

*Alpines, Woodland &
Rock Garden Plants*
October, 2005

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Catalog Illustrations by Debbie Barlow
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Welcome to our catalog!

Beaver Creek Greenhouses is a family owned specialty nursery located in the Selkirk Range of Southeastern British Columbia where, for the past fifteen years we have been growing a wide range of perennial plants. During the last five or so years we have narrowed our focus to concentrate on dwarf hardy plants suitable for growing in rock gardens and containers. Many of these plants are alpiners - that is, low-growing perennials that grow near or above treeline in mountainous regions around the world. Others are dwarf plants adapted to the harsh climatic conditions found in the high steppes & drylands of the American West, Turkey & Central Asia. These wonderful compact hardy plants come in a dazzling array of foliage colors & types and many display rather large blooms, often quite out of proportion considering the small size of the plants. The foliage of many is also more or less evergreen. This is an important consideration as the foliage of garden plants is on display all year round (unless of course under snow!) while blooms are often fleeting. Few other groups of plants show such a rich diversity of foliage color, texture, shape and arrangement. The culture of alpiners and rock garden plants has something to offer to all levels of gardeners, from easy to grow vigorous carpet plants smothered under brilliant springtime blooms to the choicest high alpine species that can challenge the skill of even the finest 'green thumb'.

We hope you will enjoy browsing through the listings that follow and that you find within some miniature plant gems to enhance your garden!

Roger & Debbie Barlow

About our plants: all the plants we sell are grown here on our nursery. These plants are propagated by means of seed, cuttings & divisions from the large collection of stock plants maintained here at the nursery. In addition, we travel the West each summer collecting seed of native alpine and dryland plants for growing on at the nursery. Additional seed comes from exchanges with fellow nurserymen and seed collectors all over the world. Most of our mail order plants are propagated, over-wintered & shipped in 2 ¼" square x 3 ¼" deep 'rose' pots, a production method that ensures undisturbed root systems and plants ready to set out in the garden with a minimum of aftercare. The majority will be one year old though some slower growing items will be in their second year. Plants of especially fast-growing species may be less than one year old. All will be vigorous, well-rooted and ready to plant.

Website & E-mail updates: while this catalog contains all the plants that were available for shipping at the time of printing, many additional varieties do become available throughout the year. These we list in periodic updates to our website & e-mail catalogs, if you would like to receive these revised listings by e-mail please send your e-mail address and you will be placed on our automatic update list.

Seedlist: we also produce a catalog listing seed of many alpine, woodland & rock garden plants. E-mail version is free on request to bvcreek@netidea.com or access the current seedlist on our website: www.rockgardenplants.com

About the nursery: all our plants are sold by mail order only.

We are sorry but due to limited space and staff, the nursery is not open for tours or on-site shopping.

We thank you for your understanding!

Terms of Sale (Please read before ordering!)

Minimum plant order is \$50.00 plus shipping & taxes.

Plants shipped to Canada & US only.

Payment must be received before orders are shipped - we accept money orders & cheques; no COD orders please. Orders can be placed by mail or email - addresses on cover & order form. Sorry but as we are a small nursery with limited staff, we cannot take orders by phone.

US Orders - all catalog prices in US funds; we pay all required phyto, inspection & brokerage fees then personally deliver plants to Northport, Wa for shipping via US carriers.

SUBSTITUTIONS: as we grow several thousand varieties, many items are available in limited quantities. To prevent delays and save on postage, **we request your permission to ship substitutes for out of stock items.** When permitted to do so, we will always provide items of equal or greater value to those originally ordered. **Please include a list of acceptable substitutes** with your order especially if you are ordering from the supplemental 'short supply' plant list that sometimes follows the main listings. If you would prefer not to have substitutes, we understand & will gladly issue a **refund** instead.

WARRANTY: your plants are carefully chosen and packed and are guaranteed to arrive in good condition - if they do not, please notify us within 5 days of receipt and replacement plants will be supplied. Such replacements will be made once only and are subject to a \$5.00 fee to help defray the extra shipping and handling expenses. We reserve the right to substitute for out of stock replacement plants. As we have no control over planting sites, cultural practices or climatic conditions - we can accept no responsibility for losses other than those incurred during shipment and reported to us within 5 days of arrival.

SHIPPING & HANDLING CHARGES:

Canadian Orders: all plant shipments sent via Canada Post 'XpressPost'
Shipments to Western Canada (Saskatchewan & west)
15% of order total (excluding taxes) - \$15.00 minimum S&H charge
Shipments to Eastern Canada (Manitoba & east)
30% of order total (excluding taxes) - \$30.00 minimum S&H charge

US Orders: all plant shipments sent via US Priority Mail from Northport, WA
Shipments to WA, OR, CA, ID, MT, WY, UT, NV, NM, AZ, CO, AK
15% of order total - \$15.00 minimum S&H charge, US funds
Shipments to elsewhere in the United States
20% of order total - \$20.00 minimum S&H charge, US funds

Seed orders (any size) to: Canada & US - \$2.00 Overseas - \$3.00

Shipping Order - orders are processed in the same sequence as received. We recommend early ordering - by doing so, you will ensure earliest delivery with fewest substitutions. If there is a period during which you **cannot** accept delivery **or** during which you would most **prefer** delivery, please indicate this date on the order form. We will try our best to accommodate your schedule but we cannot guarantee delivery on a specific date.

When your Shipment Arrives

Unpacking Shipments - it is very important to unpack all plants immediately upon arrival! Plants are packed in layers - make sure you check the entire carton. Most plants shipped in pots will have packing material wrapped around the crown; remove & discard this material & check soil moisture, watering any plants that are found to be dry. Place potted plants in a shady, protected area and water as required until you are ready to plant. Plants fresh from shipment are very sensitive to direct sun and drying winds, do make sure to protect newly unpacked plants from both! A few varieties may arrive as bare-root divisions, such plants should be transplanted as soon as possible. If these need to be held over, set plants temporarily in a bed of damp sand or moist peat moss in a shaded location and keep well watered. In general, we recommend planting out as soon as possible since potted or heeled-in plants require substantial care and attention.

Aftercare - after transplanting either type of plant, water in well and provide with light shade protection for up to a week depending on weather conditions. Most of our alpine and rock garden plants are grown with a layer of stone chips on the soil surface. This mulch serves to reduce weed growth but also ensures quick drainage around the crown of the plant thus reducing stem rots. After transplanting your plants into their permanent sites, we highly recommend you replace this surface mulch with a similar layer of stone chips, pea gravel, etc. While some varieties will bloom the first season, normal bloom size, color & timing should not be expected until the following year.

For More Information:

Alpine and Rock Gardening Clubs: joining one or more of the following organizations is a wonderful way to increase your knowledge and pleasure in growing alpine and rock garden plants. Dues are reasonable and there are many benefits including informative bulletins, meetings, plant shows/sales and participation in seed exchanges.

Alpine Garden Club of British Columbia
c/o Moya Drummond
3307 West 6th Ave.
Vancouver, BC V6R 1T2
moyadrummond@shaw.ca

Calgary Rock and Alpine Garden Society
c/o Sheila Paulson
6960 Leaside Dr. SW
Calgary, Alberta T3E 6H5
copsep@shaw.ca

Ontario Rock Garden Society
c/o Andrew Osyany
Box 146
Shelburne, Ontario
L0N 1S0

North American Rock Garden Society
PO Box 67
Millwood, NY
10546

Quebec Alpine & Rock Garden Society
Botanical Garden of Montreal
4101 Sherbrooke St. E.
Montreal, Quebec
H1X 2B2

Alpine-L
The on-line alpine garden discussion group
For further information log on to:
www.thealpinegarden.com/alpine-l.htm

Key to Catalog Codes

Inventory numbers of each variety are followed by the botanical name with the genus initialized to save space. When ordering, it is very helpful if you include **both** the inventory number and plant name – many thanks.

Height x width measurements indicate the approximate mature size of the plant. These may vary considerably depending on growing conditions, climate zones and are intended as a general guide only. The height measurement generally includes that of flower stems - with many plants, the bulk of foliage will be well below this, a consideration to bear in mind when designing combinations with plants of varying heights.

Climate zone numbers refer to the coldest zone in which the plant will reliably winter over planted outside without protection. Plant hardiness ratings undergo constant revision and should be used as a general guide only. Many factors enter into a plant's ability to withstand cold temperatures - soil drainage, snow cover, autumn weather, shelter from wind, microclimates - all these have some influence on hardiness. The adjacent chart defines climate zones according to the average lowest temperature reached in winter. While this is a good starting point for selecting suitable plants, it should be further refined by consulting experienced local gardeners and by taking into consideration the individual growing conditions unique to your site. In recent years, many gardeners have begun using containers to grow many specialty plants. In this way, plants can be moved into protected conditions for winter allowing a much wider range of plants to be grown than would be possible if planted directly outside.

USDA Hardiness Zone	Lowest Winter Temperature
1	below -45°C
2	-45 to -40
3	-40 to -34
4	-34 to -29
5	-29 to -23
6	-23 to -17
7	-17 to -12
8	-12 to -7
9	-7 to -1

Sun Exposure symbols indicate the plant's preferred location in terms of sun or shade. These exposure recommendations are based on moderate continental climate zones & may well require adjustment if you live in a warmer, drier climate like the American/Canadian West where many plants marked as preferring full sun may do better in light shade or if you live in a mild coastal region where additional cloud cover & greater humidity means that plants marked here as preferring part shade may actually grow better in full sun.

○ - prefers or will tolerate a location in full sun

◐ - prefers half-day or filtered sunlight

● - prefers or will tolerate light shade all day & may tolerate dense shade (refer to individual descriptions)

Origin indicates the area of the world that each plant is originally from. This can be of much more than academic interest as knowing the area of origin can give the gardener valuable clues as to suitable growing conditions and potential hardiness. Plants marked as being of *garden origin* were selected or bred from cultivated plants rather than being introduced directly from the wild.

Plant Listings

ACIPHYLLA - *Spainard, Spear-grass*

Apiaceae Family

11038 A. monroi 4" x 6" Zone 6? ○ ● *New Zealand* **\$5.00**

Small tufts of sharp-tipped palm-like leaf clusters arising from a swollen base; short stiff stems bear compact clustered blooms of pale yellow in spring/early summer; a distinctive little alpine for its foliage effect & can be quite showy in bloom; like many of its kindred species, prefers a coolish site with peaty sandy soil; from wild seed - Mt. Sarkey, South Island, New Zealand.

11051 A. montana 4" x 6" Zone 6? ○ ● *New Zealand* **\$5.00**

Another miniature Aciphylla from high elevation on New Zealand's South Island; compact tufts of slender leathery leaves with sharp tips; small clusters of yellow are borne in well-spaced spikes up the stiff stems; seldom on offer & our first listing of this little sweetheart.

AETHIONEMA - *Stone Cress*

Brassicaceae Family

03503 A. armenum 4" x 6" Zone 3 ○ ● *Armenia, Caucasus* **\$5.00**

Low semi-woody bushlet with short stems bearing tiny blue needle-like leaves & small heads of bright pink blooms spring into summer; grown in suitably austere growing conditions, it will keep a neat compact habit - tighter than most others in this useful genus.

06216 A. glaucescens 3" x 6" Zone 3 ○ ● *Turkey* **\$5.00**

Distinctive low shrublets with bright blue needle-like foliage; racemes of pink blooms for weeks in late spring-early summer; full sun/sharp drainage & loves lime.

07621 A. membranaceum 4" x 6" Zone 3 ○ ● *Turkey* **\$5.00**

Unfortunately, the seed collector's complete description consists of 'compact plant'; as grown here though, has formed rather delicate low twiggy mounds of slim purple stems & fleshy blue-green foliage topped with small clusters of pink blooms; E.Anatolia, Turkey.

12916 A. schistosum 6" x 8" Zone 3 ○ ● *Turkey* **\$5.00**

Bushy purple-stemmed shrublet clothed in slim blue leaves & showy clusters of bright pink bloom through spring-early summer; lovely free-blooming plant for full sun & sharp drainage, also a fine tufa plant.

AGAVE -

Agavaceae Family

14164 A. toumeyii ssp. bella 4" x 8" Zone 7 ○ *Arizona* **\$6.00**

Particularly attractive dwarf species of Agave with rosettes of low arching blue-grey leaves deeply toothed along the margins; native to crevices on rocky cliffs, Gila Co, Arizona.

12391 A. utahensis v. eborispina 8" x 12" Zone 7 ○ *Nevada* **\$6.00**

A small species of Agave native to the Southwestern US, this subspecies is found on a few mountain ranges in Southern Nevada; it forms compact rounded rosettes of blue leathery foliage with coarse ivory-colored teeth & a long terminal spine; after a substantial number of years, soaring slender but stiff flower stems can rise to 3' or more in height & bear yellow funnel-shaped blooms in late spring/early summer; from wild seed - 4000' elevation, Clark Co, Nevada.

ALSTROEMERIA - *Peruvian Lily*

Liliaceae Family

13009 A. revoluta F&W 10747 8" x 6" Zone 7? ○ *Chile* **\$6.00**

A small form of the species from the southern portion of its range in Chile; tufts of slender upright leaves arise from the fleshy rhizomes in early spring; these shoots die

away in late spring to be replaced by short upright fertile shoots bearing tight terminal clusters of pink blooms banded with yellow & speckled with red; from sandy sites in Chile's southern volcanic lowlands.

ALYSSUM - *Madwort, Basket of Gold*

Brassicaceae Family

14894 A. bornmuelleri 2" x 6" Zone 3 ○ *Turkey* **\$5.00**

One of the smallest of all perennial Alyssum, this dwarf soft silver-grey cushion supports a wealth of bright yellow bi-lobed blooms in early spring; easy to grow & long-lived if provided with the sharp drainage & rather poorish soil it is accustomed to in nature.

ANACYCLUS -

Asteraceae Family

00696 A. depressus 4" x 12" Zone 5 ○ *Moroccan Atlas* **\$5.00**

The low cushions are a soft grey filigree with finely divided hairy leaves borne on short spreading stems that arise from a central woody rootstalk; in late spring & on into summer, striking rose-red buds pop open to reveal large up-facing white daisies; these continue for weeks; a confirmed sunlover that thrives in sharply-drained sites not too rich in nutrients; a good plant for larger troughs or sand bed.

ANDROSACE - *Rock Jasmine*

Primulaceae Family

01631 A. jacquemontii 2" x 8" Zone 3 ○ ● *Himalaya* **\$5.00**

Sometimes still listed as a variety of *A. villosa*, this variant is now generally considered sufficiently distinct to warrant species status; a vigorous grower, it produces wooly rosettes that form low spreading cushions via many short red stolons; deep purple-pink blooms are borne in spring with a smattering of rebloom continuing on into early summer; whether you accept the new name or prefer the old, this plant remains a splendid subject for every rock garden.

00321 A. lanuginosa 3" x 12" Zone 3 ○ ● *Himalaya* **\$5.00**

Another Himalayan Rock Jasmine that should grace every rock garden; long silvery-green shoots spread into a low silky mat ideal to spill over & down the face of rockwork; dozens of short stiff stems arise in late spring/early summer & bear clustered bright pink fragrant blooms; easy, reliable and bone hardy.

09574 A. strigillosa JL 260601 3" x 4" Zone 3 ○ ● *Nepal* **\$6.00**

A robust species of Rock Jasmine from the Marsyandi Valley in Nepal; in its summer growth phase, it forms clumps of robust upright & spreading leaves; in winter, the plant shrinks back to a tight globular resting bud of tightly imbricate small hairy leaves surrounded by a ruff of the past season's spent foliage; in spring, tall stems arise bearing loose umbels of white bloom; while not seen as often as its close relatives, *A. sarmentosa* & *studiosorum*, it is quite easy to grow & usually produces a good crop of fertile seed which readily sprouts if allowed to drop around the parent plant.

00859 A. studiosorum 'Chumbyi' 2" x 6" Zone 3 ○ ● *N Himalaya* **\$5.00**

A vigorous selection with spidery strawberry-like stems tipped with rosettes of grey-green leaves; clusters of fragrant deep pink blooms are golden-eyed; the foliage rosettes curl into tight balls & become densely coated with sparkling silver hairs in winter; a splendid alpine that should be in every rock garden.

15203 A. villosa 2" x 6" Zone 3 ○ ● *S Europe* **\$6.00**

A choice form of a variable species featuring small rounded rosettes densely swathed with long silken hairs; in cold weather, the foliage appears quite silver due to the density of this wooly coating; main flush of bloom begins in early spring followed by several smaller intermittent bursts of bloom extending into early summer; the white flowers are centred by a distinctive yellow eye which turns pink upon fertilization, best of all, this lovely pink tone often spreads to infuse the entire aging bloom with a soft rosy glow; easy to grow & well suited to trough, tufa or raised bed.

08454 A. villosa v. taurica 2" x 6" Zone 3 ○ ● *Crimea* **\$6.00**
Distinctive form of this popular species; in this variant, the leaves are quite slender & sharply pointed giving an almost Saxifraga-like appearance to the rosettes; clustered white blooms feature a red eye on pollination - as the flowers age, this rich stain can spread & suffuse the entire bloom.

ANEMONE - Windflower **Ranunculaceae Family**
13827 A. rivularis CC4588 16" x 18" Zone 4 ● ● *Himalaya* **\$5.00**
Vigorous windflower with large white blooms painted purple blue on the backside of the petals; from semi-shaded sites on the verges of forest clearings in Nepal.

ANTENNARIA - Pussy-Toes **Asteraceae Family**
03640 A. dioica 'Nyewood' 3" x 12" Zone 3 ○ ● *Garden selection* **\$5.00**
Low mats of matte green foliage, each leaf margin decoratively trimmed with silver hairs; bright pink pom-poms of bloom arise in late spring & continue into early summer; easy to grow, spreads quickly & always maintains its neat & tidy appearance - a fine all round rock garden plant & in terms of showy bloom, the best of its genus.

ANTIRRHINUM - Hardy Snapdragon **Scrophulariaceae Family**
13491 A. pulverulentum 3" x 12" Zone 3 ○ *Spain* **\$5.00**
A small perennial Snapdragon from the limestones of NE Spain forming low mats of soft grey-green foliage & bearing creamy blooms with bright yellow throats; pretty much a non-stop bloomer throughout late spring & summer; excellent spreading plant for spilling over rock work or retaining walls.

AQUILEGIA - Columbine **Ranunculaceae Family**
09533 A. chrysantha (new ssp.) 12" x 8" Zone 4 ○ ● *New Mexico* **\$5.00**
Possibly a new subspecies of the splendid Southwestern species, this new collection from New Mexico is an especially compact variant but features the same large bright yellow blooms with long spurs sailing out behind; same attractive blue-green foliage too.
05547 A. olympica 18" x 12" Zone 3 ○ ● *Caucasus* **\$4.00**
An attractive taller species of Columbine native to alpine meadows in the Russian Caucasus; features waxy blue-green leaves & strong stems bearing large sky blue blooms that are often strikingly bicolored with darker-colored sepals & paler spurs; suitable for well-drained border soils or along the verges of the rock garden.

ARENARIA - Sandwort **Caryophyllaceae Family**
13838 A. festucoides CC4626 3" x 6" Zone 3 ○ *W Himalaya* **\$5.00**
Tight flattened spiralled cushions of sharply-tipped bristle-like leaves is not the form one usually associates with Himalayan alpinists but here it is anyways; wiry stems arise in summer & bear small clusters of sizeable white blooms; a notable feature is the fresh bright green color of the summer foliage; the nice dwarf habit makes it suitable for trough culture but it seems quite vigorous enough for general rock garden use.
14165 A. hookeri v. desertorum 2" x 6" Zone 3 ○ *W USA* **\$5.00**
With an incredibly dense pin-cushion habit, this is a true western gem; very slow growing, it makes a great trough & container plant; has a wide distribution in the American West & is always a delight to come across in the field; in late spring/early summer short wiry stems bear many clustered white blooms just above the deep green cushion; from wild seed - Utah.

ARISAEMA - Araceae Family
04550 A. consanguineum 24" x 18" Zone 7 ● *China* **\$5.00**
Large aroid from Yunnan with bold foliage divided into many slender segments; long green spathe with a white-striped hood above.

ARISARUM - Araceae Family
14378 A. proboscideum 4" x 12" Zone 4 ○ ● *Italy/Spain* **\$5.00**
A very cute little Aroid from the Apennines of Italy & a small area of SE Spain; forms spreading colonies of short upright sheaves of foliage that conceal beneath their dense miniature canopy exotic white & brown jug-shaped blooms with improbably long maroon tails; spreads quickly in suitable lightly-shaded humusy sites; makes a great container plant in colder zones; the kids will be fascinated by these curious flowers.

ASARUM - Wild Ginger **Aristolochiaceae Family**
08151 A. marmoratum 3" x 8" Zone 4 ● ● *Oregon* **\$6.00**
Lovely mottled leaves are splashed with silver markings & veination; large purple/brown upfacing blooms open in spring but are largely hidden beneath the newly expanding foliage; an elegant & distinctive small scale ground cover for shady sites.

ASTER - Asteraceae Family
09919 A. alpinus v. dolomiticus 6" x 6" Zone 3 ○ *Italy* **\$5.00**
A compact new introduction from Mt. Baldo in Italy, forms low tufts of deep green foliage & bears large lavender-blue asters in mid-summer; easy to grow in any sunny, well-drained spot.

