

SPRING

1959

Short Guide

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Short Guide

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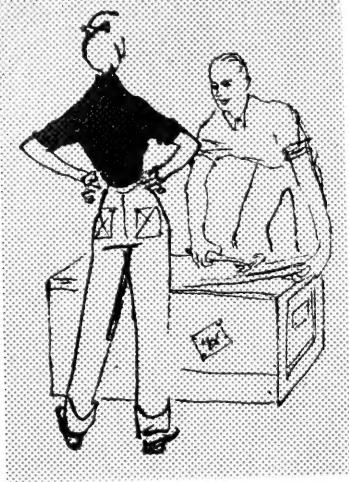


Azalea ledifolia in May (See Azaleas pages 6 and 7)

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IN THIS SHORT GUIDE it is taken for granted that most trees and shrubs require normal food, air and water. Thus a plant needing more air than usual at its roots is marked "loose soil" or "drain". Plants very easy to grow are referred to as "tolerant" or may have no notes whatsoever.

Light — "sun", "shade".

Light makes the chlorophyl factory turn its wheels. All plants need some. Those that get along best on little light are marked "shade" in this Guide. Those that need a great deal are marked "sun".—Normal plants are not marked.

Air — "loose", "heavy", "drain".

Roots get oxygen from air that filters into the earth. Some plants need more than others; these must have loose soil and will suffocate in heavy damp clays. Such plants are marked "drain".

Water — "damp", "dry".

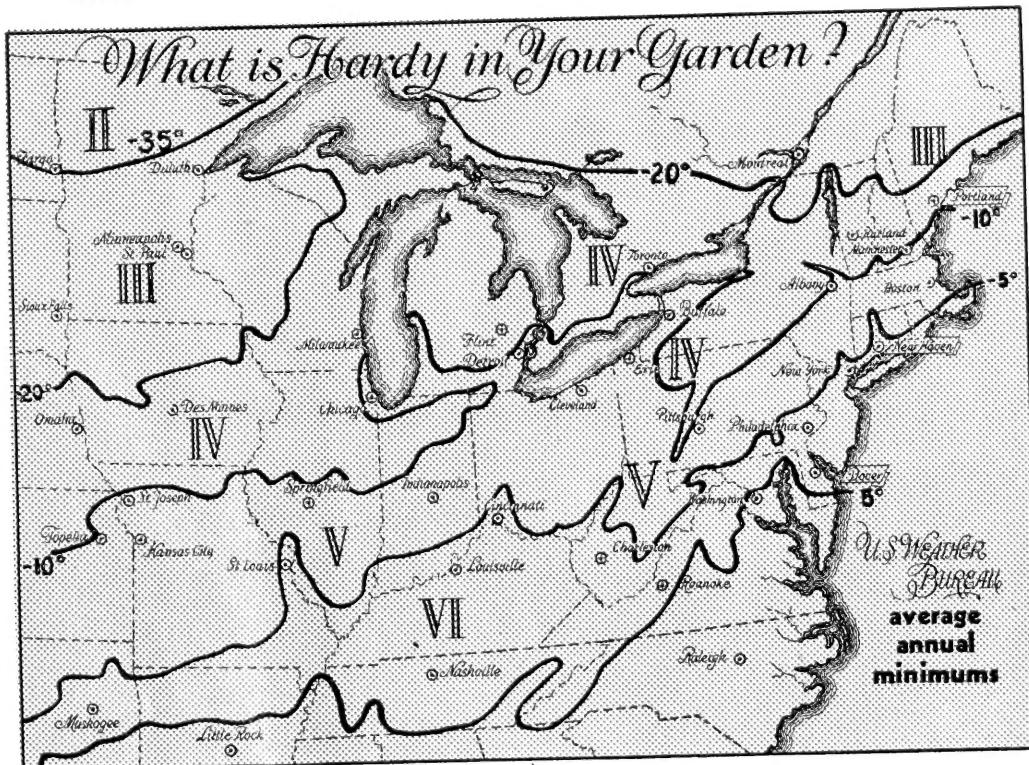
Roots can only use chemicals that are dissolved in water. Also, water is the means of transportation up the stem. Some plants need more than others and die in severe drought. In the descriptions such are marked "damp". A loose soil quickly dries, a heavy soil keeps damp. Thus water and air for the roots are both present in a mixed soil.

Food — "humus", "rich", "barren".

a. **Potassium**—most soils have plenty.

b. **Phosphorus**—needs to be added in most soils with fertilizer.

c. **Nitrogen**—Fertilizer supplies it, but water quickly leaches it out, so permanent plants depend on bacteria in the soil. These bacteria depend on:—1. Acidity of soil (lime, etc.); 2. Drainage of soil (air); 3. Humus in the soil (food).



CLIMATE MAP

The numbers I to VII in the map refer to Zone numbers printed after each plant name throughout this Guide. It shows the northern limit beyond which any given plant cannot grow. This is not a perfect rule. Two modifications might be mentioned. East of Indianapolis, a damper climate makes all evergreens hardier. West of Indianapolis hot western summers make deciduous trees hardier than rated in this Guide. If the Zone is in brackets (IV), plant needs protected site to be hardy there.

I received orders from seven nurseries this spring and your order came through the nicest of all. Thank you for the fine packing.

Mrs. H. D. S., Topeka, Kans.

The crate of myrtle was really a pleasure to open and examine. It really surpassed anything in neatness and freshness that I have received. I most gladly shall recommend you to my friends.

M. M. T., Brooklyn, N. Y.

The taxus capitata were received on time. I certainly appreciate the quality. I wrote M—— for reference and their assurance of your reliability and quality of stock was more than borne out by the trees I received.

H. R. B., Indianapolis, Ind.

Mrs. V. and I wish to tell you how efficient and fair you are, in treating customers. Ever since 1943 our dealings have been most satisfactory.

A. W. V., Philadelphia, Pa.

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Deciduous

AZALEAS

Knaphill Hybrids. 3 to 5 ft. Zone VI. Noted for wonderful colors, perfume, Autumn foliage. Mixed seedlings.

*4-8 in. X 5 for \$4.00, 50 \$27.50

Mucronulatum — April, Purple. Zone IV. The earliest Azalea. *8-12 in. X 5 for \$7.00, 100 \$90. 15-18 in. BB \$6. each, 5 for \$25.

Mollis (Chinese Azalea). 2 to 5 ft. Sun, acid, loose. Zone V. Easy to grow. Large blooms and striking colors. May. Mixed colors:—

*6-8 in. X 5 ppd. \$4.50, 100 \$60. 12-15 in. BB \$5.50 each, 5 \$25.

—Named Colors: red, orange, yellow.

10-15 in. \$3.00, any 2 \$5.00 ppd.

Mollis (pontica) Hybrids. 5 ft. Zone V. Generally, larger and brighter blooms than mollis. 12-15 in. BB \$6.00 each, 5 \$25.

—CB Van Ness—Fire-red.

—Dir. Moerlands — bright yellow.

—Peter Koster—orange-red.

—Lemonara—Apricot, yellow.

Schlippenbachi. 15 ft. Zone IV. Large bright pink, scented. Rare.

*6 in. X 5 for \$7.50 ppd., 25 \$20. 10-12 in. BB \$6.50 each, 5 \$30.

Rosea. 9 ft. Zone III. Dark pink in May. Much better than nudiflora, but scarce. 12 in. clumps 5 \$18.50, 100 \$125.

Viscosa — White, June. Zone III. 5 ft. Loves damp soil.

*12 in. S ...10 \$7.50, 100 \$50.00 12 in. BB 5 \$8.00, 100 \$140.00

Arborescens. 9 ft. Zone IV. Fragrant white, July.

*12-15 in. X...2 for \$3.95, 10 \$15.00.

Atlanticum. 2 ft. Zone VI. Very fragrant, pinkish.

*8-10 in. X...2 for \$3.95, 10 \$15.

Calendulacea. 9 ft. Zone V. Big flame colored bloom, May.

*6-8 in. X...5 for \$6.00, 100 \$75. 12 in. BB...5 \$8.00, 100 \$140.00.

Canadense (Rhodora). 3 ft. Zone II. Purple, April. Moist, acid. The hardiest. (Collected carefully.)

12 in. BB 5 for \$12.50, 100 \$150.

Japonica. 6 ft. Zone IV. Orange to flame in May. Very hardy.

*6-8 in. X...2 for \$2.75, 10 \$10.

Gandevensis (Ghent Hybrids). 3 ft. Zone IV. Various colors. May.

—Daviesi—cream, tall, late.

—Bouquet de Flore—pink.

—Coccinea speciosa — orange red.

—Fanny—soft red.

—Nancy Waterer—yellow.

12-15 in. BB ...\$6.00, 5 for \$25.



Azalea HINOCRIMSON (photo)

A dwarf, hardier evergreen Hinodigiri. Large, crimson-red, does not fade, (as Hinodigiri does). Fragrant. Zone V. The plant pictured grew in 3 years from a 3-inch pot plant. 463 blooms were counted on it.

3-yr. XX 5 for \$7.00, 25 \$20.00
6-8 in. BB \$3.00, 5 for \$12.50
8-10 in. BB \$4.50, 5 for \$20.00
12-15 in. BB \$5.50, 5 for \$25.00
15-18 in. BB \$7.00, 5 for \$30.00

Kurume (Japanese Evergreen). 2 to 4 ft. Acid, humus, various colors in May. Zone VI. These are fine dwarf evergreens.

—Flame—Coppery red. Zone VI.

—hinodigiri. Brilliant red. Zone VI. Covered with flowers.

—hinamayo. Clear pink. Zone VI.

—Sherwood Red. Zone V. Dwarf, compact. Brilliant color.

Any of above 4 kinds priced:—

*3-yr. XX 5 ppd. \$6.50, 100 \$90. 8-12 in. BB \$3.95 ea., 10 \$32.50.

Hexe. Zone V. small bush. Evergreen. Crimson red late May.

*3-yr. X5 \$7.00, 100 \$90. 8 to 10 in. BB \$4.25, 5 for \$18.

6 June-blooming EVERGREEN Azaleas

(one each of smallest sizes shown for \$11.50 postpaid)

Macrantha (Indicum) Evergreen. 3 ft. Dense. Acid, loose. Salmon-red in June. Zone V.

—flora plena. Double red. In bloom to July. Zone VI.

*4 yr. XX..5 ppd. \$8.50, 25 \$30.00. 12-15 in. BB..\$5.50 each, 10 \$45.

Beni-Kirishima — low, spreads. Zone V. Double old rose. June.

*3 yr. X.....10 \$13.50, 100 \$95.00 10-12 in. BB, \$4.50 each, 10 \$37.50

Gumpo. Very dwarf. Zone VI. Huge frilled pure white.

*3 yr. XX5 for \$9.00 ppd. 6 to 8 in. BB\$4.75, 5 for \$20.00

Gable "D5G". Low, Zone V. Salmon-red, double.

—Jimmy Coover. Zone V. Bushy; single red.

Above 2 kinds:—

*3 yr. X.....2 for \$3.50, 10 \$13.00 8-10 in. BB\$3.90, 5 \$15.00

Gayest and brightest of all flowering plants. Grow best in sun or light shade. Given ordinary garden soil, Azaleas will succeed provided acid conditions exist. All kinds listed here are evergreen except those specially noted at left of previous page. Azaleas take the same culture as Rhododendrons. See page 14.

Evergreen

AZALEAS

GABLE HARDY AZALEAS

These hybrids have been made in the effort to originate a hardier strain of the Japanese type of Azalea, keeping form and color. Live and bloom in Zone V.

Rose Greely—Hardy, pure white.

Herbert—Crimson-purple.

Billy—Good single red.

Cameo—Soft double pink.

Mary Ann—Double pink.

Linda Ann—Double pink.

Purple Splendor. Rich purple.

Rose-Bud. Very double pearly pink. Extremely dainty.

"**Early Rosebud**." (C 12 G)

"**Dark Rosebud**." (FGG)

Any of above kinds: 3 year XX, 5 assorted \$8.50, 5 one kind \$7.50
8-12 in. BB \$4.50 each, 5 for \$19.50.

Amoena. 4 ft. Almost a species. Type is rosy purple. Zone V.

—**carminata splendens**. Big red.

*3 yr. XX—Any one kind:
5 for \$7.50 ppd., 100 \$90.00

Feldyk Hybrids. "Sweet-pea" Azaleas. Large bright flowers. Zone V.

—**Orion**—Salmon-pink.

—**Chloris**—Good pink.

—**Jeanne**—Violet.

*4 yr. XX 5 for \$9.50, 25 \$30.00

Kurume (See previous page)

Macrantha (See previous page)

Maxwelli. Zone VI. Clear dark red, late May. Large blooms. An old but rare plant, unlike all other evergreen Azaleas.

*4 yr. XX5 for \$9.50 ppd.
12 to 15 in. BB ...\$5.50, 5 for \$22.

Kaempferi (Torch Azalea). Zone IV. 8 ft. Red to orange. May. Only semi-evergreen.

*6-10 in. XX 10 \$15.00, 25 \$30.00

KAEMPFERI HYBRIDS

Semi-evergreen. 8 ft. Flowers larger and better color. May. Zone IV.

—**Othello**—Brick-red.

—**Betty**—Showy pink. Compact.

—**Atlanta**—Light purple.

—**Carmen**—Rose, tall.

—**Lakme**—Pink, compact.

—**Mikado**—Showy red.

Any of above kinds:
*4 yr. XX 2 for \$3.50, 25 \$30.00
12-15 in. BB \$4.95 each, 10 \$45.00

Ledifolia (mucronatum). Evergreen, 6 ft. Bushy. Acid, humus, loose. Late May. Zone (V), VI. Handsome, dense.

—**alba**. White against dark green.

12-15 in. BB \$5.50, 5 for \$22.00

—**Delaware Valley White**. The same, but hardier.

—**rosea**. Rose tinted, large.

—**rubra**—double red. Tall.

Any of above 4 kinds:
*4 yr. XX 2 for \$3.50, 10 \$15.00

Vuykiana Hybrids. 6 ft. Zone V. May. Big blooms, like evergreen "Ghent Hybrids."

—**Palestrina**—Fine tall white.

10-12 in. BB \$5.25, 10 for \$47.50

—**J. S. Bach**—Rosy purple.

—**John Strauss**—Rose, blotched.

Any of above 3 kinds:
*4 yr. XX 2 ppd. \$3.50, 10 \$15.00

Azalea Macrantha in June. Late Azaleas are showy.



Symbols: GRADES OF NURSERY STOCK

*

Indicates a small plant not yet shapely. (No mark at all before the size indicates fairly shapely landscape grade.)

S

Seedlings (or cuttings) not yet transplanted. Plant 3 in. apart in beds, for evergreen kinds, which need shade for two years when they are "X" grade below. Deciduous trees and shrubs are quicker growing and need less care, but should be cut back upon planting.

X

Transplants. Bushier roots and tops. Space 5 or 6 inches apart in beds for evergreens, and shade the first summer. In planting evergreens be careful to keep package moist, remove only one plant at a time to set in the ground, otherwise roots dry out. In two years they are "XX" grade below. Deciduous trees and shrubs are much hardier and need no special care as transplants, except in pruning.

XX

Twice transplanted stock. Much bushier in roots and tops. In deciduous trees and shrubs, "XX" grades are specimens. In evergreens, which grow much more slowly, space 8 to 10 inches apart at least, and no shade is needed. But plant otherwise as for transplants. These are the largest evergreens that can be shipped with little expense, perhaps 10 to 15% extra for express.

POT

Any of the above can be grown in pots, and thus handled with a pot ball almost any time of year. Just dig a hole to fit, press earth around on all sides, soak. Space twice the size of the pot at least (2 inch pots space 4 inches, etc.). Very small pots need shade first year, larger sizes not. Much safer than bare root stock, but much costlier for express. Perhaps 30%. (2-inch pots, handle like "X" grades; 4-inch pots like "XX" grades.)

BB

Plant-bands can be used instead of pots. Treat the same way. See page 36 for special offers.

Balled and burlapped landscape specimens. Usually only evergreens are balled. Deciduous shrubs and trees are handled bare root in specimen sizes, the only special care is to watch they are not planted deeper than they stood in the nursery. (Check soil mark in lower stem.) B&B stock costs are high for express—50% of cost of stock or more. Bare root deciduous trees and shrubs cost 20% or less for specimens by express.

COLLECTED

A few kinds of natives (mostly rhododendrons) can be safely brought direct from the native field to your garden. Described and priced on page 16.

YOUNG BROADLEAF EVERGREENS

(10) (100) (1000)

BERBERIS juliana

2 in. pot 9.00 60.00
10-12 in. XX 20.00 160.00

BUXUS (Boxwood)

—**Korean** (hardy dwarf)
2 inch pot 12.00 75.00
—**suffruticosa** (Dwarf, English)
1 year X 22.00 195.00

ILEX (Holly)

—**crenata** (Japanese)
6-10 in. X 9.00 55.00
4-8 in. S 30.00 175.00
10-12 in. XX 20.00 160.00

—convexa (Boxleaf)

4-6 in. X 7.50 40.00 300.00
12-15 in. X .. 12.50 90.00

—cren. rotundifolia

6-8 in. X..... 7.50 50.00 400.00

LAUROCERASUS Schipkaensis

3 in. pot 12.50 90.00

LEUCOTHOE catesbaei

2¼ in. pot .. 9.00 60.00 450.00
4 in. pot XX 19.00 135.00 990.00

MAHONIA (Hollygrape)

—**aquifolium** (Oregon)
2¼ in. pot .. 9.00 60.00

OSMANTHUS aquifolium

2 in. pot 6.00 45.00 350.00

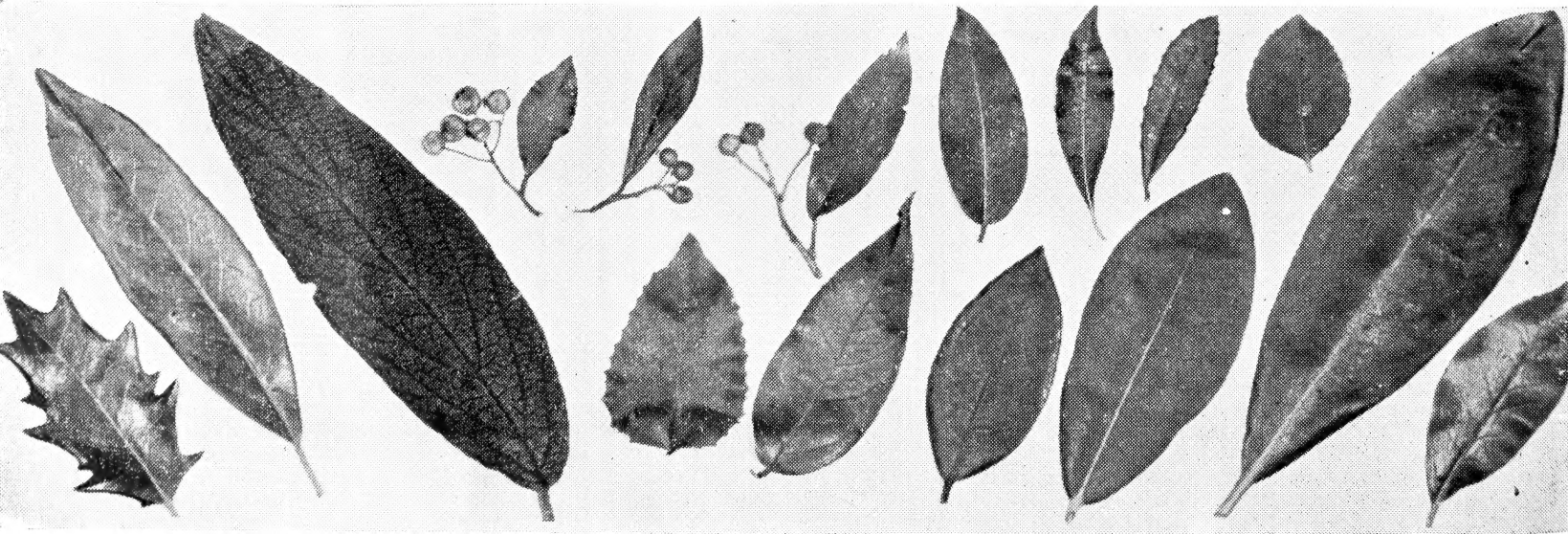
PIERIS japonica (Andromeda)

4-6 in. X 6.00 40.00 335.00
10-12 in. X.... 10.00 85.00 750.00

PYRACANTHA (Firethorn)

—**Lalandi** (hardy)
3 in. pot 12.00 85.00 750.00

(Bottom) Osmanthus, laurocerasus, Viburnum rhytidophyllum, Mahonia, Leucothoe, Rhododendron Carolina, Catawbiense, maximum, Kalmia. (Top row) Pyracantha Lalandi, Cotoneaster salicifolia, Stransvaesia, Pieris floribunda, P. japonica, berberis Juliana, Euonymus patens.



On the following pages are arranged alphabetically the really choice, showy Evergreen Shrubs. No plants in gardens are easier to care for, once planted on suitable sites. Their very name tells the treatment: Broad evergreen leaves transpire water constantly so extra moisture is needed when planting and all year. Mulching with peat helps conserve soil moisture. All easy to grow—Acid-soil kinds, however, *must* have acid soil.

Abelia grandiflora.



BROADLEAF EVERGREENS WITH BALL



No fertilizer—little or no pruning. Mulch with leaves after planting. Water well.

Broadleaf Evergreens

Pages 9 to 17

ABELIA. Easily grown, tolerant evergreen shrubs. Sun.

—**Grandiflora** (Glossy Abelia). 5 ft. Zone V, evergreen to Zone VI. Almost perfect shrub. Small bright leaves, graceful growth. Any soil. Sun. Pinky-white bells from June to October. Leaves bronze in winter.

*12-18 in. X2 \$2.00, 10 \$7.50
1½-2 ft. X \$2.50 each, 10 \$15.00
2-3 ft. heavy \$4.50 each, 5 \$15.00

—**Edward Goucher.** New (Pink Abelia) 5 ft. Zone VI. More evergreen than above. Flowers twice as large and strong, clear pink, June to October.

*2 in. pots10 \$7.50, 100 \$60.00
4 in. pot\$3.00 each, 10 \$20.00
18-24 inch \$5.50 each, 10 \$40.00

—**USDA No. 101092**—New form like Edward Goucher, but darker pink.

*2 in. pot2 ppd. \$3.50, 5 \$6.00

AZALEA—Both evergreen and deciduous kinds, pages 6 & 7.

Planting Evergreens without a Ball



1. Keep plants covered all the time except for the one being planted. This is most important of all.

2. Work loose, prepared earth around the roots by hand.

BROADLEAF EVERGREENS

PHNE cneorum (Garland wens). 1 ft. Zone IV. Perhaps finest rock-garden evergreen. Very fragrant rose flowers (Pat. 1073) in May and again in June. Needs sun. Spreads. 1/4 inch BB \$4.00 each, 5 \$17.50

ONYMUS New Shrub forms. Zone V. The following patented varieties are true shrubs.

ride (Pat. 1073)—4 ft. wide 1 high.

harm (Pat. 1079)—4 ft. columnar.

ushion (Pat. 1112)—1½ ft. wide, spreads.

1/4 inch\$2.95 each, 2 \$5.75

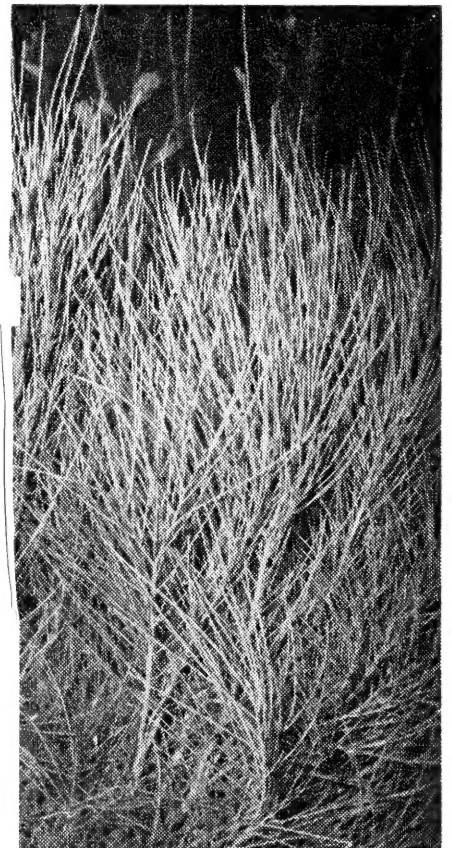
egetus. Large leaves, vigorous growth. A few climbing leaders. Large fruit.

1/4 inch\$3.00 each, 10 \$25.00
1/4 inch pot 10 \$8.00, 100 \$50.00

tens. 8 ft. shrub. Zone VI. Practically evergreen. Easily grown.

1/4 inch pot ..5 \$4.00, 100 \$45.00
18 inches \$2.50 each, 10 \$20.00
1½ ft.\$5.00 each, 100 \$40.00

Some Stems resemble a dwarf pine.



Symbols: GRADES



Indicates a small plant before the symbol grade.)

S

Seedlings (or cuttings) 1/2 in. apart in boxes. Shade for two years. Deciduous trees need less care, 1

X

Transplants. Balled and burlapped. 1/2 inches apart in boxes. First summer. Keep package moist. To set in the ground. Years they are "shrubs" are much. Transplants, except

XX

Twice transplanted. In deciduous specimens. In evergreens, space 8 inches. Shade is needed. Plants. These are shipped with literature for express.

POT

Any of the above handled with a dig a hole to fit. Space twice the space 4 inches, year, larger size stock, but much inch pots, handle "XX" grades.)

BB

Plant-bands can same way. See

Balled and burlapped only evergreens are handled. Special care is than they stood lower stem.) B& 50% of cost of trees and shrub express.

COLLECTED

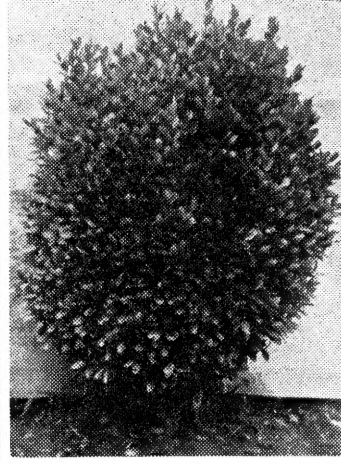
A few kinds of be safely brought garden. Describe



Daphne cneorum



Erica carnea



Buxus suffruticosa

BERBERIS Juliana (Winter-green Barberry). 7 ft. Zone V. Evergreen. Sun or shade. Flowers small, fruit black. Hardest of thoroughly evergreen Barberries. Good stout bush. Thorny.

*2 in. pots5 \$5.00, 100 \$60.00
*10 in. XX 10 \$20.00, 100 \$160.00
15-18 in. BB \$6.00 each, 10 \$55.00

Chenaulti. New. Zone V. Hybrid dwarf. 5 ft. Yellow bloom.

2 1/4 in. pot2 for \$4.00, 5 \$8.00

verruculosa. 5 ft. Zone V. Dense, spreading. Besides good evergreen leaves, has large showy gold blooms in May.

*2 inch pot5 \$4.50, 100 \$75.00
15-18 in. BB \$5.50 each, 10 \$50.00

Candidula. 3 ft. Zone V. Very rich green leaf. Best dwarf.

*2 in. pot5 \$8.00, 25 \$30.00

triacanthophora. 5 ft. Zone V. Narrow, long leaves. Different.

*2 1/4 in. pot5 \$6.00, 25 \$20.00
12-15 in. BB \$6.00 each, 10 \$50.00

BUXUS microphylla Koreana (Korean Box). 2 1/2 ft. Zone IV. Very compact and dense. Any soil. Prefers sun. Neat edge for a garden. Winter leaves good green. (Arnold Arboretum type).

*2 1/4 in. pots 5 ppd. \$7.00, 100 \$85
8-10 in. BB \$4.75 each, 10 \$40.00

—**japonica** (Japan Box). 8 ft. Zone V. Hardy, upright bushy shrub. Hardest in shade.

*10-12 in. X 10 \$12 ppd. 100 \$80
12-15 in. BB \$4.50 each, 10 \$35.00

—**compacta**. Very rare, very dwarf, very hardy.

*2 1/4 in. pot 2 for \$3.25, 10 \$15.00

BUXUS Suffruticosa (Dwarf "English"). To 6 ft. Zone V. A billowy dense mass of dark green. This is the box of collectors. Small plants used for real box edging. Any soil. Sun or part shade.

*1 yr. X25 \$6.50, 100 \$22.00
*4-6 in. X 5 ppd. \$4.00, 100 \$65.00
6-8 in. BB ..\$3.00 each, 10 \$25.00
12-14 in. BB \$6.50 each, 5 \$30.00

C A L L U N A vulgaris (Scotch Heather). 2 ft. Zone V. Likes drainage, acid, wind. Evergreen. Rosy-purple, July and August.

2 inch pot10 \$7.50, 100 \$55.00
3 inch pot5 \$6.75, 100 \$110.00

Also any one variety below:—

—**rubra** (Red Heather)

—**alba erecta**—Taller form, white.

—**alba minor**—Dwarf white.

—**County Wicklow**—Double pink.

—**hammondi**—Robust white.

—**rosea**—Pink, delicate form.

—**alporti**—Carmine.

—**cuprea**—purple bronze.

3 in. pot \$1.95, 10 \$13.50, 100 \$110

CAMELLIA sasanqua (Hardy Camelia). This gorgeous fall-bloomer (Oct.-Nov.) is proving hardy in parts of Zone VI. Humus, fertilize, extra watering, semi-shade. Worth trying. Dark shiny evergreen leaf.

—**Jean May**—Large double pink

—**Cleopatra**—3 in. double rose.

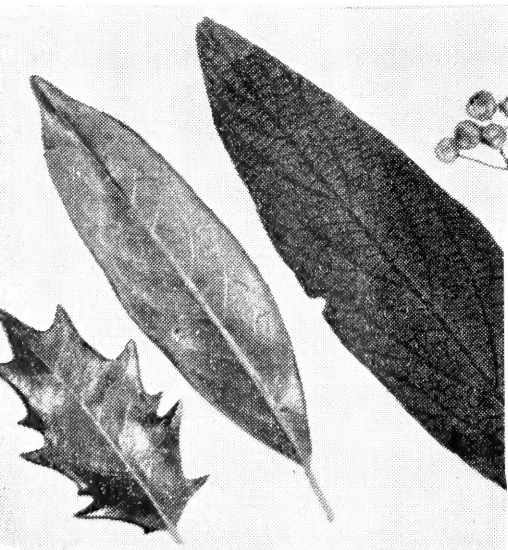
—**Daydream**—Vigorous pink.

—**Reticulata**—Reddish pink.

—**Showy Supreme**—Semi-double white.

12 in. (pots) Any 5 for \$7.50.

(Bottom) Osmanthus, laurocerasus, Viburnum, Kalmia. (Top row) Pyracantha Juliana, Euonymus patens.





Berberis juliano

COTONEASTER. Sun, drainage.

horizontalis (Rock Cotoneaster). 3 ft. Zone IV. Flat arching, densely twigged branches. Half-evergreen. Pink flowers, scarlet berries.

*2¼ in. pot ..10 \$9.00, 100 \$50.00
4 in. pot\$2.25 each, 5 \$9.50

—**Perpusilla**, dwarf form.

*2¼ in. pot 5 ppd. \$4.50, 25 \$15.00

Franchetti. 6 ft., upright. Zone V. Large, half evergreen leaf. Orange berry.

2¼ in. pot 5 for \$4.50, 100 \$70.00
2 to 3 ft. X \$2.50 each, 10 \$18.00

salicifolia (Willowleaf). 8 ft. Zone VI. Evergreen. Red fruit.

*2 in. pot10 \$8.50, 100 \$80.00
18 in. BB\$7.50 each, 2 \$13.50

ERICA carnea (Spring Heath). 1 ft. Zone V. A show of rose in the snow, lasts to May. Acid, sandy, humus. A soft mass of tiny leaves.

*2 in. pot ..5 for \$4.50, 100 \$60.00
5 in. pot\$4.50 each, 5 \$20.00

—**King George.** Red flowered form.

*2 in. pot5 \$4.50, 25 \$16.50

—**Springwood** (White Heath).

4 in. pot\$3.50 each, 5 \$15.00
*2 in. pot5 \$4.50, 25 \$16.50

Darleyensis (Hybrid Heath). Taller than *carnea*, but like it. Purple flowers Feb.-Apr.

*2 in. pot 5 for \$4.50, 100 \$60.00
4 in. pot\$3.50 each, 10 \$30.00
5 in. pot\$4.50 each, 10 \$40.00

Hybrida Dawn. 1 ft. Zone VI. Rosy bloom, July-Oct. A splendid dwarf.

4-inch pot\$4.00 10 for \$35.00

CYTISUS scoparius (Common broom). 4 to 8 ft. Zone V. Bushy, upright stems. Yellow, May-June. Drain. Sun. Perhaps the best cover for dry banks. A sight in bloom. Evergreen stems.

*12-18 in. 25 for \$5.00, 100 \$15.00
3 inch pot ..\$3.00 each, 5 \$12.50
4 inch pot ..\$3.75 each, 5 \$16.00

—**Burkwood's**, the same but dark red flowers.

2 inch pot ..2 ppd. \$2.50, 10 \$7.50
4 inch pot\$3.75, 5 for \$16.00

—**praecox** (Warminster Broom). 5 ft. Zone V. Amazing shower of pale yellow in May. Outstanding.

3 inch pot\$2.50 each, 5 \$10.50
4 inch pot\$3.75 each, 5 \$16.00
5 inch pot\$5.00 each, 5 \$20.00

—**Pomona.** 4 ft. Tricolor bloom, scarlet, cream and gold.

3 inch pot ..\$3.00 each, 5 \$12.50
4 inch pot ..\$4.00 each, 5 \$18.00

Purgans. Dense, bushy, yellow. 3 ft. Zone (V).

4 inch pot\$3.50 each, 5 \$15.00
5 inch pot\$4.50 each, 5 \$20.00

supinus (Bigflower Broom). 3 ft. Zone V. Showy yellow in July.

3 inch pot\$3.00 each, 5 \$12.50
4 inch pot\$3.75 each, 5 \$16.00

Battandieri. 12 ft. Zone VI. Golden flowers, silvery leaves.

5 inch pot\$5.00, 10 for \$40.00

BROADLEAF EVERGREENS

DAPHNE cneorum (Garland Flowers). 1 ft. Zone IV. Perhaps the finest rock-garden evergreen. Very fragrant rose flowers (large) in May and again in Sept. Needs sun. Spreads.

5-7 inch BB \$4.00 each, 5 \$17.50

EUONYMUS New Shrub forms. Zone V. The following patented Corliss varieties are true shrubs.

—**Pride** (Pat. 1073)—4 ft. wide and high.

—**Charm** (Pat. 1079)—4 ft. columnar.

—**Cushion** (Pat. 1112)—1½ ft. Slow, spreads.

12 inch\$2.95 each, 2 \$5.75

—**vegetus.** Large leaves, vigorous bush. A few climbing leaders. Orange fruit.

3 year\$3.00 each, 10 \$25.00
*2¼ inch pot 10 \$8.00, 100 \$50.00

Patens. 8 ft. shrub. Zone VI. Practically evergreen. Easily grown.

*2¼ inch pot ..5 \$4.00, 100 \$45.00
12-18 inches \$2.50 each, 10 \$20.00
2-2½ ft.\$5.00 each, 100 \$40.00

Flower and Bush of *Cytisus praecox*. Evergreen Stems resemble a dwarf pine.



ILEX—the Hollies

Evergreen species and their varieties only are on this page. For deciduous Ilex see page 28. Few gardeners realize how many good hardy hollies there are.

Aquifolium (English Holly). 40 ft. Zone VI. Very shiny, toothed leaves. Very large bright red berries.

—Female (for berries)

*3 inch pot5 \$9.75, 50 \$85.00
18 inch pot \$3.95, 10 \$30, 100 \$250

—Male (for pollination)

*3 inch pot ..\$2.50 each, 10 \$20.00
18 inch pot \$4.00 each, 10 \$35.00

Aquipern, hybrid with aquifolia, shinier, more toothed leaf. More vigorous than pernyi. Zone V.

—Female

3 in. pot \$2.75, 10 \$20.00, 100 \$160

Ciliospinosa. 12 ft. Zone VI. Toothed leaves. A spreading bush. Red berries.

—Female (also Male)

*2¼ inch pots \$2.95 each, 10 \$22.

Cornuta Bufordi. 6 ft. Zone VI. Few sharp spines. Good leaf. Red berries.

