sempervirens* (U. Va. Cv. - NA33789) 79 National Arboretum, D.C. 79-6" M
- *Buxus sempervirens* Anderson 78 National Arboretum, D.C. 78-6" M
- *Buxus sempervirens* argenteo-variegata 78 National Arboretum, D.C. 78-1' M
- *Buxus sempervirens* elegantissima 78 National Arboretum, D.C. 78-1' M
- *Buxus sempervirens* fastigata 79 National Arboretum, D.C. 79-1' M
- *Buxus sempervirens* globosa M
- *Buxus sempervirens* Hardwickensis 79 National Arboretum, D.C. 79-1' M
- *Buxus sempervirens* koreana 79 79-6" M
- *Buxus sempervirens* latifolia maclata 79 National Arboretum, D.C. 79-8" M
- *Buxus sempervirens* latifolia rotundifolia 79 National Arboretum, D.C. 79-1' M
- *Buxus sempervirens* macrophylla M
- *Buxus sempervirens* myrtifolia 79 National Arboretum, D.C. 79-1' M

- *Buxus sempervirens prostrata* 79 National Arboretum, D.C. 79-8" M
- *Buxus sempervirens pyramidalis* 79 National Arboretum, D.C. 79-6" M
- *Buxus sempervirens salicifolia elata* 79 National Arboretum, D.C. 79-1' M
- *Buxus sempervirens suffruticosa* M
- *Callicarpa americana* Old 79-4' C-C31
- *Callicarpa bodinieni* 80 80-3" M
- *Callicarpa cathayana* 80 80-1' M
- *Callicarpa japonica leucocarpa* 80 80-10" M
- *Callicarpa pilosissima* 80 80-10" M
- *Callicarpa tosaensis* 78 National Arboretum, D.C. 80-5' M
- *Calluna vulgaris* Lynnen Proudley 80 Flora Knoll Farms, NC 80-3" M
- *Calluna vulgaris* Peter Sparkles 80 Flora Knoll Farms, NC 80-6" M
- *Calluna vulgaris* Vivelli 80 Flora Knoll Farms, NC 80-4" M
- *Camellia japonica* Old 80-10' C,M
- *Camellia japonica* Nakifude Old 80-9' M
- *Camellia oleifera* Old 80-6' M
- *Camellia reticulata* Buddha 79 Monrovia Nursery, CA 79-2' M
- *Camellia sasanqua* Old 80-12' C-C35
- *Camellia sasanqua* White Doves 80 80-1' M
- *Camellia sasanqua* Yuletide 80 Monrovia Nursery, CA 80-2' M
- *Camellia sinensis* Old 80-5' C-C31
- *Campsis radicans* Old Campus-Wild V C
- *Campsis radicans flava* 78 Swiss Pines Gardens, PA V M
- *Campsis tagliabuana* Madame Galen 79 Monrovia Nursery V M
- *Carex grayi* 79 Brookside Gardens, MD HP M
- *Carex morrowii variegata* (Evergold) 79 Kridler Nursery, TX HP M
- *Carex pseudocyprus* 80 Seed HP M
- *Carpinus caroliniana* Old 80-30' C-B31
- *Carya illinensis* Old 80-65' C-B28
- *Carya pallida* Old 80-44' C-C35
- *Caryopteris X clandonensis* Dark Knight 77 80-2' M
- *Cassandra calyculata* 79 UNC Botanical Garden, NC 80-18" M
- *Castanea mollissima* Old 80-30' C-C38
- *Castanea pumila* C
- *Catalpa speciosa* Old 80-25' C-B35
- *Ceanothus thyrsiflorus* Skylark 78 Monrovia Nursery, CA 80-2' M
- *Cedrela sinensis* 78 Arnold Arboretum
- *Cedrus atlantica* 80 80-2' M
- *Cedrus atlantica aurea* 80 J. Vermulen & Son, NJ 80-8" M