AZORELLA - Apiaceae Family
10423 A. trifurcata 'Nana' 2" x 8" Zone 3 ○ *Patagonia* **\$5.00**
Low hard mats of glossy tripartite leathery leaves; slow-growing foliage plant that will eventually form domed cushions; in nature, these can span a meter or more & with age become so imbricated & hard, they can withstand the weight of clumsy plant hunters without apparent damage.

BETULA - Birch **Betulaceae Family**
12805 B. apoensis 30" x 36" Zone 3 ○ ● *Japan* **\$6.00**
A compact shrub Birch for the verges of the rock garden or bonsai purposes; forms twiggy rounded shrubs with bronze-brown young twigs & attractive small toothed leaves; good yellow autumn color; a very rare species in the wild growing only on several mountain ridges of Mt. Apoi on Hokkaido, Northern Japan.
09619 B. pumila 5' x 5' Zone 3 ○ *Newfoundland* **\$5.00**
Native dwarf Birch from Newfoundland; small rounded finely-toothed leaves on short multi-stemmed shrubby plants; hardy as a moose & thrives on dampish sites - even boggy ground is not too wet.

BLETILLA - Chinese Ground Orchid **Orchidaceae Family**
00084 B. striata 12" x 8" Zone 4 ○ ● *China* **\$5.00**
Upright sheaves of olive-green foliage are followed by stems bearing large bright rosy-pink orchids; long-lasting blooms continue for weeks in late spring & on into summer; among the hardiest of the ground orchids from China, these will winter down to Zone 4 with a thick mulch of leaves; slow to come up in spring so it nicely misses late frosts; superb plant for lightly shaded woodland gardens.

03407 B. striata 'Alba' 12" x 8" Zone 4 ○ ● *China* **\$6.00**

Choice Chinese hardy ground orchid with habit & culture as for the pink form but in this less common variant, the blooms are white though in some conditions/seasons can also be attractively flushed with tints of pink or lavender.

BORNMUELLERA - Brassicaceae Family

02805 B. tymphaea (in as B. baldacci) 6" x 6" Zone 3 ○ *Balkans* **\$5.00**

A new plant for us, about all we can tell you is that it has typical white Crucifer four-petaled blooms in spring; the habit is loosely cushion-forming & the striking foliage has a nice solid texture & soft silver sheen to it indicating a probable preference for full sun exposure; I would suspect that with its geographic origins & family ties, it will likely do best in limey well-drained sites with a rather poorish soil; the members of the recent MESE expedition to Greece spoke glowingly of this compact subshrub & we are pleased to be able to offer it to you.

BOUVARDIA - Rubiaceae Family

15289 B. ternifolia 48" x 36" Zone 7 ○ *SW USA* **\$6.00**

Very showy woody subshrub native to lightly shaded sites in SW USA; forms an open upright bush with tapered leathery stiff leaves & bears terminal clusters of beautiful scarlet red tubular blooms with flaring lobes; very attractive to hummingbirds; from wild seed - desert areas, Jeff Davis County, Texas.

BUXUS - Boxwood Buxaceae Family

10581 B. microphylla 'Morris Midget' 12" x 12" Zone 4 ○ ● **\$6.00**

A very slow, compact form of Boxwood well suited for use in bonsai, model-railroad landscapes, etc; even if left unpruned, the tiny leaves & the dense twiggy growth habit will combine to produce an appealing ball of rich deep green.

06697 B. microphylla v. koreana 'Nana' 6" x 6" Zone 4 ○ ● **\$6.00**

Neat little bushlets with tiny leathery deep green leaves; the new foliage is bright Irish green & provides a striking contrast to the older bronzed foliage; very, very slow-growing & as such, ideally suited to miniature landscapes; our five year old stock plants have yet to outgrow a 4" pot.

10582 B. microphylla v. sinica Fastigate Form 36" x 12" Zone 5 ○ ● **\$5.00**

Slow growing somewhat columnar dwarf Boxwood with fresh apple-green spring foliage that by autumn, becomes a rich lustrous deep green.

04414 B. rugosa v. prostrata 3" x 8" Zone 3 ○ ● *Yunnan* **\$6.00**

A small creeping Boxwood from Yunnan with deep green leathery foliage on short sprawling stems; a slow-growing gem & our first offering of what will no doubt become a popular miniature shrub for trough or rock garden; small plants & in limited supply.

CALANDRINIA - Portulacaceae Family

14823 C. acaulis JBA 114 1" x 4" Zone 6 ○ *Andes* **\$5.00**

This miniature Calandrinia can be found here & there all along the high alpine spine of the Andes Mts. of South America; forms small open cushions of very slender hairy leaves; a very free blooming plant, the short sprawling flower stems bear clusters of showy rose-pink blooms from late spring right through summer.

14789 C. andicola tricolor 2" x 6" Zone 5? ○ *Chile/Argentina* **\$5.00**

Low sprawling mats of slender soft grey-green foliage are decorated throughout summer by upfacing cups of bright rosy-purple each with a bright white & yellow eye; once started, the blooms just keep on coming.

11110 C. skottsbergii F&W10291 2" x 4" Zone 6? ○ *Argentina* **\$6.00**

A very beautiful miniature Calandrinia from the Argentinian Lake District; forms small upright tufts of fleshy but stiffly slender leaves; slim stems rise just above the foliage bearing large golden-orange blooms for several weeks in summer; a lovely little plant for a sunny, well-drained trough.

CALYSTEZIA - Beach Morning Glory Convolvulaceae Family

03308 C. soldanella 3" x 12" Zone 6 ○ *California* **\$5.00**

Rarely seen Californian native, a dweller of stabilized sand dunes in coastal regions; forms low mats of very attractive glossy rich green kidney-shaped leaves; short-stemmed rose-pink funnel-shaped blooms are borne in the leaf axils over a long period; a new plant for us so it is too soon to give much cultural advice; so far at least, it is doing well in pot culture here though we anxiously await this summer's blooms.

CAMPANULA - Bellflower Campanulaceae Family

13207 C. autraniana 3" x 6" Zone 3 ○ ● *Caucasus* **\$6.00**

Cushions of elongated heart-shaped leaves & long blue flowers on semi-upright or sprawling stems in summer; compact in habit & showy in bloom; rarely offered alpine bellflower from limestone crevices in the West Caucasus.

14907 C. besenginica 3" x 6" Zone 3 ○ ● *Caucasus* **\$6.00**

Another rare alpine bellflower from the North Caucasus; forms small tight cushions of glossy deep green leaves & bears outsized blue bells in early summer; probably best in a raised trough setting where it can be protected from slugs.

14988 C. betulaefolia 3" x 12" Zone 3 ○ ● *Turkey* **\$5.00**

Robust tufts of sharply-toothed dark green leaves & splayed stems carrying clusters of large beautifully puckered pink buds in early summer; popping open, these reveal long bells of pure white; a splendid wall/crevice plant especially suited to lime-rich rocks & a natural for enlivening harsh concrete retaining walls.

14908 C. biebersteiniana 2" x 6" Zone 3 ○ ● *Caucasus* **\$6.00**

Forms small mats of deep green spoon-shaped leaves; rising above the mat on slender stems are single tubby pale blue bells with reflexed petal tips colored a deep violet-blue; a rather showy little alpine Campanula from Ceget in the Central Caucasus Mts.

05164 C. collina 8" x 12" Zone 3 ○ ● *E Europe/Caucasus* **\$5.00**

Crenate long-stalked leaves form slowly expanding carpets of grey-green punctuated by short upright stems bearing long dangling bells of a particularly rich purple-blue; a very attractive species of Bellflower, long-lived & easy to grow.

13496 C. elatines 8" x 10" Zone 3 ● *Italy* **\$5.00**

A beautiful tufted species of Bellflower from vertical limestone rocks in the NW Italian Alps; long-stalked leaves have undulate, coarsely-toothed margins; short spreading stems hug the rock & bear wide-spreading starry blue blooms in the leaf axils all along the stems; prefers a cool, lightly-shaded environment.

14990 C. lourica 2" x 4" Zone 3 ○ ● *Iran* **\$6.00**

Rarely seen in cultivation, this is a miniature crevice-dwelling bellflower from limestone in the Elburz Mts. of Iran; forms small cushions of slender hairy grey-green leaves & bears blue bells in summer; should perform well in tufa gardens & troughs.

11079 C. pseudoraineri 8" x 8" Zone 3 ○ *Caucasus* **\$5.00**

A bit of a mysterious plant in that some consider it a hybrid of *C. carpatica* v. *turbinata* while others claim this name refers to a species from the Caucasus Mts; what it is from a gardeners point of view is a vigorous bellflower large cup-shaped blooms of white or mid-blue over nice clumps of grey toothed foliage; an easy to grow & free-blooming subject I suspect will do well in virtually any garden setting.

CARDUNCELLUS - Blue Thistle **Asteraceae Family****01385 C. pinnatus 3" x 8" Zone 4** ○ *Mediterranean* **\$6.00**

A favorite plant here, this long-lived stemless 'thistle' forms luxurious rosettes of dark leathery green leaves edged with formidable-looking spines & teeth; to the touch however, these lack rigidity & bark much worse than they bite!; centering each mature rosette in early summer is a great bright blue shaving-brush of a bloom; on maturing the spent flowers produce a swollen silken mass of purple-brown filaments that, in exploding from the receptacle, looks for all the world like some sort of furry creature perched atop the plant; loves sun & good drainage and is pleasingly easy to grow.

CAREX - Sedge **Cyperaceae Family****01133 C. buchananii 'Dwarf Form' 8" x 6" Zone 4** ○ ● *New Zealand* **\$5.00**

Delightful new miniature form of the popular New Zealand bronze-leaved sedge; forms small sheaves of rich orange-brown leathery foliage topped by a feathery crown formed by the myriad splitting leaf tips; likely to prove a popular plant for miniature water gardens & poolside plantings.

01830 C. elata 'Knighshaye's' 16" x 12" Zone 3 ○ ● *Garden selection* **\$5.00**

Best of all the golden variegated sedges; glowing yellow foliage displays virtually no hint of green at all; best in damp sites in part-shade (full sun in cool summer climates); a lovely thing.

02293 C. melanocephala 12" x 8" Zone 3 ○ *Altai Mts* **\$5.00**

An alpine Sedge from Central Asia that forms small tufts of lustrous dark green leaves topped by near-black spikes dangling droplets of golden pollen - a magical effect!; while hiking in the mountains of Western Canada, I've always admired our native black-fruited alpine sedges & this fine plant certainly equals them in appeal; from high alpine bogs, Chuiskie Belki, Altai Mts, Russia.

CATANANCHE - Cupid's Dart **Asteraceae Family****14825 C. caespitosa 3" x 8" Zone 4** ○ *N Africa* **\$5.00**

Another gem from the High Atlas, this little fellow forms low mounds of slender olive-green foliage & large bright yellow 'everlasting' blooms in spring; hardy, long-lived & very showy, long-lasting blooms for every rock garden.

CEANOTHUS - Mountain Lilac **Rhamnaceae Family****10104 C. greggii 12" x 16" Zone 5** ○ *New Mexico* **\$6.00**

Small twiggy subshrub with oval deeply-veined grey-green leaves & white blooms in early summer; from limestone slopes at 6500' elevation, New Mexico.

CELMISIA - New Zealand Daisy **Asteraceae Family****04228 C. hookeri 12" x 12" Zone 7** ○ *New Zealand* **\$6.00**

A robust subalpine New Zealand daisy; forms clumps of beautiful silvery-grey-green woolly foliage & bears huge white daisies (largest of any Celmisia!) in late spring/early summer; hardiness will likely be a problem in coldest regions but certainly worth a trial in coastal areas & perhaps also areas further inland blessed with reliable snowcover.

CENTAUREA - Star Thistle **Asteraceae Family****14912 C. bagadensis Zone 3** ○ *Caucasus* **\$6.00**

My apologies but I really can't tell you very much about this rare alpine Centaurea endemic to limestone crevices in the Caucasus Mts. of Georgia; it does feature beautiful

silvery foliage arranged in low rosettes but the flower color is not known; like others of its type, will no doubt require full exposure to sun & wind to remain compact & healthy; I'd consider wedging it between blocks of tufa & suspect it will do well in such settings.

15086 C. drabifolia ssp. austro-occidentalis 3" x 8" Zone 3 ○ *Turkey* **\$6.00**

An ornamental Turkish species with grey-green foliage on short lax stems & terminal bright golden-yellow blooms; showy in bloom & compact in habit provided it is grown hard; long-lived if not overfed.

CERCOCARPUS - **Rosaceae Family****13294 C. intricatus 30" x 36" Zone 3** ○ *Utah* **\$6.00**

The smallest of the western Mountain Mahogany, this dwarf shrub forms low evergreen bushlets of narrowly revolute, deepest green foliage; growth habit is exceptionally twiggy making for a very dense appearance; flowers are inconspicuous, the seeds that follow however are much more noticeable with their long spiralling silver-grey tails; often grows as a crevice plant dotting the great sweeps of red & orange slickrock in NE Utah; should make an excellent container plant & has bonsai potential.

13877 C. ledifolius 60" x 60" Zone 4 ○ *California* **\$5.00**

The largest of the Mountain Mahogany & often forming extensive pure stands on dry slopes - these 'pygmy forests' are a distinctive feature across much of the American West & can present a real challenge if you are trying to get through to the other side!; sometimes grows in a shrub form, sometimes as a small contorted tree but always with a multitude of sharp stiff stems & dense growth habit; leaves are dark green, resinous & have the margins curled under; bark on older stems & main trunk is furrowed; grows well in containers & given the gnarled, twisted miniature trees seen across the West should have great bonsai potential; from wild seed - Trinity Co, California.

CHAMAECYPARIS - False Cypress **Cupressaceae Family****10664 C. lawsoniana 'Green Globe' 12" x 12" Zone 5** ○ ● **\$8.00**

Essentially a deep green pillow for rock gardens, troughs; very slow growing; very useful miniature conifer.

10665 C. lawsoniana 'Minima Aurea' 16" x 10" Zone 5 ○ ● **\$8.00**

Dense upright cones of bright golden-green; slow growing to eventual height of 3' or so in open ground, much less if root run is restricted in a trough or container planting.

10666 C. lawsoniana 'Pygmaea Argentea' 16" x 12" Zone 5 ○ ● **\$8.00**

Dwarf dense cone-shaped conifer with congested obtusa-like sprays of light green tipped with cream creating a very attractive & different foliage effect; slow but eventually to 3' in open ground plantings, much less in containers.

04882 C. obtusa (in as 'Goldsprite') 16" x 12" Zone 4 ○ ● **\$6.00**

Compact mounds of rich green foliage arranged in spreading fans tipped with bright gold; not sure of the proper name, it arrived here as cuttings of 'Goldsprite' but it is a larger, more vigorous plant than that miniature variety; in any event, it remains a beautiful small conifer for rock garden accent or borders.

10670 C. obtusa 'Rigid Dwarf' 30" x 12" Zone 4 ○ ● **\$8.00**

Darkest green foliage & an upright habit to 3' in 15 or so years; excellent color & form for background plantings & the verges of larger rock gardens.

10671 C. pisifera 'Plumosa Compressa Aurea' 18" x 24" Zone 4 ○ ● **\$8.00**

Initially a slow-growing dense mound of bright green 'crisped' foliage tinged with gold in summer; eventually forms a broad conical shape to 3' or so high but even in age, remaining very dense.

14371 C. pisifera 'Squarrosa Minima' 24" x 30" Zone 4 ○ ● **\$6.00**

Initially a small low rounded shrub, eventually to 30" or so tall by which time it is taller than wide; very attractive blue-grey fine needle-like foliage on short congested shoots;

easy to grow, hardy & suitable for rock gardens, mixed conifer plantings; if desired or considered necessary, takes trimming very well.

CHASMATOPHYLLUM - Aizoaceae Family

14171 C. sp. 2" x 4" Zone 6? ○ ● *South Africa* **\$5.00**

Leathery blue-green tufts of foliage & bright yellow blooms for many weeks in summer.

CHIONOHEBE - Scrophulariaceae Family

12910 C. tetragona (syn. densifolia) 2" x 4" Zone 6 ○ ● *New Zealand* **\$6.00**

Tight dark green pads are made up of a myriad of tiny leathery leaves & wire-thin stems; an especially desirable plant for the collector of choice miniature alpine shrubs; seems slow to come into flower but once mature, will produce a wealth of large (for the size of the plant!) white blooms in spring; we are very pleased to offer this tiny gem; from wild seed - rock & Pillar Range, South Island, New Zealand.

CHRYSANTHEMOPSIS - Asteraceae Family

06708 C. (Leucanthemum) hosmariensis 8" x 12" Zone 5 ○ ● *Morocco* **\$5.00**

Beautiful silver filigree foliage & large open-faced white daisies throughout spring & summer; a garden standout in milder zones & a splendid container plant in colder zones; unopened buds are a work of art in themselves with each silver bract neatly margined with a black fringe; simply nothing else like it.

CHRYSANTHEMUM - Asteraceae Family

14818 C. catananche 6" x 8" Zone 6 ○ ● *High Atlas* **\$5.00**

A beautiful dwarf daisy from the High Atlas Mts. of North Africa; forms low compact mounds of silver-grey finely-divided leaves - this very attractive foliage effect is nearly reason enough to grow the plant; the large pale yellow blooms are centered with deeper yellow & often feature deep red staining near the petal bases; often the petals are suffused with purple on the reverse; not the hardiest alpine from the Moroccan Atlas we grow & intolerant of 'damp feet' so make sure to locate in full hot sun with sharpest possible drainage & a soil not too rich in nutrients.

CLEMATIS - Ranunculaceae Family

12824 C. alpina rubra 6' x 24" Zone 3 ○ ● **\$6.00**

A beautiful & vigorous clambering vine with masses of dangling four-petaled cups of rich purple-red in spring; ideal cover for an old stump or large boulders or to add a splash of color to plantings of spreading junipers.

CODONOPSIS - Bonnet Bellflower Campanulaceae Family

12407 C. convolvulacea ssp. vinciflora 4' x 1' Zone 3 ○ ● *Tibet* **\$6.00**

A lovely delicate climbing Codonopsis with clear blue open-faced blooms; will scramble through shrubs or trellis with its fine textured grey-green foliage; from wild seed - Pasum Tso/Nyingchi, Tibet.

12409 C. sp. 18" x 12" Zone 3 ○ ● *Tibet* **\$6.00**

A small vining species collected out of flower in the Lhasa/Pasum Tso area of Tibet; final identification will have to await flowering.

COLLETIA - Rhamnaceae Family

11144 C. hystrix F&W10305 - coral pink form 36" x 36" Zone 7? ○ ● **\$8.00**

Spiny slender branches are a bright glossy green & bear rather few rudimentary leathery slender leaves; eventually forming into dense twiggy shrubs, mature plants produce many clusters of gorgeous waxy bells of deep coral that verges on red; well worth trial in milder coastal zones; from wild seed - 1000m elevation, Talca region, Chile.

CORYDALIS - Fumariaceae Family

03907 C. nobilis 18" x 18" Zone 3 ○ ● *Central Asia* **\$6.00**

Bold ferny mounds of dissected foliage are topped by dense clusters of bright yellow blooms, each flower tipped with rich brown; a very handsome plant in or out of bloom and being long-lived, one that gets better every year; fresh seed can be hard to come by & is often slow to germinate so we are very pleased to finally be able to offer this lovely plant!

CORYPANTHA - Pincushion Cactus Cactaceae Family

14293 C. scheeri v valida SB299 3" x 3" Zone 6 ○ ● *New Mexico* **\$6.00**

A squat little cactus with the apt common names of 'Pineapple' or 'Beehive' cactus from the Caballo Mts, New Mexico; forms solitary stems with distinctive prominent tubercules each bearing many long radial spines & tipped with a few long straight central spines; from late spring into early summer, yellow flowers are borne near the summit of the stem; long green fleshy fruits follow.

CROCUS - Iridaceae Family

03871 C. boryi 4" x 4" Zone 5 ○ ● *Greece* **\$5.00**

A beautiful autumn-flowering Crocus from Greece; large white blooms with a yellow throat are borne along with the dark green lustrous narrow leaves.

CRYPTOMERIA - Japanese Cedar Cupressaceae Family

14356 C. japonica 'Bandai-sugi' 30" x 24" Zone 5 ○ ● **\$8.00**

Compact slow-growing Conifer with congested deep green shoots on an initially dome-shaped shrub; later the habit tends to be more upright & irregular with erratic bumps & protusions of gnarled growths.

10674 C. japonica 'Pygmaea' 6" x 12" Zone 5 ○ ● **\$8.00**

Deep green leathery foliage slowly builds into compact mounds; troughs, rock gardens in mild climates - excellent container & bonsai subject in colder zones.

CYCLAMEN - Primulaceae Family

03274 C. africanum 3" x 4" Zone 7 ● ● *N Africa* **\$5.00**

A half-hardy species from North Africa, this fall blooming Cyclamen has large dark green leathery leaves overlaid with pale silver mottling; the large blooms are usually mid-pink with a darker basal spot & can feature a pleasant sweet fragrance; makes an excellent pot plant with fast growing tubers, one stock pot here attained tuber diameters in the range of 4" across in just three years; such tubers bloom profusely & can make a real show in a cool conservatory or sun room.