2¼ inch pot5 \$6.50, 100 \$95.00
12-15 in. BB \$5.75 each, 10 \$47.50

—Males (for more berrying)

*4 inch pot ..\$3.50 each, 5 \$12.50

Crenata (Japanese Holly). Zone VI. 18 ft. Evergreen leaf and thickset shape. Tolerant. Slow growing.

*6-10 inch X 10 \$9.00, 100 \$55.00
10 inch XX5 \$10.00, 25 \$40.00
2 ft. BB\$7.00 each, 10 \$60.00

—convexa (dwarf Japan Holly). Form with shiny gray-green leaves. Not over 4 feet height. Zone V.

*6-8 inch X ..10 \$9.50, 100 \$60.00
*12-15 inch X ..2 \$3.00, 10 \$12.50
12-15 in. BB \$5.50 each, 10 \$45.00

—Helleri. Very compact, maybe 2 ft., very dense foliage. The best dwarf. Zone V.

*2 in. pot 5 \$4.00 ppd., 100 \$40.00
8-10 in. BB \$4.75 each, 10 \$35.00

—rotundifolia. Larger leaf, more vigorous, upright growth. This makes a fine hedge quickly.

*6-8 in. X10 \$7.50, 100 \$50.00
12-18 in. BB \$4.75 each, 5 \$20.00

Glabra (Ink-berry). 6 ft. Zone III. Evergreen, loose bush. Tolerant even in cities. The leaf is dull, the plant only good for background or massing. When sheared becomes dense, neat, bushy.

*8-12 in. (pot) 5 \$4.00, 100 \$55.00
4 ft. BB\$11.50 each, 5 \$50.00

ILEX OPACA (American Holly). Tree to 40 feet, hardy to Zone IV. Shiny red berries, dull green leaf. Humus, slightly acid. We offer four sizes sex unknown, (about half male, half female) from seed. Our native is a fine, handsome evergreen—well worth planting for its leaves and red berries.

*6-12 inch S ..10 \$5.50, 100 \$35.00
2 ft. BB\$6.50 each, 10 \$55.00

—Males (for pollen) (10) (100)

3 inch pot\$12.00 \$85.00
4 inch pot \$3.00 each 25.00
2 ft. BB \$8.50 each 75.00

—Females (for berries)

3 inch pot (6-10 in.) 12.00 95.00
4 inch pot \$3.00 each 25.00
2 ft. BB \$8.50 each \$75.00

Offer A—2 males, 4 females in 3 inch pot size (6 to 10 inch)
6 plants \$7.50 postpaid

Offer B—1 male, 2 females, in 4 inch pot size (12 to 18 inch).
3 plants \$9.50 postpaid

—Delia Bradley. Zone V. One of dozens new named kinds, fruits young and steadily. Good leaves. Outstanding.

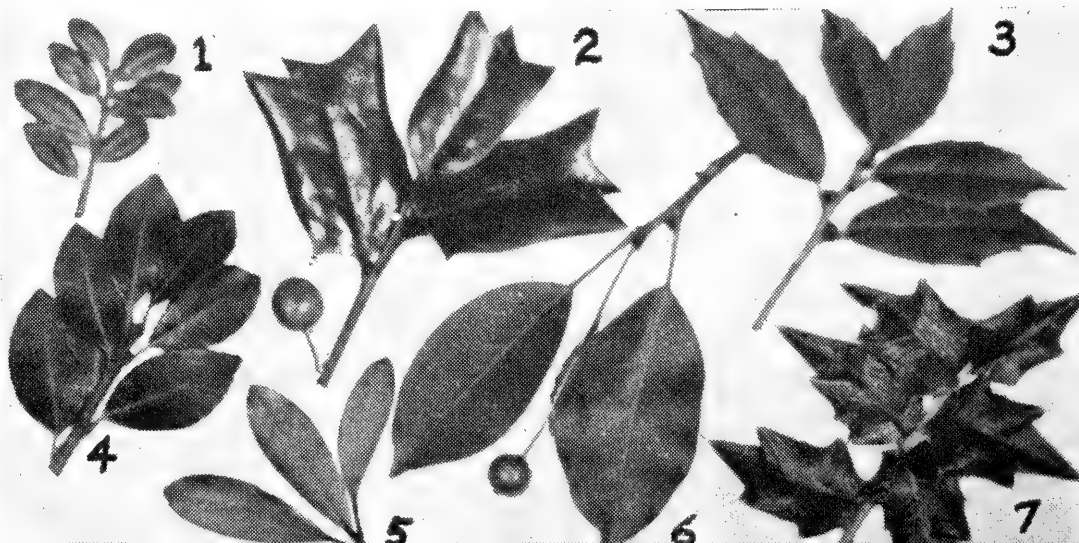
*3 in. pot \$2.25, 10 \$15.00, 100 \$135
2 ft BB\$8.50 each, 5 \$40.00

—Old Heavyberry. Big rich green leaf, very showy berries. Perhaps the best female. Zone IV.

*3 inch pot\$3.00, 5 \$12.00
15-18 inch BB\$7.50 each

← (left): Ilex Aquifolium **HOLLY LEAVES** (right): Opaca →

1. Crenata Convexa
2. Cornuta
3. Cilio-spinosa
4. Cr. rotundifolia
5. Glabra
6. Pedunculosa
7. Pernyi veitch



BROADLEAF EVERGREENS



Pieris Japonica



Laurocerasus

Opaca Hybrids

Zone VI. similar to Opaca. A male opaca will serve for pollen.

—**Lake City.** Berries orange-red. A much more vigorous tree.

*3 inch pot \$1.95, 10 \$12.50.

—**Hume No. 2.** Red berries. A good leaf, and growth.

*3 inch pot\$1.75, 10 \$12.50
2 ft. BB\$6.00 each, 10 \$50.00

Pernyi. 10 ft. compact shrub. Zone VI. Small leaves, red berries.

*3 inch pot\$2.50 each, 5 \$7.50

Pedunculosa. 25 ft. Zone V. Large untoothed leaves, red berries. Unusual.

—**Female (or also Males)**

3 in. pot \$2.50, 10 \$20.00, 100 \$150
2 ft. BB\$10.50 each, 10 \$95.00



LAUROCERASUS schipkaensis

(Hardy English Laurel). 6 ft. Zone V. A gorgeous evergreen shrub, with dark green leaves. White flower spikes in May. Very easily grown. Very fast growing.

*3 inch pot..10 \$12.50, 100 \$90.00
12 in. (pot) \$3.50 each, 10 \$45.00
12-15 in. BB \$5.00 each, 10 \$45.00

MAHONIA Aquifolium (Oregon Holly-grape). 5 ft. Zone V. Yellow. May; purplish "grape," Aug. Dry, part shade.

*2 1/4 inch pot 10 \$9.00, 100 \$60.00
12 inch XX ..2 for \$5.00 10 \$20.00
12 inch BB\$5.00 each, 5 \$22.00

Beali (Leatherleaf Mahonia). 12 ft. Zone V. Large, divided leaf. Tropical look. Yellow fragrant blooms, April.

*2 1/4 inch pot 10 \$8.50, 100 \$65.00
4 inch pot\$2.50 each, 10 \$18.00

OSMANTHUS aquifolium (Holly-leaved Myrtle). Zone VI. 6 ft. Evergreen shrub. Tolerant, useful foliage plant.

*2 inch pots ..10 \$6.00, 100 \$45.00
4 inch pot2 \$5.00, 10 \$20.00
18 inch BB ..\$6.75 each, 10 \$55.00

—**aquifolium rotundifolium.** New, compact, dwarf form.

*2 1/4 in pot 2 for \$3.50, 10 \$15.00

PACHISTIMA canbyi. Evergreen clump, 9-inch. Zone V. Wonderful rock plant. Moist.

3 in. pots \$2.00, 10 \$15.00, 100 \$125
*2 in. pot ..10 ppd. \$7.50, 100 \$45

PIERIS floribunda (Mountain Fetterbush). 3 ft. Zone IV. Evergreen, mound. Upright clusters white in May. Acid, humus, half shade.

*2 1/4 inch pot 10 \$8.50, 100 \$75.00
12-15 in. BB \$7.50 each, 5 \$30.00

PIERIS Japonica (Japonica Andromeda). 6 ft. Zone V. Evergreen, upright shrub, with drooping wax-like bells. May. New growth is rosy-wine.

*2 1/4 inch pot ..5 \$5.50, 100 \$65.00
*10-12 inch X ..5 \$5.00, 25 \$24.00
12-15 in. BB \$4.50 each, 10 \$30.00

PYRACANTHA lalandi (Laland Firethorn). Evergreen shrub to 15 ft. Zone V. A fuzz of white in May, then orange-red berries. Drain, lime.

*3 inch pot ..10 \$12.00, 100 \$85.00
2 ft. (pot)\$6.50 each, 5 \$30.00

—**Lowboy.** Smaller in all parts. To 8 feet.

18 in. (pot) \$5.00 each, 10 \$40.00

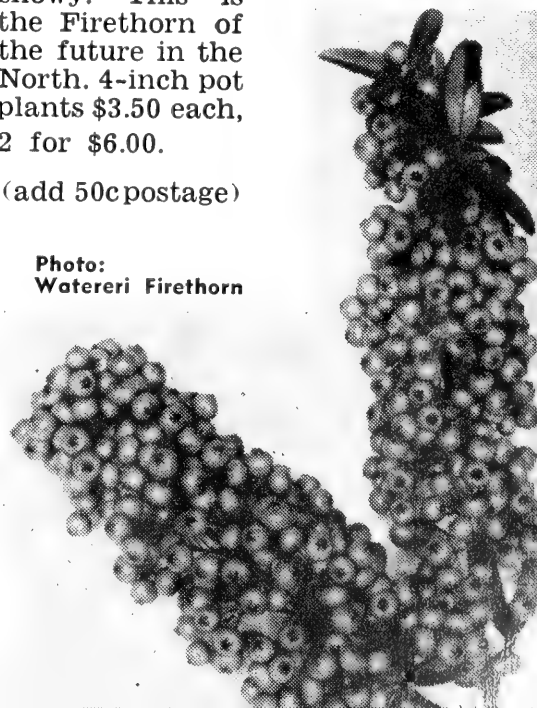
crenata-serrata (yunnanense) Spreading bush to 10 ft. Zone VI. Coral-red berries to early winter. Handsome leaves.

2 ft. BB\$7.50 each, 10 \$65.00

Watereri (New Hybrid Firethorn) 10 ft. Zone V. More evergreen leaf, red berries, hardy. Very showy. This is the Firethorn of the future in the North. 4-inch pot plants \$3.50 each, 2 for \$6.00.

(add 50c postage)

Photo:
Watereri Firethorn



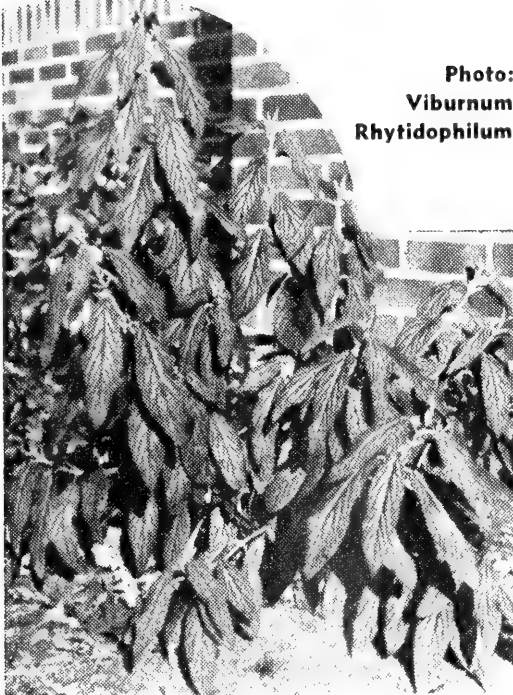


Photo:
Viburnum
Rhytidophillum

Rhododendron-culture

1. Culture: acid, damp loose soil.
2. The roots feed at the surface—do not hoe or rake. Plant them properly and thereafter water and mulch as needed.
3. Light shade, airy and open, gives best results. Only certain trees will do. The best are Oaks, Cherries, Magnolias and Birch. Their leaves make the best mulch. Avoid Beech and Maple.

Young Grafted Hybrid Rhododendrons

2-year old, 10 to 12 inch
Nice, sturdy, healthy plants

5 or more @ \$3.25 each
25 or more @ \$2.60 each

Minimum shipment on these is a box of 5 plants for \$16.25 (\$3.25 each) but order as many as you wish, in good supply. These are Holland-grown, but spent a whole season growing here, so are acclimatized and ship and grow without trouble. No lower price can be found for quality stock. Fine for mass-planting, where exact color is important. Note the grand list of named varieties available

F. D. Godman—magenta red.

America—red

Ignatius Sargent—light crimson

Caractacus—purple-red

Lee's Dark Purple

Catawbiense Album—finest white

Mrs. Sargent—rosy red

Catawbiense Grandiflorum—lilac

Nova Zembla—red

Charles Dickens—crimson

Roseum Elegans—rosy lilac

Dr. Dresselhuys—crimson-red

Vandenbroeke—crimson

E. S. Rand—dwarf red

Vanweerden Poelman—crimson

English Roseum—rose

Everestianum—lilac

SARCOCOCCA hookeriana humilis. Spreading evergreen shrublet in shade. 2 ft. Zone V. Fine ground cover.

*2¼ in. pot ..5 for \$5.50, 50 \$30.00
6-8 in. BB ..\$5.00 each, 10 \$35.00

SKIMMIA japonica. 4 ft. Zone VI. Whitish in April. Neat growing dwarf, red winter fruit.

*3 inch pot 2 ppd. \$3.00, 10 \$12.50

STRANSVAESIA davidiana. Shrub to 20 feet. Zone VI. Large shiny green leaves. Scarlet fruit.

*12-18 inches \$3.00 each, 5 \$10.00
2-3 ft.\$6.00 each, 5 \$25.00

VIBURNUM Rhytidophillum (Leatherleaf). 9 ft. Zone V. Wrinkled evergreen leaves, bright green, shiny. Bold. Red berries. Drain, shelter. Unique leaves.

*6-12 inch X 25 \$18.00, 100 \$60.00
12 in. (pot) \$3.50 each, 10 \$30.00
18 in. BB \$5.00 each

Young Hybrids bloom



Young Own-root Hybrids

Here is an opportunity for those with large areas to plant to get material for much less than any usual cost. Both grades offered below have had their first pinching, are starting life shapely and healthy. The one-year grade should be shaded the first summer. The two-year grade can go right out in the open.

Ten kinds offered:-

10 of any kind, 1 year,
balled packed for ship-
ment. **\$25.00**

6 of any kind, 2 year,
B&B packed for ship-
ment. **\$25.00**

*(either offer, express on
arrival about \$4.00)*

WHITES—Luciferum,
catawbiense album.

PINKS—Cynthia,
Ignatius Sargent,
Roseum superbum.

ROSE—Catawbiense Boursault,
roseum elegans.

REDS—America,
Chas. Bagley.

PURPLE—Purpureum elegans.

ATIVE tocrats

vergreen shrubs on this page
e mountains of North Caro-
ere make them hardy. They
l growth in the open (not in
ceed in normal garden con-
digging, handling and pack-
outstanding success in our
—about as good results as
ed in nursery rows for these
, nor cultivate. Plant in acid
th dead leaves, prune as you
e them alone.

ushy Clumps 1½ to 2 Feet.

added for at least some imme-
.. Large enough to use at once
tions, shrub borders. Allow
space, which they will fill
few years. \$5.00 each, singly.
the 5 kinds pictured here for
press costs about \$5.00 for the
eavy earth balls.)

4: Extra Large Clumps.

give you an immediate effect
t cost. Three kinds only:—

ndron maximum 3-4 ft. B&B
ndron catawbiense 2-3ft. B&B
t Laurel 3 to 4 ft. B&B

n boxes of 4 (assorted as you
\$22.50. (Express about \$5 for
4.)

PHOTO: Rhododendron maximum
White, July (shade), Zone III, to
15 feet.



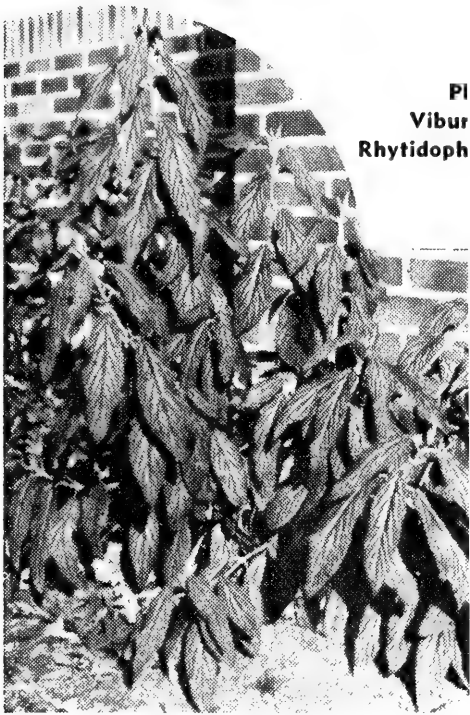
Hybrid Rhododendrons

NAMED VARIETIES ON OWN ROOTS

Own-root plants grow shapelier than grafts, and are longer lived, with less care and pruning. Also hardier. The following are from open field, dug with ball of earth. They have been pinched to make low, shapely branching. All hardy Zone VI, some extra hardy ones as noted in Zone V. Finest quality stock.

- | (Sizes) | (Named varieties) |
|---------|--|
| B | Caractacus—compact, purple-red. Zone V. |
| BC | Dr. Rutgers—fiery red, compact. Zone V. |
| BC | Ignatius Sargent—rose-red, vigorous. Zone V. |
| C | Michael Waterer—bright scarlet. Zone V. |
| A | Rosa Mundi—vigorous pale pink. Zone V. |
| C | Roseum Elegans—lilac rose, compact. Zone V. |
| C | Mrs. C. S. Sargent—rosy red. Zone V. |
| BC | E. S. Rand—dwarf, compact red. |
| A | Mrs. P. Den Ouden—fine crimson. |
| AB | America—neat growth, good red. |
| BC | Lee's Dark Purple—dark, rich color. |
| A | Mme. de Bruin—striking scarlet. |
| C | English Roseum—pinker Roseum Elegans. |
| D | Roseum Superbum—good pink, good bush. |

Sizes and Prices of each above kind:	(Each)	(10)
A—10 to 15 in. BB	\$7.00	\$65.00
B—15 to 18 in. BB	8.00	75.00
C—18 to 24 in. BB	9.50	.....



PI
Vibur
Rhytidoph

SARCOCOCCA hookeriana hu
lis. Spreading evergreen shrub
in shade. 2 ft. Zone V. F
ground cover.
*2¼ in. pot ..5 for \$5.50, 50 \$30
6-8 in. BB ..\$5.00 each, 10 \$30

SKIMMIA japonica. 4 ft. Z
VI. Whitish in April. Neat gr
ing dwarf, red winter fruit.
*3 inch pot 2 ppd. \$3.00, 10 \$12

STRANSVAESIA davidia
Shrub to 20 feet. Zone VI. La
shiny green leaves. Scarlet fr
*12-18 inches \$3.00 each, 5 \$10
2-3 ft.\$6.00 each, 5 \$25

VIBURNUM Rhytidophil
(Leatherleaf). 9 ft. Zone
Wrinkled evergreen leaves, bri
green, shiny. Bold. Red berr
Drain, shelter. Unique leaves.
*6-12 inch X 25 \$18.00, 100 \$60
12 in. (pot) \$3.50 each, 10 \$30
18 in. BB \$5.00 ea

Young Hybrids bloom



RHODODENDRONS. Evergreen
shrubs with fine foliage. Range
from dwarfs to giants. Bloom
from May to July.

RHODODENDRON Carolina. 8
10 ft. Showy pink bloom in May.
Zone V. Collected stock page 17.
12 inches X 2 for \$5.00, 10 \$20.00

fortunei. 12 ft. Zone VI. Large
blush pink, fragrant, May.
12 inches BB\$5.00, 10 \$40.00

Maximum. 12 ft. Blush-white,
July. Rapid and bushy with large
showy leaves. Suitable for mass
effects. Zone III. Shade. See page
17 for collected stock.
*12 inches X 2 for \$5.00, 10 \$22.00

Keiskei. 5 ft. Zone V. Yellow in
May, early. A showy dwarf.
*3-6 inch X2 for \$2.00, 10 \$8.50

Racemosum. 4 ft. Zone V. Pink
in April. Useful dwarf.
*4-8 inch X2 for \$3.50, 5 \$8.00

Hybrid Rhododendron Seedlings

These in every way resemble
named hybrids except:—the col-
or of flowers is unpredictable.
They are fairly free to bloom,
hardy mostly in Zone V.
6-8 in. XX 5 \$9.00 ppd, 50 \$67.50

(See also banded plants
on page 37)

RARE DWARF HYBRIDS

Augfast—A good blue. Zone VI.
*2¼ in. pot 2 for \$4.00, 10 \$18.00

Wilsoni. 4 ft. dwarf. Zone V.
Pink in May. Hardy and neat.
9-12 inches BB\$10.00 each
*2¼ in. pot 10 \$13.00, 100 \$99.00

DEXTER HYBRID SEEDLINGS

This new strain, based on R.
fortunei is hardy in Zone V and
shapely and colorful.

Mixed colors mostly pinks.
12-15 in. BB\$5.50, 5 for \$25.00



Easy to
Plant
and
Care for



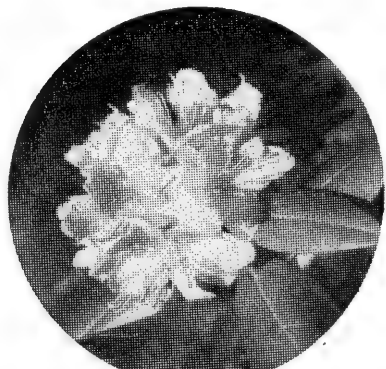
Kalmia latifolia. (Mt. Laurel)
Pink-white, June, Zone III. 8 ft.



Leucothoe Catesbaei
White, May, Zone V. spreads.
4 ft.



Rhododendron carolina.
Pink, May, Zone V, to 8 feet.



Rhododendron catawbiense.
Purple, June, Zone IV, to 10 ft.



PHOTO: A box of Size 3 Rhododendrons arrives.

NATIVE *Aristocrats*

The five flowering evergreen shrubs on this page are shipped from the mountains of North Carolina. Cold winters there make them hardy. They are dug from natural growth in the open (not in woods) hence will succeed in normal garden conditions. Great care in digging, handling and packing has resulted in outstanding success in our customers' gardens:—about as good results as from plants cultivated in nursery rows for these kinds. Never fertilize, nor cultivate. Plant in acid peaty soil, mulch with dead leaves, prune as you may wish, then leave them alone.

Rhododendrons low as 39½¢, in few years, little care, will be bushy \$10 specimens.

**SIZE 1: Small as Ships Safely
12-inch Seedlings (1 Stem) with a Small Ball.**

This special "Young Aristocrat" grade measures about 12 inches dug with a little earth left on roots, but not burlapped. Plants weigh about one pound only. This stock is not to be compared for a minute with ordinary collected plants. It is on the contrary all carefully dug, the greatest pains being taken to preserve the roots. Carefully packed, it is easily planted and makes a quick start. Shipped from North Carolina, express runs only 8c each (in 100 lots).

Rhododendron	(25)	(100)
maximum	....\$12.00	\$39.50
carolina	..... 16.00	58.00
catawbiense	.. 16.00	58.00

Leucothoe		
catesbaei	..... 13.50	45.00

Kalmia (Mountain Laurel)		
latifolia	..... 13.50	45.00

OFFER A: 2 each above, 10 plants for \$10.50 postpaid.

OFFER B. 5 each above, 25 plants \$19.50 (express \$2.50 on arrival).

**SIZE 2: As Small as Looks Shapely.
8 to 12 in. B&B. Clumps, 4 to 6 Stems.**

These "Junior Specimens" weigh about 3 to 5 pounds per plant, individually burlapped. They are 2 years older than Size 1. Express runs about 25 cents per plant. You can expect some blooms the year after planting. These really "look like something" the day they are planted.

Rhododendron	(10)	(25)	(100)
carolina	.....\$16.50	\$39.00	\$132.00
catawbiense	..... 16.50	39.00	132.00
maximum	..... 14.50	32.00	110.00
Kalmia (Mountain Laurel)			
latifolia	..... 14.50	32.00	110.00
Leucothoe (Fetterbush)			
catesbaei	..... 14.50	32.00	110.00

OFFER C

} 1 each of above
} five plants for
} \$9.25 postpaid.

OFFER D

} 5 each of
} above, 25 plants
} for \$35 (ex-
} press about \$5).

SIZE 3: Bushy Clumps 1½ to 2 Feet.

Most are budded for at least some immediate bloom. Large enough to use at once for foundations, shrub borders. Allow about 3 ft. space, which they will fill within next few years. \$5.00 each, singly. Any five of the 5 kinds pictured here for \$18.00. (Express costs about \$5.00 for the 5 due to heavy earth balls.)

SIZE 4: Extra Large Clumps.

These will give you an immediate effect for the least cost. Three kinds only:—

- Rhododendron maximum** 3-4 ft. B&B
- Rhododendron catawbiense** 2-3ft. B&B
- Mountain Laurel** 3 to 4 ft. B&B

Sold only in boxes of 4 (assorted as you wish) 4 for \$22.50. (Express about \$5 for the box of 4.)



PHOTO: *Rhododendron maximum* White, July (shade), Zone III, to 15 feet.

FRUITS

Fruit trees and shrubs are planted like any other deciduous tree. (p. 49.) Most need some care, but those most labor-saving include: Crabapples, Bush-cherry, Blueberry, Blackberry, nut trees and (in regular fruit) the dwarfed forms rather than the standard trees. An orchard so planted can be less than half as much work and expense.

SELF-STERILE FRUITS

Many fruits do not bear good crops if planted separately. Pollen from nearby trees of different variety is often needed. Noted on these pages by:

•—self-unfruitful. Do not plant by itself, but with another variety of the same fruit.

(P)—Good pollinizer.

Huge Hybrid Blueberries

Really beautiful as specimens or in hedges. Suited for use in small quantities in the small garden. A 100-foot hedge will pay about \$25 worth of berries a year! (Spaced 18 ins.)

Why Wait? Plant Some NOW!

And enjoy the berries sooner. Not only will add to your garden but pay back cost many times over! Hardy throughout U.S.A.

NAMED KINDS	(Each)	(10)	(50)
3 yr., 12 to 18 inch	....\$2.00	\$15.00	\$50.00
3 yr., 18 to 24 inch	.... 2.75	18.50	65.00
4 yr., 2 to 3 ft. (bearing)	.. 3.50	25.00	90.00

MIXED: (All varieties are splendid eating)

12 to 18 inch	.....	12.50	48.00
18 to 24 inch	.....	16.50	60.00

- Jersey.** Large, vigorous. Hardest. Early July.
- Rancocoas.** Early, good quality.
- Pemberton.** Large, mild and bland.
- Burlington.** Large, latest of all.
- Rubel.** Tall grower, erect. Late.
- Dixie.** Huge, High flavor.
- Weymouth.** Earliest of all. Best for cooking.
- Concord.** Midseason. Upright. Fine quality.
- Stanley.** Early July. Tall. Large berries.

Set the plants in beds 4 feet apart. Several varieties should be included in planting, as an exchange of pollen is necessary to produce good crops of berries. Or order "mixed" if you wish. All varieties are almost equally fine.

Blueberries require an acid soil containing peat or other rotted vegetable matter. They need a moderate supply of soil-moisture.



Photo: Highbush Cranberry



SPACING FRUIT

Apple, Standard	30 by 30 ft.
Apple, Dwarf	10 by 10 ft.
Cherry	25 by 25 ft.
Peach or Plum	20 by 20 ft.
Pear, Standard	25 by 25 ft.
Apricot	12 by 12 ft.
Raspberry	2 by 4 ft.
Grape	8 by 10 ft.
Blueberry	4 by 6 ft.
Chestnut	30 by 30 ft.
Walnut	40 by 40 ft.

UNUSUAL BERRIES

New American Mulberry

Ever-bearing, from June until September. Large, refreshing berries without the mawkish sweetness. Zone IV. 3 to 4 ft.\$4.20 each, 10 \$35.00

Dwarf Juneberry

Amelanchier berries are known as "Bilberries" or "Serviceberries." Dark red fruit in July. This form grows 12 ft. Zone II. 1½-2 ft. \$2.25 each, 10 for \$15

Highbush Cranberries

Large fruited, heavy-yielding type of *Viburnum trilobum*—high in pectin. Zone I. Make sauce or jelly, same as with cranberries, but strain to keep out pits.

2 feet\$1.65 each, 10 \$13.50

Adams Elderberry

The large berries and extra fruit clusters are a decided improvement for pies, jam and wine. Zone IV.

1½ feet\$1.60 each, 10 \$12.00

BERRIES

Berries come on old wood only, so prune right after picking.

Black Raspberry

Bristol Black. Fine bearer.
(10) (100)
Zone III \$2.50 \$15.00

Purple Raspberry

Sodus. Heaviest bearer of all raspberries \$2.75 \$17.50

Yellow Raspberry

Amber. Large fruits, high quality. Zone IV. \$3.50 \$17.50

Red Raspberries

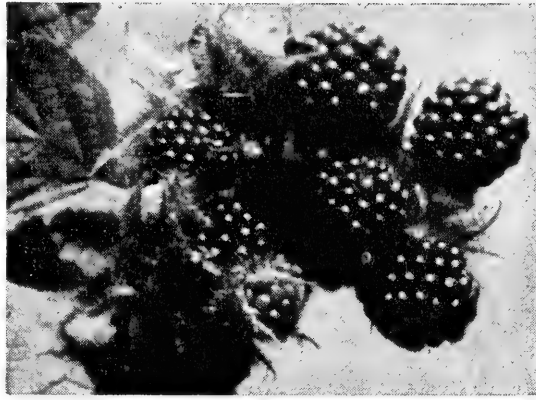
(*Rubus Strigosus*) Zone I
Latham. Old variety, very dependable. \$2.75 \$18.00

September. Crops spring and autumn.
"Everbearing". 2 yr. \$4.00 \$25.00

Blackberries

(*R. Species*) Zone III
Alfred. Large, upright and dependable. \$2.50 \$15.00

Eldorado. The standard variety. 2.50 15.00



Wineberry

(*R. phoenicolasius*) (10) (100)
Z. V. Juicy, red, fragrant. Fruit in large clusters. Absolutely laborless. Bears on both old and new wood—so might fruit next summer! Unique.
1 year \$4.00 \$25.00

Dewberry

Lucretia is hardy in Zone VI. Like a blackberry, but better. Trailing. \$2.50 \$15.00

White Blackberry

Crystal White is a novelty whitish blackberry. Fairly good flavor. \$2.75 \$19.00

Thornless Boysenberry

Huge, 2 in. berry, highest quality of all brambles. Prolific. No better berry known. Zone VI.
1 year \$2.75 \$15.00

HERBS PRICES POSTPAID

Most herbs are easy to grow in average soil, well drained and in full sun.

Kitchen Herb Collection: 3 each of six kinds: Chives, Peppermint, Rosemary, Tarragon, Sage, and Thyme, 18 plants in all, for \$13.90 postpaid.

Thyme assorted, Stepping-Stone Collection: Four kinds suited to growing between flags; spice the air, yet do not suffer from tramping: White Creeping Thyme, Crimson Thyme, Woolly Thyme, Lemon Thyme.
3 each (12 plants) .. \$ 8.25 (ppd.)
10 each (40 plants) .. \$20.00 (ppd.)

Peppermint—spreads. 3 for \$2.25

Sage (*salvia officinalis*). 2 ft. Sun, gray leaf, purple flower.
3 for \$2.25 (10 for \$5.00)

Bergamot (*Monarda didyma*). 3 ft. Sun or shade. Fragrant leaves.
3 for \$2.25 (10 for \$5.50)

Lavender (*Lavandula veris*). 18 in. Fragrant leaf and flower. Gather flower spikes when buds open.3 for \$2.50 (10 \$6.00)

Rosemary (*Rosmarinus officinalis*). Must winter indoors except in south. Narrow spicy leaf, delicious3 for \$2.75 (10 \$6.00)

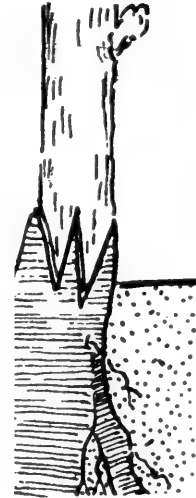
Tarragon (*Artemisia dracunculul*). 2 ft. Narrow, glossy leaf, aromatic3 for \$2.25 (10 \$5.50)

Germander (*Teucrium chamaedrys*). 1 ft. Rosy bloom, dark shiny thick-set leaves. An excellent clipped dwarf hedge. Tolerant.
3 for \$2.50 (10 \$5.50)

Plants

..... \$2.25
..... 2.95
..... 2.00
..... 2.50
..... 2.50
..... 2.25
..... 2.40
..... 2.50

..... \$2.25
..... 2.95
..... 2.00
..... 2.50
..... 2.50
..... 2.25
..... 2.40
..... 2.50



longer dwarf.

Fruits

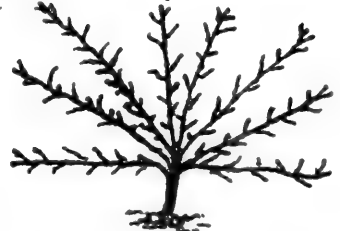
..... \$2.25
..... 2.95
..... 2.00
..... 2.50
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..... 2.25
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..... 2.50

Pruned Fruits

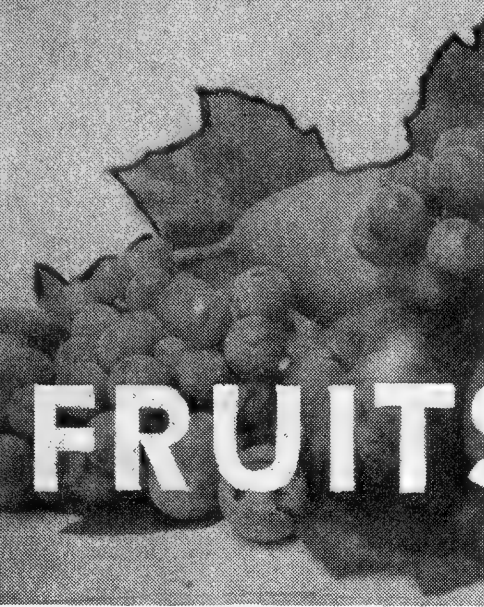
..... \$2.25
..... 2.95
..... 2.00
..... 2.50
..... 2.50
..... 2.25
..... 2.40
..... 2.50



Cur-Arm
3 ft. (hvy.)
1 foot wide)
\$2.00 each



Fan-Shaped
6 to 8 feet
(8 feet wide)
\$18.50 each



SELF-STERILE

Many fruits do not bear good
Pollen from nearby trees of differ
Noted on these pages by:

Huge Hybrid Blueberries

Really beautiful as specimen
Suited for use in small quanti
garden. A 100-foot hedge wi
worth of berries a year! (Spe

Why Wait? Plant Some

And enjoy the berries sooner
add to your garden but pay
times over! Hardy throughc

NAMED KINDS (Each)

3 yr., 12 to 18 inch\$2.00
3 yr., 18 to 24 inch 2.75
4 yr., 2 to 3 ft. (bearing).. 3.50

MIXED: (All varieties are splen

12 to 18 inch
18 to 24 inch
.....

Jersey. Large, vigorous. Hardie
Rancocoas. Early, good qualit
Pemberton. Large, mild and l
Burlington. Large, latest of a
Rubel. Tall grower, erect. Late
Dixie. Huge, High flavor.
Weymouth. Earliest of all. Bes
Concord. Midseason. Upright.
Stanley. Early July. Tall. Larg

Set the plants in beds 4 fee
varieties should be included in
exchange of pollen is necess
good crops of berries. Or orde
are almost equally fine.

Blueberries require an acid s
vegetable matter They need

NUT TREES

There are good nuts to be grown
in the north. Chestnuts from
seed are young, heavy bearers.
The grafted Walnuts are hardier
and also bear heavily and young.
The first two years mulch well
with hay or straw. Water if
drought comes. Do not plant
deeper than they were in nursery.