- *Cedrus atlantica glauca pendula* 79 Monrovia Nursery, CA 80-5' M
- *Cedrus atlantica glauca pendula variegata* 77 Raraflora Nursery, PA 80-3' M
- *Cedrus brevifolia* 80 Seed 80-2" M
- *Cedrus deodara* Old 80-55' C-B28
- *Cedrus deodara* Descancio Dwarf 79 Greer Gardens, OR 80-1' M
- *Cedrus deodara* Kashmir 77 ? Nursery, TN 80-5' M
- *Cedrus deodara viridis prostrata* 79 Greer Gardens, OR 80-1' M
- *Cedrus libani* 78 N
- *Cedrus libani stenocoma* 80 Arnold Arboretum, MA 80-4" M
- *Celastrus orbiculatus* 78 V M
- *Celtis sinensis japonica* 80 80-5" N
- *Cephalotaxus harringtonis fastigata* Old 80-6' M
- *Cercidiphyllum japonicum* 78 Seed 80-3' M
- *Cercis canadensis* Old 80-20' C-B30
- *Cercis canadensis* Old 80-15' C-B31
- *Cercis canadensis* Forest Pansy 79 Kridler Nursery, TX 80-6' M
- *Cercis canadensis* Oklahoma 80 Buchanan Nursery, NC 80-5' M
- *Cercis chinensis* Old 80-14' C-B30
- *Cercis occidentalis* 79 Bob Walters 80-1' N
- *Celtis laevigata* Old 80-25' C-B36
- *Celtis occidentalis* Old 80-25' C-B37
- *Chaenomeles japonica* Chojubai 80 Monte Bello Nursery, CA 80-4" M
- *Chaenomeles japonica* Hine 80 Monte Bello Nursery, CA 80-3" N

- *Chaenomeles speciosa* alba Old C
- *Chaenomeles speciosa* Apple Blossom 80 Monte Bello Nursery, CA 80-4" N
- *Chaenomeles speciosa* Bonsai Princess 80 Monte Bello Nursery, CA 80-3" N
- *Chaenomeles speciosa* Cameo 77 80=2' M
- *Chaenomeles speciosa* Charlotte 80 Monte Bello Nursery, CA 80-3" N
- *Chaenomeles speciosa* contorta 80 Monte Bello Nursery, CA 80-2" N
- *Chaenomeles speciosa* Kuro 80 Monte Bello Nursery, CA 80-3" N
- *Chaenomeles speciosa* Orange Delight 80 Monte Bello Nursery, CA 80-4" N
- *Chaenomeles speciosa* Pink Lady 77 79-4' M
- *Chaenomeles speciosa* Spitfire 78 80-4' M
- *Chaenomeles speciosa* Stanford Red 80 Monte Bello Nursery, CA 80-3" N
- *Chaenomeles speciosa* Texas Scarlet 77 Greenleaf Nursery, TX 80-4' M
- *Chaenomeles speciosa* Toyo Nishiki 77 Greer Gardens, OR 80-2' M
- *Chaemaecyparis lawsoniana* 80 Bob Walters 80-2' N
- *Chamaecyparis lawsoniana* allumii 78 79-6" M
- *Chamaecyparis lawsoniana* albo-spicata 80 80-3" N
- *Chamaecyparis lawsoniana* Azurea 80 80-1' M
- *Chamaecyparis lawsoniana* Forsteckensis 80 Monte Bello Nursery, CA 80-4" N
- *Chamaecyparis lawsoniana* Stewartii 79 Monrovia Nursery, CA 80-3' M
- *Chamaecyparis nootkantensis* pendula 78 80-2' M
- *Chamaecyparis obtusa* aurea 77 79-4" M
- *Chamaecyparis obtusa* ericoides 77 M
- *Chamaecyparis obtusa* filicoides 77 M
- *Chamaecyparis obtusa* formosana 80 Morris Arboretum, PA 80-4" N
- *Chamaecyparis obtusa* lycopoides 80 80-3" N
- *Chamaecyparis obtusa* mariesi 78 79-6" M
- *Chamaecyparis obtusa* minima variegata 79 79-8" M
- *Chamaecyparis obtusa* nana aurea 80 80-4" M