11019 C. alpinum (syn. trochopteranthum) 2" x 4" Zone 5 ● *Turkey* **\$6.00**

Native to a relatively small area of SW Turkey, this charming species bears deep green shallowly lobed leaves well dappled & splashed with silver; from late winter into early spring, the small mid-pink blooms appear & are somewhat like those of Cyclamen coum in their short 'squashed' shape but as the petals flare out sideways & twist at the same time, they look distinctively propellor-like; a deep magenta blotch sits at the base of each

corolla lobe; this is another of the fragrant species of Cyclamen & is quite hardy in outdoor plantings.

11006 C. balearicum 2" x 4" Zone 6 ● ● *Balearic Isles/S. France* **\$6.00**

A small but very attractive Cyclamen native to the Balearic Islands & a small area of Southern France; broad heart-shaped leaves are shallowly lobed around the margin & in this selection, display a narrow green central stripe & green margin with the rest of the leaf surface heavily washed with pewter; over this striking foliage the small sweetly-fragrant white blooms open in spring - the slender petals twist & are veined with pale pink; not the hardiest of species, so probably best to grow & display in pots if you live outside of mild coastal climates.

12991 C. cilicum 3" x 4" Zone 6 ● ● *Turkey* **\$5.00**

A choice Turkish species with elongated heart-shaped leaves of dark green shot with white marbling above & solid red coloration beneath; distinctive blooms feature reflexed petals with a strong spiralling twist & irregular magenta basal blotches; flowering season is early autumn; hardiness outdoors in North America has not been widely tested but these should prove winter hardy to at least Zone 6 & quite possibly Zone 5 or even colder.

12990 C. cilicum f. album 3" x 4" Zone 6 ● ● *Turkey* **\$6.00**

These plants grown from seed derived from pure white-flowered parents; these tubers will flower this autumn & many will have the desirable pure white blooms of their parents as this form tends to come true from seed; leaves in this group are well marked with pewter bands & stipplings.

02471 C. coum 3" x 5" Zone 4 ● ● *Turkey/Caucasus* **\$5.00**

A gem for lightly-shaded sites or underplanting shrubs; blooming begins in earliest spring with cheerful chubby pendant flowers ranging in color from white (rare) through pink to rich rosy-purple; the leathery rounded leaves also show a wide range & vary from solid deep green through all manner of silver/pewter marbling to forms with almost solid silver leaves; along with *C. hederifolium*, the hardiest of the genus & suitable for outdoor planting over most of temperate North America.

14369 C. coum - plain/lightly marked leaves 3" x 5" Zone 4 ● ● *Turkey/Caucasus* **\$5.00**

A gem for lightly-shaded sites or underplanting shrubs; blooming begins in earliest spring with cheerful pendant flowers ranging in color from pure white through pink to rich rosy-purple; in this form, the leathery rounded leaves may be solid deep green or lightly marked with silver or pewter marbling; along with *C. hederifolium*, the hardiest of the genus & suitable for outdoor planting over most of temperate North America.

14367 C. coum - pewter/silver leaves 3" x 5" Zone 4 ● ● *Turkey/Caucasus* **\$8.00**

The foliage on this striking form is solidly overlaid with silver or pewter with just a thin rim of green around the margins; bloom color may range from white with a maroon nose to a solid deep rosy-purple.

15532 C. coum - solid glossy dark green leaf 3" x 5" Zone 4 ● ● *Turkey/Caucasus* **\$6.00**

A surprisingly uncommon form of Cyclamen coum, these plants feature leaves of solid dark lustrous green - no markings whatsoever; a very handsome variant; blooms range from pink to deep rose pink (no whites so far, unfortunately!) & the solid background really seems to make the flowers stand out.

14368 C. coum - well marked leaves 3" x 5" Zone 4 ● ● *Turkey/Caucasus* **\$6.00**

These tubers have been selected for their particularly attractive foliage; the deep green leaves are heavily marked & mottled with silver/pewter; a range of bloom colors can be expected.

00948 C. graecum 4" x 8" Zone 7 ○ ● *Greece/Turkey* **\$6.00**

The 'Queen of Cyclamen', *C. graecum* displays an almost unending variation of leaf patterns; basically they are all heart-shaped but vary widely in the extent of toothing along the margin as well as in the pattern of silver/pewter blotches & veining; the blooms appear in advance of the leaves in autumn & are very large compared to most in the genus; typically they are pink or rose-pink deepening in tone towards the nose of the flower with darker stripes running up into the petals; native to Greece, S. Turkey & the Aegean Islands, this lovely plant is unfortunately not reliably winter hardy in areas colder than about Zone 7; fortunately it does make a superb container plant where it will improve each year with larger, bolder leaves & a mass of stunning flowers; this particular selection features silvery foliage with a large pewter shield surrounded by a tracery of silver veins running through the deep green margin.

09158 C. graecum ssp. graecum 4" x 8" Zone 7 ○ ● *Greece/Turkey* **\$5.00**

A dark green background shows up the pewter veins & interveinal spots to good advantage here.

06784 C. hederifolium 3" x 6" Zone 4 ● ● *S Europe, Turkey* **\$5.00**

The hardiest & easiest Cyclamen species; leathery dark green leaves are delightfully mottled with silver; nodding reflexed pink (sometimes white) blooms feature a dark rose-pink basal blotch; even in colder zones, will slowly build into self-sowing colonies in humusy, lightly-shaded woodland conditions.

11002 C. hederifolium 3" x 6" Zone 4 ● ● *S Europe, Turkey* **\$5.00**

These plants grown from seed from white-flowered parents but not yet flowered so they could produce white or pink blooms; foliage is very boldly marked with a central shield surrounded by a pewter band & thin green rim along the unusually angular, almost toothy margin.

14471 C. hederifolium - long leaf form 3" x 6" Zone 4 ● ● **\$8.00**

In this especially appealing form, the leaves are elongated but narrowly so thus forming a distinctive slender arrowhead shape; adding to the interest, the foliage also bears various patterns of pewter & silver over a deep green base; these plants have the typical large pink flowers with deep magenta 'nose'.

02473 C. hederifolium 'Bowles' Apollo Group' 3" x 6" Zone 4 ● ● *Garden selection* **\$6.00**

A fine strain of hardy Cyclamen with outstanding decorative foliage that sports two distinct shield-shaped patterns of silver - one inside the other - on a background of deepest green; many of the plants in this selection will display a pale red flush on the young leaves especially noticeable in cold weather; the familiar nodding pink (sometimes white) reflexed blooms appear in early autumn; plant in humus-rich soil in a coolish site in light shade & leave strictly alone thereafter; slow to establish but quite reliable even in cold zones; like all Cyclamen, thrives on a yearly application of leaf mold.

13003 C. hederifolium ex. 'Rosenteppich' 3" x 6" Zone 4 ● ● **\$6.00**

These are unbloomed tubers grown from seed derived from a German strain of Cyclamen hederifolium renowned for its rich deep rose-pink blooms; while it is unlikely all of these will bear flowers of this intensity, certainly some will.

12878 C. hederifolium f. albiflorum 3" x 6" Zone 4 ● ● *Garden selection* **\$6.00**

These plants from parents with solid silver leaves & white blooms; all of these seedlings have bright solid silver leaves but have not bloomed so some may bloom pink but many will come true & bear white flowers.

15533 C. hederifolium f. albiflorum 3" x 6" Zone 4 ● ● **\$6.00**

White-flowered plants selected while in bloom; some of these have a magenta blotch at the base of each corolla lobe, others show just a flush of pale pink up inside the nose; foliage varies from plant to plant, most with well-marked pewter & green leaves but some with overall silver leaves.

11039 C. hederifolium - long leaf form 3" x 6" Zone 4 ● ● **\$6.00**

In this especially appealing form, the leaves are elongated but narrowly so thus forming a distinctive slender arrowhead shape; adding to the interest, the foliage bears various patterns of pewter & silver over a deep green base; in these selected plants, the flowers are clear pristine white; appears to be just as hardy & easy to grow as the regular ivy-leaved forms.

00951 C. hederifolium 'Nettleton Silver' 3" x 6" Zone 4 ● ● **\$8.00**

'Nettleton Silver' is a choice selection of Cyclamen hederifolium with extra large pink blooms over a dome of solid silver leaves; developed at Potterton Nurseries in the UK.

08289 C. hederifolium 'White Nettleton Silver' 3" x 6" Zone 4 ● ● *Garden selection* **\$8.00**

A particularly beautiful selection of this winter hardy species with extra large pure white reflexed blooms; oval leaves are sheeted with silver leaving just the thinnest rim of green picking out the margin; always in demand & in limited supply.

11007 C. libanoticum 3" x 4" Zone 7 ● ● *Lebanon* **\$6.00**

A rare species in the wild, *C. libanoticum* grows in a few isolated colonies to the north of Beirut; the very attractive angular leaves are overlaid with a pewter/silver wash & a diffuse green central shield can be made out below the surface grey; the very large wide-petalled blooms arise in early spring & generally are pale to mid-pink shading to white at the nose & marked with a deep magenta upside-down 'W' at the base of the corolla lobes; once considered a tender species, it is proving hardier than generally thought & is well worth trying outside in Zone 7 if not warmer parts of Zone 6; dislikes strong sunlight so best in light shade & well mulched with loose organic matter like conifer duff or leaf mould in autumn.

08292 C. libanoticum 3" x 6" Zone 6 ● ● *Lebanon* **\$6.00**

Deep green leathery leaves are variously marked with silver patterns & veination; late winter blooms open white or blush pink & darken to solid pink with rich carmine basal blotches.

03162 C. mirabile 3" x 4" Zone 5 ● ● *Turkey* **\$6.00**

Small autumn-flowering species from SW Turkey with distinctive near round dentate leaves; young leaves often display a red flush, mature leaves generally show some silver patterning; blooms are pale pink with a distinct magenta blotch at the base of each petal; quite hardy & well worth trying outdoors in a lightly shaded site.

11017 C. repandum peloponnesiacum ex. 92-058/59 2" x 4" Zone 5 ● ● **\$8.00**

A delightful species of Cyclamen from Greece with rounded leaves fluted & toothed along the margins & decorated with various spotting & stipplings of silver; in spring, large twisting blooms of pink arise - these can vary substantially in color & some will approach carmine; all color forms are sweetly fragrant too!

11008 C. pseudibericum 3" x 5" Zone 6 ● ● *Turkey* **\$6.00**

This selection features very well marked leaves with a central green shield pattern surrounded by a zone of pewter & outer rim of deep green; flowers are magnificent deep magenta with an almost black blotch at the base of each petal & a white nose; very sweetly-scented too!

11010 C. pseudibericum 3" x 5" Zone 6 ● ● *Turkey* **\$6.00**

The showiest of the hardy Cyclamen, *C. pseudibericum* produces very large rich rose-pink to magenta purple blooms held just above the mature leaves in spring; adding tremendously to their appeal, the flowers are powerfully & sweetly scented like wild violets; the leaves are large & heart-shaped with toothed margins & in this selection, well marked with pewter stippling & blotches.

11016 C. pseudibericum 3" x 5" Zone 6 ● ● *Turkey* **\$6.00**

The showiest of the hardy Cyclamen, *C. pseudibericum* produces very large rich rose-pink to magenta purple blooms held just above the mature leaves in spring; adding

tremendously to their appeal, the flowers are powerfully & sweetly scented like wild violets; the leaves are large & heart-shaped with toothed margins & in this selection, well marked with pewter stippling & blotches.

11013 C. pseudibericum roseum 3" x 5" Zone 6 ● ● *Turkey* **\$6.00**

The showiest of the hardy Cyclamen, *C. pseudibericum* produces very large rich rose-pink to magenta purple blooms held just above the mature leaves in spring; adding tremendously to their appeal, the flowers are powerfully & sweetly scented like wild violets; the leaves are large & heart-shaped with toothed margins & in this selection, well marked with pewter stippling & blotches.

09905 C. purpurascens 2" x 4" Zone 4 ● *SE Europe* **\$8.00**

A beautiful species of Cyclamen with large deep green leathery leaves & rich purple-pink blooms beginning in summer & continuing into autumn; leaves are lightly patterned with silver & pale green; generally considered the hardiest species & always in demand.

14702 C. purpurascens 2" x 4" Zone 4 ● *SE Europe* **\$8.00**

A beautiful species of Cyclamen with large deep green leathery leaves & rich purple-pink blooms beginning in summer & continuing into autumn; leaves are lightly patterned with silver & pale green; generally considered the hardiest species & always in demand.

11009 C. repandum 2" x 4" Zone 5 ● *Central Mediterranean* **\$8.00**

A beautiful species with large lobed & toothed leaves bearing a central green shield margined with pewter & a thin rim of green; in spring large rich rose-pink to magenta blooms are borne; these lovely fragrant flowers deepen in tone towards the nose & the petals are strongly twisted producing a very attractive spiralling effect; the tubers of this species are small compared to those of most other Cyclamen yet prefer deeper planting; a lightly-shaded site with humus-rich moist soil makes the best planting location.

DAPHNE -

Thymelaeaceae Family

12922 D. oleoides 16" x 16" Zone 3 ○ ● *Caucasus* **\$6.00**

Elegant small shrub with leathery grey-green leaves & terminal clusters of fragrant creamy-white blooms in late spring/early summer; if pollination is good, showy red berries will follow the flowers; best in a sunny spot with good drainage.

04018 D. tangutica 5' x 5' Zone 3 ○ ● *China* **\$6.00**

A wonderful taller evergreen Daphne with clusters of white blooms backed with purple-pink opening in profusion spring & often again in autumn; large showy red fruit is freely produced & remains on the plant for an extended period; a fine shrub offering tremendous garden value in all four seasons.

10597 D. x medfordensis 'Lawrence Crocker' 8" x 12" Zone 3 ○ ● **\$8.00**

A willing grower, this choice Daphne soon forms a well-branched small shrub well-foliaged with mid-green near-leathery leaves & topped by large clusters of sweetly fragrant rose-pink blooms in springtime; unlike many Daphne, this hybrid adapts well to container culture.

DEGENIA -

Brassicaceae Family

13481 D. velebetica 4" x 6" Zone 3 ○ *Balkans* **\$6.00**

Silver leaves arranged in rosettes form small mounding cushions topped in spring by clusters of bright yellow cruciform flowers; a very rare & localized plant in its home of the Velebet Mts. but not difficult in cultivation; does best in full sun & on well-drained lime-rich soils.

DELOSPERMA - Hardy Ice Plant **Aizoaceae Family****10990 D. basuticum 1" x 4" Zone 4** ○ South Africa **\$5.00**

Glossy bright green fleshy foliage is smothered beneath brilliant yellow blooms from late spring well into summer; distinctive white eyes center each daisy-like flower; among the hardiest of Ice Plants & about the showiest plant allowable in the rock garden!

15294 D. sp. #2 1" x 8" Zone 5 ○ South Africa **\$5.00**

Wonderfully floriferous Ice Plant from the Sani Pass in South Africa; the fleshy triangular leaves are borne on low spreading stems which intertwine to form extensive low mats; beginning in early summer, a seemingly endless succession of large bright purple daisies pop open all along the stems; sun & sharp drainage are all that is required for success.

DEUTZIA - **Hydrangeaceae Family****12412 D. compacta v. multiradiata 30" x 30" Zone 4** ○ Tibet **\$6.00**

A small finely branched shrub with delicate tiny leaves & fragrant clusters of pink or white blooms in early summer; this is a new collection recently brought back as seed from the Bomi region of Tibet; in nature it inhabits dampish well-shaded sites.

DIANTHUS - Pinks **Caryophyllaceae Family****08505 D. microlepis 2" x 4" Zone 3** ○ Bulgaria **\$5.00**

A real little gem for troughs, narrow crevices; forms dense pincushion-like mounds of grey-green needly leaves topped by near stemless warm rose blooms in late spring/early summer; about the best form we've grown of this wonderful miniature alpine pink.

15104 D. pinifolius AS&V51022 3" x 6" Zone 3 ○ ● Greece **\$5.00**

Cushions of slim firm leaves & clusters of rose-purple blooms in late spring-early summer; from Mt. Rhodopi, Greece.

DICENTRA - Bleeding Heart **Fumariaceae Family****09199 D. cucullaria 8" x 10" Zone 3** ● North America **\$5.00**

Dainty native woodland plant with ferny pale green foliage & arching stems that bear pure white blooms resembling upturned pairs of 'breeches'; best in light shade with rich humusy soils; summer-dormant but reliably returns year after year from the small brittle tubers known as 'squirrel corn'.

09187 D. cucullaria 'Pink Form' 8" x 10" Zone 3 ● North America **\$5.00**

Pale green lobed foliage forms low loose mounds topped by light pink 'breeches' in spring; very attractive form of this favorite native woodland plant; a gem for light shade, humusy soils.

06474 D. peregrina 4" x 6" Zone 4 ○ ● Japan **\$6.00**

Choice alpine rarity from loose volcanic slopes in Japan; low tufts of finely dissected, intense blue waxy foliage; short arching flower stems bear clusters of dangling rosy-pink 'bleeding-heart' blooms; generally considered a difficult plant especially in outdoor culture but worth any effort to establish; deep beds of pumice or coarse sand may offer the best hope; limited supply.

12796 D. peregrina alba 4" x 6" Zone 4 ○ ● Japan **\$6.00**

Choice alpine rarity from loose volcanic slopes in Japan; low tufts of finely dissected, intense blue waxy foliage; short arching flower stems bear clusters of dangling white 'bleeding-heart' blooms (but please note that while these plants are seed grown from white-flowered parents, they do not always come true to color - those that do not bloom white will be the rich rosy-pink typical of the species); generally considered a difficult plant especially in outdoor culture but worth any effort to establish; deep beds of pumice or coarse sand may offer the best hope; always in limited supply.

13445 D. peregrina f. scarlet 4" x 6" Zone 4 ○ ● Japan **\$6.00**

Choice alpine rarity from loose volcanic slopes in Japan; low tufts of finely dissected, intense blue waxy foliage; short arching flower stems bear clusters of dangling scarlet red 'bleeding-heart' blooms (but please note that while these plants are seed grown from red-flowered parents, they do not always come true to color - those that do not bloom red will be the rich rosy-pink typical of the species); generally considered a difficult plant especially in outdoor culture but worth any effort to establish; deep beds of pumice or coarse sand may offer the best hope; always in limited supply.

DICHELOSTEMMA - **Alliaceae Family****07492 D. congestum 16" x 8" Zone 4** ○ ● W USA **\$4.00**

Bulbous plants, narrow grassy leaves & short packed cylindrical racemes of showy tubular purple-blue blooms; from wild seed - boulder fields, Columbia River Gorge, Washington.

DICTYOLIMON - **Plumbaginaceae Family****14830 D. macrorrhados 2" x 6" Zone 5** ○ Pakistan **\$5.00**

A fascinating alpine cushion plant from high elevation near the Bature Glacier in Pakistan; also known as Aeonopsis cabulica or Bukiniczia cabulica it is of tremendous foliage interest as each rounded leaf is laid out in a low ground-hugging dome with every vein picked out in silver-grey; simply nothing else like it!; in mid-spring, the stiff branched flower stems arise from the center of each rosette & bear small fluffy clusters of pale pink bloom; this is a monocarpic plant that will die after flowering but sets good seed & new seedlings will reappear every few years from the self-sown seed.

DODECATHEON - Shooting Star **Primulaceae Family****09686 D. clevelandii ssp. sanctarum 6" x 6" Zone 5** ○ ● California **\$5.00**

A small Californian Shooting Star with clusters of soft lavender-pink blooms ringed at the base with bright yellow & maroon.

09545 D. clevelandii v. insulare 18" x 12" Zone 6 ○ ● California **\$5.00**

A vigorous low elevation form of shooting star from Santa Barbara Co, California; fleshy pale green leaves in basal rosettes give rise to stout stems bearing half a dozen or more large pink reflexed blooms in spring.

11415 D. pulchellum 'Sooke Form' 10" x 8" Zone 3 ○ ● Vancouver Island **\$5.00**

A choice, compact variant of the species found originally on Southern Vancouver Island; large brilliant magenta blooms over tufts of bright green fleshy leaves.

DOUGLASIA - Rock Jasmine **Primulaceae Family****12077 D. laevigata v. ciliolata 3" x 8" Zone 3** ○ ● Olympics **\$6.00**

Large rosettes of toothed bright green leathery leaves form spreading domes topped in spring by clusters of rich rose-pink blooms; wonderful native alpine for general rock garden use; effective in & out of bloom; from wild seed - north facing alpine screes; Olympics, WA.

12450 D. laevigata v. laevigata 3" x 8" Zone 3 ○ ● Oregon **\$6.00**

A beautiful alpine forming low domes of deep lustrous green toothed foliage & bearing short-stemmed clusters of vivid rose-pink blooms for several weeks in early spring; ideal trough/crevice plant; this collection from Linn Co, Oregon.

DRABA - Whitlow Grass **Brassicaceae Family****14831 D. cappadocica 1" x 4" Zone 3** ○ Turkey **\$5.00**

Tiny dense domed cushions of silvery foliage topped with short-stemmed yellow bloom; rates among the elite species of Turkish Draba.