BLACK WALNUTS—Zone IV

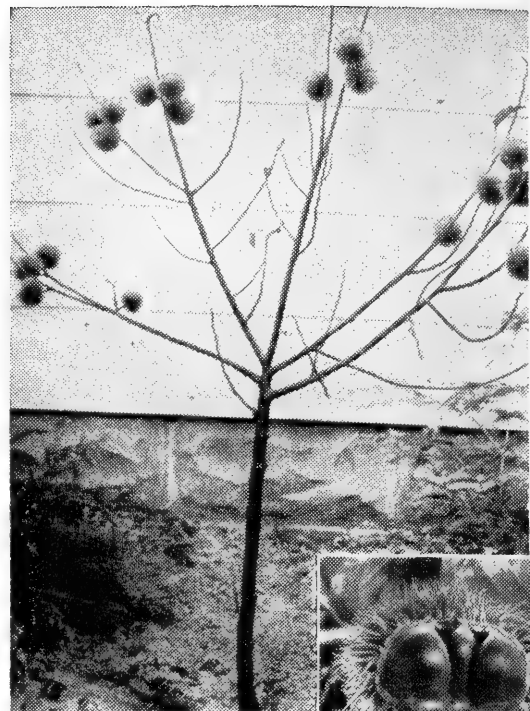
One of our most beautiful native
trees, growing well in any fertile
well drained soil. The grafted
sorts bear their first nuts com-
monly in the third to fifth year.
Thomas is a rapid-growing tree.
The meat is attractive and tasty,
falls out easily in halves.

2 to 3 ft. ...\$2.75 each, 5 for \$11.75

ENGLISH WALNUT (Carpathian)

Fast growing to 30-35 feet. No
spraying necessary. Good, flavor-
some nuts, easy to open. A boon
for northern gardeners. Zone V.
Glossy dark-green leaves.

2 to 3 feet2 for \$9.00



Chestnuts bear
young—3½ foot
tree, 50 nuts.

CHINESE CHESTNUT

(*Castanea mollissima*.)
Similar to the American in fla-
vor (sweet) but inured to the
Chestnut blight. Zone V. Bears
very young. Needs cross pollen-
izing, we will not sell less than
3 trees:

12 in. S ..25 for \$20.00, 100 \$65.00
3 feet X3 for \$7.50, 10 \$20.00
4-5 feet X2 for \$8.50, 5 \$13.50
6-7 feet (Bearing) 2 for \$12.95

CHINQUAPIN—(See Page 51)

FILBERT—(See Page 52)

HICKORY—(See Page 51)

PECAN—(See Page 51)

UNUSUAL Fruits

MEDLAR

Mespilus germanica. Zone V.
Small tree, with pear-like fruit,
of unique, soft, acid flavor, must
ripen after picking.

1 year grafts \$4.00, 3 for \$10.00
2 year grafts \$5.00, 3 for \$13.50

Native Persimmon

Diospyros virginiana makes a
20 foot tree, moist soil. Zone VI.
Fruit late fall, like figs.

4 to 5 ft.2 for \$8.50

Beach Plum

Prunus maritima grows 6 to 8 ft.
high, hardy into Zone III.
Thrives in gardens better than
on seashore. Good drainage. Fine
useful plums.

1½-2 ft. \$2.70 each, 10 for \$22.50

Paw-Paw

Asimina triloba is a small tree.
Zone V. Rich, damp soil. 3-inch
brown "bananas", Oct.

3 to 4 ft.2 for \$9.00 ppd.



Hybrid Grapes

High quality grapes on far less vigorous (and less troublesome) vines.

No permanent canes needed; only a short trunk or shank. Grapes grow on new wood, which is pruned away each year.

Grape Culture calls for plenty of humus in the soil. Old manure is far the best form, to produce vigorous spring growth. Extra moisture is needed as fruits fatten in summer. Otherwise grapes may be small, dry.

The European Grape (*Vitis vinifera*) is far superior to our native grapes.* However, it has not the stamina to withstand sub-zero weather and succumbs to disease, while our hardy native grapes remain immune. These hybrids combine American health with European flavors.

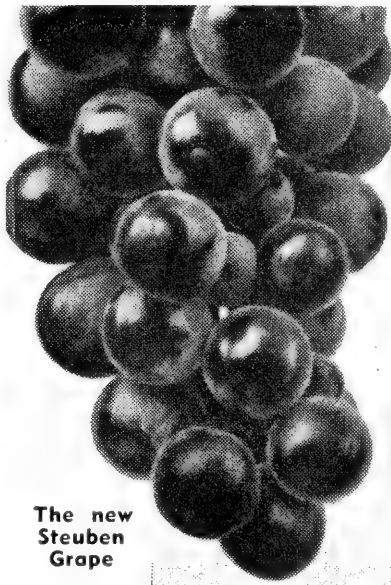
STURDY, WELL ROOTED VINES—Zone V.
2 Year No. 1 \$2.75 each postpaid

BACCO No. 1—Fine strong growing plant, excellent for trellises, dark red, medium size berries, good wine and table grape.

WESTCHESTER—Rosy white, long clusters, very sweet, finest for table and wine, very abundant bearer, free of foxiness

MADELEINE—White Muscat, big berries, long clusters, finest of table grapes.

SEIBEL No. 5860—Good table and wine grape, white, good all round qualities.



The new Steuben Grape

STEBEN (Blue-Black)
Exquisite flavor. Huge, long slender clusters. (Zone IV). Absolutely free from rot and mildew.

SEIBEL No. 9110
Yellow table grape of unusually fine dessert quality. Bears young.

GOLDEN MUSCAT
California type, fine aroma. Large juicy, sweet and tender. Zone VI.

5 POPULAR HYBRIDS

2 year olds \$2.00 each, 3 \$4.50

INTERLAKEN SEEDLESS

New hybrid seedless hardy in Zone IV. Very sweet, meaty and crisp. Amber color, tangy flavor. Ripens early (Sept. 1st).

ROMULUS SEEDLESS

New American-European hybrid to Zone IV. Mid-Sept. Yellow, sweet, meaty. Fine seedless variety.

CONCORD—The heaviest producer of blue black grapes known. Late Sept.

VAN BUREN—Sweeter and juicier Concord type. Early Sept.

**But it is still Concord for the Best jelly, jams, juice.*

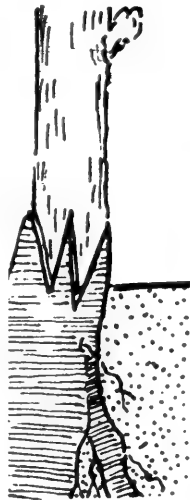
\$1.00 each, 2 for \$1.90

Plants

See opposite Page.

For larger grows very feet. Space

ed, pruned ers, equip-ears much th year at s amazing (especially to borers



longer dwarf.

Fruit Prices

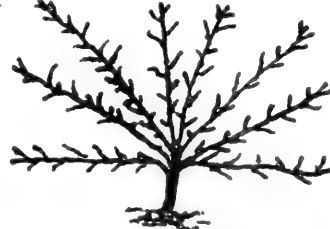
.....	\$2.25
.....	2.95
.....	2.00
.....	2.50
.....	2.50
.....	2.25
.....	2.40
.....	2.50

Pruned Fruits

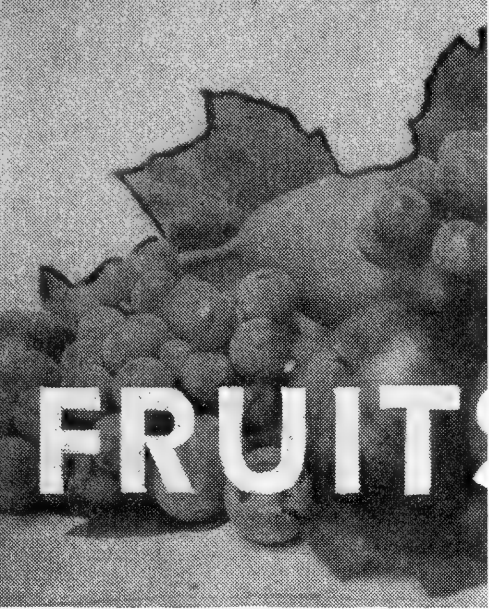
(in Apples, Pears only)



Four-Arm
ft. (hvy.)
feet wide)
\$.00 each



Fan-Shaped
6 to 8 feet
(8 feet wide)
\$18.50 each



SELF-STERILE

Many fruits do not bear good Pollen from nearby trees of different varieties. Noted on these pages by:

Huge Hybrid Blueberries

Really beautiful as specimen plants. Suited for use in small quantity garden. A 100-foot hedge worth of berries a year! (Space 10 ft.)

Why Wait? Plant Soon

And enjoy the berries sooner. Add to your garden but pay less than other times over! Hardy throughout the year.

NAMED KINDS (Each)

3 yr., 12 to 18 inch\$2.00
 3 yr., 18 to 24 inch 2.75
 4 yr., 2 to 3 ft. (bearing).. 3.50

MIXED: (All varieties are splendid)

12 to 18 inch\$2.00
 18 to 24 inch 2.75

Jersey. Large, vigorous. Hardy.
Rancocoas. Early, good quality.
Pemberton. Large, mild and sweet.
Burlington. Large, latest of all.
Rubel. Tall grower, erect. Late.
Dixie. Huge, High flavor.
Weymouth. Earliest of all. Best.
Concord. Midseason. Upright.
Stanley. Early July. Tall. Large.

Set the plants in beds 4 feet apart. All varieties should be included in exchange of pollen is necessary for good crops of berries. Or order a mixture of varieties are almost equally fine.

Blueberries require an acid soil. They need a lot of vegetable matter. They need

Cherries

Need extra heavy pruning when planted.

SOUR (P. Avium) (Zone 4)

Early Richmond. Clear red, medium sized, June.

Montmorency. Largest, firm flesh. Disease resistant. Finest quality. June.

English Morello. Best late variety. Mid-July. Tart, large, red.

SWEET (P. Cerasus) (Zone 5)

• **Black Tartarian.** (P—Best.) Purplish black, juicy, rich flavor. June.

• **Windsor** ("Black Oxheart"). Large, dark, juicy, firm. July.

• **Napoleon** ("White Oxheart"). Rich, sweet yellow. Late June.

• **Schmidt Bigereau.** Huge black. Delicious. Early July.

Peach (Zone 5)

Needs annual pruning. Standard: Space 16 ft., bear 3rd year. Dwarf: Space 10 ft., bear 2nd year.

Belle of Georgia. White, rich flavor. Vigorous, productive. Sept. Extra hardy.

Champion. White, firm, sweet, juicy, thin-skinned. Extra hardy. Eating, cooking, canning. Sept.

Elberta. Yellow. Fruit large firm. Good canning. Sept. 15.

Early Elberta. Similar, Sept. 5.

Golden Jubilee. Yellow. Aug. Extra hardy. Juicy, sweet.

Valliant. Yellow, extra hardy. Late August. Large, good fruit.

• **Hale Haven.** A marvelous large yellow peach. Hardy. Delicious flavor. Early Sept.

Pears (Zone 4)

Dwarf: Space 12 ft., bear 3rd year. Standard: Space 20 ft., bear 6th year.

• **Bartlett.** Large, rich juicy, golden. Canning, eating. Sept.

• **Beurre Bosc.** Very large, rich, juicy. Late Sept.-Nov. Eating.

Duchess d'Angouleme. Extra large, greenish yellow, spotted. Excellent. Young bearer.

• **Clapp Favorite.** (P) Fruit large, pale, fine-grained, juicy. August.

• **Seckel.** Small, attractive. Blight-resistant. Sept.-Oct. Eating, pickles.

• **Gorham.** A Bartlett. October.

• **Anjou.** Large yellow. Tender, very juicy, spicy, rich. Eating. October.

Apples (Zone 2)

CRAB APPLES

Hyslop. Large, purplish red. Flesh yellow, pleasant. Biennial.
Dolgo. Handsome flower. Makes ruby red juice. Sept.

SUMMER APPLES

Red Astrachan. (P) Large striped red. Young biennial bearer. Eating, cooking.

Early McIntosh. (P—best for Northern Spy.) Like McIntosh. Biennial bearer. Eating, cooking, baking.

Yellow Transparent. Golden, juicy. Young biennial bearer.

Duchess Oldenberg. (P) Extra hardy, large striped. Biennial. Eating, baking.

AUTUMN APPLES

Gravenstein. Large striped red. Good quality. Eating, cooking.

• **McIntosh.** (P) Striped, aromatic flesh. Young annual bearer. Eating, cooking, baking.

• **Red McIntosh.** (P) Solid red.
Wealthy. (P) Striped red, wonderful flavor, juicy. Young annual bearer. Eating, cooking.

WINTER APPLES

Baldwin. Large, red, hardy, good quality. Biennial bearer. Eating, cooking.

• **Cortland.** (P—best for McIntosh.) Larger, late keeping McIntosh. Annual bearer. Eating, cooking.

• **Delicious.** (P) Crimson. Crisp tender, juicy. Annual bearer.

• **Golden Delicious.** Large, yellow. Marvelous flavor. Young annual bearer. Eating, cooking.

• **Northern Spy.** (P—for all but McIntosh). Large red, striped, high flavor. Annual bearer. Eating, cooking.

Rhode Island Greening. Large green-yellow. Annual. Eating.

Jonathan. (P) Small, but crisp, juicy. Biennial. Eating.

Rome Beauty. (P) Annual bearer. Striped, large. Eating, cooking.

• **Stayman Winesap.** Young annual bearer. Zone V or South. Crisp, juicy. Baking, eating.

Quince (Zone 4)

Standard: Space 16 ft., bear 5th year. Dwarf: Space 10 ft., bear 3rd year.

Orange. Large yellow. Sept.

Plums (Zone 3)

Trifloras and European varieties do not cross-pollinate.

TRIFLORAS (P. Salacina)

- **Abundance.** Red, medium sized. Flesh yellow, juicy. Vigorous, productive. Aug.
- **Burbank.** Red, medium sized. Flesh yellow, very juicy. Aug.
- **Santa Rosa.** Large juicy red. August.
- **Formosa.** Large yellow. Sept.

EUROPEAN (P. domestica)

- **German Prune.** Large, dark blue. August.
- **Lombard.** Medium-size, juicy, dark red. Hardy, prolific.
- **Reine Claude** (Bavay's Green Gage). Large yellow. Late Sept.
- **Stanley.** Large dark blue prune. Annual bearer. Late Sept.
- **Damson.** Small, purple. Cooking. Sept.
- **Shiro.** Gold, juicy, August.
- **Bradshaw.** Large dark violet. Annual bearer. Delicious quality. Sept.



Photo: Dwarf Apples bear heavily.

Ten to twelve feet is the maximum height to which true dwarf Espaliers will grow. Little pruning is needed—beyond keeping the small new spurs from reaching more than six inches outside of the main stems. When a spur has borne it will continue to bear. Pick the stem with the fruit.

In planting against a wall, place the tree six inches away and allow 18 inches root space—requiring a space in all two feet out from the wall.

Dwarfed Fruits

Available in All Varieties on Opposite Page.

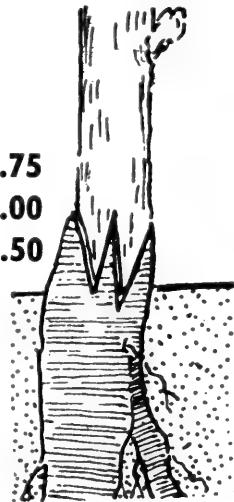
A tree whose fruit is as large or larger than ordinary, but which never grows very tall—perhaps ultimately 12 to 15 feet. Space 12 ft. apart.

A dwarfed tree can be sprayed, pruned and picked by hand without ladders, equipment or professional skill. It bears much earlier in life, in its third or fourth year at latest—often earlier—and carries amazing loads of fruit. Dwarfed fruits (especially Plums and Peach) are less liable to borers and other pests.

PRICES: All kinds listed here:—
(50c packing on orders under \$10.00)

1 year—Not branched	\$2.75
2 year—Branched	4.00
3 year—Heavier	5.50

If extra dwarf apples wanted specify Malling 9.



Planting Depth should be so that the graft is just above the ground or an inch above. If too deep the scion develops its own roots and the tree is no longer dwarf. If too high, rootstock suckers.

Standard Fruits

Available in All Varieties.

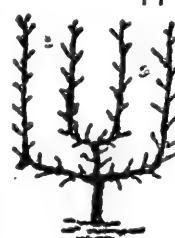
APPLES—2-year, 5 ft. 11/16 in.	\$2.25
CHERRIES—2-yr., 5 ft. 11/16 in.	2.95
PEACHES—1-yr., 4-5 ft. 9/16 in.	2.00
PEARS—2-yr., 4-5 ft.	2.50
PLUMS—2-yr., 4-5 ft.	2.50
APRICOT—2-yr, 4-5 ft.	2.25
NECTARINE—1-yr., 3-4 ft.	2.40
QUINCE—2-yr., 4-5 ft.	2.50

Espaliered Fruits

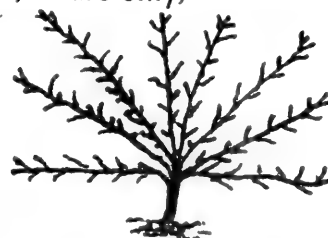
(Available in Apples, Pears only)



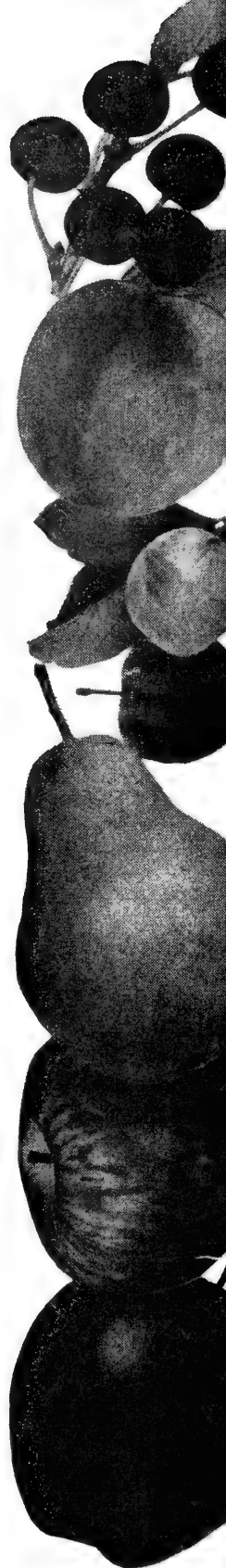
U-Form
4 to 6 feet
(2 feet wide)
\$13.50 each



Four-Arm
5-6 ft. (hvy.)
(4 feet wide)
\$20.00 each



Fan-Shaped
6 to 8 feet
(8 feet wide)
\$18.50 each



YOUNG SHRUBS

for screen and line planting

(25) (100) (1000)
AMELANCHIER (Shadblow)
canadensis (Downy Shadblow)
 12 to 18\$5.00 \$16.00 \$120.00

BENZOIN (*Lindera*)
 (Spice-bush)
 12 to 18 in. S 5.00 16.00 95.00
 2 to 3 ft. X 27.00 95.00

CORNUS alternifolia (Pagoda Dogwood)
 12 to 18 in. S 4.00 13.50

—**mas** (Cornelian Cherry)
 6 to 12 in. S 8.00 25.00 175.00

CYDONIA (Quince)
Japonica (Flowering Quince)
 12 to 18 in. S 4.50 13.00 80.00

ELEAGNUS (Russian Olive)
 12 to 18 in. S 3.00 9.00 65.00

FORSYTHIA
Fortunei and Spectabilis.
 12 to 18 in. S 3.50 9.50 55.00
 2 to 3 ft. X 15.00 55.00 400.00

HAMAMELIS vernalis (Spring Witch-hazel)
 6 to 9 in. S 8.50 28.00 200.00

—**virginiana** (Fall Witch-hazel)
 12 to 18 in. S 5.00 15.00 125.00
 2 to 3 ft. X 20.00 75.00

HYDRANGEA PeeGee (white to pink, Aug.)
 12 to 18 in. 6.50 22.00 180.00
 2 to 3 ft. X 15.00 50.00 400.00

ILEX verticillata (Winterberry)
 12 to 18 in. S 5.00 15.00 100.00

KOLKWITZIA (Beauty-bush)
 12 to 15 in. X 20.00 75.00

LONICERA (Honeysuckle)
 —**Morrowi, Tatarica**
 12 to 18 in. S 4.00 12.00 80.00
 2 to 3 ft. X 12.50 45.00 300.00

—**fragrantissima**
 12 to 18 in. S 5.00 15.00 90.00
 2 to 3 ft. X 15.00 50.00 300.00

MACLURA (Osage Orange)
 12 to 18 in. S. 2.50 7.50 55.00

PHILADELPHUS coronarius
 12 to 18 in. S. 4.50 15.00 90.00
 3 to 4 ft. X 17.00 60.00 450.00

—**virginal** (double fragrant)
 6 to 12 in. S 8.00 25.00 200.00

RHAMNUS cathartica
 (Buckthorn)
 12 to 18 in. S 12.00 85.00

2 Grades

(S) Light grade as in
 Barberry seedling at left.
 Express 10 to 15% extra
 on arrival.

(X) Transplants, usually
 1 to 2 years older. Bushy
 tops and roots. Express
 about 10% extra.
 (Barberry at right six
 years older.)

(25) (100) (1000)
SPIRAEA Anthony Waterer
 6 to 9 in. S .. 8.00 25.00 180.00
 12 to 15 in. X 18.00 65.00

—**Van Houttei** (Modern Bridal-wreath)
 12 to 18 in. S 5.00 15.00 85.00
 2 to 3 ft. X .. 15.00 50.00 400.00

—**prunifolia** (True Bridal-wreath)
 12 to 18 in. S 5.00 15.00 120.00
 1½ to 2 ft. X 18.00 60.00 500.00

SYMPHORICARPOS
 —**racemosus** (Snowberry)
 12 to 18 in. S 5.00 15.00 100.00
 12 to 15 in. X 10.00 35.00 300.00

SYRINGA (*Lilac*) *vulgaris*
 12 to 18 in. S 5.00 18.00 150.00
 12 to 18 in. X 10.00 35.00 300.00

—**Persian Lilac**
 12 to 18 in. S 8.00 25.00 195.00
 3 to 4 ft. X 25.00 95.00

VIBURNUM American (Amer-
 ican Cranberry)
 12 to 15 in. S 8.00 25.00 190.00

—**Carlesii** (May Viburnum)
 6 to 9 in. S 15.00 50.00 400.00

—**opulus** (European Cranberry)
 6 to 9 in. S 6.00 18.00 150.00

—**tomentosum**
 12 to 15 in. S 12.00 45.00 250.00
 18 to 24 in. X 22.00 80.00 600.00

WEIGELA rosea (pink)
 12 to 18 in. S 5.00 15.00 90.00
 2 to 3 ft. X .. 16.00 55.00



LIVING FENCES

ROSA MULTIFLORA

Plant a single row, 1 foot
 apart. Cut back roots to 8
 inches, tops to 3 or 4 inches
 on planting.

No repairs, no maintenance
 problems, it just grows. No
 animals can get through, yet
 birds and small game can use
 it for refuge. It can be kept
 5 feet high, width 8 feet. Not
 for small gardens.

(100) (1000)
 9-12 in. S\$ 8.50 \$70.00
 18-24 in. S 10.50 85.00

Barberry Hedge

2 to 4 feet high. Space 1 foot in
 single row. (25) (100) (1000)

BERBERIS Thunbergi (Japan-
 ese Barberry).

6 to 12 in. S .. 4.00 12.00 90.00
 12 to 15 in. S .. 5.00 18.00 120.00
 12 to 15 in. X ..12.00 40.00 350.00

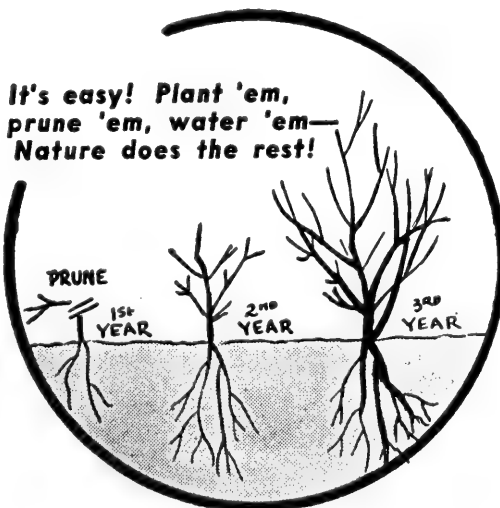
B. thunbergii Atropurpurea
 6 to 12 in. S 9.00 22.00 180.00
 12 to 15 in. X ..20.00 70.00

Privet Hedges

4 to 8 feet high. Space 1 foot
 apart in 2 rows, staggered, 6
 inches between rows.
 (100 plants do 50 feet of hedge)

LIGUSTRUM (Privet)
 —**ibolium** (Hybrid Privet), also:
 —**amurense** (Amur Privet North)
 12-18 in. (2 Br.) 3.50 10.00 80.00
 1½-2 ft. (3 Br.) 6.50 20.00 160.00
 3-4 ft. (4 Br.) 12.00 45.00 300.00

—**ovalifolium** (California Privet)
 12-18 in. (2 Br.) 3.50 10.00 80.00
 2-3 ft. (4 Br.) 6.50 20.00 180.00



It's easy! Plant 'em,
 prune 'em, water 'em—
 Nature does the rest!

SHRUBS

PLANTING SMALL SHRUBS



LARGER SIZES



MOST SHRUBS

Bloom young, usually in second year. But after ten years they need 6 feet of space for best appearance. So plant 3 feet apart and arrange that every second shrub can be removed in later years. (Dwarf shrubs take just half this spacing.) Shrubs grow quickly, so small sizes (see Page 50 for some special offers) are practical for mass effects. Most kinds are in the table below and described and priced in following pages.

Shrubs that take care of themselves are marked in the tables below with a "†". These literally gain no improvement whatever from cultivation — plant 'em and forget 'em! Some are very beautiful indeed.

ABELIOPHYLLUM distichum (White "Forsythia"). Zone V. 3½ ft. White Apr. Drain, sun. 12-18 in. X\$3.95, 5 for \$17.50

AMELANCHIER Canadensis. 20 ft. Zone IV. Thin, bushy shrub or tree. Gay white show in July. *12 in.25 \$5.00, 100 \$16.00 3-4 ft.\$3.00 each, 10 \$25.00 —*grandiflora rosea.* Larger flowers, pink. Very handsome. 2 ft. X\$3.00, 5 for \$13.50

BENZOIN aestivale (Spice Bush). 12 ft. Zone IV. Damp. A mist of pale yellow in April. Red berries. *12-18 in.25 \$5.00, 100 \$16.00 2-3 ft.\$1.75 each, 10 \$15.00

BERBERIS thunbergi (Japanese Barberry). 5 ft. Zone IV. Very tolerant. Bushy and dense, red berry in autumn. Fine hedge. *6-12 in. S25 \$4.00, 100 \$12.00 *12-18 in. S ..10 \$2.50, 100 \$18.00 12-15 in. X10 \$5.00, 100 \$40.00 18 in. ..\$1.25, 10 \$8.00, 100 \$75.00

—*Atropurpurea.* Red leaf form. *6-12 in. S25 \$9.00, 100 \$22.00 18 in. X \$1.25, 10 \$9.00, 100 \$85.00

—*Crimson Pygmy.* Very dwarf, purple-leaf. Outstanding. New. *2 in. pots10 \$6.50, 100 \$50.00 12-15 in. BB\$4.00, 10 \$35.00

PRUNING SHRUBS—Flowers come on old wood, so the rule is to prune when in bloom or just afterward. Thus no potential bloom is lost. Natural shrub shape is to have many main stems in a clump all ascending from the ground, so prune out old branches.

Beauty All Year A TIME-TABLE OF SHRUBS

SPRING	EARLY SUMMER	LATE SUMMER	AUTUMN
†Amelanchier	†Deutzia (all kinds)	†Albizzia julib. rosea	Hibiscus syriacus
†Benzoin aestivale	†Enkianthus campanulata	Buddleia (varieties)	Hydrangea P. G.
†Chaenomeles (Cydonia)	Exochorda grandiflora	Calycanthus floridus	Vitex agnus castus
†Daphne Mezereum	Kolkwitzia	Cephalanthus	Fruit:
†Forsythia (all kinds)	†Lonicera (shrub kinds)	†Clethra alnifolia	†Berberis thunbergii
†Hamamelis mollis	Philadelphus virginal	Hydrangea A. G.	Callicarpa purpurea
†Spiraea von Houttei	Potentilla fruticosa	Hypericum prolificum	Photinia villosa
†Syringa (most lilacs)	Spiraea trichocarpa	Spiraea A. Waterer	†Rhus cotinus
†Tamarix africana	Syringa josikea	Fruit:	†Symphoricarpus
†Viburnum carlesii	†Weigela (all kinds)	†Lonicera (shrub kinds)	†Viburnum (many kinds)

BUDDLEIA (Butterfly Bush). Zone V. 6 ft. June-Aug. Drain.
—charming. Pink.
—Dubonnet. Wine-red.
—ile de france. Claret purple.
—Blue Wonder. Real blue.
—White Spear. White.

Prices on above 5 varieties ppd.
2 yr.\$1.45 each (any 2 \$2.50)

CALICARPA purpurea (Beauty-berry). 5 ft. Zone V. Violet berries, Oct. Tolerant. Very showy.
18-24 in.\$1.75 each, 10 \$12.50

CALYCANTHUS floridus (Sweetshrub). 9 ft. Zone IV. Fragrant brown in June.

*12 in. S10 \$2.50, 100 \$9.00
2 ft. X..\$1.50, 10 \$9.00, 100 \$75.00

CARYOPTERIS Blue Mist. 2 ft. Roots hardy. Zone III. (Tops about Zone VI). Many showy clear blue flowers Aug. to frost. Tolerant.

2 yr. (18 in.) \$1.45 ppd., 10 \$12.00

CHAENOMELES japonica (Japanese Quince). 4 ft. Zone IV. Sun. Bushy dwarf. Scarlet flowers in April. A tolerant ornamental shrub. Slow growth. Can be kept pruned.

*12 in. S ..25 for \$4.50, 100 \$13.50
2 ft. X \$1.35, 10 \$11.00, 100 \$95.00

—Glowing Embers. New red.

—Juliet. Coral pink.

—Rubra grandiflora. Early red.

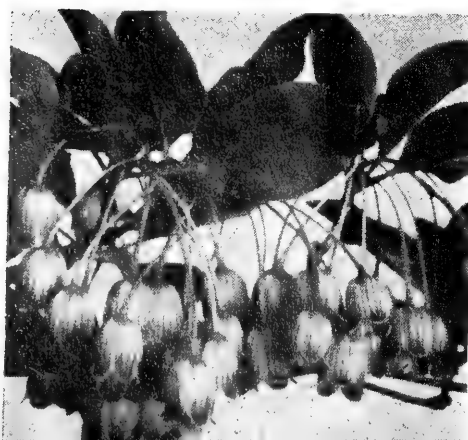
—nivilis. Large, pure white.

1 yr. graft, (18") \$2.00, any 5 \$7.50

—upright red. 6 ft. Grafted form. Grows only vertical stems. Neat, useful, showy.

*12 in.10 \$5.50, 100 \$35.00
2-3 ft. X\$1.75 each, 10 \$12.50

Enkianthus



CITRUS trifoliata. 12 ft. Zone V. A hardy orange. Not edible, but showy small "oranges".

12-18 in. S 5 ppd. \$4.00, 100 \$40

CLETHRA alnifolia (Summer Sweet). 7 ft. Zone III. White fragrant spikes vary from July to August. Acid soil.

*12 in. S10 \$3.00, 100 \$16.00
2-3 ft.\$2.25 each, 10 \$20.00

—a. rosea. Rare pink flowered form. Showy plant.

*2¼ in. pot ..10 \$8.00, 100 \$65.00
2-3 ft. ..\$2.85, 10 \$22.00, 100 \$180

—barbinervis (Japanese). 20 ft. Zone V. White, fragrant. Aug. to October.

*6-10 in. X 5 ppd. \$4.50, 100 \$55.
12-15 in.\$1.50 each, 10 \$13.50

CORNUS mas (Cornelian Cherry). 20 ft. Zone IV. Yellow bloom April. Scarlet berry August. Tolerant.

*6-12 in. S 25 for \$8.00, 100 \$25.00
2-3 ft.\$2.25 each, 10 \$18.00
3-4 ft.\$3.00 each, 10 \$22.50

alba elegantissima. Leaves edged white. Blood-red stems. White fruit July. Grows any soil.
2-3 ft.\$2.50 each, 10 \$20.00

COMPTONIA asplenifolia (Sweetfern). 6 ft. Zone II. Grows even on barren soil. Fern-like leaves. Collected clumps only.
2-3 ft.5 \$6.00, 100 \$85.00

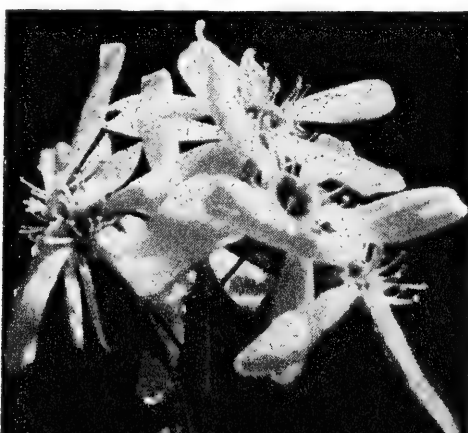
CORYLOPSIS sinensis. 15 ft. Zone V. Fragrant yellow, April.
18-24 in.\$3.25 each, 5 \$12.00

CYRILLA racemiflora (Leatherwood). 25 ft. Zone V. White in June. Scarlet fall leaves.

*3 in. pot ..2 ppd. \$4.00, 10 \$13.50

CYTISUS—(See Page 11.)

Amelanchier



DAPHNE Genkwa (Lilac Daphne). 3 ft. Zone V. Lilac clusters in April.

1½-2 ft.\$7.50 each, 5 \$35.00
12-18 in.\$5.50 each, 5 \$25.00

Mezereum. (February Daphne.) 3 ft. Zone IV. Purple-red in March.

*4-6 in. X 5 for \$4.75, 100 \$60.00

DEUTZIA gracilis. 3 ft. Zone IV. Drain. Dainty mass of white, May.

15-18 in. \$1.75, 10 \$15.00, 100 \$95
1½-2 ft.\$2.50, 10 for \$18.00

—rosea. Pink flowers.

12-18 in. X \$1.50 each, 10 \$12.50

scabra — Pride of Rochester. Large pinkish white blooms. Vigorous. Zone V. 8 ft.

*12 in. S ..10 for \$1.75, 100 \$9.50
3 ft.\$1.25, 10 \$9.50, 100 \$60.00

ELEAGNUS angustifolia (Russian Olive). 20 ft. Zone II. Drought-resisting. Yellow berries in September.

*12-18 in. S25 \$3.00, 100 \$9.00
3 ft. X \$2.00, 10 \$15.00, 100 \$130

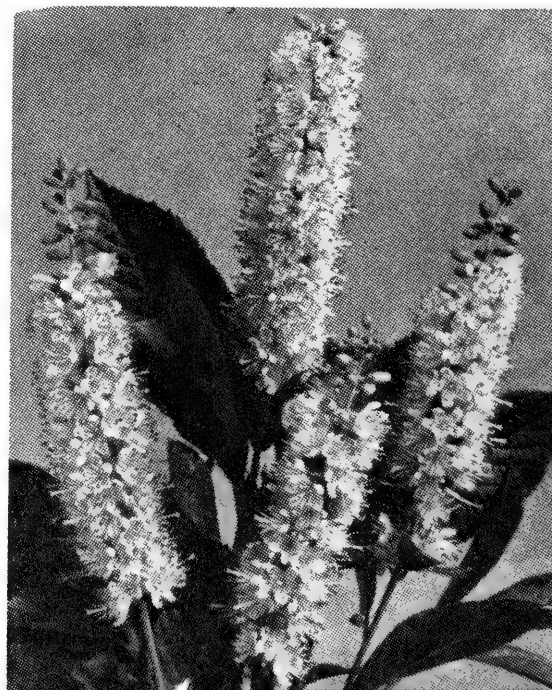
ENKIANTHUS campanulatus. 15 ft. Zone IV. Red-veined yellow flowers in May. Brilliant red autumn leaves. Humus, acid.

*2¼ in. pot 10 \$7.50, 100 \$60.00
18-24 in. X ..\$2.50 each, 5 \$10.00

perulatus. 6 ft. Zone V. Handsome small shrub. White in April.

12-15 in. X\$2.75, 10 for \$20.00

Clethra alnifolia



EUONYMUS alatus (Winged Euonymus). 8 ft. Zone III. Pink-Crimson autumn leaves. Showy.

1½ ft. \$2.50, 10 \$20.00, 100 \$180

—**compacta**. Dwarf form, 5 ft.
*4-6 in. X10 \$7.50, 100 \$60.00
18-24 in.\$2.75 each, 10 \$25.00

Americana (Srawberry-bush). Zone VI. 8 ft. Large pink and scarlet fruit, Sept.-Oct.