- *Chamaecyparis obtusa* nana lutea 78 79-6" M
- *Chamaecyparis obtusa* pygmea 78 79-4" M
- *Chamaecyparis obtusa* Reiss Dwarf 77 79-6" M
- *Chamaecyparis obtusa* rumosa kos. 77 79-1' M
- *Chamaecyparis obtusa* Sanderi 77 79-1' M
- *Chamaecyparis obtusa* tetragona aurea 77 79-2' M
- *Chamaecyparis obtusa* torulosa 77 79-1' M
- *Chamaecyparis obtusa* variegata 80 Strybing Arboretum, CA 80-4" N
- *Chamaecyparis pisifera* Old C
- *Chamaecyparis pisifera* aurea nana 78 79-1' M
- *Chamaecyparis pisifera* filifera Old 80-20' M
- *Chamaecyparis pisifera* filifera aurea 78 79-1' M
- *Chamaecyparis pisifera* Gold Spangle 78 M
- *Chamaecyparis pisifera* juniperoides aurea 77 M
- *Chamaecyparis pisifera* minima aurea 77 79-4" M
- *Chamaecyparis pisifera* minima variegata 77 79-6" M
- *Chamaecyparis pisifera* plumosa Old 80-30' C-C29
- *Chamaecyparis pisifera* plumosa Crippsii 77 80-3' M
- *Chamaecyparis pisifera* plumosa Rogersii 78 79-1' M
- *Chamaecyparis pisifera* Snow 77 79-1' M
- *Chamaecyparis pisifera* squarrosa 77 79-2' M
- *Chamaecyparis pisifera* squarrosa lutea 78 79-2' M
- *Chamaecyparis pisifera* squarrosa Miko 79 79-4" M
- *Chamaecyparis pisifera* squarrosa minima 78 79-6" M
- *Chamaecyparis tetragonia* cv. Rumos 78 79-1' M
- *Chamaecyparis thyoides* 77 79-3' M
- *Chamaecyparis thyoides* andelyensis conica 79 79-6" M
- *Chimonanthus praecox* 80 Monte Bello Nursery, CA 80-6" N
- *Chimonanthus yunnanensis* 79 79-4" N
- *Chionanthus retusus* 79 Kridler Nursery, TX 79-4' G
- *Chionanthus virginicus* Old 80-20' C-C36
- *Chrysogonum virginiana* 80 UNC Botanical Gardens, NC HP M
- *Citrus taiwanica* 80 Callaway Gardens, GA 80-4' M
- *Cladrastis lutea* Old 80-18' C-C28

- Clematis Henryi 80 Taylors Nursery, NC 80-V N
- Clematis Pink Chiffon 80 Taylors Nursery, NC V M
- Clerodendrum trichotomum 78 80-7' M
- Clethra alnifolia 79 UNC Botanical Gardens, NC 79-1' M
- Clethra alnifolia Pinkspire 80 Wayside Gardens Nursery, SC 80-2' N
- Clethra barbinervis 80 National Arboretum, D.C. 80-2' M
- Clivia miniata 80 Monte Bello Nursery, CA HP N
- Colchicum 80 Broadleigh Gardens, England HP M
- Acrippinum, autumnale, autumnalis album, autumnalis plenum, bornmulleri, bysantinum, Lilac Wonder, luteum, speciosum,
- The Giant, Violet Queen
- Convolvulus cneorum 80 Monte Bello Nursery, CA 80-6" N
- Chrysanthemum maximu - May Quenn, Secundum, Star of Antwerp, Lucky Star
- 79 Benson Kirkman HP M
- Cornus alba X P.I. 367881 78 79-2' M
- Cornus alba variegata 78 79-3' M
- Cornus capitata 80 Monte Bello Nursery, CA 80-1' N
- Cornus controversa 79 U. of Wash. Arboretum, WA 80-2' M
- Cornus X Eddie's White Wonder 79 Greer Gardens, OR 80-7' M
- Cornus elegantissima lutea variegata 80 80-1' M