05592 D. rigida v. bryoides 1" x 6" Zone 3 ○ Caucasus **\$5.00**

A gem of a plant forming the densest possible hummocks of dark green, near microscopic, rosettes adorned with a crown of short-stemmed golden blooms through spring; a quintessential alpine cushion plant for troughs, crevices.

08023 D. rosularis 1" x 4" Zone 3 ○ Turkey **\$5.00**

Woolly low hummocks formed of tightly packed rosettes; young plants are quite loose in habit but year by year the rosettes get tighter & tighter until they form hard, almost spherical balls of silver-grey; golden blooms conceal the foliage in spring; superb trough plant.

03527 D. sp. aff. sphaeroides 2" x 6" Zone 3 ○ ● W North America **\$5.00**

One of my favorite Draba, wish I was certain of its identity!; attractive long needle-thin leaves radiate outwards like miniature green sea urchins; slowly builds to form rounded domes; thin stems poke outwards carrying clusters of bright yellow blooms in early spring; try this one - it is quite distinct & well worth having.

DRACOCEPHALUM - Dragon-head **Lamiaceae Family****13758 D. aff. densum 1" x 4" Zone 3** ○ Tajikistan **\$6.00**

Small flat mats of delicate pinnate leaves & violet blooms terminating short ascending stems; compact enough for trough work; choice high alpine Dragon's Head from rocky slopes in Tajikistan, Central Asia.

15006 D. aucherii 2" x 8" Zone 3 ○ ● Iran **\$6.00**

A choice new introduction from volcanic scree in the Elburz Mts. of Iran; the pale grey-green toothed aromatic foliage is coated with fine hairs & is borne on low spreading stems that twist this way & that; in late spring, each leaf axil bears a rich blue hooded bloom typical of these 'Dragonheads'; should do well in a well-drained but not parched site - we've found in the past that while these elite high elevation Dracos need good drainage around the crown, they are easily weakened by drought & prefer a steady supply of moisture at the root.

ECHINOCACTUS - **Cactaceae Family****12630 E. texensis LAPPIN 3 4" x 8" Zone 6?** ○ New Mexico **\$8.00**

Bearing the rather evocative common name of 'The Horse Crippler', this cactus is a low mound-forming species bearing wickedly long bone stiff spines that recurve sharply downwards along the crinkled vertical ribs; very attractive in the field I imagine if spotted before setting foot on it lurking half-hidden in the dry grass; this collection from the Culebra Bluffs in Eddy County, New Mexico is described by the seed merchant as the 'long-spined cliff form'; the showy blooms are deep pink to red in the center fading to light pink on the outer petal edges & are borne in a ring near the center of the dome; the resulting fruits are bright red & can reach the size of pullet eggs on mature plants so their ornamental value is considerable; sadly even though this collection is from the more northern extension of the species range, it is unlikely to prove winter hardy in areas with really cold winters so perhaps best kept captive as a container plant - your neighbour's horses will thank you.

ECHINOCEREUS - **Cactaceae Family****12451 E. coccineus 6" x 12" Zone 5** ○ New Mexico **\$6.00**

The famed 'Scarlet Hedgehog' cactus; forms low multi-head clumps of short upright deeply-corrugated stems; white spines bear dark tips; around the top of the stems large

buds break out & open into great cups of rich red - a stunning color & a floral show almost unmatched in the world of rock gardening; this collection from 4900' elevation, Sierra Co, New Mexico.

12631 E. coccineus SB243 8" x 12" Zone 5 ○ New Mexico **\$6.00**

This unusual form of the Scarlet Hedgehog bears large showy blooms of deep pink; deeply corrugated upright cylinders of deep green bear long slender pale yellow spines; hardy to around -20C; from Otero Co, New Mexico.

12632 E. coccineus v. gurneyi SB351 6" x 12" Zone 5 ○ New Mexico **\$6.00**

A compact selection of this exquisite scarlet-flowered hedgehog cactus; forms small mounds of squat stems bearing few but formidable sharp stiff spines that are orange-tan at the base & deepen to dark brown at the tips; the areoles at the base of the spines are distinctive pads of dense white wool; this collection from Lincoln Co, New Mexico.

12636 E. engelmannii v. variegatus SB481 5" x 3" Zone 5 ○ Arizona **\$6.00**

This is the smallest of the many variants of Echinocereus engelmannii & forms low clusters of four to six small cylinders; these stems are densely spined with long centrals that in this collection are red; the radial spines as well as the base of the centrals is much lighter in coloration & provide the distinctive variegation alluded to in the varietal name; lovely cups of rich magenta or satiny purple are borne atop the clusters in spring; this collection from the Houserock Valley which skirts the northern rim of the Grand Canyon, Northern Arizona.

12452 E. fendleri 6" x 2" Zone 5 ○ New Mexico **\$6.00**

A small hedgehog cactus forming clusters of cylindrical ribbed stems that are easily seen through the somewhat open spination consisting of long central spines coloured pink & brown surrounded by an array of shorter white radial spines; in this collection from Luna County in southern New Mexico, the beautiful blooms are particularly large reaching over 3" in diameter & richly-colored in red-violet.

12637 E. fendleri DJF1367 6" x 2" Zone 5 ○ New Mexico **\$6.00**

A collection of the species from the easternmost part of its range in Guadalupe County of east-central New Mexico; the slender upright cylinders of this David Ferguson collection features distinctive spination with the single long central spine & its surrounding 5 or 6 radial spines all pure white - together they form a starburst type effect perching atop the long extended tubercules; flower color was not supplied by the seed vendor but typically the showy cups of this species are vivid rose-purple to magenta.

12640 E. fendleri v. kuenzleri SB353 6" x 2" Zone 5 ○ New Mexico **\$6.00**

The most distinctive of the E. fendleri complex, this striking small hedgehog lacks the long central spine that is normally the distinguishing feature of the species; also, its flattened radial spines are few in number, unusually heavy & corky in texture & this along with their white coloration & starry incurving arrangement presents a striking contrast with the deep green of the cylindrical stems; in spring, mature stems bear large beautiful rosy-purple blooms centred with a large boss of golden stamens.

Sorry but we cannot ship this plant to the United States.

12641 E. fendleri v. rectispinus GL528 6" x 2" Zone 5 ○ New Mexico **\$6.00**

In this desirable variant of E. fendleri, the formidable solitary central spines are dark brown, distinctively long & stand out at a rigid right angle to the upright cylindrical stems; in contrast, surrounding the base of each central spine is a rosette of short white radial spines laid out flat against the ribs; large upright purple-pink blooms open in spring around the top of mature stems & are followed by bright red fruits; this collection from the area of Truth or Consequences, New Mexico.

12642 E. nicholii RP73 8" x 12" Zone 6 ○ Arizona **\$6.00**

A beautiful clustering hedgehog cactus from the Silver Bell Mts. of Arizona; the tall stems are densely covered with long bright yellow spines making this one of the most eye-catching members of the genus; lavender funnel-shaped blooms open here & there

over the top half of each stem; the resulting green fruit turn bright red once mature & are sweet & edible.

12455 E. reichenbachii 4" x 6" Zone 5 ○ *Texas* **\$6.00**

One of the most beautiful species of all winter-hardy American Cactus; in this long-blooming form the blooms are a deep rich pink; this small upright barrel cactus initially forms a solitary stem but will eventually branch to form clusters; a distinctive starburst of short white spines line each spiralling rib.

12643 E. reichenbachii v. albispinus 3" x 4" Zone 4 ○ *Oklahoma* **\$6.00**

Very attractive small barrel cactus with a distinctive precise spiralling pattern of dense white spines; purple-pink blooms are borne in spring.

12456 E. reichenbachii v. albispinus 3" x 4" Zone 4 ○ *Oklahoma* **\$6.00**

Another collection of this super small barrel cactus that is coated with a distinctive spiralling pattern of dense white spines; fuchsia-pink blooms are borne in spring; from Troy Co, Oklahoma.

12644 E. reichenbachii v. baileyi 4" x 3" Zone 4 ○ *Oklahoma* **\$6.00**

Beautiful miniature barrel cactus from Oklahoma with mature spines tinted orange/pink & bearing huge vivid purple-pink blooms in spring atop the short ribbed cylinders.

12645 E. reichenbachii v. caespitosus 3" x 4" Zone 4 ○ *Oklahoma* **\$6.00**

Choice compact clustering form of E. reichenbachii with small rounded barrels knit with a dense interlocking armature of white spines hence its common name of 'white lace cactus'; spines are shorter than in the otherwise very similar E. reichenbachii v. albispinus but if possible, are arranged in an even more beautiful mathematically perfect spiral pattern; this collection from Johnston Co, Oklahoma bears lovely pink blooms in spring.

12646 E. reichenbachii v. perbellus 4" x 3" Zone 4 ○ *Oklahoma* **\$6.00**

At maturity, the short pure white spines are tipped with black hence the common name of 'Black Lace' Cactus; large purple-pink blooms in spring top the short upright barrels; these plants from stock originally collected near Belva, Oklahoma.

12647 E. russanthus 6" x 2" Zone 7? ○ *Texas/New Mexico* **\$6.00**

A small Hedgehog cactus from the Big Bend area of Texas & adjacent SE New Mexico; the upright cylinders are very densely arrayed with distinctive red-brown spines which give the plants an overall shaggy appearance & ruddy hue; each aerole sports multiple central spines - these are matched in color but exceeded in number by dozens of wire thin radial spines; the rich deep red blooms tend to appear on the sides of the stems & form funnels that often do not open fully - perhaps prevented in part by the density of the spines.

12648 E. triglochidiatus v. mojaviensis 6" x 12" Zone 4 ○ *SW USA* **\$6.00**

A freely-offsetting hedgehog Cactus that slowly makes low mounds of tightly-packed cylindrical stems; the web of interlacing curving slender white spines make a good foliage feature; gorgeous rich red funnel-shaped blooms stay open day & night & can last for several days if weather is cool; hardy, free-flowering & with a desirable dwarf mounding habit - an altogether top notch plant for the modern rock garden.

12649 E. triglochidiatus v. mojaviensis f. inermis SB686 6" x 12" Zone 4 ○ **\$6.00**

This choice clustering hedgehog cactus can reach a substantial size in nature - not in height but rather in width as the many stems crowd together to form large cushions; much slower-growing in cultivation & it can take many years to form a cushion exceeding 8" in diameter; the bright red flowers in spring are very showy & individual blooms can last for several days before fading; though variable, this unusual form of the species generally features stems with relatively few weak spines & those present tend to be concentrated near the bottom of the stems; the upper tubercles of the stems are free of spines & tipped with attractive dense white wooly areoles; a hardy collection from the northernmost part of its range - Mesa County, Colorado.

12651 E. viridiflorus SB117 3" x 6" Zone 4 ○ *New Mexico* **\$6.00**

Low mounds of elongate ball-shaped stems bear red & yellow spines in this special form from the Manzano Mts. of New Mexico; surrounding the mound in spring are the curiously appealing light green flowers, these are usually borne in a ring carried right at ground-level.

12652 E. viridiflorus SB170 2" x 4" Zone 4 ○ *New Mexico* **\$6.00**

An especially compact selection of this already small species forming low, ground-hugging domes & bearing typical rings of pale green flowers with layers of many strap-shaped petals; young spines atop the stems are deep purple-red; from Sante Fe County, New Mexico.

12653 E. viridiflorus SB876 3" x 6" Zone 4 ○ *Wyoming* **\$6.00**

Low mounds of elongate ball-shaped stems with light green flowers in spring; vertical rows of short deep red spines turn to white as they mature; a very winter hardy collection from Chaffee Co, Wyoming.

12654 E. x roetteri AG12P10 6" x 12" Zone 5 ○ **\$6.00**

A variable natural hybrid between E. coccineus & E. dasyacanthus found in various locations in New Mexico, Texas & Mexico; forms clumps of short cylinders bearing white or palest yellow spines; this form of the cross features large peach-colored blooms with a deeper orange mid-stripe & vivid green center.

Sorry but we cannot ship this plant to the United States.

12655 E. x roetteri SB993 6" x 8" Zone 5 ○ *New Mexico* **\$6.00**

A wonderful natural hybrid between E. coccineus & dasyacanthus; upright clustering cylindrical stems bear large blooms of brilliant scarlet; this expression of the cross from Otero Co, New Mexico.

Sorry but we cannot ship this plant to the United States.

EDRAIANTHUS - Serbian Bellflower **Campanulaceae Family**

14780 E. montenegrinus 2" x 4" Zone 3 ○ *Montenegro* **\$6.00**

A choice little rarity endemic to the rugged Durmitor Massif of Montenegro; the small cushions are made up of tufts of very slender mid-green leaves; short stems arise in spring each bearing but a few blue bells; fortunately these are very large in size & quite out of proportion to the small cushion they rise from; like other Balkan Edraianthus, will revel with a loose root run of tufa crumbles or in a tight crevice of tufa or other limestone rock.

13485 E. pumilio 3" x 8" Zone 3 ○ *Yugoslavia* **\$6.00**

Trim little cushions of slender silver-green leaves are crowned with outsized large blue bells late spring into summer; most compact of the genus & the best suited to trough or crevice culture though vigorous enough for general rock garden use as well; should be in every collection.

EREMURUS - Foxtail Lily **Liliaceae Family**

01126 E. robustus 60" x 24" Zone 4 ○ *Central Asia* **\$6.00**

Large heavy rosettes of strap-shaped leaves support commanding stout stems that push up to 4' or more in height by early summer; elongated racemes of large outfacing pale pink blooms top the stems; foliage dries & goes dormant by late summer; requires perfect drainage & dryish conditions - if these can be supplied, this can be a remarkably handsome plant.

ERIGERON - Fleabane, Daisy **Asteraceae Family**

01423 E. flabellifolius 3" x 6" Zone 3 ○ *Wyoming* **\$5.00**

In its native habitat of high alpine screes in the Beartooth Range in NW Wyoming, this little gem forms low running ribbons of soft grey-green fan-shaped foliage topped by

cheerful up-facing daisies of white that fade to pink; these flowers are not that large but are certainly outsized for the diminutive size of the plant itself; a lovely long-lived & free-blooming alpine Erigeron to colonize a corner of a trough, sandbed or tufa rubble.

01989 E. linearis 3" x 4" Zone 3 ○ *W North America* **\$5.00**

Choice native dryland plants with small tufts of long quill-like blue-green leaves & a bright early spring display of yellow daisies hovering just above the foliage; long-lived when sited in conditions of full sun, perfect drainage & poorish soil; small & neat enough for trough culture; older plants can achieve a superb dense cushion-like form & bloom profusely; from wild seed - dry rock outcrops, Southern Okanogan Valley, BC.

13875 E. peregrinus 6" x 6" Zone 3 ○ *British Columbia* **\$5.00**

A small mountain Daisy with mid-green leaves borne in tufts & slender stems bearing lavender-blue or white many-petalled daisies with a large golden-yellow center; good plant for sunny, well-drained rock gardens everywhere; from wild seed - Perkins Peak, Chilcote Range, British Columbia.

14176 E. pinnatisectus 3" x 4" Zone 3 ○ *Colorado* **\$5.00**

This is the high alpine form of this widespread Rocky Mountain Daisy; the attractive grey foliage is very finely pinnate & provides an effective foil to the large rich lavender-blue blooms with large golden eye; easy to grow in any sunny, well-drained rock garden setting; this collection from wild seed - above 12,000' elevation, Park Co, Colorado.

13300 E. ursinus 6" x 8" Zone 3 ○ *Colorado* **\$5.00**

Attractive slim grey-green leaves are borne on low spreading stems that form loose tufts & terminate with sizeable blue daisies in mid-summer; a fine compact alpine Fleabane from high elevation sites in Colorado.

ERIOGONUM - *Alpine Buckwheat*

Polygonaceae Family

14833 E. brevicaulis 2" x 6" Zone 3 ○ *Utah* **\$6.00**

Native to a range of habitats in Utah, Wyoming & Idaho & showing a wide range of variation in form, this collection of the species is a choice small Buckwheat with grey wooly foliage that forms low mats; in summer short wiry stems bear yellow balls of bloom that age through various shades of pink & orange; full sun & a dryish, rather poor soil will keep it compact & healthy.

15377 E. douglasii v. meridionale 1" x 6" Zone 3 ○ *Oregon* **\$6.00**

This abnormally dwarf form of the species fashions itself into tiny flat dollops of fuzzy white leaves decorated with nearly stemless golden poms of bloom in early summer; all forms of E. douglasii are to be treasured but this wee tike is surely the gem of the lot & is shortly to be published as a new variety, E. douglasii v. meridionale; from wild seed - gravelly slopes, Jackson Co, OR.

15378 E. gracilipes 2" x 8" Zone 3 ○ *Nevada/California* **\$6.00**

Rare high alpine Buckwheat forming small white-felted cushions surmounted by short-stemmed pale pink flowers; as these age, they pass through various shades of red; choice little gem for trough work; from wild seed - limestone slopes, White Mts, California.

06337 E. kennedyi v. alpigenum 2" x 8" Zone 3 ○ *W. USA* **\$6.00**

Another high alpine jewel from California, this splendid dwarf Buckwheat forms tight cushions of tiny silvery white leaves topped with small clusters of pink & cream bloom; a superb plant for trough plantings yet seems quite vigorous enough for the open rock garden as well; from wild seed - alpine summits in granite grit; California.

15406 E. roseense 3" x 8" Zone 4 ○ *California* **\$6.00**

Dense flat cushions of heavily felted grey leaves & short erect stems bearing bright yellow poms in summer; rarely seen in cultivation; from wild seed - high alpine ridges, Alpine Co, N. Sierra Nevada, CA.

15311 E. shockleyi 1" x 4" Zone 3 ○ *Nevada* **\$6.00**

One of the most striking of all the densely pulvinate species of Eriogonum; this miniature cushion becomes silvery-white & hard to the touch after just a few years growth; the near stemless flowers can be shades of yellow, orange or red depending on the season & their maturity; this is an elite trough or crevice plant & surprisingly easy to grow considering the severe nature of its native habitat in Nye County, Nevada.

ERIOSYCE -

Cactaceae Family

12461 E. curvispina 4" x 6" Zone 6? ○ *Chile* **\$6.00**

Globular cactus from 8000' in Chile; long grey twisting spines dot the tubercles & curl around the squat barrel; copper blooms are produced in spring; hardness in outdoor cultivation in North America unknown but given the high elevation of this collection, Zone 7 seems a reasonable starting point.

13095 E. curvispina F&W 9570 4" x 6" Zone 7? ○ *Chile* **\$6.00**

Another collection of this wonderful ball-shaped cactus; these plants grown from wild seed collected on Cerro Noble, Chile.

13097 E. subgibbosa v. intermedia F&W 9475 6" x 6" Zone 7? ○ *Chile* **\$6.00**

A low elevation Chilean ball cactus that gradually stretches & elongates with age to become somewhat cylindrical; stems feature distinct tubercles and are well armed with many very fine radial spines & slender centrals; rosy-pink blooms form all over the top of the stems; this collection from the Los Molles bay, Aconcagua, Chile.

ERYSIMUM - *Wallflower*

Brassicaceae Family

04919 E. kotschyianum 2" x 6" Zone 3 ○ *Turkey* **\$5.00**

Choice alpine wallflower from Turkey; needle-fine leaves in dense rosettes; bears bright yellow blooms in early spring; a distinctive species that for some reason is often confused with other species in the trade - this is the real thing from wild seed.

ESCOBARIA -

Cactaceae Family

12658 E. chaffeyi SB966 1" x 2" Zone 7? ○ *Texas* **\$6.00**

This tiny cactus has its main distribution in Mexico but this collection represents its northernmost extension in Brewster County, Texas; it forms a small elongated ball often so densely swathed with fine white spines that it has a soft hazy appearance; blooms are small, upfacing & pink, straw or rarely light green with a darker mid-stripe; the flowers form a ring round the top of the stem; red fruits follow; winter hardness estimates I've read range from -13C to -17C.

12659 E. dasyacantha SB968 4" x 2" Zone 7? ○ *Texas* **\$6.00**

A small nipple Cactus forming solitary condensed upright cylinders densely covered with white radial spines & pink-tipped central spines; upfacing pink flowers crowd the apex of the stem in spring, these are followed by bright red fruits; a species with a mostly northern Mexico distribution & just crossing into the United States in a few counties of West Texas; this collection from Brewster County.

12660 E. duncanii 2" x 2" Zone 6? ○ *New Mexico/Texas* **\$6.00**

A choice miniature top-shaped cactus densely coated with wire fine white spination; essentially forms tiny white balls; abundant pink blooms open atop the stems & mature to form long bright red fruits that make a splendid contrast with the pure white background of the spines.