2-3 ft.\$3.00 each, 10 \$20.00

Europea (Burning-bush). 15 ft. Zone III. Fruit red-pink, Oct.

2-3 ft.\$2.50 each, 10 \$15.00

yedoensis (Yahoo). 12 ft. Zone IV. Pink fruit in Sept. Handsome.

*1 yr. S25 \$6.50, 100 \$20.00
2-3 ft.\$1.60 each, 10 \$12.50

EXOCHORDA racemosa (Pearl-bush). 9 ft. Zone IV. Showy white, April-May.

*1 yr. S25 \$8.00, 100 \$30.00
1½-2 ft.\$1.95 each, 10 \$17.50

GREWIA biloba (Star Flower). Cream flowers, orange fruit. 8 ft. Zone VI.

3-4 ft.\$3.00 each, 5 \$12.50

FORSYTHIA intermedia (Golden Bell). 9 ft. Zone VI. Familiar yellow blooms in April.

*12-18 in S25 \$3.50, 100 \$9.50
2-3 ft. X \$1.25, 10 \$7.50, 100 \$55

—**Arnolds Dwarf**. 2 ft. Zone V. Very dwarf. Showy flowers.

*2 in. pot10 \$6.50, 100 \$45.00
18-24 in.\$2.00 each, 10 \$12.00

—**Lynwood Gold**. 7 ft. Zone V. Very many, very large, very deep yellow blooms. New, outstanding.

*1 yr. cuttings 10 \$7.50, 100 \$55
2 ft.\$2.00, 10 \$16.00, 100 \$135

—**spectabilis**. More, larger, yellow flowers. Zone V. 8 ft.

*12 in.25 \$4.00, 100 \$12.00
2 ft.\$1.50, 10 \$7.50, 100 \$55.00

—**spring glory**. A new forsythia hybrid very showy, hardy.

*2 yr. X5 \$3.00, 100 \$40.00
2-3 ft. \$1.35, 10 \$11.00, 100 \$95.00

ovata (Korean Forsythia). 6 ft. Zone IV. Less showy, but decidedly hardier and a week earlier.

*2 yr. X10 \$5.00, 100 \$32.00
3 ft. \$1.60, 10 \$13.50, 100 \$95.00

suspensa (Weeping Golden Bell). 6 ft. Zone V. Good May show. Drooping branches root and hold banks.

2-3 ft \$1.75, 10 \$12.50, 100 \$95.00

NEW FORSYTHIAS

Beatrix Farrand. 6 ft. Vigorous. 2-inch flowers, huge deep gold with orange markings. Splendid.

*6-12 in. X 10 \$8.50, 100 \$55.00
2-3 ft.\$2.50 each, 10 \$20.00

Arnold's Brilliant. Unusually bright tone of yellow, very fine.

6-12 in. X 10 for \$8.50, 100 \$55
3-4 ft.\$3.75 each, 10 \$30.00

HAMAMELIS japonica rubra (Red Japan Witch-hazel) 20 ft. Zone V. Showy in Feb. and March.

*1 yr. graft\$3.00, 5 for \$12.00
2-3 ft.\$5.00, 5 for \$20.00

—**mollis** (Chinese Witch-Hazel). Very showy yellow. Feb. and March. 20 ft. Zone V.

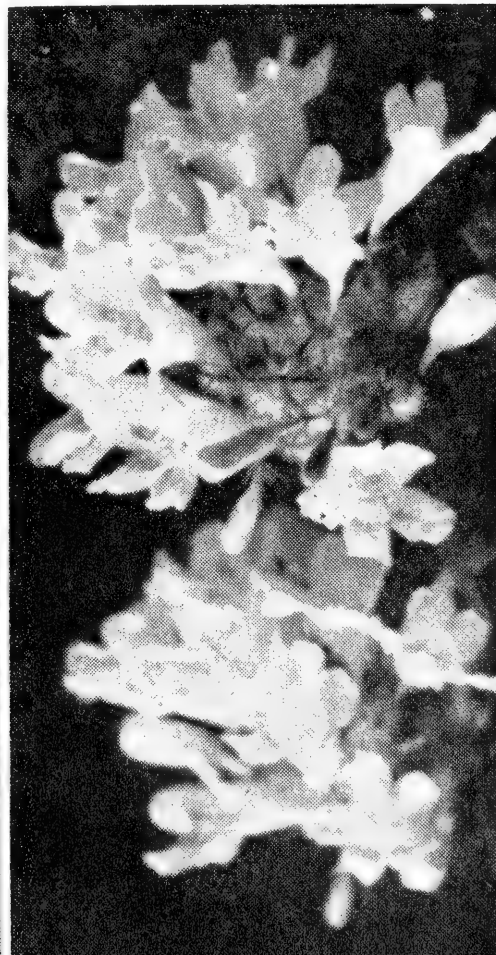
2-3 ft.\$6.00 3-4 ft.\$8.00

vernalis (Spring Witch-Hazel). 6 ft. Zone V. Yellow, fragrant in April.

*6-9 in. S25 \$8.00, 100 \$28.00
2-3 ft. \$2.00, 10 \$15.00, 100 \$120

virginiana (Winter Witch-Hazel). 12 ft. Zone IV. Yellow in November.

*12 in. S25 \$5.00, 100 \$15.00
2-3 ft. \$2.50, 10 \$15.00, 100 \$75.00





Hydrangea paniculata grandiflora



Deutzia gracilis—good dwarfs are few.

HIBISCUS syriacus (Althaea). 12 ft. Tree-like. Zone V. Heavy soil. Various colors in July and August. A useful shrub.

—**Anemoneflora**. Double pink.

—**Double Red**. Showy flower.

—**Jeanne d' Arc**. White, double.

Any of above double kinds:
*12 in. S25 \$5.00, 100 \$15.00
2 ft.\$1.50 each, 10 \$12.00

—**Hamabo**. White and red.

—**Coelestis**. Large single blue.

Above two single kinds only:
2-3 ft.\$2.50 ppd., 5 \$10.00

HYDRANGEA arborescens grandiflora (Snow Hill). 4 ft. Zone IV. Straggling unless cut to ground. Huge white blooms, July-August. Manure.

2-3 ft. \$1.80, 10 \$15.00, 100 \$125.

paniculata grandiflora (Peegee). 7 ft. Zone IV. Similar to above, a month later, and blooms turn pinkish long after opening.

*12-18 in.10 \$3.50, 100 \$22.00
2-3 ft. \$1.75, 10 \$8.50, 100 \$65.00

—**Tree Form**. 9 ft. Grown to a single trunk.

3-4 ft.\$3.95 each, 10 \$35.00
4-5 ft.\$5.00 each, 10 \$45.00

Hortensis Blue. 6 ft. Zone VI. August to frost, blue in acid soil. 3 year\$2.25 each, 2 \$4.00 ppd.

HYPERICUM Frondosum (aureum). Golden St. Johnswort. Zone V to 4 ft. Bright yellow in August. Drain. Neutral soil. 2-3 ft.\$1.75 each, 10 \$15.00

—**Hidcote**. 2 ft. Zone V. Huge bright yellow. June to Oct.

2 year\$2.50 each, 5 \$9.25

Kalmianum. 3 ft. Zone IV. Brightest gold, July-August. The best hardy Hypericum.

2-2½ ft.\$2.00 each, 10 \$12.00

ILEX verticillata (Winterberry). 15 ft. Zone III. Dampness preferred. Many red berries all winter. A show.

*12-18 in. S ..25 \$5.00, 100 \$15.00
2-3 ft. \$1.95, 10 \$16.00, 100 \$125
3-4 ft. \$2.75, 10 \$22.00, 100 \$175

Serrata. Zone V. Similar, but smaller in every part.

12-18 in (pot) 5 for 4.50, 10 \$7.50

KERRIA japonica (Kerria). 6 ft. Zone IV. Single bright yellow all spring.

*6-12 in. S10 \$3.50, 100 \$25.00
2-3 ft.\$2.25 each, 10 \$18.00

—**japonica fl. plena**. (Double Kerria). The same with double yellow blooms.

1½ ft. \$1.75, 10 \$15.00, 100 \$140

* = young, unformed. X = transplanted. BB=ball of earth, shapely. Plants not marked: well shaped.

KOLKWITZIA amabilis (Beauty Bush). 8 ft. Zone V. Sun, loose. A light green fountain flushed with cascade of pink in June.

*12-15 in. X 25 \$20.00, 100 \$75.00
2 ft. \$1.80, 10 \$13.50, 100 \$95.00
3-4 ft.\$2.50 each, 10 \$17.50

LAGERSTROMIA (Crepe Myrtle). Great trusses of pink Aug. to Oct. 15 ft. Zone VI. Order: **Pink, Red or White**.

2 ft. \$2.75, 10 \$25.00, 100 \$200.00

LIGUSTRUM amurense (Amur Privet "North"). 12 ft. Zone V. Almost foolproof.

*12 in. (2 Br.) 25 \$3.50, 100 \$10.00
1½ ft. (3 Br.) 25 \$6.50, 100 \$20.00
3 ft. (4 Br.) 10 \$7.50, 100 \$45.00

Ibodium (Hybrid). 12 ft. Zone V. Like California, but hardier.

*12 in. (2 Br.) 25 \$3.50, 100 \$10
1½ ft. (3 Br.) 25 \$6.50, 100 \$20
3 ft. (4 Br.) 10 \$7.50, 100 \$45.

—**Obtusifolium vicary**. (Very Golden Privet). Bright yellow leaves. 9 ft. Zone III.

6-12 in. X10 \$7.00, 100 \$55.00
12-15 in. \$1.50, 10 \$12.00, 100 \$85

—**Regel's**. 6 ft. Zone V. Handsome, dense shrub. Horizontal branches.

2-3 ft.5 \$6.00, 100 \$95.00

Ovalifolium (California). 20 ft. Zone VI. Common, popular.

12 in. (2 Br.) 25 \$3.50, 100 \$10.00
2 ft. (4 Br.) 25 \$6.50, 100 \$20.00

LONICERA fragrantissima. (Winter Honeysuckle). 6 ft. Zone V. Yellow, fragrant, April; red berries, July. Semi-evergreen.

*12-18 in.25 \$5.00, 100 \$15.00
2-3 ft. \$1.35, 10 \$7.50, 100 \$50.00

Compacta nana (Clavey's dwarf) Zone IV, 4 ft., dense low growth.
*8-12 in. X 10 \$6.00, 100 \$45.00
2 ft.\$2.00 each, 10 for \$16.00

Maacki. (Showy Fragrant Honeysuckle). 15 ft. Zone II. White in June. Red fall berries.
3-4 ft. \$2.00, 10 \$15.00, 100 \$120

Maximowizi sachilensis. 9 ft. Zone IV. Purple in May, red fruit in August.
3-4 ft. \$1.95, 10 \$15.00, 100 \$110

morrowi (Morrow Bush Honeysuckle). 7 ft. Zone III. Spreading, bushy. Cream in May, scarlet fruit in July.

*12-18 in.25 \$4.00, 100 \$12.00
2-3 ft.2 \$3.00 ppd., 25 \$12.50

tatarica (Tatarian Honeysuckle). 8 ft. Zone IV. Bushy. Flower, June; red berry, July. Order: **White or Pink.**

*12-15 in.25 \$4.00, 100 \$12.00
2-3 ft. \$1.35, 10 \$9.00, 100 \$45.00

—**Zabelli (Red).** Fine color form of tatarica.

*12-18 in.25 \$7.00, 100 \$25.00
2 ft. ..\$1.35, 10 \$11.00, 100 \$90.00

MYRICA carolinensis (Bayberry). 6 ft. Zone II. A shapely rounded bush. Good foliage. Barren, sandy soils.

*6-12 in. S10 \$6.00, 100 \$45.00
12 in. BB5 \$12.00, 100 \$150.00

PHILADELPHUS coronarius (Sweet Syringa). 9 ft. Zone IV. White in June. Very fragrant. Needs lime.

*12-18 in.25 \$4.50, 100 \$15.00
3 ft.\$1.50, 10 \$9.00, 100 \$60.00

—**Frosty Morn.** 4 ft. Zone IV. White, double, fragrant, July. Fine new dwarf.

18-24 in.\$2.00 ppd., 5 \$9.00

—**virginal.** 8 ft. Zone V. Double, fragrant, translucent white blooms load the bush in June. Then a few show through summer, particularly if pruned.

*6-12 in. S25 \$8.00, 100 \$25.00
*2 yr. 18 in. 10 \$6.50, 100 \$40.00
2 ft.....\$1.50, 10 \$12.50, 100 \$95.00

—**Minnesota snowflake** (new). Double, fragrant, large flowers. Zone III.

18-24 in.\$1.50 each, 10 \$12.50
2-3 ft.\$1.95 each, 10 \$16.00

PHOTINIA villosa (Christmas Berry). 20 ft. Zone IV. Drain, sun. White in May. Showy red fruits. Birds love it.

*12 in. S 10 \$5.00 ppd., 100 \$25.00
3-4 ft. \$2.00, 10 \$15.00, 100 \$125

POTENTILLA fruticosa. 5 ft. Zone II. Large bloom, May to August. Sun, drain, moist.

—**purdomi.** Light yellow variety.
18 in.—\$3.50 2 ft.—\$4.50

—**Golddrop.** Dwarf fern-like leaves, gold flowers all summer. Zone IV.

1-1½ ft. \$1.60 each, 2 \$2.95 ppd.

RHODOTYPOS scandens (Jetbeds). 6 ft. Zone IV. Showy white late in May. Showy black fruit. 2-3 ft. \$1.75, 10 \$15.00, 100 \$95.00

RHUS canadensis (Fragrant Sumac). 4 ft. Trailing. Zone III. Yellow, April. Grows in poor soil. Fine bank cover.

1½ ft. \$1.75, 10 \$12.00, 100 \$75.00
3 ft.\$2.75, 10 \$18.00, 100 \$95.00

ROBINIA hispida (Rose Acacia). 10 ft. Zone V. Large rosy flowers in May. Very tolerant. Showy.

*12 in. S25 \$5.00, 100 \$15.00
2-3 ft.\$2.00 each, 10 \$15.00

ROSA (Shrub roses). Hardy, tolerant. Need sun. See page 64.

hugonis (Hugo Rose). 6 ft. Zone V. Yellow in April or early May. 1½-2 ft.\$2.00 each, 10 \$17.50

rugosa. Red all summer. 6 ft. Zone II.

15-18 in.\$2.50 each, 10 \$22.50

rugosa alba. White form.
18-24 in.\$3.00 each, 5 \$13.50

rubiginosa (Sweetbriar). Zone IV. Pink in June. Fragrant leaves. Suitable for natural effects.

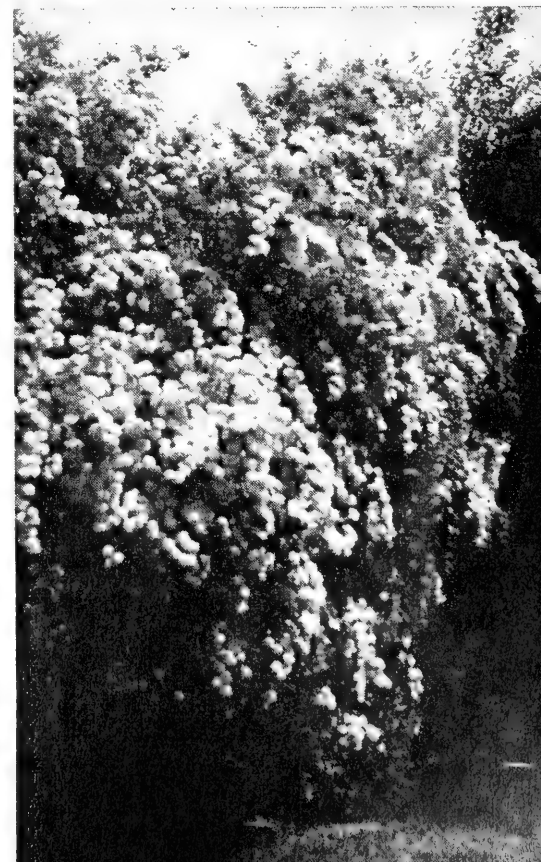
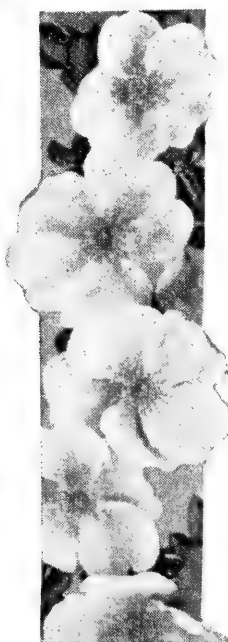
1-2 ft.5 \$4.50 ppd., 100 \$45.00

Wichuriana. (Page 35.)

Spiraea Van Houtte

Philadelphus virginal

Rosa Hugonis



SPIRAEA Anthony Waterer. 3 ft. Zone V. Rose blooms, June to August.

*12-15 in. X 10 \$10.00, 100 \$65.00
18 in. ..\$1.80, 10 \$15.00, 100 \$95.00

Arguta. 8 ft. Zone IV. Pure white in May. Showiest early Spirea.

2-3 ft. \$1.75, 10 \$12.50, 100 \$90.00

Froebeli. 5 ft. Zone V. Bright crimson in June.

*12 in. S10 \$3.50, 100 \$20.00
2-3 ft. \$1.50, 10 \$12.00, 100 \$95.00

macrothyrsa. 4 ft. Zone IV. Spikes of bright cameo pink all summer if kept cut. No pests. Sun or part shade.

2-3 ft.\$1.75 each, 2 \$3.00

Van Houttei (Modern "Bridalwreath"). 6 ft. Zone IV. Familiar everywhere for the white May garlands.

*12-18 in.25 \$5.00, 100 \$15.00
2 ft.\$1.10, 10 \$7.50, 100 \$50.00

prunifolia (true Bridalwreath). 8 ft. Zone V. Double white, May.

*12-18 in. S ..25 \$5.00, 100 \$15.00
3 ft.\$2.00, 10 \$12.00, 100 \$90.00

SYMPHORICARPOS racemosus (Snowberry). 5 ft. Zone III. Clay, lime. Useful for showy white berries in August. Good dwarf shrub.

*12-15 in. S 25 \$5.00, 100 \$15.00
2 ft.\$1.35, 10 \$8.00, 100 \$75.00

vulgaris (Coralberry). 5 ft. Zone II. Berries red, hang late.

*12-15 in.25 \$4.00, 100 \$15.00
1½ ft. \$1.25, 10 \$8.50, 100 \$60.00

chenaulti. 8 ft. Zone III. Graceful. Rose-pink berries.

*12 in. ..10 ppd., \$3.00, 100 \$15.00
18-24 in. \$1.35, 10 \$8.50, 100 \$60.

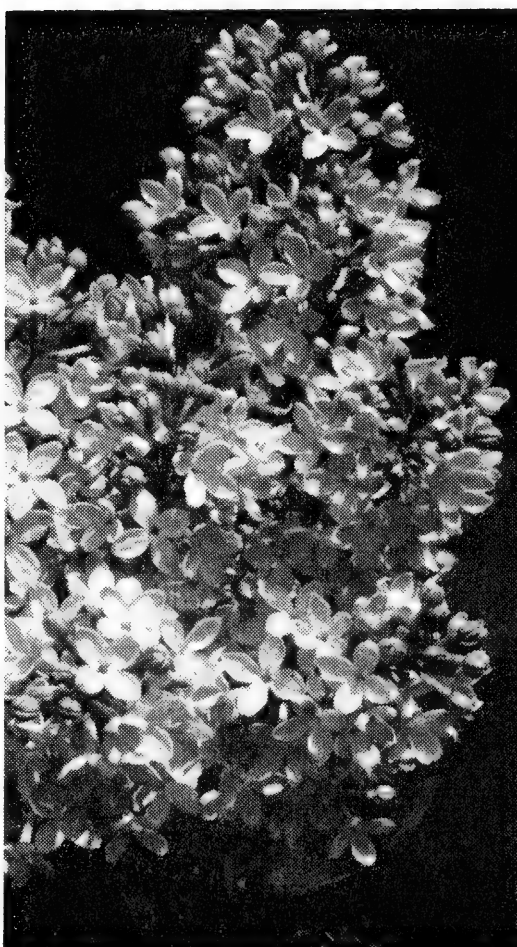
TAMARIX—summer glow. 10 ft. Zone II. Red racemes. July-Aug.

1½-2 ft.\$2.00 each, 10 \$15.00

—**pink cascade.** 7 ft. Neater growth. Pink bloom all summer. 2 year\$2.25 each, 10 \$20.00

parviflora ("africana"). 9 ft. Zone IV. April flowers.

2-3 ft.\$1.50 each, 10 \$12.00



Double Hybrid Lilac



Single Hybrid Lilac

SYRINGA—the Lilacs

NAMED FRENCH LILACS

All tolerant, but need extra lime. All hardy in Zone III, fine for the north.

Huge fragrant trusses in many colors. Both "S" (Single) and "D" (Double) forms are charming. Ratings below are by experts—10.0 would be perfect. Color notes are mere indications.

Any 5 below 18-24 inch for \$9.50—postpaid. (25 for \$35.00).

—**Charles Joly** (6.8) Double Red.

—**Charles Tenth** (6.8) Single Red

—**Des Fontaines** (6.1) D. Violet

—**Ludwig Spaeth** (7.8) S. Reddish

—**Mme. Casimir Perier** (6.3) D. White

—**Mme. Florent Stepman** (6.8) S. White

—**Mme. LeMoine** (6.6) D. White

—**Michael Buchner** (7.2) D. Pink

—**Pres. Grevy** (6.9) D. Blue

—**Thunberg** (6.9) D. Pinkish

—**Vestale** (8.5) S. White. Outstanding

—**Volcan** (6.7) S. Reddish

—**Waldeck Rousseau** (6.7) D. Pink-Lavender

chinensis ("Rothomagensis") (6.9) 12 ft. Zone V. Graceful; Lilac, May. Very faithful bloomer. Lime. Sun.

2 ft.\$1.75, 10 \$12.50, 100 \$100

microphylla (Everblooming Lilac). 6 ft. Zone V. (7.3). Light lilac blooms in June and fall.

2-3 ft.\$2.50 each, 10 \$20.00

—**superba.** Shapelier, and color pink, red buds. Grand.

*1 yr. graft5 \$6.00, 100 \$75.00

2-3 ft.\$2.75 each, 10 \$19.00

3-4 ft.\$3.75 each, 10 \$25.00

persica (Persian Lilac). 6 ft. Zone V. Pale purple, fragrant.

*12 in. S25 \$8.00, 100 \$25.00

2-3 ft.2 ppd. \$2.50, 100 \$80.00

vulgaris (Old-fashioned Lilac). 15 ft. Zone III. Spreads by suckers to huge clumps. Purple, May. Fragrant.

*12-15 in. S 10 \$5.00, 100 \$18.00

1½ ft. \$1.50, 10 \$8.00, 100 \$60.00

2 ft.\$1.75, 10 \$13.50, 100 \$90.00

—**alba.** White form of above.

2-3 ft. ..\$1.75, 10 \$13.50, 100 \$100

villosa (Late Lilac) (6.2). 9 ft. Zone II Pale pink-lilac in June.

*12 in. S25 \$5.00, 100 \$17.00

1½-2 ft.\$2.50 each, 10 \$20.00

VIBURNUM

Not only showy flower and fruit but perfect in leaf and branch too. Charming, tolerant.

American (see *V. trilobum*).

burkwoodi. 5 ft. Zone V. New hybrid, with fragrant pink blooms in May, borne young. Superior to *Carlesii*. Half evergreen.

*2 in. pot5 \$5.00, 100 \$65.00
2-3 ft.\$4.00 each, 3 for \$9.00

carlesii (Fragrant Viburnum). 5 ft. Zone IV. Delicious pink clusters in May. Drain; keep moist in summer. Sun, shelter. Fragrant, beautiful.

*6-9 in. S25 \$15.00, 100 \$50.00
18-24 in.\$2.95 each, 5 \$12.50

carlocephalum. Zone IV. 7 ft. huge white snowballs in May. New hybrid.

15-18 in.\$4.50 each, 3 \$12.00

dilatatum (Linden Vib.). 9 ft. Zone II. Damp, shade. Cream. May.

*12-18 in.10 \$3.00, 100 \$15.00
2 ft. \$2.00, 10 \$15.00, 100 \$120.00

dilatatum (Linden Vib.). 9 ft. Zone V. Showy white, May. Red fruit all winter.

6-15 in. S 10 ppd. \$6.00, 100 \$30
1½-2 ft.\$2.00 each, 10 \$18.00

lantana (Wayfaring Tree). 15 ft. Zone III. Bold, striking, fall color. Fruits red, then black. Lime.

*6-12 in. S 25 \$6.00, 100 \$22.00
2-3 ft.\$2.00 each, 10 \$15.00

opulus (European Cranberry). 12 ft. Zone III. White, May. Fruit and leaf red in autumn. Strong bold effect. Very handsome.

*6-9 in. S25 \$6.00, 100 \$18.00
2-3 ft.\$1.80 each, 10 \$15.00

—**sterile** (Snowball). Bush like *Opulus*, but flowers much showier and no berries at all.

*12-15 in. S 25 \$9.00, 100 \$30.00
2-3 ft. \$1.75, 10 \$15.00, 100 \$120

theiferum. 12 ft. Zone V. Bright red autumn fruit. Very showy.

*6-12 in. S 10 ppd. \$5.00, 100 \$25
2-3 ft.\$2.25 each, 10 \$18.00

—**auranticum**—form with bright yellow fruit. Rare and fine.

12-18 in. X.....\$2.00, 10 \$15.00

tomentosum (Doublefile Viburnum). 10 ft. Zone IV. Horizontal strings of snowy blooms in June.

12-18 in. S 25 \$12.00, 100 \$45.00
2-3 ft.\$2.25 each, 10 \$15.00

—**mariesi**. Neater growth, flowers at an earlier age. Good.

*2-in. band 25 \$12.00, 100 \$40.00
2-3 ft.\$2.75 each, 10 \$15.00

—**plicatum** (Japan Snowball). Form without fruit, but showier.

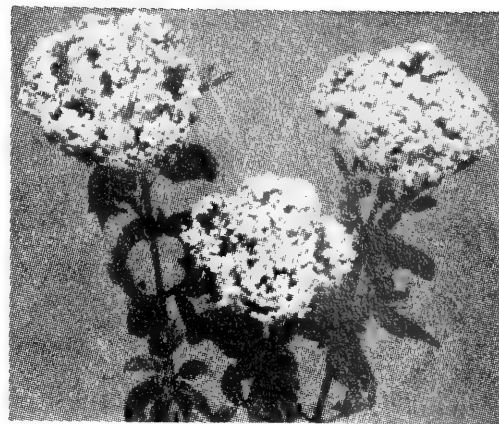
2-2½ ft.\$1.95 each, 10 \$15.00

trilobum (American High-bush Cranberry). 12 ft. Zone II. Bright berries all winter. Fall color.

*12-15 in. S 25 \$8.00, 100 \$25.00
2 ft. \$1.75, 10 \$15.00, 100 \$125.00

Wrighti. 9 ft. Zone V. Showy red fruit in fall. Leaves turn crimson.

*6-12 in. S ..10 \$6.00, 100 \$35.00
2-3 ft. X\$2.00 each, 10 \$15.00



Viburnum Burkwoodi

VITEX macrophylla (Chaste tree). 6 ft. Zone V. Showy blue, July to frost. Sun, acid soil.

18-24 in. \$1.50 each, 2 \$2.50 ppd.

agnus castus. 9 ft. Zone VI. Violet, all summer.

2-3 ft.\$2.00 each, 10 \$18.00

WEIGELA rosea. 9 ft. Zone V. May. Pink. Drainage.

*12-18 in.25 \$5.00, 100 \$15.00
2-3 ft. \$1.50, 10 \$9.00, 100 \$50.00

—**Eva Rathke**. Dark red blooms in June, then sparsely to August.

2-3 ft. \$1.50, 10 \$13.50, 100 \$110

—**Vanicecki**. Bright red blooms. June to August and plenty of them. Splendid new variety.

2-3 ft.\$1.95 each, 10 \$15.00

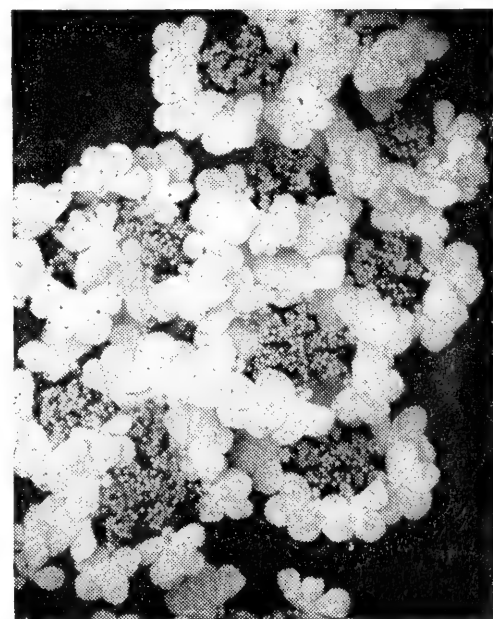
XANTHORRHIZA simplicissima. (Yellow-root). 2 ft., root-spreading bank cover shrub. Zone IV. Tolerant.

*12 in. S.25 \$5.00, 100 \$15.00
1½ ft. (field)\$2.50, 10 \$20.00



Carlesii Opulus Tomentosum

Viburnums differ greatly, but are all charming shrubs.



VINES

These plants are really shrubs that climb; plant just like shrubs (see Page 25). Evergreen kinds are treated like broadleaf evergreens (Page 9). Vines and plants for Ground Covers are on next pages.

Their climbing habits vary: Some need tying, others will twine if supports are available, others cling or root to rough surfaces without support. All are tolerant, those marked * in table need no care at all.

AKEBIA Quinata (Five-leaf Akebia). Zone V vine. Handsome purple bloom in May. Sun. Drain. Free of disease. Fast growing.

(Pots) ...\$2.80 ppd., 5 for \$12.00

—**trifoliata** — Similar in every way not quite so showy, but edible fruits.

2 year ...\$3.50 ppd., 6 for \$15.00

AMPELOPSIS brevipedunculata (heterophylla). Vigorous vine. Zone IV. Showy bright blue berries, Sept.-Oct. Called "Porcelain Ampelopsis." An excellent vine. Tolerant.

4 year ...\$3.25 ppd., 10 for \$20.00

(See also **PARTHENOCISSUS**)

ARISTOLOCHIA durior (Sipho) (Dutchman's Pipe). Vine to 30 ft. Odd, large yellow and brown flowers in May. Large leaves. Vigorous. Tolerant. Zone IV.

2-yr. graft ...\$3.25 ppd., 5 \$11.00

CAMPISIS radicans (Trumpet Vine). 60 ft. Vine. Zone V. Scarlet flowers, July to Sept. Prefers humus. Trained on a post, covers it quickly, and seems a small tree.

2-year\$1.50 each, 5 \$5.00

—**Yellow Trumpet**. Beautiful color, hardy, outstanding, rare.

3 year ...\$3.50 ppd., 5 for \$12.50

—**Mme. Galen**. Orange and apricot. Gorgeous, showier. Hybrid.

2 year\$4.50 each

CLEMATIS paniculata (Sweet Autumn Clematis). 25 ft. Zone V. Woody and vigorous. Fragrant white, Sept.-Oct. Free from pests.

2 year\$1.50 each, 10 \$12.50

CELASTRUS scandens (American Bittersweet). 20 ft. Zone IV. *12-in. S 10 for \$2.75, 100 \$12.50

2 year ...\$1.75 each, 10 for \$12.00

Loesneri. 20 ft. Zone V. Red and yellow fruit. Most fruitful and showy of all bittersweets.

2 year ...\$2.50 each, 6 for \$12.00

Orbiculatus (Oriental Bittersweet). 30 ft. Vine. Zone V. Brilliant red and yellow fruit.

*12 in. S ..10 for \$2.75, 100 \$12.50

2 year ...\$1.50 each, 10 for \$9.50

CLEMATIS Hybrids. 8 ft. Zone V. Bloom July and August. Light loam, manure, drain. Sun.

—**Crimson Star**. Clear red.

—**Mrs. Cholmondeley** — Large, delicate wisteria—blue.

—**jackmani**. Popular rich purple.

2 year\$2.50 each

EUONYMUS fortunei radicans (Winter-creeper). 20 ft. Vine, self-climbing. Zone V. Evergreen. Dainty leaves.

*2¼ inch pot 10 \$9.75, 100 \$50.00

2 year ...\$1.75 each, 10 for \$15.00

—**coloratus**. Rosy-purple leaf.

*12 in. S10 \$8.00, 100 \$55.00

2 year\$1.75 each, 10 \$12.00

—**carietri**. Glossy leaf.

*2¼ in. pot ..10 \$9.75, 100 \$50.00

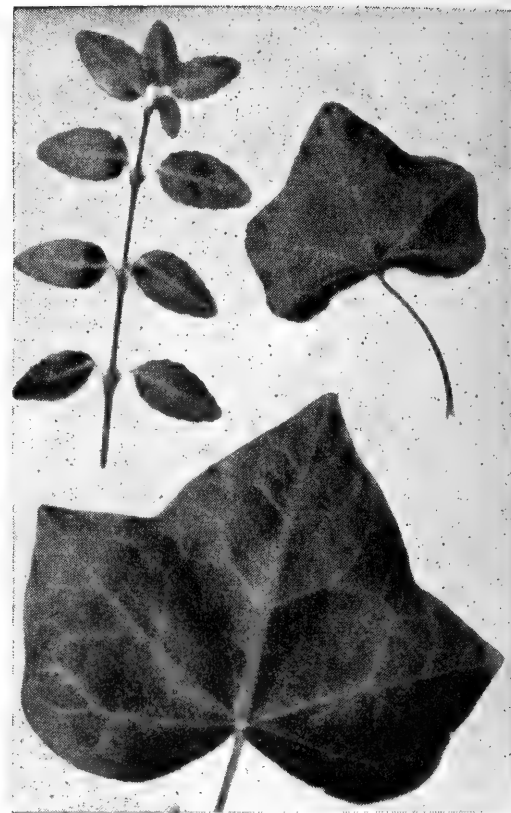
4 year\$3.75 each

—**kewensis**. Tiny dwarf.

3 in. (pot) \$2.50 each, 5 for \$10.00

FATSHEDERA Lizei. Semi-shrub. Evergreen. Zone VI. Rare intergeneric hybrid, **FATSIA X HEDERA**.

3 inch pot 2 for \$4.00, 10 \$17.50



Top: *Euonymus radicans* and *Baltic Ivy*.
Below: *English Ivy*.

HEDERA helix (English Ivy). 60 ft. Vine. Zone V. Evergreen. Self-clinging. Any soil.

*2 in. pots 25 for \$9.50, 100 \$30.00

3 inch pots \$1.50 each, 10 \$10.00

—**h. baltica** (Baltic). Smaller leaf. Zone V.

*2 inch pot ..25 \$7.50, 100 \$26.00

3 inch pot \$1.25, 10 \$9.00, 100 \$72

—**J. C. Bunch**. A heavier growing *Baltic Ivy*.

*2-inch pot ..5 \$3.50, 100 \$35.00

—**conglomerata** (Bunch Ivy). Leaves small, crowded. Slow growth.

*2¼ inch pot 2 for \$2.50, 10 \$7.00

HYDRANGEA petiolaris (Climbing Hydrangea). 35 ft. Vine. Zone III. Self-climbing. Handsome white in June.

2 year ...\$3.75 each, 5 for \$15.00

JASMINUM nudiflorum (Winter Jasmine). 15 ft. Zone V. Bright yellow, Feb. to April. Tolerant.

*6-12 in. X 5 for \$3.50, 100 \$35.00

18 in. X ..\$1.75 each, 5 for \$8.00

ARCOSTAPHYLLOS. (Page 34).

BIGNONIA (now *Campsis*).

PACHYSANDRA. (See Page 35).

PUERARIA. (See Page 35).

ROSA. (Pages 35 and 64).

VINCA. (Page 34).

LIVING ARPETS

FERNES fine ground covers
in the shade

of one kind \$2.50 (postpaid)
of one kind \$4.75 (postpaid)
100 for \$25.00 (express)

ATHER WOODFERN (*Dry-
eris marginalis*). Tolerant,
p shade. Evergreen leaves 30
ies.

INAMONFERN (*Osmunda*).
inches. Any moist soil.

RISTMASFERN. 12 in. Dry
de. Evergreen.