- Cornus florida Old 80-15' C
- Cornus florida Barton 80 80-2' M
- Cornus florida First Lady 79 80-6' M
- Cornus florida flora plena 80 Flora Knoll Farms, NC 80-6" M
- Cornus florida pendula Old 80-4' C
- Cornus florida Purple Glory 80 Greer Gardens, OR 80-3' M
- Cornus florida rubra Old 80-15' C-B28
- Cornus kousa 78 Seed 80-4' M
- Cornus kousa chinensis Summer Stars 79 Wayside Gardens 80-4' M
- Cornus mas 80 Monte Bello Nursery, CA 80-6" N
- Cornus mas aurea 80 National Arboretum, D.C. 80-6" M
- Cornus mas nana 79 Arnold Arboretum, MA 80-1' M
- Corokia cotoneaster 80 Monte Bello Nursery 80-3" N
- Cortaderia selloana 78 Taylors Nursery, NC Grass M
- Cortaderia selloana Gold Band 80 Greenleaf Nursery, TX Grass M
- Corylopsis pauciflora 80 Gossler Farms Nursery, OR 80-1' N
- Corylopsis sinensis 80 Gossler Farms Nursery, OR 80-2' N
- Corylopsis spicata 80 Gossler Farms Nursery, OR 80-2' N
- Corylus americana M Corylus avellana 80 80-4' M
- Corylus avellana contorta 79 80-4' M
- Corylus avellaena pendula 80 Arnold Arboretum, MA 80-6" M
- Corylus corluna 70 Princeton Nursery, NJ 80-15' M
- Cotinus NA 33348 79 National Arboretum, D.C. 79-2' M
- Cotinus americanus C
- Cotinus coggygria 77 Taylors Nursery 80-10' M
- Cotinus coggygria Royal Purple 80 Monte Bello Nursery, CA 80-3" N
- Cotoneaster 77833 78 80-4' M
- Cotoneaster 77834 78 80-5' M
- Cotoneaster 77837 78 80-3' M
- Cotoneaster 77838 78 80-4' M
- Cotoneaster 77862 78 80-4' M
- Cotoneaster adpressa Little Gem 78 80-8' M
- Cotoneaster congesta 79 79-1' N
- Cotoneaster conspicua var. decora 79 79-1' N
- Cotoneaster dammeri radican 78 80-1' M
- Cotoneaster dammeri Skogholmen 80 80-1' N
- Cotoneaster glaucophylla 78 80-1' M
- Cotoneaster horizontalis 76 80-2' M
- Cotoneaster horizontalis variegata 78 80-1' M
- Cotoneaster hybrid John Waterer 78 80-6' M
- Cotoneaster microphylla 79 80-2' M
- Cotoneaster microphylla thymifolia 78 80-1' M
- Cotoneaster parneyi 79 79-2' M

- *Cotoneaster salicifolia* rpenes 77 Longwood Gardens, PA 80-2' M
- *Cotoneaster X wateri* 79 79-1' M
- *Cotoneaster zabeli* 78 79-1' M
- *Crataegus phaenopyrum* Old 79-24' C-B29
- *Crocus* Sp. - *Karduchorum*, *laevigatus fontenayi*, 80 Broadleigh Gardens, England Bulbs M
- *medius*, *ochroleucus*, *salzmani*, *sativus*, *speciosus*,
- *speciosus aitchisonii*, *speciosus artabia*, *zonatus*
- *Cryptomeria japonica* Old 79-30' C-C37
- *Cryptomeria japonica aurescens* 79 80-3' M
- *Cryptomeria japonica Bandai-Sugi* 77 80-2' M
- *Cryptomeria japonica Benny's Best* 80 New Bern Nursery, NC 80-5' M
- *Cryptomeria japonica cristata* 79 80-18" M
- *Cryptomeria japonica dacyrloides* 80 Flora Knoll Farms, NC 80-2' M
- *Cryptomeria japonica Jundai-Sugi* 77 80-3' M