12662 E. hesteri 3" x 6" Zone 6? ○ *Texas* **\$6.00**

A choice small nipple cactus with short stubby egg-shaped stems offsetting freely to form clusters & eventually, low mounds; both central & radial spines are very thin & white creating a decorative starry effect against the deep green stems; small but showy light

- rose-purple blooms open near the top of the stems in spring; a rare plant in nature restricted to a small area of northern Brewster County, Texas.
- 12663 E. leei SB397 3" x 6" Zone 4? ○ New Mexico \$6.00**
A very attractive & distinctive miniature cactus that forms a multi-stemmed mound of small elongated balls that appear nearly pure white so densely are they coated with starbursts of pure white spines; soft pink blooms appear at the top of older stems in springtime; a rare species from the Carlsbad Caverns region of New Mexico.
Sorry but we cannot ship this plant to the United States.
- 12665 E. minima 1" x 2" Zone 6? ○ Texas \$6.00**
A wonderful miniature 'nipple' cactus from Brewster Co, Texas & surely the smallest in the genus; the tiny upright club-shaped stems are covered with starry clusters of miniature yellow spines that spread strictly sideways & hug the stem thus allowing careful touching; in spring oversized rich purple blooms open on top of the stems; all in all, a truly delightful little thing!
Sorry but we cannot ship this plant to the United States.
- 12666 E. missouriensis GL48 2" x 3" Zone 3 ○ Colorado \$6.00**
A compact form of the widespread Great Plains nipple cactus; initially forms solitary small flattened balls but with time, the multiplication of surrounding offsets eventually forms low cushions; blooms bear many very slim petals of an odd brownish-yellow shade & appear atop the cushion in spring; the tubercles are particularly long & tipped with white radial spines plus one long brown-tipped central; this is a winter hardy collection from the flanks of the Uncompahgre Plateau, Oak Grove, Colorado.
- 12668 E. orcuttii v. koenigii SB92 5" x 3" Zone 6? ○ New Mexico \$6.00**
Another choice miniature 'Snowball Cactus', this features very beautiful pure white spination densely coating the solitary cylindrical stem; blooms open atop the stem in spring & feature petals with pale pink & a deep rose-pink central band; from the Florida Mts. of Luna County, New Mexico.
- 12669 E. organensis SB823 5" x 6" Zone 5? ○ New Mexico \$6.00**
Known as the Organ Mountain Foxtail Cactus, this rare little fellow has a restricted distribution & is found only at substantial elevations in the Organ Mts. of Dona Ana County, New Mexico; there it forms small clumps of slender upright cylinders; in this collection, the dense coat of spines matures to brown - normally the species bears yellow spination; in spring, small pink flowers pop open atop each stem.
- 12670 E. sneedii SB173 3" x 6" Zone 4? ○ New Mexico \$6.00**
A rare pincushion Cactus from extreme Southern New Mexico & adjacent Texas; short narrow upright cylinders are coated with a dense array of pure white spines which give the plants an appealing brightness; offsets form quickly & the plant soon develops into a low mound comprised of many stems of various sizes & ages; responding to chance rainfalls, slender pink blooms can appear sporadically from spring well into summer.
Sorry but we cannot ship this plant to the United States.
- 12671 E. sp nova RP33 3" x 6" Zone 5? ○ Arizona \$6.00**
Undescribed new species of nipple cactus from Navajo County in North Central Arizona; the very dark green stem bears particularly long projecting tubercles, each with a distinctive white groove & terminating with an open starburst of very short white spines; the flowers are an odd shade of green/brown & feature many long slim petals; has apparently proven quite winter hardy in cultivation but our Zone rating remains tentative.
- 12672 E. tuberculosa SB554 8" x 8" Zone 6? ○ Texas \$6.00**
Fittingly known as a 'cob' cactus, these clustered cylindrical stems with the hard tubercles do somewhat resemble dried corn cobs after the bbq!; well coated with fine spines, each stem is topped by rich deep pink blooms; this collection from El Paso Co, Texas.
- 01919 E. vivipara 2" x 8" Zone 2 ○ W North America \$6.00**
Neat pincushion cactus with brilliant carmine-pink blooms in spring; there seem to be fewer spines on these northern populations versus more southerly varieties & with most of the spines arranged radially, this is one of the more 'user-friendly' species; a vigorous collection, this can grow quite quickly to form domed tight cushions comprised of many small spherical 'rosettes'; deserves a spot on every dryish rock garden; this bone-hardy collection from near the northernmost extension of the species range - dry south-facing prairie hillsides, Southern Saskatchewan.
- 12673 E. vivipara v. arizonica DJF804 4" x 8" Zone 3 ○ New Mexico \$6.00**
Low mounds are comprised of closely-spaced stems that, while still nearly round, do grow a bit more cylindrically upright than in the other forms of the species we list & are a noticeably deeper green; each tubercle bears striking dark red central spines surrounded by white radial spines; dark pink flowers are borne near the top of the stems in spring; this collection from near the Mecca of all Cactus enthusiasts - Belen, New Mexico.
- 12674 E. vivipara v. bisbeeana DJF284 3" x 8" Zone 4 ○ Arizona \$6.00**
Beautiful miniature pincushion cactus from Arizona & New Mexico; forms low spreading mounds; individual stems are nearly spherical & densely covered with a solid coat of white spines; with care, this is one cactus that can be safely handled as in most individuals all the spines are borne sideways; large blooms are pink & feature slender pointed petals; these plants grown from seed collected in Gila Co, Arizona.
- 12449 E. vivipara v. buoflama 3" x 8" Zone 3 ○ Arizona \$6.00**
Lovely small barrels are tightly covered with densely interwoven white spines with dark brown tips; showy flowers open in various shades of yellow, peach & pink; a winter-hardy species, this rare variant is known from only one small region of NW Arizona.
- 12675 E. vivipara v. kaibabensis SB906 3" x 3" Zone 4 ○ Arizona \$6.00**
A very special small pincushion cactus that usually forms solitary densely spiny balls; vivid pink flowers feature a paler throat; a rare variant found only on the Kaibab Plateau of Northern Arizona & the smallest, slowest-growing of all the varieties of E. vivipara we cultivate.
- 12676 E. vivipara v. neomexicana 3" x 4" Zone 3 ○ New Mexico/Texas \$6.00**
Rounded stems with small offsets forming around the base; the numerous central spines are colored pink/red in this choice variant & give a unique overall soft rosy glow to the plant; vivid purple-pink blooms open in the warm spring sunshine.
- 12677 E. vivipara v. rosea RP48 3" x 4" Zone 3 ○ Nevada \$6.00**
A small ball cactus from Clark Co, Nevada; usually forms a solitary spiny globe whose profuse white spination makes this one of the 'whitest' of all E. vivipara; encircling the top of the ball in spring are large oversized bright purple blooms.
- 12678 E. zilziana 3" x 1" Zone 7 ○ N Mexico \$6.00**
A miniature nipple cactus with a slender cylindrical habit & bearing a profusion of fine very sharp spines that are purple-red when young & thereby give a rosy glow to the stem tips; mature spines are pure white; pale pink blooms with mid-veins striped darker sit atop the pale green cylinders in spring; showy long bright red fruits follow.

FESTUCA - Fescue Poaceae Family

00934 F. ovina glauca 'Azurit' 12" x 15" Zone 3 ○ Garden selection \$4.00

A vigorous mid-sized clumping blue Fescue for dry sunny sites on the rock garden or perennial border; color early in the year is blue-green but with the onset of early summer heat the foliage becomes a gorgeous bright blue & holds this striking tone well into autumn; these blue Fescues are clump grasses & do not spread by rhizomes, they will however seed themselves so if you don't want any extra seedlings popping up here & there, it is worthwhile to clip off the flowering stems when they appear in mid-spring.

GENTIANA - *Gentian***Gentianaceae Family****06826 *G. acaulis* 3" x 12" Zone 3 Alps \$5.00**

Classic alpine meadow plant; glossy evergreen foliage; huge true-blue trumpets swirl open in spring; this indispensable plant belongs in every garden; prefers slightly acidic soil conditions.

15196 *G. clusii* 3" x 8" Zone 3 S Europe \$5.00

One of the essential Gentians for rock gardeners, this species forms low mats of leathery glossy mid-green leaves & bears huge dark blue trumpets in spring; can be difficult to establish but once settled in, spreads slowly but surely forming a dense carpet; unlike the closely related *Gentiana acaulis* which prefers somewhat acidic conditions, this species prefers soils made sweet with limestone chippings.

15182 *C. clusii alba* 3" x 8" Zone 3 S Europe \$5.00

These are young plants grown from seed from white-flowered parents; no telling yet whether or not they will come true though undoubtedly some will; same huge trumpet-shaped blooms with green spotted throats - gorgeous whether white or deep blue!

15184 *G. dinarica* 3" x 12" Zone 3 Balkans \$5.00

From the *Gentiana acaulis* group, this is a beautiful mat-forming alpine meadow plant with clear deep blue trumpets of blue over mats of rich lustrous green foliage.

09664 *G. paradoxa* 8" x 8" Zone 3 Caucasus \$5.00

A particularly beautiful late summer blooming *Gentiana* that comes from one isolated region of the Caucasus Mts; tufts of short upright stems bear very slender tapering leaves & terminating each stem is one, sometimes several, upfacing large rich blue tubular blooms; easy to grow, long-lived & free-blooming *Gentiana* for every rock garden/low perennial border.

15193 *G. verna* 2" x 6" Zone 3 Italy \$5.00

Delightful tiny alpine *Gentiana* forming low mats of dark lustrous green closely-packed leaves topped by upright stars of deepest blue; nothing else like it for a special trough or elevated site on your rock garden; often slow to establish & increase, but once satisfied it will form a steadily increasing patch that will be your pride & joy; extra lime is a good idea while good drainage is requisite but make sure the planting doesn't dry out even in mid-summer; from wild seed - South Tyrol, Italy.

HELICHRYSUM - *Everlasting***Asteraceae Family****15097 *H. compactum* 3" x 6" Zone 3 Turkey \$6.00**

Another fine Turkish everlasting daisy for hot, sunny rock gardens; the small basal clumps of woolly white foliage give rise in summer to hairy upright stems bearing terminal clusters of yellow flowers; good for dryland gardens & best grown 'lean 'n mean' for best habit & brightest foliage color; from 16-1700m elevation on Ulu Dag, Turkey.

03617 *H. 'County Park Silver'* 3" x 8" Zone 6 Garden selection \$5.00

Silky silver miniature 'whipcords' of foliage form dense overlapping mounds; cream flowers may eventually be borne though our stock plants have been barren to date; a truly superb foliage plant!

00724 *H. sessiloides* 2" x 6" Zone 5 South Africa \$6.00

Tight flattened cushions of tiny closely-overlapping leaves are densely felted with silvery hairs; generously-sized stemless white blooms open from attractive rose tinted buds; outstanding silver foliage plant. Limited supply.

HELLEBORUS - *Hellebore***Ranunculaceae Family****11173 *H. niger* 6" x 12" Zone 3 Italy \$5.00**

The famous 'Christmas Rose'; low spreading stems bear thick leathery leaves of the deepest green; large pure white, cup-shaped blooms open during the first mid-winter mild

spell & continue well on into spring; beautiful plant for shady borders, woodland gardens; these plants grown from wild seed collected in the Julian Alps of Italy - a region where pink-flowered forms can sometimes be found.

HOSTA - *Plantain Lily***Hostaceae Family****12994 *H. venusta* 4" x 6" Zone 3 Japan \$6.00**

A very cute miniature species of *Hosta* from Japan that forms low spreading clumps of small elliptic leaves; in late summer/early autumn, 10" stems arise bearing short racemes of rather large light purple blooms; thrives in damp, humus-rich lightly-shaded conditions.

IRIS -**Iridaceae Family****12101 *I. bracteata* 10" x 10" Zone 4 Oregon \$5.00**

A small Pacific Coast *Iris* with narrow leathery leaves forming large clumps on serpentine outcrops & dry pine forests in the Siskiyou Mountains of Oregon & adjacent California; the beautiful large yellow blooms are marked with purple veins & open in late spring/early summer; from wild seed - Josephine Co, Oregon.

08188 *I. cf. cuniculiformis* 8" x 4" Zone 3 Yunnan \$6.00

A small rhizomatous *Iris* that forms patches of narrow upright leaves & bears purple-blue flowers in spring; from wild seed - alpine meadows near Zhongdian, Yunnan.

12135 *I. chrysophylla* 10" x 12" Zone 5 Oregon \$5.00

This lovely Pacific Coast *Iris* forms large clumps of narrow grassy leathery leaves & produces its large pale cream flowers on top of short stems in late spring; the elegant up-facing blossoms are quite 'fine-boned' with thin tubes & feature buff signal patches & purple veins; like most of these western *Iris*, it needs a warm, sharply drained site in cultivation; from wild seed - gravel banks, Douglas County, Oregon.

04523 *I. collettii* 8" x 6" Zone 3 Yunnan \$6.00

A small species *Iris* from the Zhongdian region of Yunnan; forms small tufts of slender green leaves & bears its blue flowers almost at ground level in late spring/early summer; seldom on offer & just a few for sale this autumn season.

11830 *I. dolichosiphon ssp. orientalis* 6" x 6" Zone 3 Yunnan \$6.00

A newly described small rhizomatous *Iris* from subalpine meadows in Yunnan; the clumps of short waxy green leaves surround very short single-flowered stems each bearing deep violet-blue blooms in spring; from wild seed - Zhongdian, China.

05455 *I. kamaonensis* 16" x 12" Zone 3 Nepal \$6.00

Compact clumps of slender leathery foliage & large purple blooms; hardy & long-lived species *Iris* from the 15,000' level near Spiti, Nepal.

08775 *I. mandschurica* 6" x 4" Zone 3 N. China \$5.00

A rarely offered species *Iris* from Northern China, this forms small tufts of foliage topped by short stems bearing lovely yellow blooms in spring; a member of the *Regelia* subsection it is fully winter hardy temperature-wise but will require a warm, light soil in full sun & a dry summer dormancy period.

09423 *I. mandschurica* 6" x 4" Zone 3 N. China \$5.00

A rarely offered species *Iris* from Northern China, this forms small tufts of foliage topped by short stems bearing lovely yellow blooms in spring; a member of the *Regelia* subsection it is fully winter hardy temperature-wise but will require a warm, light soil in full sun & a dry summer dormancy period.

13535 *I. ruthenica v. nana* 6" x 6" Zone 3 Mongolia \$6.00

A new collection of this choice tiny species *Iris*; slender rhizomes form small patches of delicate slender leaves & feature blue blooms tucked down into the foliage; from wild seed - forest openings, Changai, Mongolia.

- 08192 I. ruthenica v. nana 6" x 4" Zone 3** ○ *Yunnan* **\$6.00**
 Tiny species Iris with slender rhizomes forming small patches; delicate slim leaves & blue blooms tucked down in the foliage; from wild seed - rhododendron/oak scrub at 3400m, Napa Hai, Yunnan.
- 13887 I. setosa 20" x 12" Zone 3** ○ *Alaska* **\$5.00**
 Another collection of the Alaskan Iris with large white or pink erect blooms borne over slender tufts of foliage.
- 13941 I. setosa alba 20" x 12" Zone 3** ○ *Alaska* **\$5.00**
 A lovely white-flowered form of this vigorous Northern Iris species for cool, sunny sites; easy to grow & free-flowering with beautiful up-facing blooms borne in late spring/early summer; flowers bear large rounded falls & much reduced erect standards; thrives on moist, humus-rich soils & best with acidic conditions so add peat moss/leaf mould/conifer duff but avoid lime.
- 04037 I. sintenisii 10" x 8" Zone 3** ○ *Turkey* **\$6.00**
 Very attractive dwarf Spuria Iris with slender evergreen leaves forming small compact clumps & in late spring, bearing deep violet blooms with purple-veined white falls; easy to grow species Iris that responds to rich, heavy soils.
- 13638 I. sp. 10" x 6" Zone 3** ○ *Mongolia* **\$5.00**
 No collection data came with this wild-collected seed other than it was collected in Mongolia & that the plants were about 10" tall; so far here it has formed neat trim little tufts of slender foliage; should prove bone hardy but we'll have to wait & see on flower color.
- 12413 I. sp. 16" x 12" Zone 3** ○ *Tibet* **\$5.00**
 This is a rare collection from Tibet which has not flowered for us yet; so far has produced vigorous tufts of slender mid-green leaves; from wild seed - 3400m elevation, Pasom Tso, Tibet.
- 12763 I. sp. 18" x 8" Zone 3** ○ *Alaska* **\$5.00**
 A slender delicate Iris that came to us un-named but it is supposed to have been collected in Alaska; this stock hasn't bloomed yet but we were told the blooms are pink; all in all, a bit of a gamble but perhaps worth it for Iris enthusiasts.
- 04512 I. sp. aff. chrysographes ARGS00#138 30" x 12" Zone 3** ○ *Yunnan* **\$5.00**
 A tall vigorous species Iris collected in 2000 by the Alaskan Rock Garden Society - WSW of Zhongdian, Yunnan at 3320m; strong stems bear large multiple blooms of rich violet-blue with a large deep purple-blue blotch & veining on the falls.
- 04554 I. sp. aff. chrysographes ARGS00#625 30" x 12" Zone 3** ○ *Yunnan* **\$5.00**
 Another tall species Iris collected by the Alaskan Rock Garden Society in Yunnan in 2000; this collection gathered as seed at 3450m on Little Snow Mountain; bears several blooms per stem in mid-spring; the large flowers are rich blue with a distinct purple blotch & yellow/white marbling at the base of the falls.
- 05457 I. spuria v. notha 30" x 12" Zone 3** ○ *Russia, Kashmir* **\$5.00**
 Tall clumps of elegant slender arching foliage & large violet-blue blooms; good species for damp sites in full sun; from wild seed - Kashmir.
- 12108 I. tenuis 10" x 10" Zone 4** ○ ● *Oregon* **\$5.00**
 A dwarf Crested Iris that inhabits shady slopes & embankments in the Cascade Range of Oregon; forms spreading patches via vigorous thin rhizomes that are tipped with tufts of slender pale green leaves; foot high branching stems carry pure white blooms decorated with small yellow signal patches on the falls; from wild seed - Clackamas County, Oregon.
- 12110 I. tenuissima ssp. tenuissima 10" x 10" Zone 4** ○ ● *California* **\$5.00**
 A small Pacific Coast Iris with slender evergreen foliage & graceful delicate narrow blooms of cream lined with lavender veins; prefers a coolish semi-shaded site with well-

- drained lightly organic soils that are a bit on the acid side; from wild seed - stony slopes in coniferous forest, North Coast Range, California.
- 14364 I. verna 4" x 8" Zone 3** ○ ● *E USA* **\$6.00**
 Beautiful violet-blue blooms snuggle down amongst short fans of bright green foliage in early spring; a choice free-blooming dwarf Iris native to woodlands in the Eastern USA; a vigorous grower when planted in suitable conditions of sandy yet moisture retentive humus-rich acidic soils.

ISOPYRUM -

Ranunculaceae Family

- 07147 I. thalictroides 6" x 6" Zone 3** ● *Slovakia* **\$5.00**
 A choice small woodland plant with airy blue-green tripartite leaves & open clusters of white anemone-like blooms on 6" stems; the entire plant has a light dainty appearance; spreads via rhizomes & small tubers to form colonies in lightly-shaded humusy sites; from wild seed - Little Fatra Mts, Slovakia.

JASMINUM - Jasmine

Oleaceae Family

- 13639 J. primulinum 15' x 5' Zone 6?** ○ *Nepal* **\$6.00**
 A vigorous vining Jasmine used in mild climates to clothe arbors & trellis; beautiful large semi-double yellow blooms are borne from early spring until May; flowers are fragrant; this new collection is from fairly high elevation (3200m) in Nepal & may well represent a hardier form of the species than those currently in cultivation most if not all of which were originally collections from SW China.

JUNIPERUS - Juniper

Cupressaceae Family

- 10553 J. horizontalis 'Pancake' 3" x 24" Zone 3** ○ **\$6.00**
 As its appropriate name suggests, this selection of our native Juniper forms completely prostrate mats of grey, green & purple-tinted foliage; great groundcover for sunny, dryish sites or spilling over rocks or the top of retaining walls.
- 08895 J. sargentii 6" x 24" Zone 3** ○ *Sakhalin Island* **\$8.00**
 Sometimes still listed as a variety of Juniperus chinensis but often now accorded species status in its own right, this is a low spreading Juniper from Sakhalin Island where it forms tight mats along the cliffs; widely used in bonsai & a good rock garden subject as well; wants full exposure to sun & wind; the genuine article grown from wild seed.

LEPTOSPERMUM - Tea Tree

Myrtaceae Family

- 10608 L. humifusum 12" x 24" Zone 6** ○ ● *Tasmania* **\$6.00**
 A low mounding shrub from mountain slopes in Tasmania, this features small rather sombre dark green leaves clothing its cascading stems; small white blooms like miniature wild roses are borne in summer but are not produced until the plant is of some maturity; hardiness in outdoor culture in North America not fully known but this is the hardest species in the genus so merits some trialling; also widely used for bonsai where it is especially useful for cascade & over rock styles.

LESQUERELLA - Bladderpod

Brassicaceae Family

- 15317 L. arizonica 1" x 4" Zone 3** ○ *Arizona* **\$5.00**
 Tiny silver-grey buns are topped with clustered golden yellow blooms in spring; one of the smallest, neatest 'bladderpods' we've ever grown; perhaps best in troughs/tufa rock; from wild seed - Yavapai Co, AZ.

LEUCOJUM - Snowflake **Amaryllidaceae Family****07871 L. roseum 4" x 3" Zone 6** ○ ● *Corsica* **\$5.00**

Delicate tufts of thread-like leaves; wiry stems bear nodding pink bells in late summer; tiny but elegant bulbous plant for troughs, containers.