FF-FERN (*Polypody*). 6 in.
rgreen, drain.

ONY SPLEENWORT (*Asple-
m*). 6 inch evergreen. Semi-
de.

YSCENTED FERN (*Dunn-
dtia*). 18 inches. Tolerant.

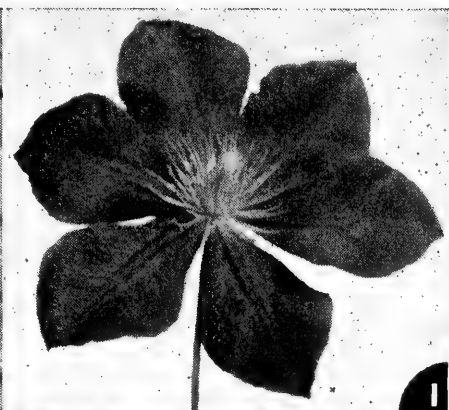
IDENHAIR (*Adiantum*).
h, moist, but drained soil.
ily grown. Showy and popu-

OYFERN (*Athyrium*). 15 in.
de. Very attractive.

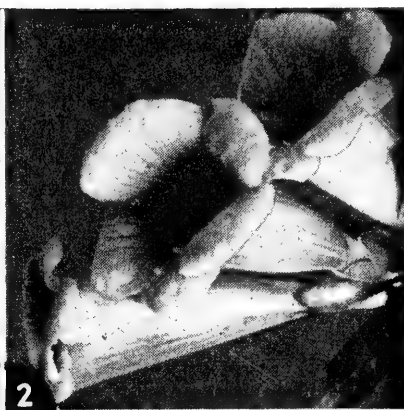
TRICH FERN (*Pteretis nodu-
l*). 36 inch. Very tolerant.
s makes a delicious, nutri-
s asparagus substitute.



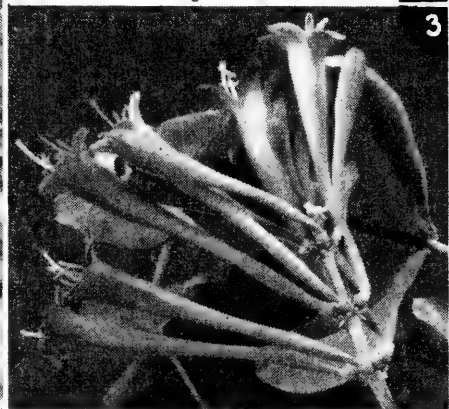
Wisteria
Blooms



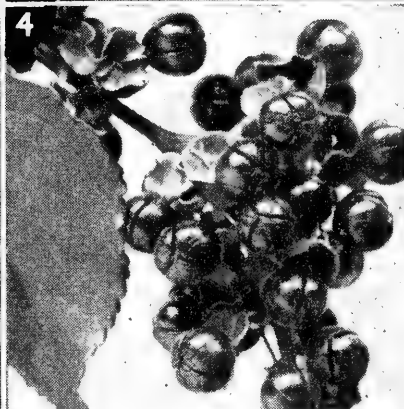
1. Clematis Jackmani



2. Campsis radicans



3. Lonicera sempervirens



4. Celastrus scandens

LONICERA heckrotti (Ever-
blooming Honeysuckle). Dwarf
vine. Zone V. Yellow and purple
to Sept. Can be pruned as a
shrub.

2 year\$1.75 each, 5 for \$6.50

—**heckrotti goldflame**. Color yel-
low and red, very showy form.
2-yr. No. 1 \$1.75 each, 10 \$15.00

henryi. Zone V. Truly evergreen.
Yellow-orange in May, black
berries in summer.

1-yr. No. 13 for \$5.75

japonica halliana (Japanese
Honeysuckle). 20 ft. Zone V.
Quick cover for walls or ground.
Fragrant, yellow, June.

2-yr. No. 1, 5 for \$2.00, 100 \$18.00

**PARTHENOCISSUS quinque-
folia** (Virginia Creeper). Vine. 30
ft. Zone V. Vigorous. Fall color.

*6 inch S 10 for \$2.50, 100 \$15.00
2 year \$2.00, 10 \$7.50, 100 \$60.00

—**engelmanni** (Engelmann Ivy).
The same with smaller leaves.
2 year5 for \$4.50, 100 \$65.00

tricuspidata (Boston Ivy). Vine
40 ft. Zone V. The most popular.
Self-clinging. Dense. Fall color.
2 year X \$1.75, 10 \$10.00, 100 \$85

—**tricuspidata lowi**. A neater,
smaller leaf, denser growth. Very
fine.

2 year\$3.35 each, 3 for \$8.00

POLYGONUM auberti (Silver
Lace Vine). 25 ft. Zone V. Amaz-
ingly fast grower. Covered with
white bloom September and Oc-
tober. Tolerant. Prune back to
live wood each spring.

2 year\$1.75 each, 5 for \$6.00

WISTERIA floribunda (multi-
juga). (Long-cluster Wisteria).
25 ft. Zone V. Fragrant purple
long clusters, May and June.
Humus, drain, sun.

2 year X ..\$1.95 each, 5 for \$7.50

—**praecox** (Issai). Dwarf, blue.
Very young to bloom. Showy.
3 year\$6.00 each, 2 for \$11.00

—**alba**. Long white clusters.
3 year\$6.00 each, 2 for \$11.00

frutescens (American Wisteria)
to 40 ft. Zone V. Lilac-purple,
July and August. Showy.

2 yr. No. 15 for \$5.25 ppd.

sinensis (Chinese Wisteria). 30
ft. Zone V. Short, compact, vio-
let in May. Fragrant. Sun, drain.

*18 in. S. 10 for \$6.00, 100 \$35.00
2 year ..\$1.75 each, 10 for \$15.00

Symbols Used in This Guide

* = young, unformed. X =
transplanted. S = seedlings.
(Plants not marked: well
shaped.)

VI

These plants are really shrubs (see Page 25). Evergreen lianas and vines (Page 9). Vines and shrubs.

Their climbing habits vary: some need supports, others do not. All are tolerant of all soils.

AKEBIA Quinata (Five Akebia). Zone V vine. Handful of purple bloom in May. Drain. Free of disease. Growing.

(Pots) ...\$2.80 ppd., 5 for \$13.50

—**trifoliata** — Similar in habit, but not quite so showy, but bears blue fruits.

2 year ...\$3.50 ppd., 6 for \$21.00

AMPELOPSIS brevipedunculata (heterophylla). Vigorous Zone IV. Showy bright blue flowers, Sept.-Oct. Called "Porcelain Ampelopsis." An excellent climber. Tolerant.

4 year ...\$3.25 ppd., 10 for \$32.50

(See also **PARTHENOCISSIS**)

ARISTOLOCHIA durior (Squill). (Dutchman's Pipe). Vine 10-15 ft. Odd, large yellow and red flowers in May. Large leaves. Vigorous. Tolerant. Zone I

2-yr. graft ...\$3.25 ppd., 5 for \$16.25

CAMPSIS radicans (Trumpet Vine). 60 ft. Vine. Zone V. Bright yellow flowers, July to Sept. Prefers humus. Trained on a post, it grows quickly, and seems a tree.

2-year ...\$1.50 each, 5 for \$7.50

—**Yellow Trumpet**. Beautiful color, hardy, outstanding. 3 year ...\$3.50 ppd., 5 for \$17.50

—**Mme. Galen**. Orange and white. Gorgeous, showier. Hybrid. 2 year ...\$4.50

CLEMATIS paniculata (Autumn Clematis). 25 ft. Zone V. Woody and vigorous. Flowers white, Sept.-Oct. Free from disease. 2 year ...\$1.50 each, 10 for \$15.00



Photo: Vinca Minor

VINCA (The Myrtle)

The most satisfactory, showy, trouble-free of all ground covers. The leaf is small, shiny, dark green all year round. Even in full shade, the leaves grow thickly. It spreads by underground roots. To be sure of coverage within (say) 2 years, we recommend spacing 12 in. apart. There are blue flowers, showy and cheerful, all spring. Will grow and thrive in any soil.

Planting—Clumps come tied compactly. Untie and spread out. (25) (100) (1000)
Strong clumps\$5.00 \$15.00 \$120.00

BOWLES (Improved) VINCA

2 year pots12.00 40.00

RARE EVERGREEN GROUND COVERS

HARDY GALAX (*Galax aphylla*)—Huge bronze and green leaves. Moist shade.

(10) (25) (100)
Clumps with ball 6.00 10.00 30.00

TRAILING ARBUTUS (*Epigaea repens*)—Waxy pink, May. Zone II, acid soil, semi-shade.

Balled clumps 6.00 10.00 30.00

OCONEE BELLS (*Shortia glaucifolia*)—Rarest of all. Zone V.

Clumps 6.00 10.00 30.00

BEARBERRY (*Arctostaphylos uva-ursi*)—Low matting evergreen. Best cover for sandy banks—succeeds even on sea-shore. Sun, drain.

Pot-grown 9.50 20.00 75.00

WINTERGREEN (*Gaultheria procumbens*)—Small neat mat of evergreen in baking sun.

Balled clumps 3.50 8.00 25.00

MOTTLED WILDGINGER (*Asarum shuttleworthi*)—Large round evergreen leaves, shade or sun.

Strong clumps with ball 6.00 10.00 30.00



Baltic Ivy



Honeysuckle

Plants that cover ground where grass will not thrive are

LIVING CARPETS

Prevent Erosion on Steep Banks

Steep slopes can be put into grass and mowed. But it is constant work and worry. The following plants do the job better. There are almost no maintenance problems.

Eventually one plant will cover a large area, but on banks it is important to get the soil held quickly. We suggest bad steeps be planted 10 inches apart each way—gentler slopes 1 foot, except as noted on descriptions.

(25) (100) (1000)
PACHYSANDRA terminalis—Tolerant in poor soil and shade. Set 3 to each sq. ft. Zone V.
1 yr. field\$3.50 \$9.50 \$ 85.00

ROSE wichuriana (Memorial Rose)—Branches grow quickly, droop and root. Thickset effect. Best in sun. Zone IV. Space 2 ft. apart.
2-year field grown X18.50 60.00
1-year (6 to 12 in. S) 8.00 25.00

HEDERA baltica (Hardy English Ivy)—Fine ground cover for steep slopes in shade or sun. Does not climb readily. Zone V. Space 1½ ft. apart.
2-inch pots 7.50 26.00 240.00
3-inch pots20.00 75.00

LONICERA japonica (Honeysuckle)—Sun or shade. Any soil.
2-year light 9.50 80.00
2-year No. 1 grade 6.50 18.00 140.00

THYMUS SERPYLLUM (Creeping Thyme)—A mat in sun or light shade that blankets the ground. Evergreen. Can be walked on. Zone III. Set 12 inches apart. Well drained soil.
Sturdy plants12.00 40.00 350.00

PUERARIA thunbergiana (Kudzu)—Very fast, handsome, but coarse grower. Holds banks in poor soil, enriches soil nitrogen. Zone VI.
2-year (No. 1 Crowns) 4.50 14.00 80.00

HELIANthemum (Sun-rose)—Is best for steep, dry banks in sun.
2-year10.00 38.00

FERNS fine ground covers in the shade

5 of one kind \$2.50 (postpaid)
10 of one kind \$4.75 (postpaid)
100 for \$25.00 (express)

LEATHER WOODFERN (Dryopteris marginalis). Tolerant, deep shade. Evergreen leaves 30 inches.

CINNAMONFERN (Osmunda). 60 inches. Any moist soil.

CHRISTMASFERN. 12 in. Dry shade. Evergreen.

CLIFF-FERN (Polypody). 6 in. Evergreen, drain.

EBONY SPLEENWORT (Asplenium). 6 inch evergreen. Semi-shade.

HAYSCENTED FERN (Dunnstaedtia). 18 inches. Tolerant.

MAIDENHAIR (Adiantum). Rich, moist, but drained soil. Easily grown. Showy and popular.

LADYFERN (Athyrium). 15 in. Shade. Very attractive.

OSTRICH FERN (Pteretis nodulosa). 36 inch. Very tolerant. This makes a delicious, nutritious asparagus substitute.



Pachysandra



Ferns

It Pays to Plant Things Small

Nursery stock, unlike any other merchandise, increases in value as it gets older. More precisely, a planting worth \$1000 can be set out two years earlier for \$500, or four years earlier for \$250. Plants just about double in value every two years. Moreover, the labor of planting more than doubles every two years: Three men might take two hours to plant a 20-foot tree; the same tree when 6 feet high can be set out by one man in twenty minutes!

In most trees and shrubs there are three sizes: 1. Babies that have to be nursed. 2. Transplanted young plants that need only a year of ordinary growth. 3. Landscape sizes, already shaped and filled out. For most gardeners, the second size is the most fun and the most economical.

Never buy the wrong thing because a young plant of it looks nice—or is cheap—because plants grow up and when mature they may not look nice nor be suitable and must be thrown away. Whatever you spent is wasted. If you cannot afford large, of the right kind, then buy small.

Start A HOME NURSERY

Wise old gardeners, you will notice, always have a few rows of trees and shrubs growing for future plantings. They do not depend upon buying everything as they need it. Now that we are coming out of the age of jazz and impatience we should remember the quiet wisdom of older days. Do not wait until you need trees—large ones and in a hurry—but look over your grounds and plant now what you may need 3, 5 or even 10 years hence.

1. Save money and labor
2. Save disappointments
3. Save delays
4. Increase your enjoyment
5. Rare and interesting
6. Culture not difficult

Soil Preparation

The lath-house soil should be sandy loam with an original dressing of 3 inches of manure worked on to a spade depth. The nursery itself can be heavier soil, but requires manure as well. Avoid lime.

Heel-in Area. Even a tiny spot kept free for this purpose, enables one to temporarily plant a shipment of plants the day received. They can safely remain for weeks if need be before permanent planting. Water well.

Grades of Stock and Treatment

—See also page 8—

Older plants just grow, if soil and climate are normal. Young plants need care—chiefly shade, extra water, wind protection. These are the grades as handled and sold in nurseries:—

A—Seedlings or Rooted Cuttings

Must be shaded first two years. Planted 2 in. x 2 in., lath-house holds 432. After two years, must be transplanted into next grade.

B—Once Transplanted Grade

Grown as above, or bought. (Our 2 yr. and 3 yr. Azaleas, or the 2 inch bands next page). Space about 5 in. x 5 in. (80 in the lath-house pictured). Shaded first year, but the second year shade omitted except in drought. In 2 years, now twice transplanted (“XX”), usable as hedge plants, for bedding, etc.

C—Twice Transplanted Grade

Can be moved into open, spaced 9 in. x 9 in. (nursery pictured holds 104) and left two years. They are “shaped”; straggly branches lopped off with sharp knife. Cultivate, fertilize, water, no shade needed. After 2 years, they are XXX (three times transplanted), bushy and shapely.

D—Specimens

Every garden needs some larger, well formed plants. Such specimens are grown 2 or more years spaced 18 in. x 18 in. (nursery pictured holds 32.)

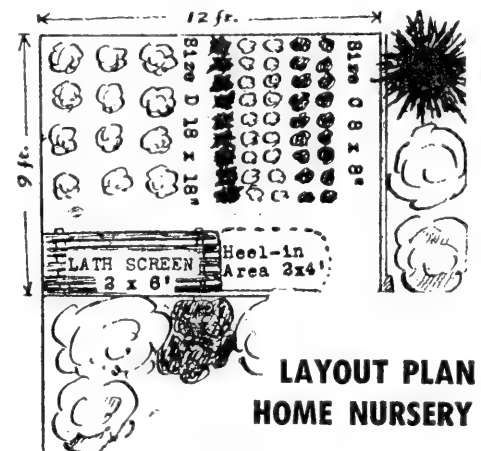
with

young

plants

that will in a few years, with little care, be \$25 specimens.

Do not wait until you need large trees in a hurry, but look ahead 5 or even 10 years hence.



LAYOUT PLAN
HOME NURSERY

The plan shows a corner of a lot using a 9 by 12 foot area for a nursery—no more space than used by a small specimen tree. The shrubbery masks the area. Exposure is planned as if north were at the top—but any exposure would do, locating the Lath Screen in shady spot.

Lath Screen sketched below is very important for young plants the first summer. Simply built of ordinary lath and a few nails. Screen is rested on the posts.



HYBRID RHODODENDRONS ^{Less Than} 55c

(Mixed Seedlings as listed below)

and other Rare Evergreen BANDED PLANTS for

Safe and Easy

Plants arrive actually growing in 2-inch wooden bands (clip off when you plant). They don't know they've been transplanted! We cannot ship until all frost is over (late May) but be safe and ORDER NOW.

Sold only in { 12 one kind \$6.50
Boxes of 12 } 12 (6 each, 2 kinds) \$7.



Photo: Hybrid Rhododendrons, our most popular item. Showing box and plant. Water well and protect from wind this winter.



Your HOME NURSERY

CULTURE: Read previous page carefully. The 2-inch bands treat like once transplanted. Shade is essential; also use plenty of peat moss in soil; also water twice a week thru summer droughts. Only with this care can you expect the amazing results many customers report.

KINDS OF EVERGREENS AVAILABLE IN BANDS:—

* Varieties starred also in 3-inch bands. Box of 6 \$6.50 (3 each 2 kinds \$7.00) postpaid.

AZALEA *Mary Hawkins—brilliant pink. Zone V.

Purple Splendor—purple, double. Zone V.

***Cameo**—Double pink. Zone V.

***Caroline Gable**—single red. Zone V.

***Corsage**—single orchid. Zone V.

***James Gable**—tall single red. Zone V.

***Susan**—Late Salmon. Zone V.

Amoena coccinea—Dwarf red. Zone V.

***Flame**—huge single red, dwarf growing.

***Hinocrimson**—a much improved. Zone V.

***Hinodigiri**. Dark red, May. Dwarf. Zone VI.

***Betty**—brilliant rosy-pink, tall. Zone IV.

Fedora—large, tall, salmon-rose. Zone IV.

Othello—large, tall, brick-red. Zone IV.

***Indica Alba**—large white, tall. Zone VI.

***Damask rose**—June, white-rose. Zone VI.

AZALEA, Three Good Deciduous Kinds.

Mollis hybrids—mixed yellow and red, single.

Vaseyi—clear pink. May. Zone V.

Poukanensis—Zone IV. Purple May.

ABELIA grandiflora—pink-white all summer.

BERBERIS JULIANA—6 foot bush. Zone V.

Verruculosa—dwarf, yellow bloom.

BUXUS suffruticosa—dwarf Boxwood.

CAMELLIA SASANQUA. (Hardy to Zone VI).

***Cleopatra**—semi-double rose, peony-type.

***Apple Blossom**—single pink, charming.

***Maidens Blush**—single blush, very popular.

CHAMAECYPARIS obtusa nana.

COTONEASTER horizontalis—

red berry, spreads.

Salicifolia—red berry, tall arching.

ERICA darleyensis—dainty pink bells, March.

ILEX CORNUTA Bufordi—Chinese Holly.

ILEX CREN convexa—boxleaf Holly. Zone IV.

Crenata rotundifolia—Japan Holly.

ILEX OPACA—female, berried American Holly.

Opaca—male, pistillate American Holly.

pernyi—dwarf holly, red berries.

JUNIPER pfitzer—6 ft. spreading, popular.

glauca Hetzi—similar more vigorous.

Andorra—purple in winter, prostrate.

MAHONIA aquifolia (Holly-grape)—blue fruit.

PIERIS japonica (Andromeda)—white, April.

PYRACANTHA Lalandi (Firethorn)—orange.

Yunnanense—red berry. Zone VI.

RHODODENDRON

HARDY HYBRID SEEDLINGS—mixed colors. June.

TAXUS Cuspidata (Spreading Yew)—broad, low.

Baccata repandens—Dwarf yew.

Capitata (Upright Yew)—tall pyramid.

nana ("Brevifolia")—dwarf yew.

Hicksi—fat, upright column to 6 feet.

Hatfield—Extra hardy small upright yew.

VIBURNUM

Burkwoodi—white, May.

Juddi—white, May.

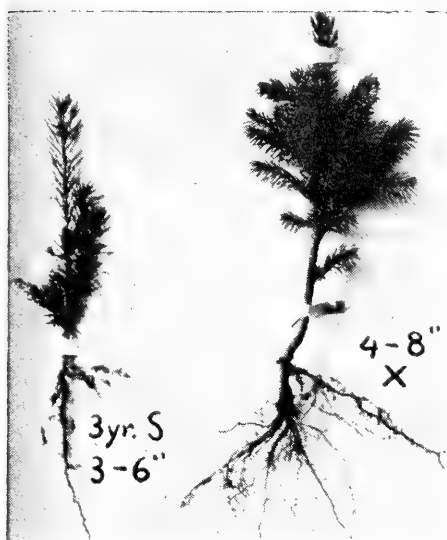
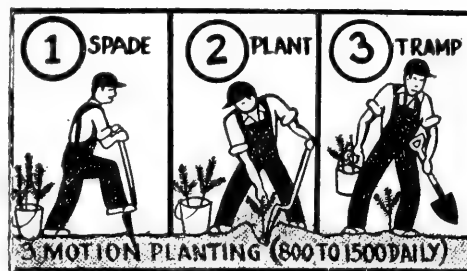
chenaulti—white, May. New.

rhytidophyllum—(Leatherleaf).

4 Grades of Evergreens

(S) Seedlings (or cuttings) not yet transplanted. Plant 3" apart in beds, for evergreen kinds, which need shade for years (when they are "X" grade below). Allow about 10% Express or Postage.

(X) Transplants. Good roots result from transplanting. Use these for mass planting. Express about 10% extra on arrival, parcel post the same. Culture page 36 item "X".



Seedling Transplant



Twice transplanted. The value is in the root.

ABIES (Fir) (25) (100) (1000)
balsamea (Balsam Fir). For wet land. Best for Christmas trees.
 4 to 6 in. S\$4.00 \$9.50 \$80.00
 4 to 6 in. X 6.00 19.00 170.00
 9 to 12 in. X12.50 45.00 300.00

Concolor (Silver Fir).
 2 to 4 in. X.... 7.00 20.00 150.00
 4 to 6 in. X10.00 28.00 230.00

Douglas Fir. (Pseudotsuga).
 4 to 6 in. X 6.00 20.00 160.00
 8 to 12 in. X .. 9.00 35.00
 8 to 12 in. XX 25.00 95.00 600.00

PINUS (Pine).
mughus (Mugho Pine).
 2 yr. 4 in. X .. 7.00 25.00 195.00
 6 to 9 in. XX 15.00 45.00

nigra (Austrian Pine).
 4 to 6 in. X 4.50 15.00 110.00
 9 to 12 in. X .. 8.50 30.00 270.00
 10 to 18 in. XX 25.00 75.00

ponderosa (Western Yellow).
 4 to 6 in. X 4.50 16.00 140.00
 6 to 9 in. X 7.00 25.00 200.00
 9 to 12 in. XX 12.00 45.00 300.00

resinosa (Norway Red Pine).
 4 to 6 in. X 18.00 125.00
 9 to 12 in. X .. 9.50 25.00 175.00

strobus (White Pine).
 6 to 8 in. X 7.50 21.00 165.00

sylvestris (Scotch Pine).
 3 to 6 in. S 6.50 50.00
 6 to 9 in. X 4.50 15.00 130.00
 12 to 18 in. X 10.00 35.00 200.00

LARIX (Larch) European Larch.
 (25) (100) (1000)
 8 to 12 in. X .. 9.00 25.00 150.00
 12 to 15 in. X 20.00 65.00

PICEA (Spruce).
 (25) (100) (1000)
glauca alba (White Spruce).
 6 to 8 in. S 12.00 100.00
 6 to 9 in. X 6.50 20.00 175.00
 12 to 15 in. XX 18.00 65.00 500.00

glauca densata (Black Hills).
 6 to 8 in. S 12.00 100.00
 6 to 9 in. X 7.00 22.00 195.00
 12 to 15 in. XX 28.00 95.00 750.00

excelsa (Norway Spruce).
 6 to 8 in. S 8.00 60.00
 4 to 6 in. X 4.50 14.50 110.00
 6 to 9 in. X 7.00 20.00 175.00
 12 to 15 in. X ..12.00 40.00 300.00

pungens (Colorado Spruce), color from blue to green.
 3 yr. S (4-6") 10.50 90.00
 4 to 6 in. X.... 8.00 25.00 190.00
 6 to 9 in. X12.00 40.00 259.00
 9 to 12 in. XX 25.00 75.00

THUJA (Arborvitae)
occidentalis (American Arborvitae or White Cedar).
 6 to 9 in. X 6.50 20.00 180.00
 12 to 18 in. X 9.50 34.00 280.00
 12 to 15 in. XX 18.00 65.00 500.00

globosa (Globe shaped).
 6 to 8 in. X18.00 60.00
 9 to 12 in. XX 28.00 100.00 900.00

pyramidalis (Pyramid AV).
 4 to 6 in. X 6.00 40.00
 12 to 15 in. XX 30.00 110.00 850.00

(BB) Earth Balled Landscape Grade. Planting safe and easy, but express runs 50% or so extra on arrival. Our prices are usually low enough to still be competitive. Listed on following pages. "Canned"—Same as BB, but less expensive. See page 40.

(XX) Twice transplanted. 5 to 7 years old, practically landscape specimens, except not balled. So express is little, about 10% extra on arrival. Roots in damp moss, safe planting.

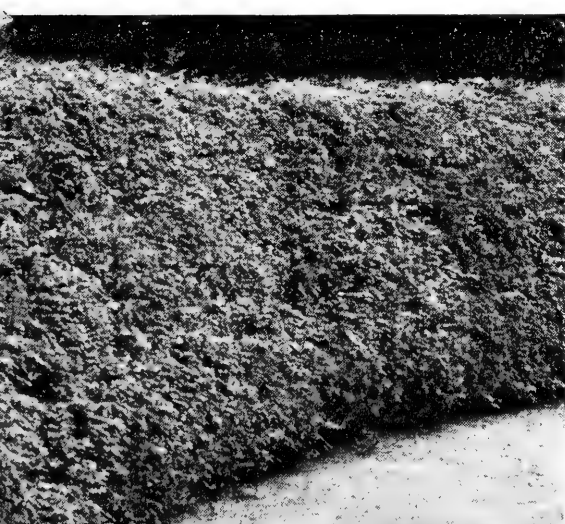
PLANTING—The first thing is to keep the package moist. Only when the planting bed is ready do you open it, and even then remove only one plant at a time from its wrapping to plant it. For culture see page 36, item "XX".

		(10)	(25)	(100)
ABIES (Douglas Fir)	9 to 12 inch	.....	\$25.00	\$95.00
	12 to 18 inch	.....	35.00	120.00
—Concolor Fir	9 to 12 inch	13.00	30.00	100.00
JUNIPER (Andorra)	12 to 15 inch	16.50	30.00	100.00
—Pfitzer Juniper	12 to 15 inch	20.00	40.00	145.00
—Sabina (Savin)	9 to 12 inch	16.00	25.00	80.00
—Hetz Juniper	9 to 12 inch	16.00	32.00	115.00
—Virginiana (Cedar)	12 to 18 inch	.....	20.00	75.00
—Scopulorum (Rky. Mtn.)	12 to 18 inch	.....	20.00	70.00
—Waukegan Juniper	9 to 12 inch	14.00	30.00	110.00
PICEA (Black Hills)	9 to 12 inch	12.00	22.00	75.00
	12 to 15 inch	.....	.....	95.00
—Excelsa (Norway)	12 to 15 inch	12.00	25.00	85.00
—glauca (White Spruce)	12 to 15 inch	.....	18.00	65.00
—pungens (Blue Spruce)	9 to 12 inch	.....	25.00	75.00
PINUS				
—Austrian Pine	12 to 15 inch	.....	30.00	95.00
—Mugho Dwarf Pine	6 to 9 inch	7.50	15.00	45.00
—thunbergi (Jap Black)	10 to 15 inch	22.00	45.00	175.00
—resinosa (Red)	18 to 24 inch	.....	20.00	75.00
—ponderosa (Bull)	9 to 12 inch	8.00	16.00	60.00
—White Pine (Strobus)	9 to 12 inch	.....	18.00	65.00
THUJA occidentalis				
(Arborvitae)	12 to 15 inch	19.00	18.00	65.00
—occident. Pyramidal	12 to 15 inch	18.00	35.00	110.00

Hemlock – **HEDGES** – Yews

Tsuga Canadensis (Northern Hemlock). Zone III. A fine, even, smooth dark green surface unlike any other hedge. Thrives in soils ranging from ordinary to damp, and from full sun to full shade, hence is easy to grow. Set plants 1½ ft. apart.

	(25)	(100)
9 to 12 in. XX	16.00	60.00
12 to 15 in. XX	22.00	80.00
15 to 18 in. XX	35.00	130.00



Hardy, disease-free, tolerant. Set plants 1½ feet apart.

TALL, 5 to 8 ft. high, 3 to 4 ft. wide. **Taxus capitata** (Upright Yew). (10) (25) (100)
 9-12 in. XX16.00 35.00 130.00
 12-18 in. XX .. 22.00 45.00 150.00

BROAD, 2 to 4 ft. high, 2 to 4 ft. wide. **Taxus cuspidata** (Spreading Yew).
 10-12 in. XX .. 15.00 35.00 120.00
 12-15 in. XX .. 19.00 45.00 160.00

LOW, 1 to 3 ft. high, 1 to 3 ft. wide. **Taxus nana brevifolia** (Dwarf Yew).
 8-10 in. XX .. 20.00 45.00 160.00

NARROW, 4 to 6 ft. high, 1½ ft. wide. **Taxus Hicksi** (Hatfield).
 9-12 in. XX .. 15.00 35.00 120.00
 12-15 in. XX .. 19.00 45.00 160.00

BUSHY, 6 ft. high, 2 ft. wide. **Vermeulen's Yew**.
 9-12 in. XX .. 15.00 35.00 120.00

...ady to do their work if the
 his reason **extra water** must
 Twice a week for a month.
 hich hardens after exposure
 ree minutes.

small evergreen, but larger
 rth, with no timing limit.

RUS deodara (Deodar Ce-
 . 100 ft. Zone VI. Graceful
 mid. Unusual foliage.

in. X10 \$8.00, 100 \$50.00
 2 ft. BB \$7.00 each, 10 \$50.00

atica (Mt. Atlas Cedar). 90
 Zone VI. Blue-green stately
 mid. Scarce.

2 in. X 2 for \$3.00, 10 \$12.50
 BB ...\$10.00 each, 10 \$75.00

uca. Silver blue form.
 BB ...\$10.00 each, 10 \$75.00

ni (Cedar of Lebanon). 90
 Zone V. Picturesque and
 ly. Rare.

BB ...\$10.00 each, 10 \$75.00

HALOTAXUS drupacae
 m-Yew). Rugged green,
 y tree to 25 ft. suggests
 ading Yew. Zone VI. Edible

in. X ..10 \$9.50 ppd., 100 \$75
 15 in. X ..2 ppd. \$4.50, 10 \$12

ITY YEARS LATER
 e place shows trees 25 to 30 feet
 h \$50.00 or more each.



(S) Seedlings (or cuttings) are planted apart in beds, for 1 or 2 years (when they are 10% Express or Postage

(X) Transplants. Good root system. These for mass planting, arrival, parcel post the same



Pinus

Taxus

Tsuga

Abies



Seedling

Transplant



Twice transplanted. The value is in the root.

"CANNED" EVERGREENS are finished XX stock that have been planted in a metal container a year, and are shipped in that container to you. Result is a safe and easy planting. The root ball comes out of the container (simply knock on a bench upside down, with hand beneath to catch plant). These ship nicely, with no or little trouble, and we make this **SPECIAL OFFER**:-

	(each)
ABIES concolor (Silver Fir) 9-12 inch	\$3.20
JUNIPER depressa (Andorra) 12-15 inch	3.40
— excelsa stricta (Greek) 12-15 inch	3.70
— Pfitzer Hetzi 12 -15 inch	3.70
— Pfitzer Juniper 12-15 inch	3.70
— Sabina (Savin) 12-15 inch	3.70
— virginiana (red-cedar) 12-15 inch	3.60
TAXUS cuspidata (spreading yew) 12-15 inch..	3.80
— Hatfield yew 12-15 inch	4.00
— Hicks upright growing yew 12-15 inch	3.80
THUJA Pyramidal arbor-vitae 12-15 inch ...	3.40
— globosa (dwarf globe arborvitae) 9-12	3.40
TSUGA canadensis (Hemlock) 18-24 inch	5.30

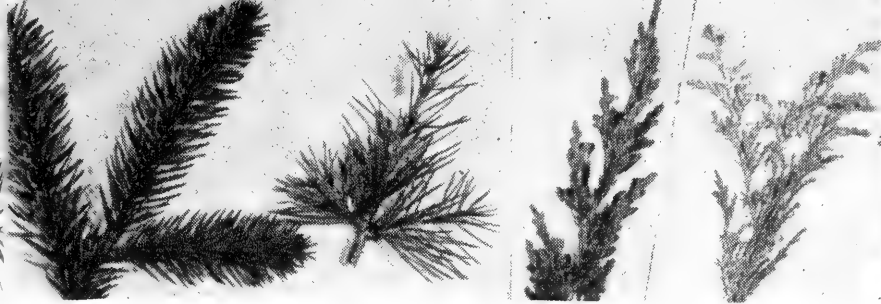
sold
ONLY in lots of 5. Pick any 5 of the plants listed — or in units of 5.

Shipped by express only. (You pay about \$4 for the 5 on arrival)



The offer applies only to plants on this page. Photo shows a sample basket of 5. Andorra Juniper has been taken out to show.

(BB) Earth Balled L so extra on ar on following pages.

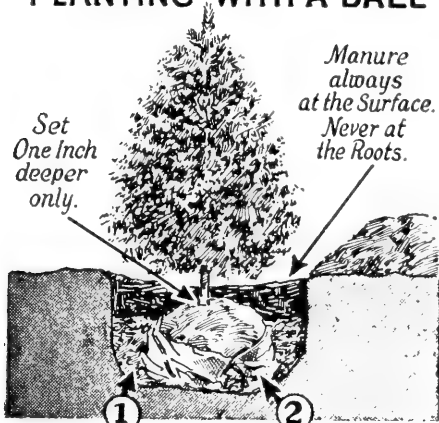


Picea Cedrus Juniper Chamaecyparis

Evergreens

SPACING EVERGREENS. Generally speaking, plants from 12 to 36 inches should be spaced 3 feet apart and rearranged at the end of 5 to 10 years.

PLANTING WITH A BALL



Set One Inch deeper only.

Manure always at the Surface. Never at the Roots.

- 1 Pack loose soil around Ball Tramp firmly.
- 2 Cut Burlap and push it down. Leave it to decay.
- 3 Then water and fill in remaining soil.

AN EVERGREEN has leaves all winter, ready to do their work if the day chances to be warm enough. For this reason **extra water** must be given all newly-planted evergreens. Twice a week for a month. Evergreen roots contain resinous sap which hardens after exposure to the air for no longer than two or three minutes.

This is ample time to plant and firm a small evergreen, but larger evergreens are shipped with a ball of earth, with no timing limit.

ABIES balsamea (Balsam Fir). 60 ft. Zone III. Dark, shapely pyramid. Needs cool moist soil.
 *4-6 in. S25 \$4.00, 100 \$9.50
 *4-6 in. X 25 for \$6.00, 100 \$19.00
 2-2½ ft. BB \$7.50 each, 10 \$60.00

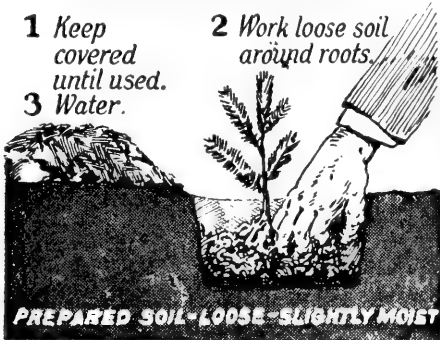
CEDRUS deodara (Deodar Cedar). 100 ft. Zone VI. Graceful pyramid. Unusual foliage.
 *4-6 in. X10 \$8.00, 100 \$50.00
 2-2½ ft. BB \$7.00 each, 10 \$50.00

concolor (White Fir). 50 ft. Zone IV. Dense pyramid silver green. Drainage. Tolerant in cities. Softest of dull silver—almost white.
 *4-6 in. X25 \$10.00, 100 \$28.00
 *9-12 in. XX 10 \$13.00, 100 \$100
 4 to 5 ft.\$22.00 each

Atlantica (Mt. Atlas Cedar). 90 ft. Zone VI. Blue-green stately pyramid. Scarce.
 *6-12 in. X 2 for \$3.00, 10 \$12.50
 2 ft. BB\$10.00 each, 10 \$75.00
 —**glauca**. Silver blue form.
 2 ft. BB\$10.00 each, 10 \$75.00

EVERGREENS BARE ROOT

- 1 Keep covered until used.
- 2 Work loose soil around roots.
- 3 Water.