- *Cryptomeria japonica Knaptonensis* 77 80-1' M
- *Cryptomeria japonica nana* 77 80-1' M
- *Cryptomeria japonica Sekkan Sugi* 79 80-3' M
- *Cryptomeria japonica spirialis* 79 80-3" M
- *Cryptomeria japonica Tansu* 80 Mitsch Nursery, OR 80-3" M
- *Cryptomeria japonica variegata* 78 79-1' M
- *Cryptomeria japonica Vilmoriniana* 77 80-1' M
- *Cudrania tricuspidata* 78 80-6' M
- *Cunninghamia koniskii* 79 Seed 80-1' N
- *Cunninghamia lanceolata* Old 79-35' C
- *Cunninghamia lanceolata glauca* 79 Taylors Nursery, NC 80-4' M
- *Cuphea hyssopifolia* 79 Annual M
- *Cupressocyparis X leylandii* 77 Tinga Nursery, MD 80-17' M
- *Cupressocyparis X leylandii Castlewellan* 78 Greer Gardens, OR 80-7' M
- *Cupressocyparis X leylandii Haggerstown Grey* 78 Univ. of Tenn. Arb., TN 80-4' M
- *Cupressocyparis X leylandii Naylor's Blue* 79 National Arboretum, D.C. 80-2' M
- *Cupressocyparis X leylandii Silver Dust* 79 National Arboretum, D.C. 80-2' M
- *Cupressocyparis X leylandii variegata* 78 80-4' M
- *Cupressus abramsiana* 80 Seed 80-1' N
- *Cupressus arizonica* Old 80-20' C
- *Cupressus arizonica Gareei* 78 Monrovia Nursery 80-7' M
- *Cupressus bakeri* 80 Bob Walters 80-1' M
- *Cupressus funebris* (??) 80 New Bern Nurseries, NC 80-6' M
- *Cupressus goveniara Gloria Green* 80 Monte Bello Nursery, A 80-2" N
- *Cupressus lusitanica* 80 Seed 80-2" N
- *Cupressus macrocarpa* 79 Monrovia Nursery, CA 80-6' M
- *Cupressus macrocarpa contorta* 79 Powell's Gardens, NC 80-1' M
- *Cupressus macrocarpa Donard Gold* 80 Monrovia Nursery, CA 80-2' M
- *Cupressus macrocarpa pygmaea* 80 Monte Bello Nursery, CA 80-1" N
- *Cupressus sargentii* 79 79-1' N
- *Cupressus sempervirens glauca* 77 Taylors Nursery, NC 80-5' M
- *Cupressus sempervirens Swanes Golden* 80 Monrovia Nursery, CA 80-1' M
- *Cydonia sinensis* 80 Monte Bello Nursery, CA 80-1' N
- *Cyrilla racemiflora* Old 80-7' M
- *Cytisus burkwoodii* 78 Monrovia Nursery, CA 80-2' M
- *Cytisus Lilac Time* 78 Monrovia Nursery, A 80-3' M
- *Cytisus praecox Moonlight* 78 Monrovia Nursery, CA 80-2' M
- *Cytisus purgans* 80 80-4" M
- *Dahlia imperialis* 79 Leaning Pine Arboretum, CA HP-7' M
- *Danae racemosa* 77 Taylors Nursery, NC 80-2' M
- *Daphne burkwoodii* 80 80-3" M
- *Daphne burkwoodii Carol Makie* 80 Planings Field Arboretum, NY 80-6" M
- *Daphne caucasica variegata* 79 80-6" M
- *Daphne collina var. neapolitana* 80 80-2" N
- *Daphne odora* 77 Taylors Nursery, NC 80-2' M
- *Daphne odora aureomarginata* 77 Taylors Nursery, NC 80-1' M
- *Davidia involucrata* 78 Greer Gardens, OR 80-3' M
- *Dechisnea fargesii* 79 79-6" M

- *Decumaria barbara* 78 V M
- *Dendromecon harfordii* 80 Saratoga Horticultural Foundation HP N