LEWISIA - Bitter Root **Portulacaceae Family****00759 L. columbiana 'Rosea' 4" x 6" Zone 3** ○ *Garden* **\$6.00**

A splendid all round rock garden plant that would be one of the first things I would include if planting a new rock garden; slowly builds to form a hard huddled mound of leathery dark green rosettes above which short branching clusters of rich purple-pink blooms are borne for many weeks on end; obligingly it will usually rebloom if dead-headed.

04829 L. cotyledon v. heckneri 2" x 6" Zone 3 ○ ● *California* **\$6.00**

Small flattened rosettes of leathery finely-toothed leaves; the lovely dark rose-pink flowers have feathery petal tips; from low elevation mossy ledges along Canyon Creek, Trinity Co, CA.

13897 L. pygmaea 1" x 3" Zone 4 ○ ● *California/Nevada* **\$5.00**An especially small variant of *Lewisia pygmaea* found at high elevations in the Southern Sierra Nevada Mts. of California & Nevada; the very slender succulent leaves splay outwards from the fleshy root crown & form small bright green tufts around which spread several short procumbent stems; small clusters of white blooms with rose-pink striping terminate these stems in spring; plants usually go dormant by late summer & will self-seed into colonies when happy; for any sunny rock garden.**04833 L. rediviva 3" x 6" Zone 3** ○ *W North America* **\$6.00**

From an elegant population with beautiful opalescent white blooms attractively accented by rose anthers; a choice large flowered variant; from wild seed - over basalt, Klickitat Co, WA.

LILIUM - Lily **Liliaceae Family****12371 L. formosanum v. pricei 20" x 10" Zone 4** ○ ● *Taiwan* **\$5.00**

Choice small lily from Taiwan with large narrow white trumpets colored purple outside; fragrant.

04577 L. sp. (?duchartrei/langkongense) Zone 3 ● *Yunnan* **\$5.00**

A blind collection (ie. not seen in bloom) from Yunnan made by the recent Alaskan Rock Garden Society to China; a vigorous spreader via slender rhizomes; this has bloomed for us but unfortunately it was in the middle of the spring rush & I failed to note the color, etc.

LINUM - Flax **Linaceae Family****14860 L. alpinum ssp. julicum 6" x 6" Zone 3** ○ *SE Europe* **\$5.00**

Very fine needle-like blue leaves clothe short upright stems; open sky-blue blooms swirl open for many weeks in summer; easy to grow & free flowering plant for every sunny rock garden.

LONICERA - Honeysuckle **Caprifoliaceae Family****13647 L. microphylla 24" x 30" Zone 3** ○ ● *Tien Shan Mts.* **\$5.00**

Cream flowers, yellow berries; small oval to rounded blue-green leaves; a new small hardy shrubby Honeysuckle from Central Asia; will want a sunny spot to enhance the blue in the attractive foliage & encourage free-blooming habit.

05283 L. olgae 12" x 16" Zone 3 ○ *Kirghizia* **\$6.00**Central Asia is rich in dwarf shrubs - among them, Honeysuckles of all shapes & sizes; among the more compact of these is *Lonicera olgae*; ideal for rock garden purposes, itfeatures a desirable low twiggy habit with small soft grey leaves & heads of bright yellow blooms in spring; following the floral display, an abundance of bright red berries is possible if pollination is successful; we grow many of the dwarf *Lonicera* as container plants & find they make excellent subjects for training as informal specimen shrubs & can develop a rugged aged appearance in just a few years; this is a Josef Halda collection from calcareous rocks in the alpine zone, Pamir Mts, Kighizia.**12513 L. pyrenaica EAC 104 30" x 36" Zone 4** ○ *Morocco* **\$6.00**

According to Hillier's 'Manual of Trees & Shrubs' possibly the finest of all shrubby Honeysuckles; growing from 24-36" tall, it forms open bushes of pale blue-green foliage & in the leaf axils bears clusters of fragrant tubular blooms of white flushed with rose-pink; a profuse show of bright orange-red fruit follows bloom; this collection from 8000' elevation in the High Atlas Mts of Morocco.

13649 L. stenantha 30" x 36" Zone 3 ○ *Tien Shan Mts.* **\$5.00**

A new mid-sized shrubby Honeysuckle from screes & rocky slopes in the Tien Shan Mountains of Central Asia; features a dense twiggy growth habit & attractive lance-shaped blue-green leaves; clusters of creamy-yellow blooms in spring mature to form deep blue-black fruit; if flowering & seedset is profuse, this hardy shrub may make a very useful element in plantings designed to attract songbirds.

LYSIONOTUS - **Gesneriaceae Family****06654 L. montanus 8" x 8" Zone 7** ● ● *SE Asia* **\$5.00**

Low clumps of soft hairy toothed foliage; large clear lavender tubular blooms from summer well into autumn; rare yet easy to grow species for shady woodland settings or alpine house; seldom offered in the trade.

MAIHUENIA - **Cactaceae Family****15547 M. poeppigii 4" x 8" Zone 5** ○ *Patagonia* **\$6.00**

This is a hardy Patagonian Cactus that forms hard cushions of intricately branched stems & slender fleshy leaves interspersed with slender white spines; bears stemless yellow flowers in spring; well-grown plants with their dense flattened cushion habit can be super attractive whether in bloom or not.

10153 M. poeppigii 4" x 8" Zone 5 ○ *Chile* **\$6.00**

A new wild collection of the species from 5500' elevation on Volcan Antuco, Chile; forms large dense mats of very spiny stems & bears the typical bright yellow blooms in spring.

MAIHUENIOPSIS - **Cactaceae Family****14527 M. glomerata 3" x 10" Zone 7?** ○ *Argentina* **\$6.00**Forming hard low domed cushions, this is a beautiful *Opuntia*-like Cactus from the Jujuy region of Argentina; the grey-green stems are formed of oval joints with long wickedly-sharp spines; so far it has been fairly slow growing here but steadily the stems are slowly packing themselves together into tight formation & the resulting cushion seems likely to become nigh on impenetrable; somehow the buds manage to poke through the spiny phalanx as photos I've seen of the plant in habitat show generous bright yellow chalice opening just above the rusty glow of the spines.**MAMMILLARIA -** **Cactaceae Family****12680 M. grahamii SB1860 3" x 3" Zone 7** ○ *New Mexico* **\$6.00**

A squat cylindrical fish-hook Cactus that ranges from Arizona through to West Texas; often hard to find in nature as they tend to grow in the shelter of overhead shrubs or tucked well down in rock crevices, the short barrels are very pale green & covered with a solid armature of long rich brown central spines, the longest of these bearing a sharply

recurved tip; surrounding the cluster of centrals is a starburst of spreading white radial spines; light pink blooms are borne after summer rainfalls, these are carried in a ring around the upper portion of the stem & often feature a wide dark rose-pink mid-stripe that can give the blooms a striking bicolored effect; showy bright red club-shaped fruit follow; this collection from Steins, a well-known ghost town in extreme SW New Mexico.

12681 M. heyderi v. bullingtoniana SB487 2" x 4" Zone 6? ○ New Mexico \$6.00

A low flattened single-stemmed pincushion cactus from SW New Mexico & adjacent Arizona, this collection is from the dry Jarilla Mts. of New Mexico; the relatively few short spines do not obscure the beautiful pattern of spiralling tubercles; flowers are borne in rings just below the top of the low dome & large decorative red fruits follow the blooms; unfortunately I do not know the flower color on this specific collection yet but in other areas, the species blooms in various shades of cream & pink.

12474 M. meiacantha 2" x 4" Zone 6 ○ New Mexico \$6.00

A ground-hugging fish-hook cactus with a flattened globular shape - the above ground portion of the stem often assumes a low domed habit making it hard to find in the field; the pronounced tubercles are an odd angular shape & this can easily be seen as the spination is rather sparse & short consisting of white radial spines & a single brown central; damaged stems exude a sticky white latex; pink blooms often feature a darker midstripe & open in spring to be followed by purple-red club-shaped fruits; this collection from Eddy County, SE New Mexico.

12682 M. meiacantha RP89 2" x 4" Zone 6 ○ New Mexico \$6.00

Another collection, this time from the Watrous-Ft. Union area of North-eastern New Mexico; flowers in this form bear a distinctive pink midstripe.

12683 M. meridiorosei DC531 4" x 3" Zone 6? ○ New Mexico \$6.00

A very attractive small cactus that forms clusters of somewhat flattened ball-shaped stems with a peculiar blue-green tint; each tubercle bears small tufts of long stiff central spines with tips so strongly recurved they earn the plant the common name of 'fishhook' cactus; the rich brown of these central spines makes a nice contrast to the collar of white radial spines that surrounds them; this free-flowering species blooms young & bears many rich rosy-purple blooms around the apex of the cylinder in summer; this collection from the Peloncino Mts, New Mexico.

12684 M. prolifera 3" x 6" Zone 7? ○ Texas \$6.00

A low clustering cactus that ranges from SW Texas down into Mexico along the Gulf of Mexico - this collection from Pecos County in west Texas; this little fellow has an almost hairy appearance due to the extremely fine & numerous radial spines that clothe each small egg-shaped stem; as the species name suggests, offsets are very freely produced & even young plants soon build into low mounds comprised of many tightly packed stems; flowers are small & borne near the top of older stems & are usually creamy-yellow though with pink tones & usually with a darker midstripe; decorative cylindrical club-shaped bright red fruits follow the bloom.

12686 M. wrightii SB86 3" x 3" Zone 5 ○ New Mexico \$6.00

An elegant small ball cactus consisting of a single flattened blue-green globular stem that is well armoured with long fishhook-shaped rich brown central spines projecting from each slender tubercle; gorgeous large bright pink-purple blooms pop open atop the globe in late spring/summer; these starry flowers mature to form purplish edible fruits that are comically large for the size of the tiny cactus that bears them; this collection from near the northernmost extension of the species range, the Manzano Mts of North Central New Mexico.

MELICYTUS -

Violaceae Family

04122 M. alpinus 8" x 12" Zone 7 ○ New Zealand \$8.00

A very odd member of the Violet Family; forms low spreading bushlets of leathery flattened stems with a few small fleshy leaves spotted here & there along the blunted spine-tipped branches; young plants have variable foliage color ranging from deep green in summer to rich plum in autumn & approaching purple/black in winter; blooms we haven't seen yet but they are small white cups borne in summer & mature into small white or pale blue berries that hang all along the branches; not likely very hardy in North American conditions but for collectors of alpine oddities, this most unlikely 'Violet' will certainly have appeal.

MERTENSIA - Bluebells Boraginaceae Family

15153 M. primuloides 6" x 8" Zone 3 ○ Himalaya \$6.00

Attractive tufts of lance-shaped deep green basal foliage & arching stems bearing spreading clusters of deep blue flowers; more blooms open as the stems elongate resulting in a very long-blooming plant; a Himalayan gem to colonize a humusy, cool lightly-shaded corner of your garden.

MONARDELLA - Mountain Mint Lamiaceae Family

14225 M. linioides ssp. stricta 4" x 6" Zone 4 ○ California \$6.00

Small aromatic domes of pale grey-green slender leaves are topped by clustered lavender-pink pincushion-like blooms in summer; like all the western alpine mints, will want full sun & sharp drainage; from granite cliffs & crevices in the San Gabriel Mts, Southern California.

MORINA - Morinaceae Family

10354 M. spinosa 15" x 12" Zone 4 ○ Turkey \$6.00

A showy choice thistle-like plant with short stiff upright stems clothed with paired spiny leaves & bearing short interrupted spikes of bloom; the whorled gaping flowers are large & colored yellow & red; wants a site in full hot sun & a rather poorish, lime-rich sharply-drained soil; from wild seed - Bolkar Dag, Turkey.

NOTHOFAGUS - Southern Beech Fagaceae Family

10399 N. antarctica 'Prostrata' 12" x 24" Zone 7 ○ S. America \$8.00

Small contorted Antarctic Beech from South America; zigzagging spreading branchlets fan out horizontally & bear small elegantly toothed Beech leaves in miniature; would probably eventually reach some considerable spread if not vertical size in the ground but it is quite slow growing & this makes it ideal for container culture; a gem!

OPHIPOGON - Lily Turf Convallariaceae Family

02353 O. planiscapus 'Nigrescens' 12" x 18" Zone 4 ○ Japan \$5.00

Slow spreading clumps of darkest green, very near black, thick leathery striated grassy foliage; clusters of pink-tinted white blooms summer into autumn; under good growing conditions produces blue-black berries; choice foliage plant for containers or lightly-shaded borders; simply nothing else like it.

OPUNTIA - Prickly Pear Cactus Cactaceae Family

12687 O. basilaris SB1976 10" x 18" Zone 4 ○ Nevada \$5.00

Winter-hardy form of the species with spineless flat pads held in a rather upright manner; no spines but the clusters of tiny orange/brown glochids are abundant & you'll handle this

carelessly only once!; gorgeous large pink bowl-shaped blooms open along the pad margins in late spring; from Silver Peak, Nevada.

14323 O. basilaris v. treleasei 10" x 18" Zone 6 ○ *California* **\$6.00**

Beautiful red-flowered form of the species from Kern County in California; forms jumbled masses of flattened stem segments that, unlike the other varieties of the species which are spineless, feature a good armor of sharp spines.

Sorry but we cannot ship this plant to the United States.

06660 O. clavata 3" x 12" Zone 6 ○ *New Mexico* **\$6.00**

An unusual low-growing Opuntia endemic to drainages of the Rio Grande River in New Mexico; forming silver-grey mats of small club-shaped pads, it is well armed with older joints bearing conspicuously thick down-facing white dagger-like spines; yellow flowers are borne in late spring/early summer & are followed by yellow fruits; this collection from Socorro County, Central New Mexico.

12986 O. fragilis 'Bronze Beauty' 3" x 6" Zone 3 ○ **\$6.00**

Tubby little cylindrical joints, free of spines, build to form small clumps like jumbled piles of deep green swollen sausages; in winter, the joints take on a deep bronzy hue; once the plant is of suitable age, diaphanous lemon yellow blooms can be expected in spring; while the lack of obvious spines may invite careless handling, this choice dwarf Opuntia does not lack defences as the rusty-red hair fine glochids detach easily & can be very irritating; nonetheless, while I usually avoid Opuntia, I wouldn't want to be without this cute little winter-hardy cactus.

OREOBOLUS -

Cyperaceae Family

11040 O. pectinatus 2" x 4" Zone 6? ○ *New Zealand* **\$5.00**

A miniature sedge from New Zealand with slender leaves forming two ranks on very short stems; slowly forms dense rounded cushions; in its native habitat it inhabits alpine bogs so in cultivation, likely best grown in peaty soils that never dry out; from wild seed - Remarkable Range, NZ.

ORIGANUM - *Oregano*

Lamiaceae Family

14836 O. dictamnus 6" x 12" Zone 7 ○ *Crete* **\$6.00**

'Dittany of Crete'; the well-known ornamental oregano with wooly grey-green round leaves set in pairs along trailing stems; bright rose-pink blooms are profusely borne from summer well into autumn & being papery, remain effective for many months; while not fully hardy, this lovely plant richly deserves a space indoors or the protected frame space needed to overwinter in colder zones.

OROSTACHYS -

Crassulaceae Family

14591 O. boehmeri 3" x 6" Zone 3 ○ *Japan* **\$5.00**

Japanese succulent species forming mats of fleshy green rosettes surrounded by a mass of smaller offsets that arise out of the older stems; tall broad spires of bloom form in late autumn & feature beautiful white blooms with contrasting red anthers; these open quite late in the season & can be damaged by early hard frosts so if you have a greenhouse, make sure to grow this plant as a potted specimen & take it in to enjoy the full spectacle of its bloom cycle (you can always have your cake & eat it too by rooting a stem or two & planting them outside, cuttings root quickly & without difficulty!).

14586 O. fimbriatus 3" x 6" Zone 3 ○ *N Asia* **\$5.00**

Small fleshy rosette-forming succulent from North Asia; the leaves are triangular in cross-section & taper to a point & form an attractive flattened star-shape; young leaves are pale blue-green but as they age they are suffused with rich purple-red tones; in late fall, a tall spike arises from mature rosettes & bears a packed column of white blooms

with protruding stamens creating a foxtail-like effect; hardy & drought-tolerant succulent for every rock garden.

14594 O. hybrid - yellow, ES 2" x 6" Zone 3 ○ **\$5.00**

We have very little information yet on this hybrid as it has not yet bloomed for us; so far it has formed low sprawling mats of fleshy pale green leaves with many offsets forming from the base of the short sprawling stems; the new young leaves have a lovely blue-green hue.

14584 O. 'Jade Mountain' 2" x 6" Zone 3 ○ **\$5.00**

Very pale icy blue-green succulent foliage forming low mats; many small rosettes & offsets arise from short spreading stems.

14590 O. limuloides - green form 3" x 6" Zone 3 ○ *China/Mongolia* **\$5.00**

A small Sempervivum-like succulent with rosettes of pale green fleshy keeled leaves each bearing a soft distinctive 'spike' at the tip; new small rosettes form on short stems around the parent plant; the main rosette elongates in late summer & produces an upright stem carrying a lovely cylinder of spidery white Sedum-like blooms in autumn.

14583 O. 'Pink' 2" x 5" Zone 3 ○ **\$5.00**

Hardy succulent with low rosettes of fleshy oval leaves colored an appealing pale sage green; new plantlets are freely formed & soon form a spidery colony of offsets rising from offsets; in autumn, erect stems rise to 4" or so in height & bear attractive starry pink blooms whose long protruding stamens create a 'foxtail' effect; full sun, good drainage & a poorish soil are the basic requirements.

08523 O. spinosa 2" x 4" Zone 3 ○ *Altai Mts* **\$5.00**

At first glance, resembles a particularly refined Sempervivum; on closer inspection the two distinct leaf types reveal the mistaken impression - like some metallic daisy flower, an outer ring of longer sharp-tipped leaves surround the inner tightly concentric array of small flattened leaves; the resulting textural effect is very pleasing indeed; the bloom spike bearing small creamy white blooms arises out of the middle of the rosette & seems to expand upward like one of those intricately woven chinese finger puzzles; from wild seed - alpine steppe, Altai Mts, Russia.

OXALIS -

Oxalidaceae Family

10458 O. aff obliquifolia 5" x 6" Zone 6? ○ *South Africa* **\$5.00**

This showy species ranges into high elevations in the South African Mountains & may well prove harder than the provisional Zone 6 as listed here; in cultivation it forms bright green tufts of wedge-shaped leaflets & bears large rich rose-pink blooms over a long period from late spring into summer; each bloom is enhanced by a creamy-yellow throat; sooner or later, it dies down & it appears all is lost but tip out the pot & you'll find a rich harvest of pea-sized rich brown tubers just waiting to start all over again.

10460 O. perdicaria 2" x 3" Zone 7? ○ *South America* **\$5.00**

A tiny tuberous Oxalis that forms little tufts of deep green finely-divided foliage just an inch or two high; this foliage appears in spring & dies down again in early summer only to reappear in the autumn along with the bright yellow scented blooms; a choice little thing for containers or in mild zones, a sheltered spot in the rock garden - non-invasive & a long-blooming delightful plant.

OXYTROPIS - *Locoweed*

Fabaceae Family

11243 O. johannensis 4" x 4" Zone 3 ○ *Newfoundland* **\$6.00**

A compact Oxytropis native to New England & Canada's Maritime Provinces; this collection is from Newfoundland where it inhabits limestone pavements & cliffs; forms small tufts of grey pinnate foliage & bears clusters of bright purple bloom in spring; not

difficult to grow if provided with a good deep root run & an airy, bright position on the rock garden or deep trough.

13456 O. shokanbetsuensis 6" x 8" Zone 3 ○ Japan \$6.00

A typically vigorous Japanese Oxytropis native to Mt. Shokanbetsu, Hokkaido; forms arching tufts of mid-green pinnate foliage & bears clusters of showy purple-blue pea blooms in early summer; we've found all of these Japanese Oxytropes to be easy to grow, long-lived additions to the rock garden provided they are transplanted when young & not unduly disturbed afterwards.

PAEDEROTA - Scrophulariaceae Family

07736 P. bonarota 4" x 6" Zone 3 ○ Alps \$5.00

Running tufts of finely-lobed grey-green leaves & racemes of blue blooms in summer; a rhizomatous relative of Veronica & though seldom on offer, similarly useful in the rock garden for colonizing crevices; a lime-lover.

PARONYCHIA - Whitlow-wort Caryophyllaceae Family

13339 P. ?sessiliflora 1" x 4" Zone 3 ○ Alberta \$5.00

These miniature flat cushions are comprised of whipcord-like green/silver stems; inconspicuous miniature flowers line the stems in spring & become much more evident in seed when the entire cushion glows rusty-red from the ripe seed capsules in autumn; can be found lining the crevices in sandstone formations all along the Oldman River Valley in Southern Alberta & a worthwhile rock garden subject for trough, sandbed or crevice garden.