PREPARED SOIL—LOOSE—SLIGHTLY MOIST

NOTE: Water is needed more by evergreens than by any other plants. Keep moist before and after planting.

douglasi (*pseudotsuga taxifolia*) (Douglas Fir). 70 ft. Zone IV. Evergreen tree. Shapely, handsome pyramid. Prefers rich soil, but tolerant.
 *4-6 in. X25 \$6.00, 100 \$20.00
 *8-12 in. XX 25 \$25.00, 100 \$95.00
 2-2½ ft. BB \$7.50 each, 10 \$70.00

Libani (Cedar of Lebanon). 90 ft. Zone V. Picturesque and stately. Rare.
 2 ft. BB\$10.00 each, 10 \$75.00

Fraseri (She-Balsam). 80 ft. Zone IV. Better in Zone V South.
 *6-12 in. S25 \$5.50, 100 \$18.00
 12 in. BB (collected)10 \$12.50

CEPHALOTAXUS drupacae (Plum-Yew). Rugged green, bushy tree to 25 ft. suggests spreading Yew. Zone VI. Edible fruit.
 *6-8 in. X ..10 \$9.50 ppd., 100 \$75
 *12-15 in. X ..2 ppd. \$4.50, 10 \$12

THE YEAR AFTER PLANTING

These little White Pines were about 1½ feet high, twice transplanted, and cost about 30c each.



TWENTY YEARS LATER

Photo near the same place shows trees 25 to 30 feet high. Worth \$50.00 or more each.



Chamaecyparis

"Retinospora" (Japan Cypress).
Evergreen trees of easy culture.

filifera (Thread Cypress). 9 ft. Zone III. Dark green, weeping pyramid.

10-12 in. X ..10 \$9.50, 100 \$65.00
2-2½ ft. BB ..8.50 each, 10 \$75.00

—**aurea**. Dwarf, yellow needles. Otherwise the same.

*4-6 in. X ..5 for \$4.50, 25 \$15.00

obtusa gracilis (Hinocki Cypress). 10 ft. Zone III. Acid, humus, moist. Ornamental, slow. Slender. Dark green column.

15-18 in. BB \$7.50 each, 10 \$55.00

—**minima glauca**. Dwarf, blue foliage. Interesting, handsome. 4-inch pot \$3.25, 10 for \$27.50

—**nana** (Dwarf Hinocki). A 5 ft. dwarf that looks ancient when it is born. Excellent in rock gardens.

*4-6 in. X10 \$7.00, 100 \$50.00
*10 inch X ..2 for \$3.00 10 \$13.50
18 inch BB\$10.50 each

pisifera (Sawara Cypress). 35 ft. Any good soil. Loose growth. Makes a quick pyramid tree and stands harsh exposures. Zone III.

*4-6 in. X10 \$7.00, 100 \$45.00
2 ft. BB\$6.50 each, 10 \$60.00

plumosa (Plumed Cypress). 35 ft. Feathery pyramid. Good hedge plant. A good accent tree. Often used in foundation plantings, but not suitable really. Zone III.

*6-8 in. X 10 \$8.50 ppd., 100 \$50
*10-12 in. X 5 \$6.75 ppd., 100 \$90
18-24 in. BB \$5.50 each, 10 \$50.00

—**aurea** (Gold-Plume). 25 ft. Good yellow color at tips. An interesting tree.

*8-10 in. X10 \$9.50, 100 \$70.00
*12 in XX10 \$12.50, 100 \$95.00
1½ ft. BB\$6.00 each, 10 \$45.00

—**lutescens** (golden globe). A dwarf, dense, yellow form.

*8-10 in. X 2 for \$2.75, 10 \$10.00

—**nana** (Dwarf Plumed). Green needles. About 12 ft.

*10-12 in. X ..2 for \$3.50, 10 \$9.50

squarrosa veitchi (Silver Moss Cypress). Unusual. 20 ft. Dense, woolly silver foliage unlike any other evergreen. Apt to winter damage north of Zone VI.

*10-12 in. X 10 ppd. \$8.50, 100 \$60
18-24 in. BB \$5.50 each, 10 \$40.00

—**pygmaea**. Dwarf form, about 6 ft. Silver foliage.

*2 in. pot10 \$8.50, 100 \$55.00
4 in. pot\$3.00 each, 10 \$25.00

CRYPTOMERIA japonica. 80 ft. Zone V. Pyramid with unusual evergreen foliage.

*3 in. pot5 \$6.00, 100 \$75.00
2-3 ft. BB\$10.00 5 for \$37.50

—**japonica nana**. Dwarf, dense, spreading. Unique.

2½ in. pot2 for \$2.75, 10 \$9.50

PHOTO:1. *Chamaecyparis obtusa*. 2. *C. pisifera*. 3. *C. plumosa*. 4. *C. squarrosa Veitchii*. 5. *C. filifera*. 6. *Sciadopitys*. 8. Hedge of *Chamaecyparis plumosa*. 9. *Cedrus atlantica*. 12. *Chamaecyparis obtusa nana*.



Juniperus

A race of evergreens that succeeds even in well-drained soil in full sun.

chinensis pfitzeriana (Pfitzer Juniper). 6 ft. Zone IV. Gorgeous bush, a cloud of silver in spring, then bright green. Spreads picturesquely. Stand soot, smoke, and drought in city plantings.
 *4-6 in. X10 \$6.50, 100 \$45.00
 *2¼ in. pot ..10 \$8.50, 100 \$65.00
 *12-15 in. XX 10 \$20.00, 100 \$145
 18-24 in. BB \$6.50 each, 10 \$50.00
 15-18 in. BB \$5.00 each, 10 \$40.00

Pfitzer aurea (Golden Pfitzer) form with bright yellow tips.
 *12 in. X2 for \$2.75, 10 \$12.00
 18 in. BB\$8.00 each 10 \$65.00

pfitzer hetzi. Vigorous variety with blue-silver color. Fine. New. Better growing habit than Pfitzer.
 *8-10 in. X10 \$8.50, 100 \$65.00
 *9-12 in. XX 10 \$16.00, 100 \$115
 1½ ft. BB\$7.50 each, 10 \$60.00

communis hibernica (Irish Juniper). 15 ft. Zone III. Green column. Popular. This makes a fair substitute for the thin spires of true Cypress.
 *10-12 in. X ..10 \$9.00, 100 \$75.00
 2 ft. BB\$5.00 each, 10 \$40.00

excelsa stricta (Greek Juniper). 6 ft. Zone V. Blue, stiff, fat pyramids. A fine dwarf, very neat, but rather formal.
 *4-6 in. X10 \$6.00, 100 \$45.00
 *10-12 in. XX 10 \$16.00, 100 \$125
 18-24 in. BB \$5.50 each, 10 \$45.00

horizontalis (Creeping Savin). 2 ft. Zone II. Flat spreading, covers large areas.
 *4-6 in. X10 \$6.00, 100 \$45.00
 15-18 in. BB\$6.00, 10 \$50.00

—**Bar Harbor**. Famous but scarce. Very dense and neat.
 *2¼ in. pots 10 \$8.50, 100 \$50.00
 12-15 in. BB\$6.50, 10 \$60.00

—**plumosa** (Andorra Juniper). A dense, low mat, with soft crested plumes that turn purple in winter.
 *6 in. X10 \$7.00, 100 \$55.00
 *12-15 in. XX 10 \$16.50, 100 \$100
 18-24 in. BB \$6.50 each, 10 \$45.00

—**Douglasi** (Waukegan Juniper). Dense low mat of steel blue foliage.
 *9-12 in. XX 10 \$14.00, 100 \$110
 12-15 in. BB \$6.75 each, 10 \$55.00

sargentii (Sargent). 3 ft. Zone IV. Flat, spreading. Color grass green, a neat plant.
 *1 yr. pot.....10 \$9.50, 100 \$60.00
 15-18 in. BB \$9.00 each, 10 \$85.00

Sabina. 5 ft. Zone IV. Good vase-shaped bush. Grows in any soil. Very useful evergreen.
 *6-8 in. X10 \$7.50, 100 \$60.00
 *9-12 in. XX 10 \$16.00 100 \$80.00
 15-18 in. BB \$5.50 each, 10 \$40.00

Squamata Meyeri (Meyer Juniper). 5 ft. Zone IV. Upright in a natural way, not stiff. New growth purple, old growth green.
 18-24 in. BB \$6.50 each, 10 \$60.00

Virginiana (Native Red Cedar). 30 ft. Zone II. Prefers a loose soil. Usually a dark green pyramid. This is best used in masses. Easily grown. Should be sheared.
 *6-12 in. S10 \$3.50, 100 \$25.00
 *12-18 in. XX 25 \$20.00, 100 \$75
 2-2½ ft. BB \$6.50 each, 5 \$30.00

—**Glauca** (Silver Cedar). 30 ft. Silver-gray foliage.
 3 ft. BB ..\$11.00 each, 10 \$100.00

Photo: Top row: Junipers *Squamata*, *Sargentii*, *communis depressa*, *virginiana*, *virginiana glauca*;

Bottom row: *Sabina*, *Andora*, *excelsa stricta*, *communis hibernica*, *procumbens*, *pfitzeriana*.

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Picea pungens



Pinus resinosa (Red Pine)



Picea Alba (White Spruce)

Picea (the Spruces)

Generally these evergreens are easily grown in normal garden soil.

abies — “*excelsa*” (Norway Spruce). 80 ft. Zone II. A dark green, drooping pyramid. Shallow roots enable planting on thin soils. Enormously popular for quick growth.

*6-9 in. X25 \$7.00, 100 \$20.00
*12 in. XX ..25 \$25.00, 100 \$85.00
2-2½ ft. BB \$5.50 each, 10 \$48.00

—**nidiformis** (Birds nest Spruce). 5 ft. Useful, spreading dwarf.

6 to 8 inchBB \$5.50, 5 \$25.00

glauca (*alba*) (White Spruce). 80 ft. Zone II. Quick-growing and shapely. In the northeast generally more satisfactory than Norway for forest planting.

*6-9 in. X ...25 \$6.50, 100 \$20.00
12-15 in. XX 25 \$18.00 100 \$65.00
1½-2 ft. BB \$5.50 each, 10 \$47.50

—**g. densata** (Black Hills). 20 ft. Zone III. Better suited to dry climates than White Spruce. A majestic bushy pyramid.

*6-9 in. X25 \$7.00, 100 \$22.00
*12 in. XX ..25 \$28.00, 100 \$95.00
2 ft. BB\$6.75 each, 10 \$60.00

—**g. conica** (Dwarf Alberta). Miniature in height and leaf. 6 ft. Zone III. Tiny and slow. Probably the best true dwarf conifer.

*3 year pot 5 for \$8.00, 25 \$25.00
12-15 in. BB ..\$7.00 each, 5 \$32.50

omorika (Serbian) Zone IV. 100 ft. Compact and slow growth.

*12-15 in. X 2 for \$3.00, 25 \$23.00

pungens (Colorado Spruce). 80 ft. Zone II. Best spruce for dry climates. Very tolerant. Varies from green to silver as offered here (mostly green).

*4-6 in. X25 \$8.00, 100 \$25.00
*9-12 in. XX 25 \$25.00, 100 \$75.00
3 ft. BB ...\$12.00 each, 10 \$85.00

Pines vary in size and shape but are alike in one thing—all thrive in windy exposed locations.

montana mugho (Mugho). Zone II. 3 ft. Broad, low bushy.

*2-5 in. X25 \$7.00, 100 \$25.00
*6-9 in. XX 25 \$15.00, 100 \$45.00
15-18 in. BB \$7.50 each, 10 \$55.00

nigra (Austrian Pine). 70 ft. Zone IV. Compact for a large tree. Neat. Likes lime. Seashore but not on the water.

*4-6 in. X25 \$4.50, 100 \$15.00
*12-15 in XX 25 \$30.00, 100 \$95
2-3 ft. BB\$7.50 each, 10 \$60.00

resinosa (Red or Norway Pine). 80 ft. Zone II. A fine native with long dark needles and spreading habit. Very easily grown. Few insect pests. Most popular.

*9-12 in. X25 \$9.50, 100 \$25.00
*18 in. XX ..25 \$20.00, 100 \$75.00
3-4 ft. BB\$9.00 each, 10 \$75.00

—**p. glauca**. Selected blues. Not as good color as grafted, but good. Color does not show in smaller plants.

18 inch BB ..\$7.50 each, 10 \$70.00

—**p. kosteri** (Koster Blue). Grafted Blue Spruce. Bluest of all known spruces. Only small plants this year.

1 yr. graft 5 for \$15.00, 25 \$55.00

Pinus (the Pines)

strobis (White Pine). 90 ft. Zone III. The noblest native evergreen. Prefers rich soil. Light green needles, soft and dense.

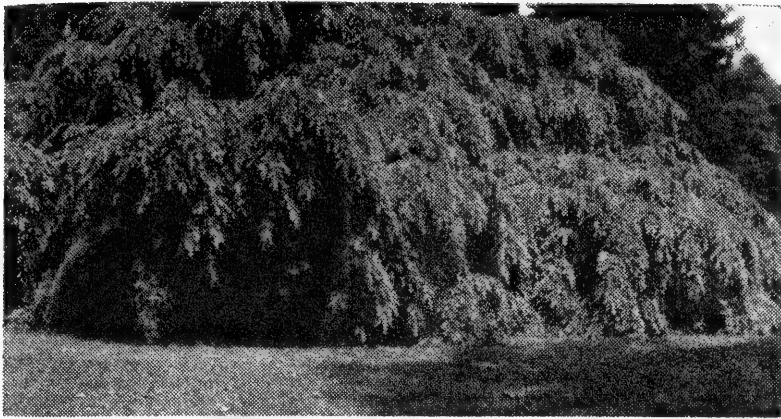
*6-8 in. X25 \$7.50, 100 \$21.00
*9-12 in. XX 25 \$18.00, 100 \$65.00
12-18 in. BB (bushy, collected)
10 \$12.00, 100 \$98.50
2-3 ft. BB\$5.50 each, 10 \$40.00

sylvestris (Scots Pine). 90 ft. Zone II. Large, stately tree. Useful for sandy, barren soils, but grows tall in gardens. Prefers acid. Popular in small sizes for forest plantings.

*6-9 in. X25 \$4.50, 100 \$15.00
*12-18 in. X 25 \$10.00, 100 \$35.00
2-3 ft. BB\$6.00 each, 10 \$55.00

thunbergi. 60 ft. Zone IV. Picturesque, branching, as seen in Japanese prints. Stands salt spray.

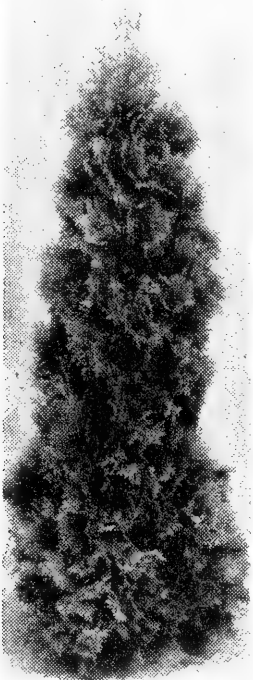
10-15 in. XX 10 \$22.00, 100 \$175
18-24 in BB \$6.00 each, 10 \$50.00



Sargent's Weeping Hemlock



Specimen Hemlock



Pyramid Arborvitae



American Arborvitae

THUJA. American arborvitae prefers the extreme north. It grows in any good soil, even with poor drainage.

Occidentalis (American Arborvitae). 30 ft. Zone II. Pyramidal tree with dense, frond-like, evergreen leaves, popular.

*6-9 in. X ...25 \$8.00, 100 \$25.00
 *12-18 in. XX 10 \$9.00, 100 \$65.00
 2-3 ft. BB ...\$6.75 each, 10 \$47.50

—**globosa** (Globe AV). 5 ft. Zone II. Good green dwarf. Does not grow out of bounds.

*4-6 in. X ...10 \$5.50, 100 \$45.00
 *9-12 in. XX 25 \$28.00, 100 \$100
 15-18 in. BB \$5.00 each, 10 \$45.00

—**pyramidalis** (Pyramidal). 25 ft. Zone II. This is perhaps the best tall form of American Arborvitae. Formal, narrow hedges.

*6-8 in. X ...10 \$8.00, 100 \$50.00
 *12 in. XX 10 \$18.00, 100 \$110.00
 2-3 ft. BB ...\$6.00 each, 10 \$47.50

Tsuga—the Hemlock

A noble tree. One of the most useful of all evergreens. Dry or wet soils, sun or shade.

Canadensis (Northern Hemlock). 60 ft. Stands shade. The most beautiful native evergreen. Zone IV.

*8-12 in. S25 \$4.50, 100 \$12.50
 *4-7 in. X....25 \$7.50, 100 \$25.00
 *12 in. XX ..25 \$22.00, 100 \$80.00
 *15 in. XX 25 \$35.00, 100 \$130.00
 1½ ft. BB ..\$6.25 each, 10 \$55.00
 3-4 ft. BB\$12.00, 10 for \$95.00

—**Sargentii** (Weeping Dwarf). Very useful, low and wide.

*12 in. X (2 yr.) \$4.00, 10 \$35.00

caroliniana (Carolina Hemlock). 50 ft. Zone IV. Damp, acid preferred. Dense. Striking shadows. Drooping.

*12-15 in. S ..25 \$5.00, 100 \$16.00
 4-5 ft. BB\$20.00 each

Special Hemlock Offer

Hemlocks naturally make compact root systems if grown in soft humus. We have collecting rights on an area in North Carolina where they grow in this manner and can dig nice shapely young plants with a ball of earth (B&B) that will give satisfaction and grow into fine specimens. Express runs about 15 cents a plant, paid on arrival. Two kinds.

TSUGA canadensis (Northern)

TSUGA carolina (Carolina)
 (10) (25) (100)
 12 in. BB \$12.00 \$25.00 \$98.50

* = young, unformed. X = transplanted. B&B = ball of earth. Shapely. Plants not marked: well shaped.

Taxus -- The Yews



UPRIGHT YEW

PHOTOS:

Right: 2 year
and 4 year
Left: 7 year
Below: A 20-
year speci-
men.



The all purpose evergreen! Hardy, immune from most pests, withstands shade or full sun. Dark green at all seasons.

4 VERTICAL MEDIAS

- Flushing. 15 foot compact column. Dark needles.
 - Robusta. 20 ft. Compact.
 - Stricta. 6 ft., narrow.
 - Stricta veridis. 6 ft. Narrow, bright green.
- 9-12 in. XX any one kind:
5 for \$12.00.
10-15 in. BBany 5:
5 for \$25.00.

(Each) (10) (100)

baccata *adpressa* (English Dwarf Yew). 5 ft. Zone VI. upright dwarf.

*8-10 in. X	.....	\$9.00	\$75.00
12-15 in.	.....	\$2.00	15.00 120.00

—*fastigiata* (Irish). 20 ft. Zone VI. A full column with great character and ruggedness.

*4-6 in. X	.....	7.00	50.00
15-18 in. BB	....	7.00	65.00 600.00
18 in. BB	.....	8.50	80.00 750.00

—*repandens* (Creeping). 3 ft. Zone V. Very slow and hugging the ground. Dense nature. Rock-garden.

*6-8 in. X	....	8.50	65.00
12 in. BB	.....	9.50	80.00 750.00

Hunnewelliana (Hybrid American Yew). *Canadensis* crossed by *cuspidata*. 6 ft. Zone II. A pyramid of dark green, neat and hardy. Colors in winter.

*4-6 in. X	....10	\$6.50, 100	\$45.00
15 in. BB	....	\$8.50 each,	5 \$40.00

COLLECTION DWARF YEW

All 8 to 10 inch transplanted, heavy little trees. Roots packed in damp moss. Four different named kinds our selection, but all lowgrowing (Such as nana, Hilli, Hicks, Vermeulen, etc.)

2 each (8 plants)	..\$ 9.75 ppd.
5 each (20 plants)	\$18.00 ppd.

TAXUS CUSPIDATA (Japanese Yew)

	(Each)	(10)	(100)
cuspidata capitata (Upright Yew) The natural form. Trees to 40 ft. The best type hedge Yew for all general purposes.			
*4-6 in.			
seedling X	\$6.50		\$45.00
*6-8 in.			
cutting X	8.00		55.00
*9-12 in. XX	16.00		130.00
*10-15 in. XX.....	22.00		150.00
2 ft. BB	\$13.50	120.00	.....
15 in. BB	8.00	70.00	.....

cuspidata (Spreading). Commonly offered as "cuspidata." 6 ft. Zone III. A spreading open bush.			
*4-6 in. X	6.00		40.00
*8-10 in. X	9.50		80.00
*10-12 in. XX	15.00		120.00
*12-15 in. XX	19.00		160.00
12 in. BB	6.50	60.00	.....
18 in. BB	11.50	105.00	.....

columnaris (Adams Columnar). 12 ft. Narrow and dense.			
*8-10 in. X	9.50		75.00
10-12 in. X (2 for \$2.50)			95.00

Jeffreyi (Jeffrey's Pyramidal Yew). A fine plant. Very narrow and upright in growth. One of the best of the column types.			
*4-6 in. X	6.00		45.00
*8-10 in. X	9.00		65.00
3 ft. BB	13.50	125.00	.....

	(Each)	(10)	(100)
nana ("Brevifolia") (Dwarf) 4 ft. Zone III. Slow growing, spreading, dense dark foliage. Picturesque. Substitute for Dwarf Boxwood.			
*4-6 in. X	6.00		45.00
*2 1/4 in. pot	8.50		55.00
*8-10 in. XX ..	20.00		160.00
12 in. BB	6.50	60.00	.....

vermeulen (Upright Brevifolia). 12 ft. Zone III. New. Compact and dense. Broad base and narrow top. Beautiful pyramid with more red berries than most. Short needles.			
(10) (100)			
*4-6 in. X	\$6.00		\$45.00
*8-10 in. X	9.00		65.00
*9-12 in. XX ..	15.00		120.00
1 1/2 ft. BB	8.50	75.00	.....

TAXUS MEDIA (Hybrid Yew)

	(Each)	(10)	(100)
media Hatfieldi (Hatfield's Yew). 12 ft. Zone IV. A compact cone in outline. The branches are upright. Full of character.			
*4-6 in. X	\$5.00		\$40.00
*8-10 in. X	9.00		70.00
15 in. BB	8.00	65.00	.....

m. Andersoni. A wide vase-shaped form. Zone V.			
*4-6 in. X	\$6.00		\$45.00
*8-10 in. X	9.50		80.00
12-15 in. BB	7.00	65.00	.....

m. Browni. A dense and compact form. Zone V. Easily pruned.			
*4-6 in. X	6.00		45.00
*9-12 in. XX ..	16.00		135.00
12 in. BB	6.50	55.00	.....

	(Each)	(10)	(100)
m. Hicksi (Hicks). 7ft. Zone V. Strong, fat upright shrub. Fine hedge. Good berries.			
*4-6 in. X	6.00		45.00
*8-10 in. X	8.50		70.00
*9-12 in. XX ..	15.00		120.00
*15 in. BB	7.50	65.00	.....

m. Kelseyi (Berrybush). 8 ft. Zone IV. Our introduction 1936 and attracting favorable comment everywhere. Recommended for its wealth of red berries in autumn. Bears young and grows slowly. A dense, full bush. Needles like the Dwarf Yew.			
*6-9 in. X	\$9.50		\$85.00
*8-10 in. X	13.50		110.00
*9-12 in. XX	16.00		135.00



Photo shows (left to right):
Rear Row: Capitata, Sentinel, Pillar, Robusta, Stricta.
Front Row: Kelsey, Nana, Vermeulen, Cuspidata.

3 Grades of Trees

(S) **SEEDLINGS** grow rapidly. Soak well after planting, and prune back. To keep a single stem: prune out all side twigs, and later cut away all but one single stem.

	(25)	(100)	(1000)		(25)	(100)	(1000)		(25)	(100)	(1000)
ACER (Maple)				JUGLANS (Walnut)				QUERCUS (Oak)			
rubrum (Red Maple)				nigra (Black Walnut)				alba (White Oak)			
*18 to 24 in. ..	5.00	15.00	95.00	*12 to 18 in. S	4.50	14.00	90.00	*12 to 18 in. S	6.50	20.00	160.00
saccharum (Sugar Maple)				LIQUIDAMBAR (Sweet Gum)				Palustris (Pin Oak)			
*12 to 18 in.	12.50	85.00		*12 to 18 in. S	5.00	15.00	95.00	*12 to 18 in. S	6.50	20.00	160.00
2 to 3 ft.	13.00	40.00	300.00	LIRIODENDRON (Tulip Tree)				rubra (Red Oak, Northern)			
BETULA (Birch)				tulifera				*12 to 18 in. S	6.50	20.00	160.00
populifolia (Gray Birch)				*12 to 18 in.	3.50	10.00	80.00	coccinea (Scarlet Oak)			
18 to 24 in.	6.00	18.00	120.00	MORUS (Mulberry)				*12 to 18 in.	6.50	20.00	160.00
papyrifera (Paper Birch)				alba (Russian Mulberry)				SORBUS (Mountain Ash)			
*12 to 18 in.	16.00	120.00		*12 to 18 in.	6.00	40.00		aucuparia (European Mt. Ash)			
*2 to 3 ft.	8.00	25.00	180.00	*2 to 3 ft.	3.00	9.00	75.00	*12 to 18 in.	8.00	25.00	185.00
alba (White Birch)				PLATANUS (Sycamore)				TILIA (American Linden)			
*12 to 18 in.	6.00	18.00	135.00	occidentalis				*12 to 18 in. S	10.00	30.00	220.00
CERCIS (Red Bud)				*12 to 18 in.	3.00	9.00	50.00	cordata (Little Leaf)			
*12 to 18 in.	9.00	50.00		POPULUS (Poplar)				*12 to 15 in.	12.00	40.00	280.00
CORNUS (Flowering Dogwood)				nigra italica (Lombardy Pop.)				ULMUS (Elm)			
florida (White Flowering Dogwood)				*18 to 24 in.	3.50	10.00	60.00	americana (American Elm)			
*12 to 18 in. S	4.00	12.00	95.00	*3 to 4 ft.	6.00	18.00	120.00	*2 to 3 ft.	3.00	9.00	70.00
								pumila (Chinese or Siberian Elm)			
								*2 to 3 ft.	4.00	10.00	80.00

(X) **TRANSPLANTS** give quick results at great saving over full specimen sizes. They are young and transplant more easily and grow more vigorously than older stock. Yet you save 2 to 4 years over small seedlings above.

	(10)	(100)		(10)	(100)		(10)	(100)
ACER (Maple)			CORNUS florida (dogwood)			QUERCUS (Oak)		
Rubrum (Red Maple)			4 to 5 ft.	\$35.00	\$280.00	Coccinea (Scarlet Oak)		
4 to 6 ft.	\$15.00	\$125.00	FRAXINUS (American Ash)			4 to 6 ft.	\$25.00	\$180.00
6 to 8 ft.	30.00	195.00	4 to 5 ft.	13.50	120.00	Palustris (Pin Oak)		
saccharum (Sugar)			JUGLANS nigra (Walnut)			4 to 5 ft.	30.00	250.00
4 to 6 ft.	15.00	135.00	4 to 5 ft.	20.00	175.00	Borealis (rubra) Red Oak		
6 to 8 ft.	30.00	195.00	LIQUIDAMBAR (Sweet Gum)			4 to 5 ft.	25.00	180.00
platanoides (Norway)			4 to 5 ft.	18.00	150.00	SALIX (Willow)		
4 to 5 ft.	12.50	100.00	LIRIODENDRON (Tulip)			Babylonica (Weeping)		
BETULA (Birch)			4 to 5 ft.	18.00	135.00	4 to 5 ft.	12.50	110.00
alba (European White)			OXYDENDRUM (Sour-wood)			Wisconsin (Hardy Weeping)		
4 to 5 ft.	24.00	200.00	4 to 5 ft.	17.50	125.00	4 to 5 ft.	12.50	110.00
papyrifera (paper)			POPLAR, Lombardy			Golden Weeping (Niobe)		
4 to 5 ft.	18.00	150.00	5 to 6 ft.	8.50	65.00	4 to 5 ft.	12.50	110.00
populifolia (Gray)			Bolleana (neater, healthier)			SORBUS (Mountain Ash)		
4 to 5 ft.	18.00	150.00	4 to 5 ft.	17.00	150.00	4 to 5 ft.	20.00	190.00
CERCIS canadensis (Red Bud)			PLATANUS occidentalis			TILIA (American Linden)		
4 to 5 ft.	18.00	120.00	(American Sycamore)			4 to 5 ft.	18.50	145.00
CLADRASTIS (Yellow-Wood)			4 to 5 ft.	12.50	95.00	ULMUS (American Elm)		
4 to 6 ft.	40.00	350.00	6 to 8 ft.	22.50	175.00	5 to 6 ft.	18.00	150.00
			8 to 10 ft.	30.00	250.00	pumila (Siberian)		
						4 to 5 ft.	15.00	110.00

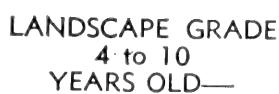
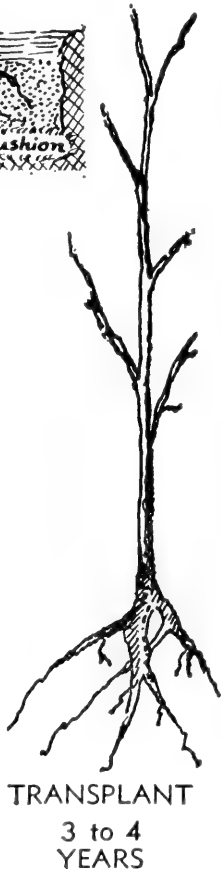
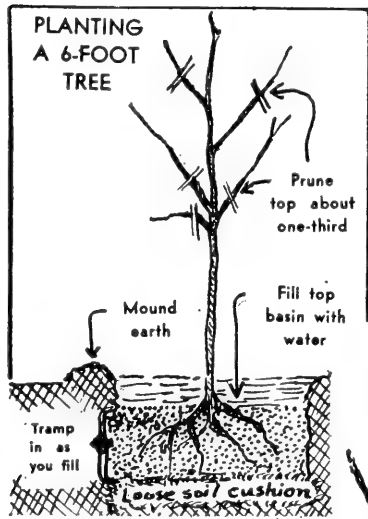
LANDSCAPE GRADE has no "*" before it in the listing on next pages. Prune side branches only. Express about 10% additional.



DECIDUOUS TREES

On the next 8 pages is an alphabetical list of deciduous trees. Many sorts not listed can be quoted on request. Small, bushy trees are included in this list, though some of them come close to being shrubs (there is no clear dividing line). We try to simplify, e.g., all Maples, even dwarf forms, are here.

TREES GROW QUICKLY—Since a young tree requires little care, and is much less expensive and trouble to plant than a large one, it pays to plan ahead. Among “slow” trees these reached 30 feet in 15 years: Red Oak, Pin Oak, most Maples, Liriodendron, several Birches, Black Locust and American Linden.



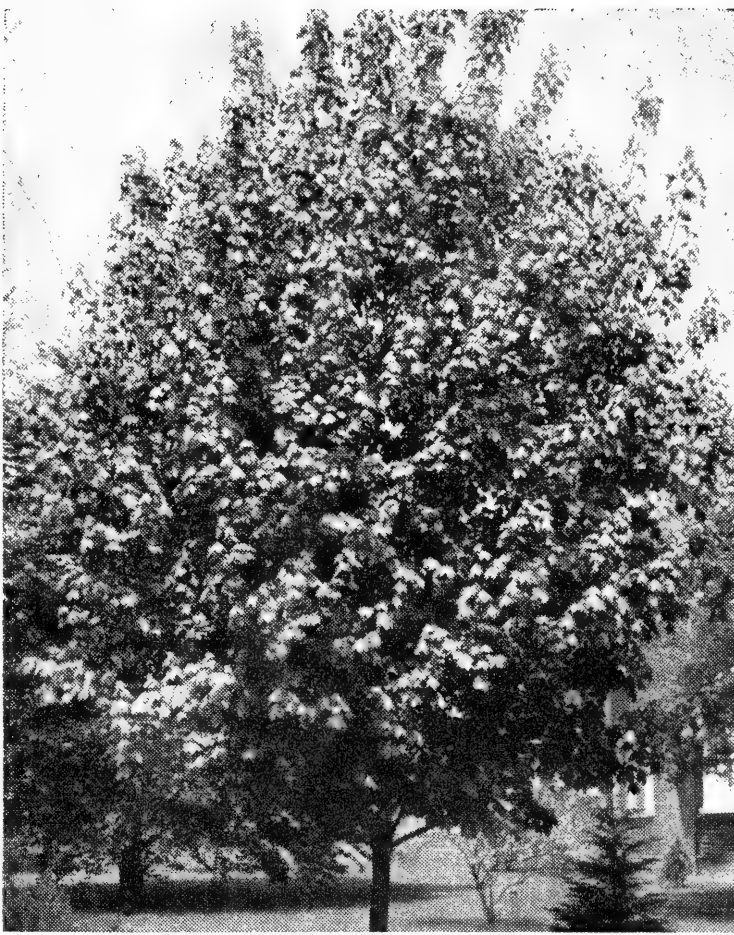
FLOWERING TREES

Hardy	FEET		Healthy	x = flower; o = fruit	Early	May	June	Summer	Autumn
	Wide	High							
III	20	40	..	Aesculus rubicunda	..	x	..	..	..
IV	30	80	..	Catalpa speciosa	..	..	x	..	..
IV	12	35	x	Cercis (Red Bud)	x	..	..	..	..
IV	15	25	x	Cornus florida	..	x	..	..	o
V	12	20	x	Cornus kousa	..	..	x	..	..
IV	12	20	x	Cornus mas	x	..	..	o	..
IV	15	20	x	Crataegus (Hawthorn)	..	x	..	..	o
V	12	30	x	Frankunia (gordonia)	..	..	..	x	x
IV	15	25	..	Halesia tetraptera	..	x	..	..	..
V	8	20	x	Hamamelis mollis	x	..	..	..	..
V	15	25	..	Koelreuteria	..	..	..	x	..
V	20	40	x	Laburnum vossii	..	..	x	..	..
IV	40	100	x	Liriodendron tulipifera	..	..	x	..	..
V	12	25	x	Magnolia conspicua	x	..	..	..	..
V	10	20	x	Magnolia soulangeana	x	..	..	..	..
V	12	25	..	Magnolia lennei	..	x	..	..	..
V	10	20	x	Magnolia nigra	..	x	..	..	..
V	8	8	x	Magnolia stellata	x	..	..	..	..
IV	15	20	..	Malus (Flowering Crabs)	..	x	x	..	o
IV	12	30	x	Oxydendron arboreum	..	..	..	x	x
V	20	40	..	Prunus Flowering Cherry	..	x	..	..	x
IV	30	70	x	Robinia pseudacacia	..	..	x	..	..
IV	30	60	x	Sophora japonica	..	..	..	x	..
II	15	40	x	Sorbus (Mountain Ash)	..	..	..	o	..
V	10	20	..	Styrax japonica	..	x	..	..	..
V	15	20	..	Symplocos paniculata	..	x	..	..	o
III	40	80	..	Tilia (Linden)	..	..	x	..	..