- *Deutzia gracilis* 80 Plantings Field Arboretum, NY 80-1' M
- *Deutzia gracilis variegata* 80 Kew Gardens, England 80-1' M
- *Deutzia kalmifolia* 78 80-4' M
- *Deutzia parviflora* 80 80-1' M
- *Dicentra Luxuriant* 80 Wayside Gardens, SC HP N
- *Diervilla sessifolia* 80 Arnold Arboretum, MA 80-1' M
- *Diospyros kaki* (2 Cv. but names lost) 77 Dr James Ballington, NCSU 80-4',7' M
- *Diospyros virginiana* Old Native 80-24' M
- *Dodonaea viscosa* 79 Leaning Pine Arboretum, CA 80-2' M
- *Dryopteris ludoniana* 80 80-HP N
- *Elaeagnus angustifolia* M
- *Elaeagnus Clemsoni variegata* 78 Dr. Tom Krenitski, NC 80-2' M
- *Elaeagnus pungens* M
- *Elaeagnus pungens reflexa* 78 M
- *Embothrium coccineum* 80 Seed 80-2" N
- *Enkianthus campanulatus* 78 Seed - Mr. Bill Gensel 80-2' M
- *Enkianthus perulatus* 80 Plantings Field ARboretum, NY 80-4" N
- *Epimedium grandiflorum* 80 Arnold ARboretum, MA 80-2" M
- *Equisetum scirpoides* 80 Monte Bello Nursery, CA 80-2" N
- *EricaArthus Johnson* 80 Flora Knoll Farm, NC 80-10" M
- *Eriobotrya japonica* Old 80-9' M
- *Escallonia fradesi* 78 Leaning Pine Arboretum, CA Dies to ground M
- *Escallonia rubra* 78 Leaning Pine Arboretum, CA Dies to ground M
- *Escallonia Pride of Donard* 80 80-1' M
- *Escallonia montevidensis oregonensis* 80 Berkeley Botanic Garden, CA 80-6" N
- *Eucalyptus* sp. 78 Taylors Nursery, CA 80-4' M
- *Eucalyptus gunni* 80 Greer Gardens, OR 80-4' N
- *Eucalyptus niphophila* 80 Greer Gardens, OR 80-4' N
- *Eucommia ulmoides* Old Princeton Nursery, NJ 80-12' M
- *Euonymus alatus* Old 80-7' C
- *Euonymus alatus compacta* 77 Taylors Nursery, NC 80-2' M
- *Euonymus alatus variegatus* 80 Brookside Gardens, MD 80-3" M
- *Euonymus americanus* 78 80-4' M
- *Euonymus europeae* 79 80-2' M
- *Euonymus fortunei coloratus* 78 M
- *Euonymus fortunei Emerald Gaiety* 78 80-2' M
- *Euonymus fortunei Emerald & Gold* 78 M
- *Euonymus fortunei Golden Prince* 78 Monrovia Nursery, CA M
- *Euonymus fortunei gracilis* 78 M
- *Euonymus fortunei Kewensis* 77 M
- *Euonymus fortunei Longwood* 77 Longwood Gardens, PA 80-1" M
- *Euonymus fortunei minimus* 80 M
- *Euonymus fortunei vegetatus* 77 M
- *Euonymus grandiflorus* 80 80-2' M
- *Euonymus japonica albo-marginus* 77 M
- *Euonymus japonica aureovariegata* 78 M
- *Euonymus japonica microphyllus* 77 Taylors Nursery, NC 80-1' M
- *Euonymus japonica microphyllus variegatus* 78 Monrovia Nursery, CA 80-8" M
- *Euonymus kiauchovicus* 77 M
- *Euonymus nana Koopmans* 77 Goemer Botanic Gardens, WS 80-2' M
- *Euonymus fortunei variegata* 80 Brookside Gardens, MD 80-5" M
- *Eurya emarginata* 78 National Arboretum, DC 80-1' M
- *Evodia daniellii* 80 Morris Arboretum, PA 80-1' N
- *Evodia meliaefolia* 80 80-2' N
- *Exochorda korolkowii* 79 80-1' M