PEDIOCACTUS - Cactaceae Family

14327 P. knowltonii SB304 2" x 1" Zone 4? ○ New Mexico \$8.00

One of the smallest if not the smallest American Cactus; forms tiny cylinders just an inch or two tall by an inch or so across; the dark green stem is dotted with white spots - these are actually the ends of the tubercles covered with incredibly tiny white radial spines & fine white hairs; small pink blooms are produced in spring around the top of the stem; in the dormant season, these tiny cylinders shrink right back to & even below ground level making this miniature wonder almost impossible to find in the field; so small & confusing is this species that for a long time botanists thought collected specimens were just juvenile forms of Pediocactus simpsonii; this collection from San Juan County in northwest New Mexico.

Sorry but we cannot ship this plant to the United States.

12481 P. simpsonii - 100 seeds 4" x 6" Zone 3 ○ Colorado \$8.00

A Colorado collection of this finest of all winter hardy Cactus; in time will form sizeable barrels with distinctive red spination & bears fragrant pink blooms in spring; from granitic screes, Costilla County, Colorado.

13695 P. simpsonii (yellow giant) 4" x 6" Zone 3 ○ Utah \$8.00

A novelty form of this beautiful species from the Uintah Basin in NE Utah; forms extra large ball-shaped stems topped with rings of yellow blooms in spring; something extra special from Rebecca Day-Skowron at Rocky Mountain Rare Plants!

PENSTEMON - Beard-tongue Scrophulariaceae Family

04376 P. baccharifolius 10" x 10" Zone 4 ○ Texas \$5.00

Distinctive in foliage & flower, this is a southern species from Texas & surrounding area that merits trialling in other hot summer regions; subshrubby in habit, it forms leafy clumps up to a foot high & inspires instant admiration with its leathery deeply-toothed holly-like leaves; large bright crimson tubular blooms are borne in summer.

13313 P. cyananthus 16" x 8" Zone 3 ○ Utah \$5.00

Very beautiful bright blue blooms are borne in whorled clusters on strong upright stems; basal foliage is a lustrous bright green; often colonizes fresh gravelly road cuts in its native range & in cultivation will respond to a a similarly sunny, airy spot with not too rich soil; from wild seed - Cache Co, Utah.

13317 P. hallii 3" x 4" Zone 3 ○ Colorado \$5.00

Tufts of slender grey-green foliage are topped by short spikes of purple-blue bloom late spring into summer; among the best of dwarf Penstemons for general rock garden use; easy, free-blooming & retains a neat habit in cultivation; from wild seed - Park Co, Colorado.

13320 P. paysoniorum 6" x 6" Zone 3 ○ Wyoming \$5.00

Attractive dwarf dryland species with compact clumps of slender spatulate green leaves & pure blue flowers borne in summer in one-sided clusters just above the foliage; a choice Pent for troughs; from wild seed - Fremont Co, Wyoming.

14231 P. pruinus 6" x 12" Zone 3 ○ W North America \$5.00

Flat basal rosettes of small grey-green leaves form dense mats; intense purple-blue blooms are borne on short congested stems throughout summer; an unusually compact form of this widespread species; from wild seed - gravelly subalpine slopes, Wenatchee Mts, WA.

10619 P. rupicola 'Myrtle Herbert' 2" x 6" Zone 3 ○ Washington \$5.00

Dwarf variant of an already compact species; dark pink blooms in summer; bright blue-green foliage; a superior selection.

PETROPHYTUM - Rockmat Rosaceae Family

15328 P. caespitosum 1" x 12" Zone 3 ○ W USA \$5.00

In our yearly wanderings through the American West, we always look forward to finding the first tight cushions of this splendid shrub clinging to limestone boulders & cliff faces; the pale silvery green foliage seems eternally fresh despite merciless exposure to the extremes of winter cold & ferocious summer sun; how it can find the energy & moisture needed to push out the forest of stubby spikes of white bloom in midsummer remains a great mystery; easy to grow in the rock garden & a particular gem for those fortunate enough to have a large tufa block for it to colonize.

PHYSARIA - Twinpod Brassicaceae Family

14275 P. integrifolia v. monticola 1" x 4" Zone 3 ○ Wyoming \$5.00

This Physaria forms tiny silver cushions with yellow blooms followed by a mass of large inflated seedpods that can conceal the plant beneath; native to hot, dry sites in Sublette County, Wyoming; a natural for tufa or trough.

14184 P. rollinsii 1" x 3" Zone 3 ○ Colorado \$5.00

A choice miniature Rocky Mountain species with silver blue foliage & yellow blooms borne on short stems splayed about the cushion; small round inflated fruits follow; dryland tufa/trough plant.

PIERIS - Lily of the Valley Shrub Ericaceae Family

10624 P. japonica 'Little Heath Green' 12" x 16" Zone 5 ● \$6.00

A tiny little thing with slender dark green leaves & a twiggy dwarf habit creating small bushlets ideal for lightly shaded sites with acid humus-rich soils; clusters of clean white bloom open in spring; newly-expanding leaves feature good red tones.

- 10625 P. japonica 'Pygmaea' 10" x 10" Zone 5** ● **\$6.00**
Most unusual variant; dwarf mini-shrub with very long slender leaves; ours haven't bloomed but presumably it eventually will bear the clusters of white flowers common to the genus.
- 00104 P. japonica v. yakusimanus 'Yak' 12" x 24" Zone 5** ● ● *Japan* **\$6.00**
Lovely low shrub with whorls of leathery bright green leaves; dangling chains white urn-shaped blooms early spring; choice dwarf form for lightly-shaded sites, rhodo plantings, peat gardens.
- 03050 P. japonica 'Variegata' 16" x 24" Zone 5** ● ● *Garden selection* **\$6.00**
Compact slow-growing evergreen shrub with narrow glossy leaves neatly margined with white; new spring growth is washed with pink; our ten year old stock plant has yet to exceed 12" in height by 18" in width; light shade & a humusy woodland soil suits it best.

PLANTAGO - Plantain

Plantaginaceae Family

- 12891 P. lanigera 1" x 3" Zone 7?** ○ *New Zealand* **\$5.00**
A miniature alpine Plantain from the South Island of New Zealand; forms a small ground-hugging rosette of grey-green hairy leaves & not much more; to be fair it is only of interest to collectors of the oddities of the alpine world; from wild seed - Remarkable Range, NZ.

PODOCARPUS -

Podocarpaceae Family

- 10567 P. alpinus 'Blue Gem' 18" x 24" Zone 7?** ○ ● *Australia/Tasmania* **\$6.00**
Dwarf Australian conifer from mountainous regions of the SE & Tasmania; forms low bushlets of slender yew-like foliage which in this selection is an attractive blue-green; red fruits are showy but both male & female plants are required for heavy fruit set (this clone is female); young foliage shoots are cream colored with purple overtones & provide a pleasing contrast to the dark tones of the mature foliage.

PODOPHYLLUM - May-apple

Berberidaceae Family

- 06795 P. emodi 24" x 16" Zone 3** ● *Himalaya* **\$5.00**
Much sought after woodland plant with large palmate dark green leaves attractively mottled with bronze/brown blotches; the large white or light pink blooms borne in spring mature to form improbable-looking bright red fruits the size & shape of hen's eggs!; a striking plant at every stage of growth yet easy to grow & very long-lived.

POLYGONATUM - Solomon's Seal

Convallariaceae Family

- 04434 P. prattii 8" x 8" Zone 3** ● *Yunnan* **\$6.00**
A dwarf species of Solomon's Seal from China with slender purple blooms dangling from short arching stems; produces purple berries that turn red at maturity.

PRIMULA - Primrose

Primulaceae Family

- 10471 P. allionii hybrid 'Airewave' 3" x 4" Zone 3** ○ ● **\$5.00**
Vigorous P. allionii hybrid with thick grey-green foliage & clusters of large pure white frilly blooms in early spring; quickly forms multiple rosettes & has real flower power.
- 10478 P. allionii hybrid 'Wharfedale Gem' 2" x 3" Zone 3** ○ ● **\$6.00**
Showy long-tubed blooms of rosy-purple with a large white eye.
- 15507 P. allionii 'Marjorie Wooster' 2" x 3" Zone 3** ○ ● **\$6.00**
Beautiful large flowered variety of P. allionii with rose-pink white-eyed blooms and featuring attractively fluted petal margins.

- 10484 P. allionii 'S-MB94-7' 2" x 3" Zone 3** ○ ● **\$6.00**
From the same batch of seedlings as 'Neon', this is another splendid Rick Lupp introduction - blooms open a deep rich warm pink & age a bright clear pink.
- 10486 P. allionii x hirsuta 3" x 4" Zone 3** ○ ● **\$6.00**
Rose-lilac blooms with white eye; the small rosetted leaves have finely-toothed margins.
- 10475 P. allionii hybrid 'Linda Pope Alba' 4" x 6" Zone 3** ○ ● **\$6.00**
The bold broad leaves with shallowly fluted margins are arranged in flattened rosettes; 2" stems bear large clusters of deep bubblegum-pink blooms which age to warm salmon; each long-tubed bloom bears a large white eye shading to yellow in the throat; easy to grow, reliable & long-lived rock garden Primula.
- 10487 P. auricula alpine cv. 'Gordon Douglas' 6" x 8" Zone 3** ○ ● **\$5.00**
Lusty clumps of fleshy pale green leaves are spackled with pale cream farina; in spring, short flower stems bear clusters of large violet-blue blooms that shade through pale blue to a pure white throat; a beautiful winter hardy Auricula for the rock garden or containers.
- 13135 P. auricula x carniolica 3" x 4" Zone 3** ○ ● **\$5.00**
This cross has been found in the wild as well as recreated in garden conditions; the seed from the cross has resulted in a variable crop of young plants here - some bear bright yellow blooms with white eye ring like its auricula parent while others bear nice purple flowers; all are borne in clusters on tall stems over tufts of fleshy slightly toothed leaves - the yellow flowered plants have a light dusting of farina on pale green leaves, the purple have smooth deeper green leaves.
- 11325 P. daonensis 3" x 4" Zone 3** ○ ● *Italy* **\$5.00**
Fleshy wedge-shaped leaves are somewhat sticky to the touch; clusters of rose-pink to lavender-purple flowers with white throats are produced in spring; from wild seed - Umbraile, South Tyrol, Italy
- 14838 P. ellisiae 4" x 4" Zone 3** ○ ● *Arizona* **\$6.00**
A small western alpine Primula with tufts of upright leaves & small one-sided clusters of rosy-magenta bloom in early spring; wants lots of moisture in spring but to be kept somewhat drier later in summer; not hard to grow & can be quite long-lived.
- 15527 P. 'Helmswell Blush' 2" x 4" Zone 3** ○ ● **\$6.00**
A small yet vigorous allionii hybrid with bicolored blooms that feature outer petal margins of rose-pink surrounding a large white throat & yellow eye.
- 13143 P. hirsuta 4" x 6" Zone 3** ○ ● *Italy* **\$5.00**
A third wild collection, this one from the Jaufenpass, Italy; hardy & free-blooming with clusters of white-eyed rose-purple blooms.
- 13141 P. hirsuta 4" x 6" Zone 3** ○ ● *Italy* **\$5.00**
Another wild collection of the species, this time from the Passo San Marco, Italy; same attractive toothed foliage in basal tufts & large wide-open trumpets of rose-lilac in early spring; these are white-eyed & the petals are notched.
- 11326 P. hirsuta 4" x 6" Zone 3** ○ ● *Switzerland* **\$5.00**
Desirable rock garden Primula with fleshy, somewhat sticky toothed leaves borne in tufts; short flower stems rise just above the foliage & bear large clusters of rose-purple blooms with prominent white eyes; easy to grow & free-blooming; this wide-ranging species can be found in damp, acidic habitats all across the Southern European mountain ranges - this collection from wild seed collected at Val Minor, Switzerland.
- 10389 P. 'Jay Jay' 3" x 6" Zone 3** ○ ● **\$5.00**
Vivid magenta blooms with bright golden eye for many weeks in early spring; clumps of rich dark green crumpled foliage; a beaut!

- 11330 P. latifolia (viscosa) 4" x 6" Zone 3** ○ ● *Switzerland* **\$6.00**
Fragrant purple-red blooms in one-sided umbels over low tufts of somewhat sticky green foliage; a showy alpine Primula that is not all that often on offer yet is easy to grow in moist, organic-rich soils; from wild seed - Val Minor, Switzerland.
- 12918 P. marginata 3" x 6" Zone 3** ○ ● *France* **\$5.00**
A new wild collection of this well known European Primula; bold toothed leaves are coated with a dusting of pale yellow farina; clusters of large lilac-blue blooms are borne in early spring; from wild seed - Casterino Valley, Maritime Alps, France.
- 01167 P. marginata 3" x 6" Zone 3** ○ ● *S Europe* **\$5.00**
Pale blue-green leathery leaves are well powdered with yellow farina & feature striking silver margins that are further highlighted by the prominent teeth; large clusters of clear lilac blooms appear throughout spring; choice dwarf form of this very popular primula for crevices, troughs, alpine house.
- 15539 P. marginata 'Linda Pope' 4" x 6" Zone 3** ○ ● **\$6.00**
Almost a hundred years old yet still a vigorous selection for every rock garden; large wide-open lavender-blue blooms bear a white eye & open throughout spring; foliage is well-toothed & coated with powdery white farina.
- 03287 P. pedemontana 1" x 4" Zone 3** ○ ● *Alps* **\$5.00**
A delightful little Primrose from the Alps of Northern Italy, it forms small cushions of leathery rich glossy green leaves & bears clusters of bloom that are often tightly packed with many notched purple or pink flowers; these have a distinctive white throat & are shallow notched at the petal ends; in nature, usually found on acidic substrates but not particularly fussy in cultivation; well-drained soils with abundant humus will provide all it needs.
- 13421 P. rusbyi 8" x 8" Zone 3** ○ ● *SW USA* **\$6.00**
A new collection of this attractive Primula from New Mexico that displays a more robust stature & habit than other recent collections of the species; finely-toothed leathery green leaves form upright sheaves; umbels of showy violet blooms are produced in spring; from wild seed - Grant Co, New Mexico.
- 10494 P. sieboldii 'Bashi' 8" x 8" Zone 3** ○ ● **\$5.00**
Tall stems bear small open-faced flowers with lacy margins tipped white & a lilac center.
- 10500 P. sieboldii 'Matsu Moyuki' 8" x 8" Zone 3** ○ ● **\$5.00**
Short stems bear pure white blooms with narrow petals.
- 10506 P. sieboldii 'Uchu' 10" x 10" Zone 3** ○ ● **\$5.00**
Large pure white blooms with full wide petals.
- 13139 P. villosa 6" x 6" Zone 3** ○ ● *Austria* **\$5.00**
A fine species Primula from the Alps of Austria; forms small low clumps of fleshy bright green leaves coated with a layer of fine glands that make the leaves somewhat sticky to the touch & tint mature leaves an attractive russet color; large blooms are borne in umbels atop short stems in spring; these white-eyed flowers range in color from magenta to rose-purple; easy to grow & free-blooming species for every rock garden; from wild seed - Haberstein, Austria.
- 10509 P. x bileckii 2" x 4" Zone 3** ○ ● **\$5.00**
A very pretty little hybrid Primula that is a cross between P. minima & P. hirsuta; forms small congested domes of dark green leathery foliage with wedge-shaped tips that are deeply toothed; blooms are virtually stemless & rich purple-red enlivened with a white eye; easy to grow & long-lived.
- 10937 P. x deschmannii (wulfeniana x minima) 2" x 6" Zone 3** ○ ● *Alps* **\$5.00**
Another natural hybrid between P. wulfeniana & P. minima; forms low spreading clusters of deep green toothed leaves & bears bright purple blooms in early spring; easy to grow & blooms more freely than either of its parents.

- 01997 P. x forsteri 2" x 6" Zone 3** ○ ● *Alps* **\$5.00**
Huddled mounds of glossy wedge-shaped leaves with deeply notched tips; large vibrant rosy-purple blooms with a prominent white eye are borne in clusters through spring; easy to grow, bone hardy & very free-blooming.
- 10510 P. x juliana 'Allure' 3" x 6" Zone 3** ○ ● **\$5.00**
Gorgeous gold & white-eyed deep purple-red blooms over rich green low mounds of crinkled foliage; a splendid rock garden Primula that everyone will enjoy; free-blooming & a good increaser; another superior selection from Rick Lupp's Mt. Tahoma Nursery.
- 10390 P. x juribella 2" x 5" Zone 3** ○ ● **\$5.00**
A tiny natural hybrid of P. minima & P. tyrolensis; forms small mats of leathery mid-green leaves; borne just clear of the foliage are large deeply-lobed long-tubed blooms of rich purple-pink.
- 11444 P. x 'Mars' 3" x 4" Zone 3** ○ ● **\$5.00**
Stemless red-violet flowers; blooms early & heavily.
- 10997 P. x pruhoniana 'Butterball' 3" x 6" Zone 3** ○ ● *Garden hybrid* **\$5.00**
Raised around 1950 by Susan Watson of Lion's Bay, West Vancouver; resembles Dorothy & Lady Greer but a brighter & more intense yellow; very floriferous & long blooming.
- 06666 P. x vochinensis (minima x wulfeniana) 2" x 6" Zone 3** ○ ● *Alps* **\$5.00**
Vigorous natural hybrid forms mats of glossy leathery leaves that bear many fine teeth at their tips; while its parents can be stingy with their blooms in cultivation, this little fellow reliably produces an abundance of rich purple-red blooms each spring; easy to grow, long-lived & very floriferous plant.
- 11416 P. x 'Wharfdale Ling' 2" x 4" Zone 3** ○ ● **\$5.00**
White blooms with broad rim of pink; early bloomer with lots of flowers even when young.
- 08665 P. yuparensis 3" x 4" Zone 3** ○ ● *Japan* **\$5.00**
Small rhizomatous Primula slowly spreads to form compact clumps topped by short-stemmed light purple blooms in early spring; sweet little plant from alpine meadows in Japan.

PRUNUS -

Rosaceae Family

- 12810 P. incisa 15' x 15' Zone 5** ○ ● *Japan* **\$5.00**
Small trees with a profusion of pendant white blooms in early spring.

PULSATILLA - Pasque Flower

Ranunculaceae Family

- 14903 P. aurea (Anetilla galushko) 10" x 10" Zone 3** ○ *Caucasus* **\$6.00**
One of the most beautiful alpiners of the Caucasus, this gorgeous Pulsatilla forms clumps of feathery green foliage topped by huge golden goblets in early spring; nothing else quite like it; wants to be planted young & left undisturbed as it takes several years growth to produce the root mass needed to support the immense effort of producing such large blooms; these are one year old seedlings & should settle in nicely with fall planting.
- 13567 P. bungeana ssp. astragalifolia 6" x 8" Zone 3** ○ *Mongolia* **\$6.00**
A small Pulsatilla from stony slopes in Mongolia; the leaves are most unusual in that they are cut into very narrow segments; early spring blooms are rose-violet cups.

RANUNCULUS - Buttercup

Ranunculaceae Family

13483 R. calandrinoides 6" x 6" Zone 5 ○ ● *North Africa* **\$5.00**

A beautiful North African species from high elevation in the Atlas Mts; long leathery grey-green leaves have wavy margins & form basal tufts; short branching stems bear large white buttercups in early spring; these often display rich pink tints on the exterior; by midsummer, the plant disappears underground & finds safety from summer's heat & the worst of winter's cold; tends to break dormancy very early in the spring so best on the north side where it will stay asleep a few weeks longer.

RHAMNUS - Buckthorn

Rhamnaceae Family

11895 R. alpinus 30" x 30" Zone 3 ○ ● *Balkans* **\$5.00**

A compact shrub suitable for edging larger rock gardens; the twiggy low bushes bear large lustrous bright green leaves that are attractively deeply-veined; inconspicuous flowers can form abundant crops of black berries if both male & female plants are present; from wild seed - Alps, Slovenia.

Sorry but we cannot ship Rhamnus to the United States.

RHEUM - Rhubarb

Polygonaceae Family

13851 R. moorcroftianum CC4654 18" x 18" Zone 4 ○ *Himalaya* **\$6.00**

The alpine Rhubarbs stand proudly among the glories of the Himalayan mountain flora; forming bold mounds of dark green crinkled leaves, they produce stout flower stalks bearing huge packed spikes of green blooms that ripen to form towers of bright red seeds; the new unfolding blood red foliage is one of the delights of spring & autumnal foliage color can also be outstanding; not for every rock garden as these need space but where you have the room, they are among the most distinctive alpine plants you can grow.

RHODODENDRON -

Ericaceae Family

12950 R. 'April Rose' 36" x 36" Zone 3 ○ ● **\$6.00**

Spreading low bush with evergreen foliage suffused with deep red tones in cold weather; early spring rose-pink blooms are large, double & profusely borne.

02921 R. 'Azurika' 18" x 24" Zone 4 ○ ● *Garden hybrid* **\$6.00**

Compact twiggy shrub with beautiful deep violet blue blooms in mid-spring; hardy evergreen small leathery oval leaves; striking bloom color on a tough long-lived dwarf Rhodo.

10629 R. 'Chinzan' 12" x 16" Zone 5 ○ ● **\$6.00**

A neat twiggy little evergreen Azalea with very attractive dark green pointed leaves & lovely warm salmon-pink blooms in spring; widely used for bonsai.

10984 R. 'Chipmunk' 18" x 24" Zone 4 ● **\$6.00**

A compact evergreen Azalea for a mass of deep rose-pink bloom in early spring; attractive rich green foliage.