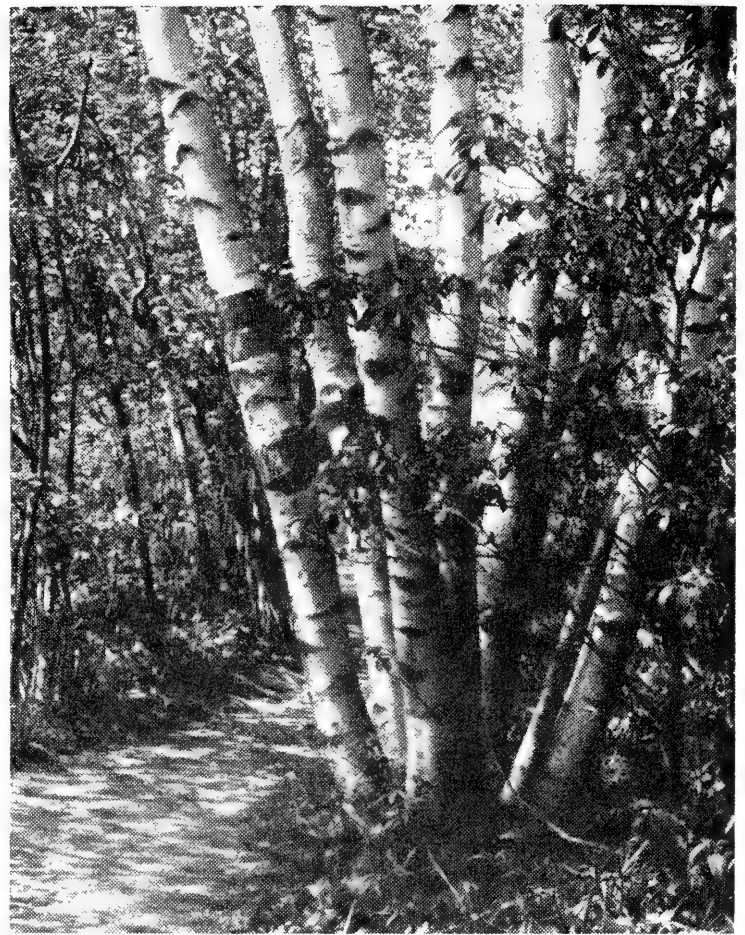
HELP IN SELECTING

SHADE TREES

	Tolerance		Faults			Virtues		
	Poor soil	Wet soil	Smoke	Root-greedy	Weak-branch	Quick	Health	Showy
ACER Negundo (Box-elder)	x	x	x	x	x	x	..	..
A. platanoides (Norway Maple)	..	..	x	x	..	x	..	..
A. rubrum (Red Maple)	..	x	..	x	..	x	..	x
A. saccharum (Sugar Maple)	x	..	..	..	..	x	..	..
BETULA alba (Birch)	x	..	..	..	x	..	..	x
B. populifolia (Gray B.)	x	x	..	..	x	x	..	x
B. papyrifera (Canoe Birch)	..	..	..	..	..	..	x	x
CELTIS (Hackberry)	x	..	..	..	..	..	..	..
FAGUS (Beech)	..	..	..	..	..	..	..	x
FRAXINUS (Ash)	..	x	x	..	..	x	..	..
GINGKO biloba	..	..	x	..	..	x	x	..
GYMNOCLADUS (Coffee-tree)	..	..	..	..	..	..	x	..
PLATANUS (Sycamore)	..	x	..	..	..	..	..	..
P. acerifolia (Oriental Plane)	..	x	x	..	..	x	..	..
POPULUS (Poplar—most kinds)	x	..	..	x	x	x	..	..
QUERCUS palustris (Pin Oak)	..	x	..	..	..	x	..	..
Q. coccinea (Scarlet Oak)	..	x	..	..	..	..	..	..
Q. rubra (Red Oak)	x	x	..	..	..	..	..	..
SALIX (Willow—most kinds)	..	x	..	x	x	x	..	..
TAXODIUM (Bald-cypress)	..	x	..	..	..	x	x	x
TILIA (Linden—most kinds)	..	..	..	..	..	x	..	x
ULMUS campestris (English Elm)	..	..	x	x	..	..	..	..
U. americana (American Elm)	..	x	..	x	..	..	..	..
U. pumila (Siberian Elm)	x	..	..	x	..	x	..	..



YOUNG NORWAY MAPLE



PAPER BIRCH CLUMP GROWING NATURALLY

ACER dasycarpum (Silver Maple). 100 ft. Zone III. Very fast growing, handsome tree.

*12 inch S ...25 \$2.50, 100 \$6.00
 5 ft. X5 \$10.00, 100 \$180.00
 6-8 ft.\$3.50 each, 10 \$25.00
 8-10 ft.\$5.00, 10 \$35.00

ginnala. 25 ft. Zone II. Conspicuous red fruit in summer. Handsome red leaves in autumn.

*6-12 inch S ..10 \$4.50, 100 \$30.00
 4-5 ft. ..\$4.00, 10 \$30.00, 100 \$250
 6-8 ft.\$6.00 each, 5 \$25.00

palmatum atropurpureum (Red-Leaved Maple). 10 ft. Mostly wine-red leaves. Bushy, compact. Any sheltered soil. In time, becomes an open tree-like shrub. Zone V. (Selected red Seedlings.)

*10-12 in. X 10 \$22.00, 100 \$175.00

—**Bloodgood**. Grafted form, very red leaves all summer. The best.

*10 in. 1 yr. \$3.50 each, 10 \$30.00
 15-18 in. X \$5.50 each, 10 \$50.00
 2-3 ft. BB \$10.00 each, 10 \$95.00

—**atropur dissectum** (Cutleaf red)

2 yr. graft\$5.00 each, 5 \$20.00

Pennsylvanicum (Striped Maple) (Moosewood). 30 ft. Zone III. Large bright green leaf. Striking bark striped white.

*4-6 ft.5 for \$9.50, 100 \$175.00

platanoides (Norway Maple). 60 ft. Zone III. Dense, round headed. Excellent for city streets. Easily grown. Bad in gardens, because of greedy roots.

*6-12 in. S ..25 \$6.50, 100 \$20.00
 *4-5 ft.10 \$12.50, 100 \$100.00
 6-8 ft.\$5.50 each, 10 \$50.00
 8-10 ft.\$8.50 each, 10 \$75.00

—**Crimson King**. A form with dark purple leaves that holds color all summer (Pat. No. 735.)

5-6\$7.00 each, 10 \$60.00

Rubrum (Red or Swamp Maple). 80 ft. Zone III. Majestic drooping pyramid. Red flowers in April. Wet land but tolerant of drainage.

*18 in. S25 \$5.00, 100 \$15.00
 *4 ft.5 \$7.50, 100 \$125.00
 6 ft.\$6.50 each, 10 \$45.00

saccharum (Sugar Maple). 100 ft. Zone III. Hates Smoky cities. Heavy dense, regular pyramid. Autumn color. The most effective country landscape shade tree there is. Bold and dark at a distance.

*12 inch S ..25 \$4.00, 100 \$ 12.50
 *4 ft.5 \$7.50, 100 \$135.00
 *6 ft.5 \$15.00, 100 \$195.00
 6-8 ft.\$6.00 each, 10 \$48.00

spicatum (Mountain Maple). 25 ft. Zone II. Bright red fruit. Bright orange autumn leaves.

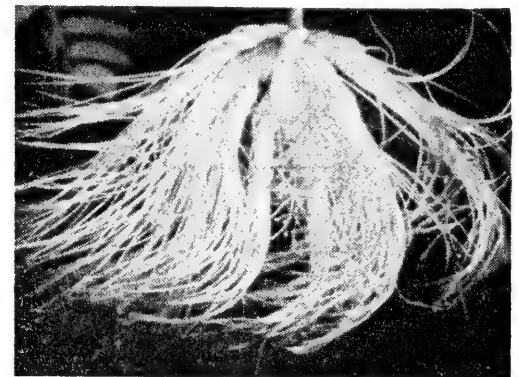
*12 inch S ..25 \$5.00, 100 \$ 15.00
 4-6 ft.5 \$15.00, 100 \$200.00

AESCULUS pavia (Red Buckeye). 35 ft. Zone V. Bright red flowers. Neat, handsome, tolerant.

*1-1½ ft. S 5 for \$6.00, 25 \$20.00
 1-1½ ft. X ..\$2.50 each, 10 \$20.00

Carnea Briotti (Red Horsechestnut). 50 ft. Zone III. Showy red in May. Rare and beautiful.

5-6 ft.\$16.00 each



Albizzia Bloom in July

ALBIZZIA julibrissin rosea. (Hardy Mimosa). Almost a tree. 18 ft. Zone V. Very rare. Interesting pink flower, when blooms are scarce in July.

2-3 ft.\$3.50 each, 5 \$15.00
 3-4 ft.\$5.00 each, 5 \$20.00

—**Kalkora**. Similar, also extra hardy, but white.

3-4 ft.\$5.00 each, 5 \$20.00

TREES

AILANTHUS altissima (Tree of Heaven). 60 ft. Zone IV. Handsome leaves and fruit. Very tolerant.
8-10 ft.\$6.00 each, 10 \$50.00

BETULA alba (European White Birch). 40 ft. Zone II. Good white bark. Spreading. Very tolerant tree.
*12 inch S25 \$6.00, 100 \$18.00
4 ft.5 for \$12.00, 100 \$200.00
6 ft.\$4.50 each, 10 \$35.00
8 ft.\$7.00 each, 10 \$55.00

—**Clumps.** Three stems each.
3 ft. clumps \$4.00 each, 5 \$17.50
5 ft. clumps \$7.75 each, 5 \$35.00

—**laciniata** (Cutleaf Weeping). Like above, but drooping branches and lacy, drooping leaves. The effect is superb on a lawn. Only fault: Hard to move large trees.
4 ft.\$5.00, 10 \$40.00

papyrifera (Canoe or Paper Birch). 80 ft. Zone II. Whitest bark of all, but yellowish when young. Handsome, long-lived, tolerant.
*2 ft.25 \$8.00, 100 \$ 25.00
*4-5 ft.10 \$18.00, 100 \$150
4-5 ft. X\$4.00 each, 10 \$30.00

populifolia (Gray Birch). 30 ft. Zone IV. The common clump of "white" birch in woods. Poor soil. Short lived.
*1½ ft. S25 \$6.00, 100 \$ 18.00
*4-5 ft.10 \$18.00, 100 \$150.00

Cladristis lutea



C A R Y A laciniosa (Shellbark Hickory). 100 ft. Zone V. Wet, rich soil.
*1½ ft.5 \$4.00, 100 \$45.00
3-4 ft.\$6.00 each

pecan. 50 ft. Zone V. Selected hardy seedlings, good nuts.
6 ft.\$7.00 each, 10 \$60.00

CASTANEA mollissima (Chinese Chestnut). 30 ft. Zone V. Sweet nuts. Disease resistant. Tolerant.
*12 inch S25 \$20.00, 100 \$75.00
3 ft. X3 \$7.50, 10 \$20.00
4-5 ft.2 \$8.50, 5 \$12.50

pumila (Chinquapin Chestnut). 20 ft. Zone V. Totally blight-proof. Smaller, tasty nut.
2-3 ft\$4.50 each, 10 \$40.00

CATALPA speciosa (Western Catalpa). 80 ft. Zone IV. Handsome pyramid. Spotted white in June. Showy. Timber durable in water.
*1½ ft. S 10 \$2.50, 100 \$ 12.00
6 ft. ..\$5.25, 10 \$35.00, 100 \$200.00

CELTIS occidentalis. 100 ft. Zone II. Good straight timber, handsome. Moist. Stands city smoke.
*12 inch S25 \$3.00, 100 \$9.00
4-5 ft.\$4.50 each, 10 \$30.00
6-8 ft.\$7.50 8-10 ft.\$9.50

CERCIDIPHYLLUM japonicum (Katsura). 40 ft. Zone IV. Dense pyramid. Handsome leaf, yellow in fall.
2-3 ft.\$7.50 each, 3 \$20.00
5-6 ft. BB ..\$12.00 each, 5 \$55.00

* = young, unformed. X = transplanted. BB = ball of earth.

Photo: *Chionanthus*



CERCIS canadensis (Red Bud). 20 ft. Zone IV. Rosy pink buds cover bare branches in April. Humus. Beautiful. Part shade.
*12 inch25 \$3.00, 100 \$9.00
3-4 ft. ..\$2.50, 10 \$18.00, 100 \$125
4-5 ft. ..\$4.50, 10 \$30.00, 100 \$200
5-6 ft. ..\$5.00, 10 \$40.00, 100 \$350

—**alba** (White Bud). Rare and showy white form of Red Bud.
3-4 ft\$10.00 each, 2 \$17.50

—**Pink Charm.** Form with pure pink flowers. Lovely.
3-4 ft.\$10.00 each, 2 \$17.50

chinensis (Chinese Red-bud). 40 ft. Zone VI. More, larger, darker flowers than our native.
*12 inch S25 \$5.00, 100 \$15.00
3-4 ft. ..\$3.25, 10 \$20.00, 100 \$150

CHIONANTHUS virginica (White Fringe). 25 ft. Zone IV. Fragrant white tassels in May. A slow tree, but worth waiting for. Good drainage.
18-24 in. X ..2 for \$4.00, 10 \$15.00

retusus. 18 ft. Zone V. Similar, and as handsome as the above. Blooms June-July, when few trees bloom. Rare.
*3 inch pot ..2 for \$4.50, 10 \$18.00

CLADRASTIS lutea (Yellowwood). 50 ft. Zone III. Fragrant, white in June. Stands drought. Deep roots.
*12-15 in. X 2 for \$3.00, 10 \$10.00
2-3 ft. ..\$2.75, 10 \$20.00, 100 \$150
4-6 ft. ..\$5.00, 10 \$40.00, 100 \$350

Cercis Canadensis



CORNUS—The Flowering Dogwoods

Perhaps the handsomest and easiest grown of all small trees.

florida (Flowering Dogwood). 25 ft. Zone IV. Very showy white in May, large red berries October on. Acid, humus. No more sensational sight than a group in bloom.

*12 inch25 \$4.00, 100 \$ 12.00
2 ft. X \$3.50, 10 \$16.00, 100 \$125.00
3 ft. X \$3.50, 10 \$30.00, 100 \$250.00
4-5 ft.\$5.00 each, 10 \$35.00
6 ft.\$8.50 each, 10 \$60.00

—**plena** (Double Dogwood). Rare form with showy double white bloom. Finer than the single.

Grafts.
*12 inch X5 \$12.00, 50 \$95.00
2½-3 ft.\$5.50 each, 5 \$25.00

—**New Super-Red**. The nearly-red Dogwood. New. Much darker than *rubra*.

*6-12 in. X 5 for \$9.00, 25 \$35.00
2-2½ ft.\$7.00 each

—**rubra** (Pink Flowering). Pink flowers. No real red is known, but the clear pink is a beautiful tone. Plant in with white for best effect.

*12-15 in. X 5 \$11.00, 100 \$155.00
2 ft. \$5.75, 10 \$50.00, 100 \$350.00
4-5 ft.\$9.50 each, 5 \$45.00

mas (Cornelian Cherry). 20 ft. Zone V. A yellow cloud in April. Scarlet berries August. Tolerant.

*12 inch S25 \$10.00, 100 \$35.00
3-4 ft.\$2.60 each, 10 \$20.00

kousa (Japan Flowering Dogwood). 20 ft. Zone V. Like our native *C. florida*, but in June and more tolerant. Bushier.

*12-18 inch X 2 for \$5.50, 5 \$12.50
2-3 ft.\$6.50 each, 5 \$25.00

—**chinensis**. Form of *Kousa* with larger, whiter flowers.

12-18 inch (pot) ..\$5.50, 5 \$25.00
2 to 3 ft.\$7.00 each

CORYLUS avellina (Filbert). 20 ft. Zone III. Good nuts. A fine shrubby tree.

*18 in. S 10 for \$8.00, 100 \$60.00
18 inch\$3.00 each, 5 \$12.50

—**Contorta**. 7 ft., fantastically twisted cork-screw branching. Called "Harry Lauder's walking-stick."

18-24 inch\$6.50, 5 \$30.00

Americana (Hazelnut). 10 ft. Zone IV. Spreading. Tasty nuts.

*12 inch S25 \$5.00, 100 \$15.00
3-4 ft.\$2.75 each, 10 \$20.00

COTINUS coggygia (Smoke-Tree). (Purple Fringe). 20 ft. Zone V. Oct. Wash of feathery purple covers entire plant.

3-4 ft. X\$2.75 each, 5 \$ 9.50
6-8 ft. X\$5.00 each, 5 \$20.00

—**Royal Purple**. Form with darker purple-bronze bloom, purple leaves, all summer. Outstanding.

2-3 ft.\$4.50 each, 2 for \$8.00



Young specimen *cornus florida*

CRATAEGUS cordata (Washington Thorn). 20 ft. Zone IV. Round head, bushy. Red fruit all winter.

2 ft. \$2.50, 10 \$18.00, 100 \$125.00
4-5 ft.\$4.00 each, 10 \$30.00

oxycantha Crimson Glory (Red May Tree). 20 ft. Zone IV. Showy Red flower in May, fragrant. Red autumn fruit.

*1 yr. graft 5 for \$8.00, 25 \$35.00

—**splendens** (Paul Scarlet Hawthorne). Form with showy red flowers. Grafted. Red berries. Prefers sun, lime, and heavy soil—even clay. In light soils, manure.

4-5 ft.\$5.00 each, 10 for \$45.00
2-3 ft.....\$3.50, 10 \$30.00

FAGUS sylvatica (European Beech) 80 ft. Zone IV. Lime, drain. Slow. Casts dense shade.
3-4 ft. BB\$12.50 each

—**riversi** (Purple). Reddish-purple leaves. Handsome, bushy tree.

*1 yr. graft 10 \$18.00, 100 \$150.00
2-3 ft. X\$5.50 ppd., 5 \$25.00
4-5 feet\$16.00 each

Crataegus Splendens



cornus florida plena



FRANKLINIA ALATAMAHA
Ben Franklin's Tree

35 ft. Zone V. Large white and yellow blooms fragrant from August to frost. Damp, acid, heavy, humus, blooms best in Sun. Blooming starts on small plants. An extraordinary native.

Leaves bright red in autumn — often while white flowers still open. The only flowering tree that blooms in late fall. Unlike most trees, small sizes need more "nursing" than larger sizes.

	(Each)	(10)
*8-12 inch S		\$12.00
18-24 inch	\$4.00	35.00
3-4 ft.	7.00	60.00
4-5 ft.	9.00	85.00
5-6 ft.	12.00	100.00

FRAXINUS americana (White Ash). 100 ft. Zone III. Vigorous, tolerant.

*12-18 inch S ..25 \$2.50, 100 \$6.00
4-5 ft.5 \$6.25, 100 \$120.00
6-8 ft.\$6.00 each, 5 \$20.00

Ornus (Flowering Ash). 60 ft. Zone V. White, fragrant, long showy panicles, late May. Surprising and pleasing.

*12 in. S ..10 for \$6.00, 100 \$30.00
18-24 in. X ..2 for \$5.00, 10 \$20.00
2-3 ft.\$5.00 each, 10 \$40.00

Below: Franklinia Bloom



GINGKO biloba (Maidenhair Tree). 100 ft. Zone IV. Slow, but tolerant of city conditions.

*12-18 inch S 10 \$7.50, 100 \$55.00
2-3 ft. X2 for \$5.50, 10 \$25.00
5-6 ft.\$9.50 each, 5 \$45.00

GLEDITSIA tricanthos inermis (Thornless Honey Locust). 100 ft. Zone IV. Rich soil, sun. Good timber and good stock feed.

*1-1½ ft. ..25 for \$2.75, 100 \$9.00
6-8 ft.\$5.50 each, 10 \$40.00

—**Moraine Locust.** Form with no thorns and no fruit, hence does not litter a lawn. A useful tree.

5-6 ft.\$6.50 each, 5 \$25.00

—**Sunburst Locust.** New seedless form. 8 inches of new growth gold, remainder green. Seems in bloom all summer.

4-5 ft.\$6.75 each, 10 \$60.00

HALESIA tetraptera (Great Silverbell). 25 ft. Zone IV. Profusion of white bells nod in May. Acid, humus.

4-6 ft.\$5.50 each, 10 \$45.00

—**monticola** (Mountain Silverbell). Larger to 60 ft. Zone V, otherwise similar to above.

5-6 ft.\$5.50 each, 5 \$22.50

JUGLANS nigra (Black Walnut). See also page 20. 120 ft. Zone IV. Rich moist. Majestic, with good timber, handsome leaf and delicious nuts.

*1 ft. S25 \$4.50, 100 \$14.00
4-6 ft.\$4.50 each, 10 \$40.00

Right: Laburnum

TREES

KOELREUTERIA paniculata (Golden Rain Tree). 25 ft. Zone V. Sun, lime, dry. Large golden clusters in July. Showy.

*12-18 inch S 10 \$6.50, 100 \$50.00
4-5 ft.\$5.50 each, 10 \$45.00
5-6 ft.\$6.50 each, 10 \$55.00

LABURNUM vossii (Hybrid Golden Chain). 35 ft. Zone V. Hardier and freer to bloom than ordinary Laburnum. A clearer yellow color. Lime. Bright green stems in winter.

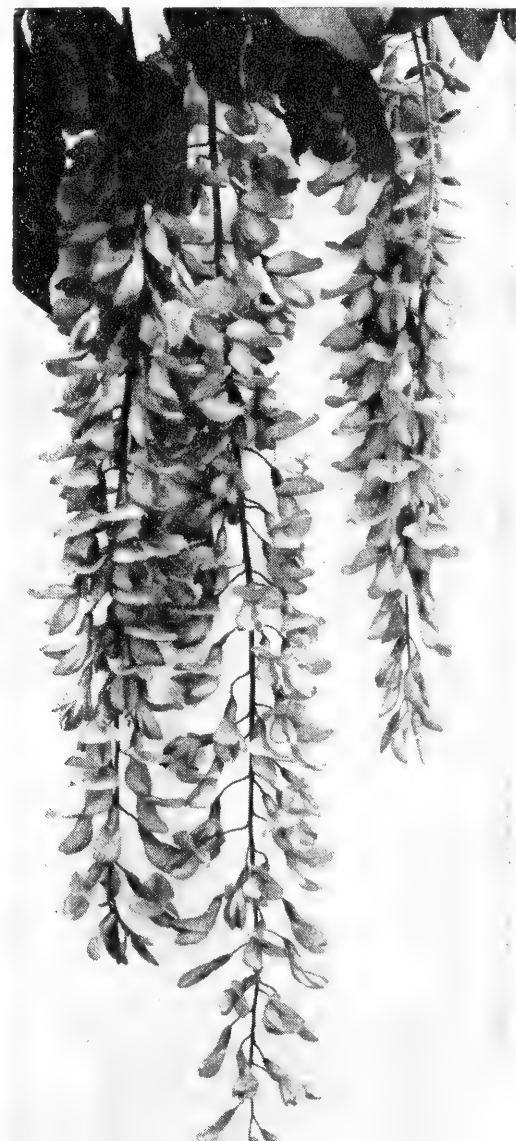
4-5 ft.\$5.75 each, 10 \$55.00
5-6 ft.\$7.00 6-8 ft.\$9.00

L A R I X decidua (European Larch). 100 ft. Zone II. Shapely pyramid with "needle" leaves.

*12-15 in. X 25 \$20.00, 100 \$65.00
3-4 ft. BB\$5.75 each

L I Q U I D A M B A R *Styraciflua* (Sweet Gum). 100 ft. Zone IV. Symmetrical tree. Brilliant fall color.

*12 inch S10 \$3.00, 100 \$15.00
4-5 ft.5 \$9.00, 100 \$150.00
6 ft. BB\$6.50 each, 5 \$25.00





(above): *Magnolia soulangeana*

MAGNOLIAS — Tree Aristocrats

MAGNOLIA glauca (Swamp Laurel). 16 ft. Zone V. Prefers moist, but tolerant. Semi-ever-green. White blooms scattered from June to August. Fragrant.

*2¼ inch pot 10 \$6.50, 100 \$45.00
4 inch pot2 \$4.00, 10 \$15.00
2-3 ft. BB ..\$9.00 each, 10 \$80.00

grandiflora (Great Southern Magnolia). Zone VI, if protected. For experimenters.

*6-12 inch X ..5 \$5.00, 25 \$15.00
2-3 ft. BB\$8.75 each, 5 \$40.00

kobus. 30 ft. shrubby. Zone V. White, May. Young trees flower.

*1 yr. grafts ..5 \$6.50, 100 \$85.00
2-3 ft.\$6.50 each, 10 \$50.00

macrophylla (Big-leaf Magnolia). 60 ft. Zone V. 18-inch leaves, foot-wide flowers May, fragrant.

5 ft. X\$6.00 each, 10 \$45.00

purpurea (Liliflora). 9 ft. shrub. Zone V. Purple outside, almost white inside.

1½-2 ft.\$7.00 each, 10 \$60.00

soulangeana (Saucer Magnolia). 20 ft. Zone V. Late April show of large rose-purple blossoms, white inside. A hybrid species, including handsome varieties. Drain.

18 inch \$4.75, 10 \$40.00, 100 \$350
3-4 ft. BB\$7.50 each, 10 \$68.00

—**Rustica Rubra**. Larger, dark 2-3 ft.\$7.00 each, 5 \$30.00

—**Grace McDade**. Very large pink.

3-4 ft. BB \$10.00 each, 10 \$80.00
2-3 ft. BB ..\$7.00 each, 10 \$60.00

—**Lombardy Rose**. Very large dark pink. Fine.

18-24 in. BB \$7.00 each, 10 \$65.00

stellata (Star Magnolia). 12 ft. Shrubby. Zone V. Early April, ribbony, white, fragrant bloom.

18-24 inch X \$5.50 each, 5 \$25.00
2-3 ft. BB \$10.50 each, 10 \$95.00

—**waterlily**. New, hardier, bluish-white form. Very double blooms in late April. Bushy growth.

12-15 inch X \$4.50 each, 5 \$20.00
18-24 inch ..\$6.00 each, 5 \$25.00

MALUS-Flowering Crabs

Vigorous, hardy, and breathtaking. Zone III to V. Easy to grow. Showy in May. Crabapples will grow well on the sea-shore, where few plants thrive.

*1 yr. grafts ..5 \$6.50, 25 \$25.00
2-3 ft.\$1.95 each, 10 \$15.00
4-5 ft.\$3.00 each, 10 \$25.00

Almey. Bright red flowers and fruit. New. Outstanding.

Baccata columnaris. Narrow column. Red bloom, scarlet fruit.

Columnar Pink. Narrow column

Coronaria fl. pl. Double pink. to 15 ft. double pink.

Eleyi. Big red flower and fruit.

Floribunda. 18 ft. Pink, white.

Flor. purpurea. Purple leaf form.

Hopa. Entirely covered. Rose blooms, red fruit. Zone III.

Jay Darling. Red leaf, flower, fruit. Good jelly.

Lemoine. Purple leaf, dark red flower and fruit.

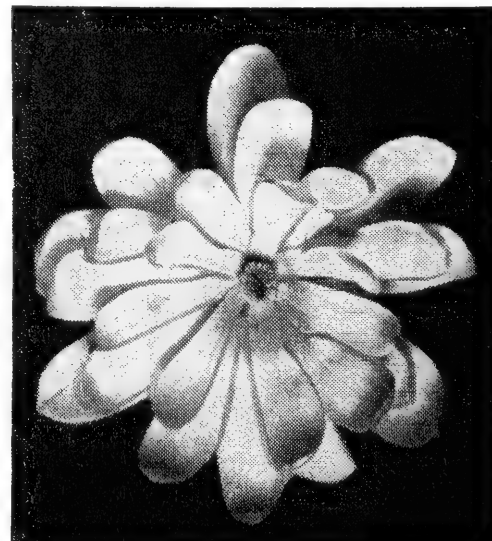
Marshall Oyama. Very narrow columnar. White flowers.

Zumi calicarpa. Large pinkish. Fruit red. Popular.



(above): *Magnolia glauca*

(below): *Magnolia Waterlily*



LIRIODENDRON tulifera (Tulip Tree). 150 ft. Zone IV. Majestic giant, with yellowish tulips in June. Humus.
 *12 inch S10 \$2.00, 100 \$10.00
 4 ft.5 \$9.00, 100 \$135.00
 6-8 ft. \$3.50, 10 \$30.00, 100 \$250
 10-12 ft.\$7.00 each, 10 \$60.00

METASEQUOIA (Dawson-redwood.) Deciduous. The new living fossil conifer from western China. Hardiness probably Zone II. One of the rarest trees.
 2-3 ft. ..\$10.00 each, 10 \$90.00
 3-4 ft.\$14.50 each, 5 \$65.00

MORUS alba (Russian Mulberry). 30 ft. Zone IV. Round-topped tree. Fruit white to purple, edible.
 *1½ ft. S25 \$3.00, 100 \$9.00
 4 ft.5 \$8.00, 100 \$135.00

NYSSA sylvatica (Tupelo). 60 ft. Zone IV. Interlaced, drooping. Early autumn color. Moist. Hard to transplant.
 *12 in. S ..10 for \$3.00, 100 \$18.00
 3 ft. BB\$4.50 each, 10 \$37.50

Below: *Prunus Kwanzan.*



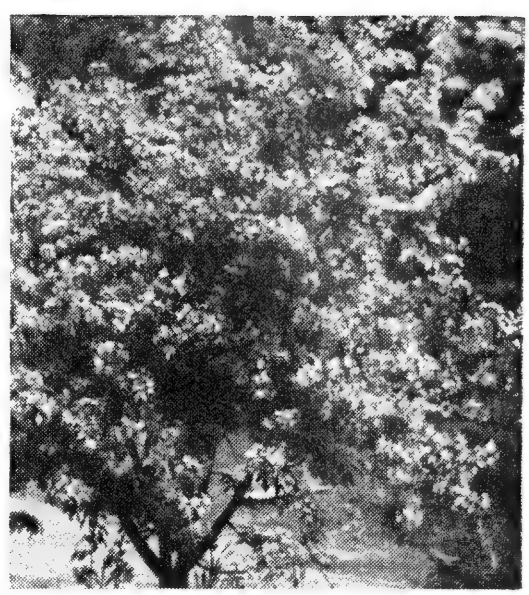
OXYDENDRUM arboreum (Sorrel Tree). 30 ft. Zone IV. Peach-leaves turn red in autumn. Long clusters of white in July and August. Acid.
 *12-18 in. S ..25 \$5.00, 100 \$15.00
 1-1½ ft. X \$1.50, 10 \$12.50, 100 \$95
 4-5 ft. X \$3.50, 10 \$17.50, 10 \$125

PARROTIA persica. 20 ft. Zone V. Purplish flowers in March. Glorious orange and scarlet Autumn leaves.
 18-24 inch X \$6.50 each, 5 \$25.00

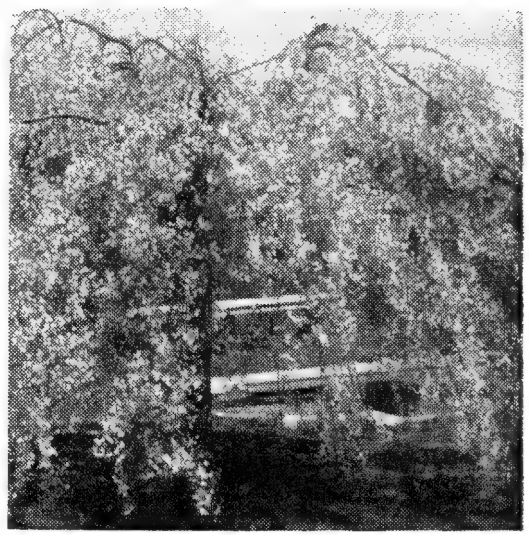
PHELLODENDRON amurense (Amur Cork-tree). 50 ft. Zone III. One of the best small shade trees. Conspicuous gray bark.
 *6-12 inch S ..10 \$6.00, 100 \$30.00
 2-3 ft. X \$2.25, 10 \$15, 100 \$100
 4 to 5 ft.\$4.50 each, 10 \$35.00

PLATANUS occidentalis (Sycamore). 120 ft. Zone IV. Giant, dignified native shade tree. Tolerant but prefers moisture.
 *1½ ft. S25 \$4.50, 100 \$12.00
 4-5 ft.5 \$6.25, 100 \$95.00
 6-8 ft.5 \$11.25, 100 \$175.00
 8-10 ft.\$6.00 each, 10 \$30.00

—“**Orientalis**” (*Acerifolia*) (Plane). 90 ft. Zone (V), VI. Good city tree.
 *4-5 ft. X 10 for \$24.00, 100 \$180
 6 to 8 ft.\$4.50 each, 10 \$40.00



(above) *Malus (Crabapple)* in May



(below) *Weeping Cherry*

Prunus – Flowering Fruit

HOWARD MIRACLE PLUM (Pat. No. 721). Handsome tree, 20 ft. Zone III. But outstanding fruit, juicy, thin-skinned. Flavor something new, semi-tropical, truly delicious. Between a peach and a plum. Exciting.
 3-4 ft.\$2.95 each, 10 \$25.00

triloba Newport. (Purple-leaf Plum). 12 ft. Zone IV. Pink flowers in May. Dark purple foliage, even in summer. A fine small lawn tree.
 4-5 ft.\$2.95 each, 5 \$12.50

Persica (Flowering Peach). 18 ft. Zone IV. Very showy, bright colors. Double flowers in May. Order RED, PINK, or WHITE.
 3-4 ft.\$2.50 each, 5 \$8.00
 (One each all 3 colors \$5.50ppd.)

padus commutata (May Day Cherry). 40 ft. Zone III. Edible black fruit.
 *1½ ft. S 10 for \$5.00, 100 \$30.00
 3 to 4 ft. 5 for \$15.00, 100 \$200.00

JAPANESE CHERRIES

Serrulata Amanagawa. 20 ft. Zone V. Erect, narrow column, blush-pink in late May.
 4 to 6 ft.\$8.50 each, 3 \$22.00

—**kwanzan.** Easily the darkest pink. Fully double, large flowers. Zone V.
 3 to 4 ft.\$4.50 each, 5 \$20.00
 4 to 5 ft.\$5.50 each, 5 \$25.00

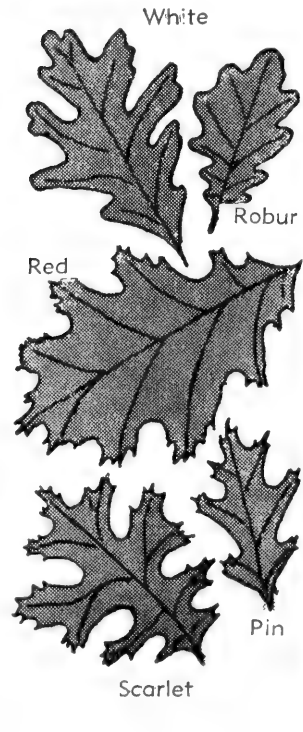
—**Mt. Fuji.** Fine white. Zone V.
 4 to 5 ft.\$8.00 each, 3 \$22.00

subhirtella pendula (Weeping Cherry). In May, a fountain of pink. 12 ft. Zone V. Low-branched.
 4 to 5 ft.\$5.00 each, 5 \$20.00
 6 to 8 ft. \$8.50 each, 5 \$35.00

Yoshino. 45 ft. Zone V. Handsome fragrant pink, May.
 3 to 4 ft.\$4.00 each, 5 \$17.50
 5 to 6 ft.\$8.00 each, 3 \$22.00



Quercus palustris (Pin Oak)



Oak Leaves



Salix Babylonica

POPULUS bolleana (Bolleana Poplar). 40 ft. Zone II. Narrow column, hardy and disease-free. Better than Lombardy. Green leaf, white beneath.

4 ft.5 \$8.50, 100 \$150.00
6 ft. \$4.50, 10 \$32.00, 100 \$250.00

—**nigra italica** (Lombardy Poplar). 60 ft. Zone II. Quick column. Popular but prone to disease. Very tolerant as to soil.

*18-24 inch ..25 \$3.50, 100 \$10.00
*5-6 ft. \$1.50, 10 \$8.50, 100 \$65.00
6 ft. \$2.00, 10 \$15.00, 100 \$100.00

POPULUS carolina (Norway Poplar.) 90 ft. Zone II. A straight very fast growth, clean variety.

*4 ft. S.25 \$9.00, 100 \$32.00
5-6 ft.5 for \$6.50, 100 \$95.00

PRUNUS—(See Page 55.)

ROBINIA pseudacacia (Black Locust). 70 ft. Zone IV. Dry, sandy soil. The drought tree! Showy, fragrant white flowers in June.

2-3 ft. S25 \$2.50, 100 \$8.00

SALIX alba Vitellina (Russian Golden Willow). 40 ft. Zone II. Branches are bright startling yellow. Damp soil.

*2 ft.25 \$5.00, 100 \$15.00
*4-5 ft.10 \$12.50, 100 \$110.00

—**babylonica** (Babylon Weeping). 30 ft. Zone V. Familiar green fountain. Near, but not in water.

*1½ ft.25 \$7.50, 100 \$25.00
*4 ft.5 \$6.25, 100 \$110.00
6-8 ft. \$3.75, 10 \$25.00, 100 \$200.00

—**blanda** (Wisconsin Weeping). More vigorous hybrid of Babylonica. Spreading head, weeping. Zone IV.

*4 ft.5 \$6.25, 100 \$110.00
6-8 ft.\$4.00 each, 10 \$30.00

—**Gracystyla** (Rose-Gold Pussy Willow). 9 ft. Zone V. Large colored catkins, very showy.

2-3 ft.\$2.75 each, 10 \$20.00

—**niobe** (Golden Weeping). 40 ft. Zone II. Drooping yellow.