- *Exochorda racemosa* 77 Seed 80-3' M
- *Euryops pectinatus* 80 Strybing Arboretum, CA HP(A) M
- *Fagus crenata* 80 National ARboretum, DC 80-1' N
- *Fagus grandifolia* Old 150' C-C37
- *Fagus sylvatica pendula* 80 Peters & Wilson Nursery, CA 80-1' N

- *Fagus sylvatica tricolor* 80 Peters & Wilson Nursery, CA 80-1' N
- *Fatshedera* 80 Taylors Nursery, NC 80-3' M
- *Feijoa sellowiana* 78 Taylors Nursery, NC 80-3' M
- *Felicia amelloides* 80 Monte Bello Nursery, CA HA N
- *Firmiana simplex* 77 Seed 80-14' M
- *Fitzroya cupressoides* 80 Berkeley Botanic Garden, CA 80-8" M
- *Forsythia intermedia* 77 80-5' M
- *Forsythia intermedia* Arnold Dwarf 78 80-1' M
- *Forsythia intermedia aurea* 80 80-6" M
- *Forsythia intermedia bronxensisrf* 80 80-4" M
- *Forsythia intermedia* Lynwood Gold 80 Plantings Field Arboretum, NY 80-6" M
- *Forsythia intermedia* Spring Glory 80 Plantings Field Arboretum, NY 80-6" M
- *Forsythia ovata* 79 80-2' M
- *Forsythia suspensa* 78 C
- *Forsythia viridissima* C
- *Fothergilla gardeni* 80 Plantings Field Arboretum 80-4" M
- *Fothergilla parviflora* 80 Plantings Field Arboretum 80-4" M
- *Franklinia alatamaha* 77 UNC Botanic Garden, NC 80-9' M
- *Fraxinus americana* Old 79-28' C-B28
- *Fraxinus americana* Madison Old Princeton Nursery, NJ 79-18' M
- *Fraxinus americana* male Old Princeton Nursery, NJ 79-18' M
- *Fraxinus americana* Rosehill 79 Monrovia Nursery, CA 80-9' M
- *Fraxinus lamiginosa* 79 79-1' M
- *Fraxinus longicuspis* 80 National Arboretum, DC 80-1' M
- *Fraxinus pennsylvanica* Old 79-35' C-C32
- *Fraxinus sieboldiana* 79 80-2' M
- *Fraxinus velutina glabra* Old Princeton Nurseyr, NJ 80-17' M
- *Fremontodendron mexicanum* 80 City College of SF, CA 80-4" N
- *Gaillardia Goblin* 79 Benson Kirkman HP M
- *Gardenia fortuniana Veitchi* 77 Taylors Nurery, NC 80-4' M
- *Gardenia radicans* 79 Taylors Nursery, NC 80-1' M
- *Gaultheria procumbens* 80 Bob Walters 80-1' M
- *Garrya elliptica* James Roof 79 Greer Gardens, OR 80-2' N
- *Gelsemium sempervirens* 78 Taylors Nursery, NC V M
- *Genista pedunculata diffusa* 80 Kew Gardens, England 80-3" M
- *Ginkgo biloba* Old 79-30' C-B38
- *Gleditsia triacanthos* var *inermis* Moraine Old 79-45' C-B29
- *Gleditsia melanacantha* 79 National Arboretum, DC 80-7' M
- *Glyptostrobus lineatus* 80 Berkeley Botanic Garden, CA 80-2' M
- *Gordonia axillaris* 80 Arnold Arboretum 80-3" M
- *Gordonia Lasianthus* 77 UNC Botanic GArden, NC 80-5' M
- *Gunnera chilensis* 80 Strybing Arboretum, CA HP N
- *Gymnocladus dioica* Old 80-12' C
- *Halesia carolina* Old C
- *Hamamelis X intermedia* Arnold Promise 78 80-3' M
- *Hamamelis X intermedia* Jelana 78 80-5' M
- *Hamamelis mollis* 80 Girard Nursery, OH 80-1' M