*1½ ft.25 \$7.50, 100 \$25.00
4-5 ft.5 \$6.25, 100 \$110.00
6-8 ft.\$5.00 each, 10 \$35.00

—**pentandra** (Laurel-leaf Willow). 60 ft. Zone IV. Handsome tree, shiny dark leaves. Showy catkins April.

*2 ft. S25 \$6.00, 100 \$20.00
5-6 ft.\$4.50 each, 10 \$20.00

—**nana purpurea** (Arctic Willow). Blue leaved dwarf to Zone I. Grows anywhere, even damp clay. Not over 4 ft., bushy, nice foliage. Excellent for low edging.

*12 in. X 10 for \$5.50, 100 \$45.00

Quercus - The Oaks

The most long-lived of native trees. Not so slow—see Page 49. Handsome and desirable. The best shade for Rhododendron.

alba (White Oak). 90 ft. Zone IV. Noble, spreading tree.

*12 inch S25 \$6.50, 100 \$20.00
*3 ft. X10 \$9.50, 100 \$65.00
6-8 ft.\$9.50 each, 10 \$80.00

palustris (Pin Oak). 90 ft. Zone IV. Damp or dry soil. A fine street tree. Fast-growing.

*12 inch S25 \$6.50, 100 \$20.00
4-5 ft.5 \$15.00, 100 \$250.00
5-6 ft.\$5.00 each, 10 \$35.00
6-8 ft.\$7.50 each, 10 \$60.00

coccinea (Scarlet Oak). 80 ft. Zone IV. A neater Red Oak, finer autumn leaf.

*12 inch S25 \$6.50, 100 \$20.00
*4-6 ft.5 \$12.50, 100 \$180.00
6-8 ft.\$9.50 each, 10 \$80.00

rubra (borealis) (Red Oak). 60 ft. Zone IV. Likes clay. Handsome.

*12-18 in. S 25 \$6.50, 100 \$20.00
*4-6 ft.5 \$12.50, 100 \$180.00
6-8 ft.\$9.50 each, 10 \$80.00

macrocarpa (Bur Oak). 75 ft. Zone II. Handsome, hardy.

*12 inch S25 \$6.50, 100 \$20.00
6-8 ft.\$9.50 each, 10 \$80.00

TREES

SOPHORA japonica (Pagoda Tree). 75 ft. Zone IV. White in August. Showy and rare.

*12 in. S 10 for \$4.80, 100 \$32.00
4-5 ft.\$6.75 each, 5 \$32.50

SORBUS aucuparia (Mountain Ash). (Rowan Tree). 30 ft. Zone II. Clusters of orange in August. Showy.

*12 in. S25 \$7.50, 100 \$25.00
1½ ft. X10 \$10.50, 100 \$78.00
4 ft. ..\$3.50, 10 \$20.00, 100 \$190.00
6-8 ft.\$4.50 each, 10 \$35.00

STEWARTIA ovata (pentagyna). 15 ft. Zone V. Very showy white cups 3 inches across, July-Aug. Large bright green leaf shows orange in fall. One of the handsomest shrubby small trees.

2-3 ft.\$3.50 each, 10 \$25.00

pseudocamellia. 60 ft. Zone V. White cups in July. Good foliage turns purple in fall. Rare beauty.

18-24 in. X \$4.00 each, 5 \$15.00
2-3 ft. X\$6.00 each, 5 \$25.00

SYMPLOCUS paniculata (Sweetleaf). 35 ft. Zone V. Showy white flowers in May, brilliant blue berries in Sept. An unusual and very choice tree. Easily grown.

1½-2 ft.\$4.00 each, 2 \$7.50

SYRINGA amurensis japonica. (Tree Lilac). 30 ft. Zone IV. Creamy white, June-July.

4-5 ft.\$8.50 each, 5 \$37.50

TAXODIUM distichum (Bald Cypress). 80 ft. Zone V. Is not evergreen, but looks like one. Graceful, feathery pyramid. Very fine shade tree. Tolerant.

*18-24 in. S5 \$4.00, 25 \$15.00
4-5 ft. \$4.50, 10 \$35.00, 100 \$250.00
6-8 ft.\$6.00 each, 5 \$25.00

TILIA americana (American Linden). 100 ft. Zone II. Fine, large tree for avenues. Vigorous.

*2 ft. X10 \$9.50, 100 \$85.00
4-5 ft. X10 \$18.50, 100 \$145.00
6-8 ft.\$6.75 each, 10 \$55.00
8-10 ft.\$8.00 each, 10 \$65.00

europaea (vulgaris). (European Linden). 90 ft. Zone III. Fine tolerant shade tree.

5-6 ft.\$9.50 each, 10 \$85.00
6-8 ft.\$12.00 each, 10 \$97.50

Cordata (Little-leaf European Linden.) 90 ft. Zone III. Handsome, dense foliage.

*12 in. S25 \$12.00, 100 \$40.00
*18 in. X5 \$7.50, 100 \$120.00
6-7 ft. 8.00, 10 \$70.00, 100 \$650.00

ULMUS americana (American Elm). 100 ft. Zone II. Most beautiful native tree. Tolerant, even of flooded land. Subject to blight near New York.

*2 ft.25 \$3.00, 100 \$9.00
5-6 ft.5 \$9.00, 100 \$150.00
6-8 ft.\$5.50 each, 10 \$30.00
8-10 ft.\$6.50 each, 10 \$40.00

Carpinifolia C. Buisman (Blight-free European Elm). 90 ft. Zone IV. The only elm resistant to all Elm diseases. New, very promising. Broadly pyramidal.

6-8 ft.\$9.50 each, 10 \$70.00
10-12 ft.\$12.50 each.

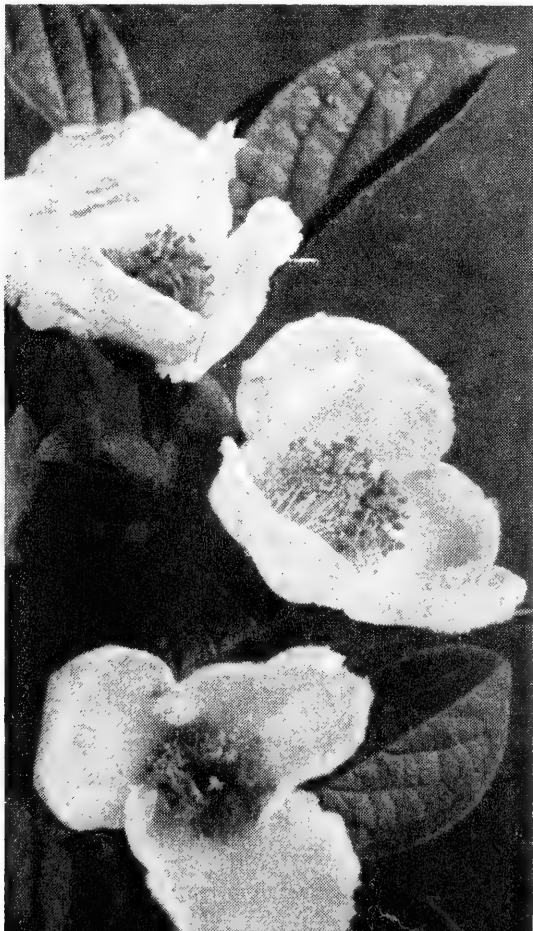
pumila (Siberian or Chinese Elm). 45 ft. Zone IV. Neat, small, bushy tree. Very tolerant of dry land. Permanently desirable tree. Makes an excellent sheared hedge.

*2-3 ft. S25 \$4.00, 100 \$10.00
*4-5 ft. 10 for \$15.00, 100 \$110.00
6-8 ft. \$3.75, 10 \$25.00, 100 \$195

WISTERIA "Tree". Blue Chinese wisteria grown to one-stem form. Can be kept trimmed to 6 or 8 ft. specimens. Not much trouble, and very showy indeed.

3-4 ft. grafted plants \$5.95 ppd.

Photo: Stewartia in bloom



Berries of Sorbus (Mt. Ash) in August



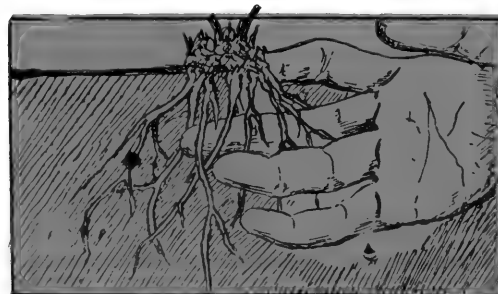
PERENNIALS

PAGES 58 TO 63

On these six pages is packed more information and variety than in many a large perennial catalog. Strong, sturdy field-grown clumps are offered, except for kinds that do best in pots. Perennials are not shipped until late April and May as a rule, but **ORDER NOW**. We'll ship at the right time. Add 50c handling on perennial orders under \$5.00, otherwise all prices postpaid East of the Rockies.

PERENNIALS last for years in the ground. One plant in New England has been recorded at four generations.

HARDINESS is sufficient to grow most kinds up to Zone IV. Extra hardy sorts include: Aquilegia, Campanulas, Dianthus, Delphinium, Hemerocallis, Iris, Liliium, Peony, Phlox.



ROOT CLUMPS. Most perennials come as sketched above. Work the loose earth well in among the roots; spread roots gently to allow this. Water well to settle. If growth has started, shade from direct sun first few days.



Photo: Sunny Perennial Border—Ten showy yet labor-saving, insect-free plants for such a position are: Bearded Iris, Peonies, Thymus serpyllum, Asters in variety, Baptisia, Phlox, Physostegia, Teucrium, Coreopsis and Veronica.

Astilbe Fanal

The name means "lighthouse" and the fiery red spikes brighten any garden. May-June. 15 inches high. Space 12 inches. Rich, humus, sun or semi-shade. 3 for \$4.00 (10 for \$10.00).

True Bleeding Heart

Dicentra spectabilis. Old favorite. Showy pink all summer. Space 19 inches, shade. Plant early in spring or wait till fall. 3 for \$4.50 (10 for \$11.00).



Dianthus Hardy "Carnations"



Photo: Aster Frikarti

Day-Lilies

NEWER HEMEROCALLIS

All gay, clean colors. Here are the best in each color and season. Sun or shade; disease-free. Each kind blooms about 4 weeks. These are sensationally handsomer than old-fashioned day-lilies: larger, brighter, showier.

EARLY
(May-June)

MID-SEASON
(July)

LATE
(August)

3 Creams \$2.50	Pale Moon — Nice pale yellow. Reliable. 2½ ft. ....\$ .80	Patricia — Creamy yellow, green throat. Fragrant .....\$1.10	High Boy — Tall and very pale \$.80
3 Yellow \$2.15	DuMortieri — Rich yellow. 24-inch \$.70	Hyperion — Finest canary. 4 ft. \$.80	Mrs. W. H. Wyman — Fine lemon \$.80
3 Orange \$3.50	Earliana — Golden orange. Fine ..\$1.45	Rajah —Orange and red. Striking \$1.10	August Orange — Rich orange ....\$1.20
3 Pinks \$4.20	Symphony — Rose red and yellow blend. 3½ ft. \$1.45	Pink Charm — Soft Ochre-red pink. 4 ft. tall .....\$1.45	Rosalind — (Fulva rosea). Pinkest of all kinds .....\$1.45
3 Reds \$3.25	Theron — Wine-red. Graceful twisted petals .....\$1.10	T e j a s — Intense fiery red, yellow throat. ....\$1.10	Gay Troubador — Red and cream bicolor. Unusual \$1.35
3 Purple \$3.25	Purple Waters — Wine-purple. Very vigorous .....\$1.35	Port — Port wine on well branched stems. 30-inch \$.80	Persian Princess — Velvet-red overlaid on purple .....\$1.35



Aster Frikarti. The finest garden plant introduced in the last 20 years. Mass of flowers June to November. Sun or light shade. Ht. 30 in., space 15 in. Lavender blue. 3 for \$3.25. 10 for \$6.75.

Fall Asters. Tolerant, tall. Any one kind priced 3 for \$2.65.

Harrington Pink—best pink.

Climax—60-inch lavender.

Mt. Everest—40-inch white.

Plenty—40-inch sky-blue.

Winston Churchill—30-in. red.

Christmas Rose

Handsome, but much over-rated in current popular advertising. But a fine small plant.

Helleborus Niger. Tiny evergreen, with white blooms. December to March. 3 for \$4.95.

Hardy "Carnations"

Dianthus that look and smell like florists' carnations. Hardy. Blooms all summer. Either kind:—

Avalon—Red.

Silvermine—White.

3 for \$3.00, 10 for \$6.00

Baby's Breath (Gypsophila)

Bristol Fairy. Very dainty, many little blooms. 3 for \$6.00.

Rosy Veil. An early, compact dwarf Baby's Breath. Pink and white. 3 for \$3.50 (10, \$7.00).

Lily of the Valley

Convallaria majalis. These are rooted clumps, ready to bloom, not mere "pips". Fragrant, white sprays in May. Rich soil, in shade. 10 for \$5.00 (100, \$35.00)

Loosestrife (Lythrum)

Morden's Pink. Profuse spikes of rose-pink. June to Sept. Very tolerant. Height 2 ft., space 15 in. 3 for \$2.50.

Funkia (Plantain-Lily)

Subcordata grandiflora. The well-known white August Lily. 3 for \$6.00, 10 for \$12.50.

Viola Odorata

Fragrant bloom all spring. Hardy, easily grown. Any one kind. 3 for \$2.50, 10 for \$5.25.

Royal Blue—large, deep blue.



Christmas Rose

Hardy PHLOX

Decussata (Summer Phlox)

July to October. Space 10 inches, sun, drained, fertilized. Never water foliage. Any one fine new kind: 3 for \$2.75, 10 for \$5.90.

Daily Sketch—Very large salmon-pink florets with crimson eye.

Leo Schlagter — Orange scarlet florets in very large trusses, very popular.

Lillian—Beautiful pure pink without magenta. Good panicles of large florets. Healthy growth.

Orange Beauty—Brilliant.

Spitfire—Scarlet-orange tone.

Mary Louise — Pure white, extra large flowers.

Dresden China—Soft pink.

Morgenrood—Big bright red.

Purple Heart—Blue and purple.

World Peace—Pure white.

Phlox stolonifera

Blue Ridge variety. A nice creeping plant sends up 3-inch heads of clear blue in June.

3 for \$2.75, 10 for \$5.90

Suffruticosa (Early Phlox)

Sun, drain, space 10 inches.

Miss Lingard — The best early white known. June to October.

3 for \$2.75, 10 for \$5.90

Subulata (Moss Pink)

A low spreading mat for full sun in drained soil. Bloom April and May. Any one kind—

3 for \$2.25, 10 for \$5.00

Crimson King—Showy red.

Vivid—Attractive pink, red eye.

Alba—Pure white.

MODERN BEARDED IRIS

Huge, several flowers to a stem. Nothing at all like old-fashioned German Iris of fifteen years ago. Here are 24 considered among the top quality, now available at \$1 or less. (Sun, drain).

Blue Shimmer — Creamy white edged and dappled blue. \$.70.

Great Lakes — Pure blue, lighter beard. Grand. \$.70.

Lady Mohr — Oyster white and chartreuse. Impressive. \$.80.

Amandine—Wide, cream. \$.95.

Chivalry—Famous blue. \$.95.

Cloud Castle—Exquisite pale wisteria blue. \$.85.

Blue Rhythm — Huge cornflower blue. 1950 Dykes Medal. \$.75.

Desert Song — Large, ruffled cream. New. Outstanding. \$.95.

Dream Castle—A lovely, pure, orchid pink. Perfection. \$.95.

Helen Magregor—Clear, pale blue. Large, ruffled. \$.95.

Ola Kala—Deep yellow, ruffled. Striking in landscape. \$.75.

Snow Flurry—Blue-white; icy and perfectly formed. \$.90.

Lady Boscawen — New ruffled white, light yellow beard. \$.80.

Minnie Colquitt — Massive white plicata, ruffled flower. \$.80.

New Snow—Ruffled white, very pure. Bright yellow beard. \$.95.

Pink Cameo—New flamingo pink (no violet). Tangerine beard. \$.85.

Ranger — Almost crimson. Large flower, broad flaring falls. \$.95.

Rocket — Pure deep gold and orange. Ideal form. \$.80.

Sable — Almost black, dark blue beard. Large, tall. \$.90.

Three Oaks—Old rose and pink. Nice blend. Tall. \$.90.

Vatican Purple — Silky, bright blue-purple, heavy texture. \$.80.



LILIES

Drained soil, part shade, but some sun needed. Set bulbs 4 to 6 inches deep. Fertilize.

Regal — 5 ft. July. Sunny. Pink, white, yellow blend, fragrant. 2 for \$1.35, 8 for \$3.75.

Speciosum rubrum—3 ft. August. Rose-pink dotted crimson. Fragrant. 3 for \$3.50 postpaid.

Canadense — 2 ft. June. Orange. Prefers sunny, damp site. 5 for \$2.20 postpaid.

Philadelphicum — 2 ft. July. Orange-cup Lily. Showy. 5 for \$2.20 postpaid.

Superbum—5 ft. July. Turks-cap Lily. White, spotted red. 5 for \$2.20 postpaid.

Auratum—4 ft. July-August. Gold band on white, flashed with ruby. 3 for \$5.00.

JAPANESE IRIS — 2 ft. Moist, part shade, fertilize. Huge flowers in July. Any one kind: 3 for \$3.20.

Cherry River—White, pink edge.

Condor—Deep blue.

Crimson King—Big velvety double red.

Mahogany—Red, brownish.

Albatross—Large pure white.



Tree Peonies - \$6⁷⁵ each postpaid.

Because of their novelty and great beauty, Tree Peonies are rapidly becoming one of the most desired plants. They bloom earlier than ordinary Peonies and their flowers are of immense size. These plants are established in 5-inch pots and can be moved safely at any time.

Reine Elizabeth—Brilliant salmon-rose. Double.

Souv. de Ducher — Red-violet, silvery, double.

Argosy—Bright yellow.

La Lorraine — Yellow and salmon.

Aurore — Copper terracotta.

Flora—Pure white.

Wild Flowers

Success with wild flowers is simply a matter of putting them in the soil, exposure and general climate to which they are accustomed. It is important to arrange gardens where associated plants are grouped, rather than try to make artificial differences of soil in the same bed. Coddling is apt to do more harm than good.

Lady-Slippers, Trillium, Blood-root, Jack-in-Pulpit, Blue-Bells, and early spring bloomers can be shipped only in fall.

Columbine

Aquilegia canadensis — 2 ft. Red and yellow in late spring. Well-drained, sun or part shade. 5 for \$1.95 postpaid.

Butterflyweed

Asclepias tuberosa — 18 inch. Orange in June-July. Sunny, well-drained. 3 for \$2.25, (10 \$4.75) postpaid.

Poppy Mallow

Callirhoe involucrata — Prostrate, trailing plant. Large rosy crimson flowers all summer and early fall. Dry, sunny. 3 for \$2.25, (10 \$4.75)

White Bugbane

Cimifuga racemosa—4 ft. Spikes of white, July-August. Stands shade. 5 for \$2.20 postpaid.

Plumy Bleeding-heart

Dicentra eximia — 12 inch. Rose pink throughout summer. Handsome cut foliage. Sun or shade. 3 for \$3.00, (10 for \$6.50) postpaid.

Shooting Star

Dodecatheon media — 12 inch. Pink, April to May. Rosettes of large green leaves. Light moist soil, some shade. 5 for \$2.25 postpaid.

Cardinal Flower

Lobelia cardinalis — 4 ft. Tall spikes of most brilliant scarlet in August. Rich, moist soil. 5 for \$1.95 postpaid.

Liverleaf Hepatica

Hepatica triloba—6 inch. Flowers vary from pink to blue-white, early spring. Acid, shade. 5 for \$2.25 postpaid.

Evening Primrose

Oenothera missouriensis — Dwarf, covered with yellow blooms all summer. 3 for \$2.25, (10 \$5.00).

Carolina Lupine

Thermopsis caroliniana — 3 feet. Spikes of yellow pea-flowers in June-July. 3 for \$2.25, (10 \$5.00).

Blind Gentian

Gentiana Andrewsii — 12 inch. Bright blue, large flowers in clusters, August-September, that never open. Handsome, rare, moist soil. 5 for \$1.95 postpaid.

Coral Bells

Native to the West and South-West, handsome low leaves, with tall panicles of bloom nearly all summer. Ordinary soil. Any one kind, 3 for \$2.50, (10 \$5.50).

Heuchera brizoides (*lithophila*)—2 ft., pale rose pink. Strong grower. —*sanguinea* — 15 inch. Bright coral.

Native Phlox

Phlox divaricata — masses of lavender blue, April to June. 10 inch. 3 for \$2.75, (10 for \$6.00). —*Amoena*—purple all spring. 12 inch. 3 for \$2.25, (10 \$5.00).

Blazing Star

Liatris pycnotachya — 5 ft. Tall spikes of rich purple in August-September. Unusual and attractive. Well-drained soil. 3 for \$2.20, (10 \$4.75).

Wild Iris

Iris cristata (crested) — 8 inch blue, creeping. 5 for \$2.20. *Iris versicolor* (Blueflag) — 2 ft. blue. Marshes or damp soil. 5 for \$2.20 (100 for \$20.00).

Great Solomons Seal

Polygonatum commutatum — 30 inches. White flowers in May. Handsome leaf. Peat, light shade. 5 for \$2.20 postpaid.

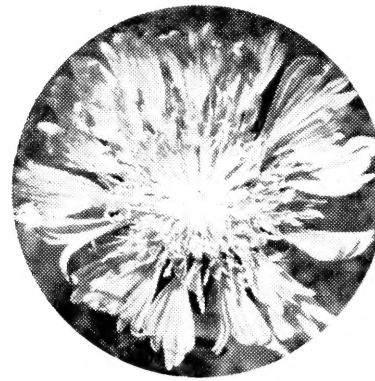
40 POPULAR PERENNIALS

3 for \$2.15 (10 of any one kind \$4.75 ppd.)

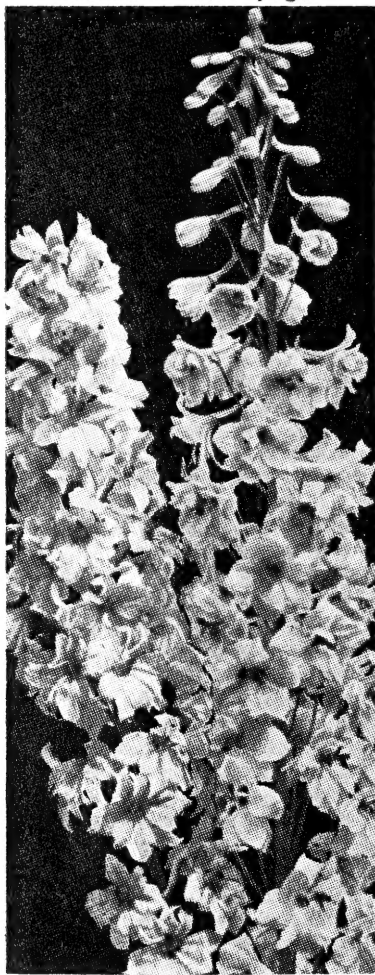
(Space) (Ht.) (bloom)



Phlox—See page 59



Stokesia—Next page



Delphinium

AJUGA reptans (Bugle), low mat blue	9" 5" May-Jun
ALYSSUM saxatile compactum , yellow	9" 12" Apr-May
AMSONIA montana , blue	12" 24" May
ANCHUSA dropmore , blue	8" 48" Jun-Aug
ARMERIA (Thrift) lauchiana , rosy — juncea alba , white	9" 6" May-Jun 9" 6" May-Jun
ARTEMESIA Stelleriana , yellow with large white leaves	12" 18" Aug
BOLTONIA latisquana , white	18" 50" Sep
CAMPANULA carpatica , blue	9" 66" Jun-Sep
CENTAUREA montana (Cornflower), blue	12" 24" Jun-Sep
— macrocephala , yellow	18" 48" Jul
— dealbata , rosy-lilac	18" 40" Jul
CERASTIUM tomentosum (Snow-in- Summer) Woolly gray leaf, white	12" 6" Jun
DIANTHUS—plumarius (Pinks), mixed	12" 15" May-Jun
ECHINOPS ritro (Globe Thistle), blue	24" 24" July
EUPHORBIA myrsinites , yellow ...	12" 9" July-Aug
GAILLARDIA Hybrids , red to yellow	12" 18" Jun-Oct
HIBISCUS (Giant Mallows), mixed .	36" 60" Jul-Sep
LIATRIS elegans , white spikes ...	12" 48" Aug
— scariosa , purple clusters	18" 60" Aug
LINUM Norbonense (Flax), blue ...	12" 24" Jun-Aug
— flavum , yellow clusters	9" 9" Jun-Aug
LYCHNIS chalcedonica , scarlet	12" 30" Jun-Aug
LYSIMACHEA vulgaris , wet soil, yellow	18" 36" Jul-Aug
MALVA alcea , pink to white	24" 24" Jul-Aug
NEPETA mussini (Groundivy), lavender	8" 12" May-Sep
PENSTEMON (Barbatus), pink	12" 40" Jul-Aug
— grandiflorum , lavender	18" 60" Jul-Aug
— confertus , yellow	12" 24" July
PLATYCODON (Balloon Flower) — Japanese , dbl, deep blue	12" 12" May-Oct
— mariesi alba , white	12" 12" May-Oct
POTENTILLA delphinensis , gold mounds	6" 8" May
— Warrensi , golden clusters.....	12" 18" July
SAPONARIA ocymoides , trailing, pink	6" 6" May-Jul
SEDUM—Dragon's Blood , d. red leaf	6" 6" Aug-Sep
— Reflexum , yellow. Evergreen	6" 6" July
SILENE Schafta , rose-pink	6" 4" Aug-Sep
— maritima , white	12" 12" July
— Fortunei , rose	12" 36" Sep
VALERIANA coccinea , rose	9" 12" Jun-Jul

ANY ONE KIND ON THIS PAGE PRICED:
3 for \$2.65 (10 of any one kind \$5.75 ppd.)

50 CHOICE PERENNIALS

	(Space)	(Ht.)	(bloom)
ACHILLEA <i>Angels Breath</i> , white	12"	18"	Jun-Aug
— <i>tomentosa</i> (Woolly Yarrow), yellow	12"	18"	Jun-Sep
— <i>Tagetta</i> , pale yellow	9"	5"	Jun-Sep
ANEMONE			
— <i>japonica</i> <i>Queen Charlotte</i> , dbl. pink	15"	30"	Sep-Oct
— <i>pulsatilla</i> (Pasque flower), purple	9"	12"	April
AQUILEGIA (Columbine)			
— <i>Chrysantha</i> , gold	10"	24"	May-Jun
— <i>Long-spurred Hybrids</i> , mixed	10"	30"	May-Jun
ARENARIA <i>montana</i> , white	3"	8"	April
ASTER <i>alpinus</i> , dwarf blue	6"	9"	May
BELAMCANDA <i>hybrids</i> (Blackberry-lily) Handsome seeds. Bloom red to yellow	24"	45"	Jul-Aug
CAMPANULA <i>gargancia</i> , blue, trails	9"	4"	Jun-Sep
— <i>rotundifolia</i> (Blue-bells), blue	9"	12"	Jun-Aug
DELPHINIUM <i>belladonna</i> , azure blue	18"	36"	Jun-Sep
DORONICUM <i>caucasicum</i> , yellow	9"	24"	May-Jun
GERANIUM <i>sanguineum</i> , red	12"	12"	Jun-Jul
GEUM — <i>Mrs. Bradshaw</i> , dbl. red	12"	18"	June
— <i>Lady Stratheden</i> , yellow	12"	18"	June
GLOBULARIA <i>cordifolia</i> , blue	9"	9"	July
HELIANTHUS <i>Ludden Gold</i> (Perennial Sunflower), yellow, sun	36"	50"	Aug-Sep
HELIOPSIS <i>zinnaeflora</i> , yellow	30"	30"	July-Sep
IBERIS <i>sempervirens</i> (Candytuft), white	6"	6"	May
— <i>Little Gem</i> , compact, neat	6"	6"	May
— <i>Snowflake</i> , large white, compact	6"	6"	May

	(Space)	(Ht.)	(bloom)
INCARVILLEA (Hardy gloxinea) — <i>brevipes</i> , bright crimson	12"	18"	Jun-Aug
LYCHINIS <i>viscaria</i> , rose-pink	9"	10"	May-Jul
PHYSOSTEGIA <i>virginica</i> <i>Vivid</i> , pink	12"	15"	July-Oct
— <i>alba</i> , white form	12"	15"	July-Oct
PYRETHRUM <i>ros.</i> (Painted Daisy), mixed	15"	24"	May-Aug
PLUMBAGO <i>larpentae</i> (Leadwort, blue	12"	6"	Sep-Oct
PRIMULA <i>Colossae</i> , mixed colors	12"	9"	Apr-May
RUDEBECKIA — <i>The King</i> , deep crimson	12"	36"	Jun-Sep
SALVIA <i>Pitcheri</i> (Sage), clear blue	24"	36"	Aug-Sep
— <i>Pratensis</i> , deep blue	18"	24"	July
SCABIOSA <i>caucasica</i> , blue	12"	18"	Jun-Sep
STATICE <i>latifolia</i> (Sea Lavender)	9"	15"	Jul-Aug
STOKESIA <i>Laevis</i> , insect-free, blue	12"	18"	Jun-Nov
THALICTRUM <i>glaucum</i> (Meadowrue) yellow	12"	24"	Jun-Jul
TRITOMA <i>pfitzeri</i> , "Glow", coral-red	12"	30"	Aug-Oct
— <i>White Fairy</i> , white	12"	36"	Jul-Sep
VERONICA <i>incana</i> (Speedwell), blue	6"	12"	Jul-Aug
— <i>rupestris</i> , bright blue, mat	9"	6"	May-Jun
— <i>holophylla</i> , blue	12"	14"	Jul-Sep
— <i>spicata</i> , bright blue	6"	9"	Jul-Sep

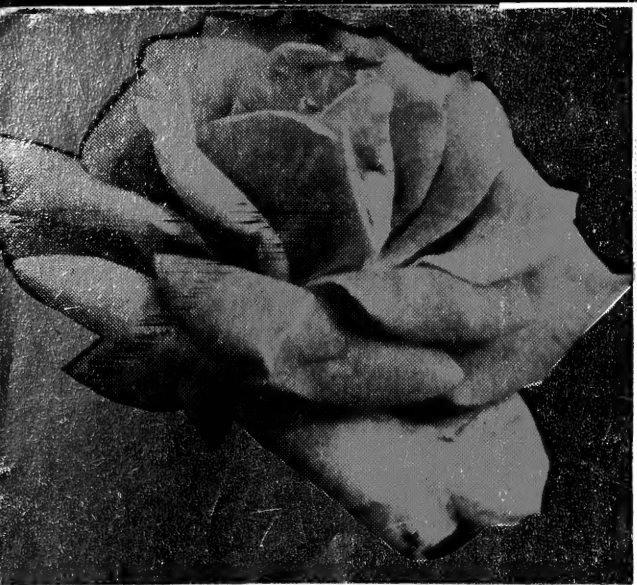
Save Labor

PERENNIALS THAT TAKE CARE OF THEMSELVES

	O = Bloom				
	early	May	June	Summer	Autumn
ASCLEPIAS <i>tuberosa</i>					
ACHILLEA <i>ptarmica</i>					
ASTER <i>frikarti</i>					
BAPTISIA <i>australis</i>					
CAMPANULA <i>medium</i>					
... <i>rotundifol.</i>					
CORONILLA <i>cappod.</i>					
COREOPSIS (var.)					
CIMIFUGA <i>racemosa</i>					
DICENTRA (varieties)					
CYPRIPEDIUM (var.)					
IRIS <i>versicolor</i>					
... <i>pseudacorus</i>					
HEMEROCALLIS (var.)					
LIATRIS <i>scariosa</i>					
LILIUM (most vars.)					
LOBELIA <i>cardinalis</i>					
LYTHRUM <i>virgatum</i>					
MERTENSIA <i>virginica</i>					
MYOSOTIS <i>semper.</i>					
NEPETA <i>mussini</i>					
PEONIES (most)					
PENSTEMON <i>barbatus</i>					
PHLOX <i>subulata</i>					
... <i>divaricata</i>					
THALICTRUM (var.)					
THERMOPSIS <i>carol.</i>					
THYMUS <i>serpyllum</i>					
TRADESCANTIA (var.)					
TRILLIUM (all)					



SHADE PERENNIAL BORDER—Some showy yet labor-saving plants for such a position are:—Beardless Iris, Day-Lily, Lilies, Liatris, Lythrum, Mertensia, Tradescantia, Aquilegia, Digitalis, Lady-Slippers, Campanula carpatica and Astilbe Fanal.



BROWNELL } GUARANTEED TO BLOOM
SUB-ZERO }

ROSES

EACH: \$2.25 All
3 FOR \$6.25 prices
DOZEN: \$22.00 prepaid

The result of two decades of research, this new race of roses adds to unusual hardiness a character of improving with age, rather than slowly deteriorating as most hybrid teas do. They are exceptionally easy to grow and bring into bloom. Disease-resistant, unusually hardy.

HARDINESS: About Zone IV, but roots will survive still colder climates. Even if tops damaged, new growth will be ready to bloom by rose time.

Grandiflora Roses

This class, like Floribundas but with vigor and blooms like Hybrid Teas, is now made to order to fit these favorite Brownell varieties. Bloom all summer long.

★ **Pink Princess.** Bud red, flower deep pink. Free from premature defoliation.

Anne Vanderbilt. Exquisite coppery orange, red, informal, semi-double, fragrant.

★ **Lafter.** Sparkling orange and yellow, semi-double.

Lily Pons. Cream, large. Vigorous, free

Curly Pink. Clusters of large two-toned pink all summer. Vigor, health, and constancy.

★ **Dolly Darling.** Pink, sunset and rose blend. Extra vigor and health.

4 Brownell Floribundas

Everblooming, hardy, bushy clumps.

★ **Pink Bouquet.** Vigorous double pink.

Tomkins Red. Semi-double, velvet red.

★ **Orange Ruffels.** Glowing, soft luminous. Steady bloomer all summer. Large.

★ **Yellow Ruffels.** Similar, but a good nonfading yellow.

3 Brownell Creepers (June)

For ground cover on walls, on fences.

Brownell Rambler. A large clear yellow. Bushy.

Apricot Glow. Coppery pink, brilliant. Double flowers.

Golden Glow. The spectrum yellow, very fragrant.

3 Brownell Climbers (June)

Elegance. Very large, perfect blooms. White with shaded yellow center. Grand show.

Golden Climber (Mrs. A. C. James). Best yellow climber. Fragrant, ideal for cutting.

Copper Glow. Deep coppery orange. Delightful spicy fragrance. Sensational color.

EVERBLOOMING PILLAR ROSES

This new race is really revolutionary. A combination of HT's and ordinary climbers never before obtained. Beautiful large HT blooms all summer. Sub-zero hardiness. Bloom at ends of all stems the same year they grow. Red, pink, apricot, yellow, white in various shades. Not yet named, sold only our selection of colors (one each color) 3 for \$10. 6 for \$20. If only one desired, price is \$4 each.

They grow sturdy like climbers, but not so high. May be kept cut back as giant bush form Hybrid Teas, or as specimen self-supported bushes 5 to 8 feet tall—something that only tropical gardens hitherto have been able to show.

Brownell Hybrid Teas

Shades of Autumn. Red and yellow.

Tip Toes. Spicy fragrance. Orange and pink blend. New.

Dick Wilcox. Deep red, magnificent vigor and size. New.

V for Victory. Large, double, yellow, fragrant, profuse.

Country Doctor. Large, recurved silvery pink satin.

Sun Up. Rich, clear china-rose.

Cedric Adams. Scarlet and crimson, large and double.

★ **Red Duchess.** Robust sturdy large red. Outstanding fragrance. Brilliant, free to flower.

Queen o' the Lakes. Sensational large crimson. New.



Everblooming pillars can be grown as climbers, or as large bushes.

★ No More Black Spot!

Absolute resistance to this dread disease has been bred into seven of these roses:



- Pink Bouquet
- Yellow Ruffels
- Dolly Darling
- Red Duchess
- Pink Princess
- Orange Ruffels
- Lafter

One each—7 kinds
\$14.50 postpaid

TREE ROSES Sub-zero hardy hybrid tea roses grafted on 42-inch stems (total "tree" about 5 feet) and available in any of 5 colors: **Red, Pink, Orange, Yellow, White.** State which colors you want on these garden sensations. Price **\$9.75** each.