10987 R. edgarianum 30" x 36" Zone 5 ○ ● *China* **\$6.00**

A small twiggy Rhodo with tiny elliptic leaves densely coated on both leaf surfaces with scales - pale grey-green on top, red brown below; profuse small clusters of blue-purple funnel-shaped blooms open in mid to late spring.

10521 R. 'Egret' 16" x 16" Zone 4 ○ **\$6.00**

A superb dwarf Rhodo with small foliage on a compact bush; bears a profusion of small pure white bells in early spring.

10965 R. 'Elizabeth Lockhart' 30" x 36" Zone 5 ○ ● **\$6.00**

Mid-sized Rhodo with large deep red blooms in early to mid spring; very appealing foliage with new leaves flushed with red & older foliage overlaid with brown.

10963 R. 'Ernie Dee' 12" x 24" Zone 4 ○ ● **\$6.00**

A fine small, slow-growing spreading Rhodo for verges of the rock garden or edging shrub borders; it grows twice as wide as high & produces an abundance of long-lasting

light purple blooms in early spring & in milder zones, often starts to bloom again in late autumn.

04332 R. 'Ginny Gee' 2' x 3' Zone 6 ● ● *Garden hybrid* **\$5.00**

Compact evergreen shrub makes an excellent rock garden accent where it will be smothered beneath a wealth of bright pink blooms throughout spring; slow-growing to an eventual 2' height.

00912 R. hanceanum 'Nanum' 12" x 16" Zone 4 ○ ● *China* **\$6.00**

A beautiful dwarf Rhodo with leathery leaves held in a rather upright fashion on a low, spreading shrub; the new growth is a distinct bronzy-brown in color; a hardy, free-blooming species with clusters of cream-white blooms in late spring.

10976 R. hippophaeoides 3' x 3' Zone 4 ○ ● *China* **\$6.00**

Compact shrub with long elliptic leaves borne on upright scaly stems; the showy terminal clusters of funnel-shaped purple-blue blooms have the useful characteristic of being quite frost-tolerant; in its home region of SW China, it is often found growing in damp, even boggy sites suggesting it may tolerate similar difficult conditions in cultivation.

10983 R. impeditum - dk. purple form 12" x 18" Zone 4 ○ ● *China* **\$6.00**

A compact twiggy shrub with small leathery grey-green leaves that sparkle from abundant glands; clustered purple blooms open through spring; a very satisfactory dwarf Rhodo & quite winterhardy especially in areas with reliable snow cover.

10954 R. intricatum 24" x 24" Zone 4 ○ ● *China* **\$6.00**

A dwarf twiggy little bush with intricate branching pattern & very small leaves that make it especially suitable for bonsai & rock garden purposes; small lavender-blue blooms are produced in great abundance in early spring & have an unusual short funnel-shape with widely-flaring lobes; foliage is pale grey-green & aromatic; in the wild in SW China, this hardy adaptable species is sometimes found growing on limestone.

00968 R. 'Kazan' ('Ruzikon') 12" x 16" Zone 5 ● *Garden hybrid* **\$6.00**

Striking small shrub with flattened layers of distinctive boat-shaped highly polished leaves & clusters of open-faced salmon-orange blooms in late spring; nothing else quite like it.

02040 R. kiusianum 'Purple Form' 18" x 24" Zone 4 ○ ● *Japan* **\$5.00**

Mid-sized open twiggy shrubs with slender dark green foliage & showy clusters of bright purple bloom in early spring; hardy & very attractive species; deciduous in colder regions but hardy.

10961 R. litangense (impeditum) 12" x 18" Zone 4 ○ ● *China* **\$6.00**

Another selection of this compact twiggy shrub - considered synonymous with R. impeditum but came in under this name so we've left it as is; leathery grey-green foliage sparkles from abundant glands on leaf surface; clustered bright purple blooms through spring; very satisfactory dwarf Rhodo, hardy in most zones especially those sites with reliable snow cover.

10964 R. nakaharae 10" x 24 Zone 5 ○ ● *Formosa* **\$6.00**

A lovely low-growing Azalea from Taiwan with small distinctive deep green leaves coated with stiff hairs; the growth habit is essentially procumbent meaning it will creep over the soil surface, replicating every contour as it goes; large funnel-shaped blooms of rose-red are borne in late spring & can therefore usually avoid the damaging effects of late frosts; a splendid shrub for rock gardens in mild climate zones & an excellent container subject elsewhere.

03463 R. 'Patty Bee' 16" x 24" Zone 4 ○ ● *Garden hybrid* **\$6.00**

Compact shrub with improbably large bright yellow blooms; new foliage opens bright apple green while winter's cold brings rich plum color to the leaves; a 'must-have' dwarf Rhodo.

10969 R. 'Phalarope' 30" x 30" Zone 4 ○ ● **\$6.00**

Excellent hybrid dwarf Rhodo with masses of soft orchid pink blooms in early spring.

10526 R. saluenense 18" x 24" Zone 5 ○ ● *China* **\$6.00**

Attractive dwarf Rhodo with bristly twisting stems forming an open well-branched shrub; deep green leaves have a distinctive ciliate margin & will flush to purple tones in cold weather; in mid-spring & with this clone, sporadically again in late summer, clusters of soft purple-red blooms open - the individual flowers are quite large for the size of the plant & open in a shortened funnel-shape.

10634 R. 'St. Merryn' 30" x 30" Zone 5 ○ ● **\$6.00**

Compact dwarf hybrid Rhodo; hardy & free-flowering with deep blue-violet blooms in mid-spring; a backcross of Rh. impeditum with Rh. impeditum x augustinii 'St. Tudy'. In limited supply.

10968 R. 'Veesprite' 18" x 18" Zone 4 ○ ● **\$6.00**

A very hardy dwarf Rhodo hybridized in Ontario; tiny leaves & proportionately small flowers of soft Persian rose in mid-spring.

10995 R. williamsianum 'Fang Form' 18" x 24" Zone 6 ○ ● *China* **\$6.00**

A beautiful small dome-shaped Rhodo from high elevation cliffs in Sichuan, China; the distinctive foliage is very lovely with a soft rounded oval outline & a glossy rich green surface; new leaves are bright bronze upon first opening; in spring, large dangling bells of pink hang beneath the branches.

04878 R. 'Wren' 12" x 18" Zone 4 ○ ● *Garden selection* **\$6.00**

Cute miniature Rhodo with small dark green leaves on a twiggy slow-growing bushlet; lots of light yellow blooms are borne in early spring; all in all, a delightful little plant.

12206 R. yakusimanum 24" x 36" Zone 4 ○ ● *Japan* **\$6.00**

A wonderful dwarf Rhodo from Yakushima Island, Japan; forms low mounds of long elliptic revolute leaves that are heavily coated with white felt when first opening; the underside of the foliage is often just as heavily coated with rich cinammon brown felt; pink buds open into large bell-shaped white blooms in early spring; a hardy species & the gem of the genus for rock gardening purposes; from Japanese seed.

RHODOHYPOXIS -

Hypoxidaceae Family

15523 R. 'Appleblossom' 2" x 3" Zone 7 ○ ● *South Africa* **\$5.00**

Lovely soft pink blooms fade to white creating a lovely bi-colored effect; the flowers sit atop short stems arising from a close turf of silver-green, almost grass-like foliage; the flowers have a peculiar 'pumped-up' waxy look & keep coming for many weeks; not fully winter hardy in coldest zones but is well known as a superb container plant so well worth having in any climatic region.

15522 R. 'Pinkie' 2" x 3" Zone 7 ○ ● *South Africa* **\$5.00**

Large white blooms with rose-pink petal base.

15525 R. thodiana 2" x 3" Zone 7 ○ ● *South Africa* **\$5.00**

Profuse small white blooms.

ROSCOEIA -

Zingiberaceae Family

04963 R. scillifolia 12" x 8" Zone 4 ○ ● *Nepal* **\$6.00**

A small hardy Ginger from Nepal with slim upright leaves & one or two pink blooms terminating each main stem; prefers a rich, humusy soil enriched with leaf mold; in cold winter climates, plant deeply & apply a thick mulch of leaves, conifer boughs in late autumn; even without a mulch this is a late riser in spring but is generally reliable & quite hardy.

SALIX - Willow

Salicaceae Family

00426 S. ?arctica 2" x 6" Zone 3 ○ ● *Idaho* **\$6.00**

From areas of high elevation tundra in the White Cloud Peaks of Idaho comes this tiny stoloniferous mat-forming alpine willow; on its tiptoes it only gets an inch or so high &

slowly creeps about to form small colonies of wiry intertwined stems bearing upright lance-shaped olive green leaves; a dampish spot in a lightly shaded trough or similar site in the rock garden should suit it well.

01736 S. arctica v. petraea 3" x 24" Zone 2 ○ ● *Rockies* **\$6.00**

Low creeping shrub with small rich green leaves and large upright catkins; a superb rock garden Willow that will follow the contours of rock & slope; from wild seed - consolidated limestone screes, Bighorns, Wy.

SAPONARIA - Soapwort

Caryophyllaceae Family

03577 S. caespitosa 4" x 8" Zone 3 ○ ● *Pyrenees* **\$5.00**

Low mats of slender dark green leaves are smothered beneath masses of large short-stemmed clustered pink flowers spring into summer; an excellent all round rock garden plant - immensely showy in bloom; foliage in the autumn has the unmistakable sweet fragrance of cotton candy fresh from the carnival - I'm not kidding!

SATUREJA - Savory

Lamiaceae Family

14844 S. spinosa 3" x 6" Zone 6 ○ *Crete* **\$5.00**

A small semi-woody shrublet with a twiggy intricate branching pattern & tiny leathery leaves of deepest green; each short stem ends in a tapered 'spine'; small & choice enough for a trough; heads of small white blooms are borne later on in summer; from limestone screes & stony places on Crete so you just know it will want all the sun you can provide, sharpest drainage too especially if your winters are wet.

SAXIFRAGA - Saxifrage

Saxifragaceae Family

12733 S. 'Allendale Andante' 1" x 3" Zone 3 ○ ● **\$6.00**

Soft pink blooms.

11396 S. 'Allendale Goblin' 1" x 3" Zone 3 ○ ● **\$6.00**

Mid-yellow blooms on short stems; dense silver cushions.

11403 S. 'Allendale Grace' 1" x 3" Zone 3 ○ ● **\$6.00**

This outstanding cross of columnaris & lilacina results in purple blooms over tight cushions.

11165 S. bronchialis v. vespertina 2" x 4" Zone 3 ○ ● *Cascades* **\$5.00**

Choice form of our native Spotted Saxifrage found in the Columbia River Gorge of Washington & Oregon; easy to grow though best in a coolish spot on the rock garden.

13254 S. cartilaginea 2" x 4" Zone 3 ○ ● *Russia* **\$6.00**

Once considered variants of the widespread Saxifraga paniculata, the distinct populations from the Caucasus are now earning status as species in their own right; in this case, the Sempervivum-like foliage rosettes are dark grey-green, leathery & rimmed with a slender cartilaginous margin; short stems bear showy clusters of white flowers in spring; a fine new Saxi for troughs & tufa gardens; from wild seed - limestone screes, Krasnaya Polyana, Russia

14097 S. 'Hartside Cream' 2" x 4" Zone 3 ○ ● **\$5.00**

A fine new silver Saxi from the UK with very appealing flat rosettes of silver & green; wiry stems bear clusters of creamy-white blooms in spring; troughs, rock garden.

10536 S. 'Winifred Bevington' 2" x 4" Zone 3 ○ ● *Garden hybrid* **\$5.00**

A very lovely little hybrid Saxi forming flattened cushions of rich green leathery rosettes topped by slender stems bearing white blooms dotted & speckled with red; one of our top favorites in the entire genus; easy to grow & long-lived.

01329 S. x burnatii 2" x 6" Zone 3 ● *Garden hybrid* **\$5.00**

Small slim strap-shaped leaves strikingly marked with a fine rim of silver encrustations all along the leaf margins & tips; forms dense small mounds of foliage topped with clustered white flowers borne on arching stems; great trough plant. In limited supply.

SCUTELLARIA - Skullcap**Lamiaceae Family****07679 S. pontica 4" x 8" Zone 3** ○ ● *Turkey* **\$4.00**

Low mounding mats of silver-green leaves in rosettes; short-stemmed clusters of showy purple-pink blooms are produced throughout summer; a compact long-blooming plant for sunny ledges, crevices; another gem from Turkey that deserves a spot in every rock garden.

SEDUM - Stonecrop**Crassulaceae Family****14147 S. borschii 1" x 3" Zone 3** ○ ● *Idaho/Montana* **\$5.00**

A very attractive miniature Stonecrop with blue-grey foliage arranged in small rosettes; golden yellow blooms are produced in early summer; due to its small size & somewhat fragile construction, it is easily crushed so perhaps best in a raised trough situation.

05224 S. brevifolium 'Red Form' 2" x 8" Zone 3 ○ *Portugal* **\$5.00**

Low bumpy cushions like coarse tweed but colored a deep polished red; beautiful foliage, neat habit; ideal trough plant.

02399 S. hispanicum v. minus 'Aureum' 1" x 8" Zone 3 ○ ● **\$5.00**

Compact low knobby cushions of bright golden foliage that is prettily suffused with pink tones in cold weather; a beautiful plant for trough work, crevices, paving stones; easy, non-invasive, colorful & long-lived - hard to improve on that!

12756 S. humifusum 1" x 4" Zone 7 ○ ● *Mexico* **\$5.00**

A choice miniature Mexican Sedum for a pot or trough; on its tiptoes only reaches a half-inch or so in height; very slow grower, it creeps outwards forming a bumpy carpet of fresh green starred by rich pure yellow blooms in late spring; not very hardy so best to provide some protection from hard frost & excess winter wet.

11089 S. pluricaule 2" x 8" Zone 3 ○ ● *Kyrghizia* **\$5.00**

Low cushions of fleshy grey leaves are topped by clusters of nice purple-pink bloom in summer; an attractive rock garden plant of easiest culture & very long-lived; this represents a new collection from wild seed - Kirghizia, Central Asia.

14681 S. pluricaule v. ezave ('Sakhalin') 2" x 8" Zone 3 ○ *Sakhalin* **\$5.00**

A choice form of the species from the Island of Sakhalin just north of Japan; in this variant the small round pale green leaves are flushed with purple/red tones & are well-spaced all along the sprawling stems; this is a more or less deciduous species so that in winter, one can clearly see the intricate network of branched inter-twined stems; terminating these stems in late summer & early autumn are showy clusters of purple-pink blooms; ideally one would like to locate this so it can carpet a large stone or spill over the edge of a retaining wall.

02643 S. sieboldii 'Mediovariegatum' 3" x 10" Zone 3 ○ ● *Japan* **\$6.00**

Thickish rounded leathery leaves are a striking powder blue; each is scalloped along the margin & enhanced by a thin banding of red & broad irregular patches of cream; in late summer low arching stems bear dense clusters of effective pink bloom; onset of cold weather brings a final glorious suffusion of pink overtones to the foliage; a superb plant for every rock garden.

10140 S. sp. aff. purdyi 2" x 4" Zone 4 ○ ● *California* **\$5.00**

Very compact leathery rosettes of deep green; slender stolons bear rooting rosettes at the tip; plants from seed collected along the Salmon River, Siskiyou Co, California.

00415 S. spathulifolium 'Cape Blanco' 2" x 8" Zone 3 ○ *Oregon* **\$5.00**

Tiny huddled clumps of near-white succulent spoon-shaped leaves; a delightful foliage plant for troughs, crevices & general rock garden use; bright golden-yellow blooms in late spring/early summer.

01775 S. spathulifolium 'Carneum' 2" x 8" Zone 3 ○ ● *W North America* **\$5.00**

Low spreading open mats; rosetted blue-green fleshy leaves; cold weather suffuses all with polished deep red tones; this beautiful foliage effect is enhanced when growing in poorish soil; sunny, well-drained sites on every rock garden.

02018 S. spathulifolium 'William Pascoe' 2" x 8" Zone 4 ○ ● **\$5.00**

Low cushions of icy blue-green fleshy rosettes are flushed with pink overtones in cool weather; lovely pastel foliage colors seem almost translucent; heads of distracting pale yellow blooms are borne in summer & here at least, are quickly removed!; lovely new form of this well-loved species.

05220 S. x 'Harvest Moon' 3" x 8" Zone 4 ○ ● *Garden hybrid* **\$5.00**

Low mounds of thick succulent foliage; the arrival of colder weather brings out rich autumnal tints of orange & red; rock gardens, trough.

05221 S. x 'Moonglow' 3" x 8" Zone 4 ○ ● *Garden hybrid* **\$5.00**

Small clustered pale silver-green leaves develop burnished gold tints; heads of yellow bloom are produced in late spring/early summer, we trim them off to encourage new basal growth that helps to keep the habit tight; with all three of these 'Moon' Sedums, the foliage is the thing!

SEMPERVIVUM - Hen & Chicks**Crassulaceae Family****00293 S. arachnoideum 1" x 6" Zone 3** ○ **\$4.00**

Small regular rosettes are heavily swathed in white wool; a relatively fast-growing variety that will form large patches after just a few years; in cold weather regions, will bear a particularly heavy coating of woolly hairs so much so the entire carpet appears white; nearly indestructible & consequently very useful for filling crevices, containers, paving blocks & other difficult planting sites.

05228 S. ciliosum v. borisii 2" x 8" Zone 3 ○ ● *Balkans* **\$5.00**

Small flattened spheres of tightly overlapping scale-like leaves; dense coating of silvery hairs; superb form especially attractive in cold weather when the plant shrinks into rock-hard silver-green globes.

14361 S. erythraeum 2" x 6" Zone 3 ○ ● *Bulgaria* **\$5.00**

Mid-sized rosettes of grey-green with faint tinges of purple in cold weather; leaves are tightly packed & precisely arranged making for a very attractive appearance; pink/purple blooms in summer.

06672 S. octopodes 1" x 4" Zone 3 ○ *Balkans* **\$4.00**

Tiny ball-shaped rosettes terminate the long stolons; irresistably cute plant.

15531 S. tectorum 'Triste' 3" x 6" Zone 3 ○ **\$4.00**

Medium size cultivar of Sempervivum tectorum; leaf bases are deep green & tips are broadly painted with burgundy red.

10947 S. x 'Bella Donna' 2" x 6" Zone 3 ○ *Garden hybrid* **\$4.00**

Mid-sized fleshy rosettes of pearly grey suffused with rose-pink - very eye-catching yet a soothing, peaceful color combination; the almost imperceptible coat of fine silver hairs catches the morning dew.

12761 S. x 'Burgundy' 2" x 6" Zone 3 ○ *Garden hybrid* **\$4.00**

Rich purple-red rosettes are especially striking in cold weather; green tones in spring/early summer; a superior selection for deep foliage color & color contrast, this is a vigorous grower & increases well.

11169 S. x 'Cherry Frost' 2" x 6" Zone 3 ○ *Garden hybrid* **\$4.00**

A mid-sized Semp with green leaves flushed with red; color is especially rich in winter.

10980 S. x 'Ford's Spring' 2" x 6" Zone 3 ○ *Garden hybrid* **\$4.00**

Small bicolored Semp with bright green inner leaves surrounded by burgundy red outer leaves.

- 12931 S. x 'Gamma' 2" x 6" Zone 3** ○ *Garden hybrid* **\$4.00**
 Small rosettes, outer rings of leaves are red, inner ones are green with a fringe of silver hairs showing at the tips.
- 10956 S. x 'Greyfriars' 2" x 6" Zone 3** ○ *Garden hybrid* **\$4.00**
 Dark purple mid-sized rosettes with some grey tones depending on season, a striking variant.
- 11179 S. x 'Rose Elf' 2" x 6" Zone 3** ○ *Garden hybrid* **\$4.00**
 Dainty rosettes of grey with rose overtones.

SILENE - Catchfly **Caryophyllaceae Family**

- 11167 S. acaulis 'Frances' 1" x 3" Zone 3** ○ ● **\$5.00**
 Tight domed cushions of bright golden green needle-like foliage - a real eye-catching color among all the greens & greys of the rock garden; cute novelty & foliage accent for troughs & miniature gardens.
- 13401 S. dinarica 3" x 4" Zone 3** ○ *Romania* **\$5.00**
 Attractive tight cushions of slim tapered glossy green leaves bearing short-stemmed clusters of rich pink blooms in spring; a delightful trough plant & despite it's native preference for granitic rock, worth trying on tufa.
- 13574 S. jennisseei 2" x 6" Zone 3** ○ *Mongolia* **\$5.00**
 A new alpine Catchfly from Mongolia; forms low mounds of slender grey foliage & bears large white blooms from late spring well into summer.

TEUCRIUM - Germander **Lamiaceae Family**

- 14954 T. orientale 12" x 12" Zone 3** ○ *Caucasus* **\$5.00**
 A really fine little plant for extended summer long bloom; erect tufts of finely cut blue-green foliage support branching flower stems that produce an abundance of lavender-blue flowers; asks only for a sunny, well-drained site.

THLASPI - Penny Cress **Brassicaceae Family**

- 15166 T. rotundifolium 3" x 6" Zone 4** ○ ● *S Europe* **\$5.00**
 Tufts glossy-green rosetted fleshy leaves; short-stemmed clusters of pink blooms late spring into early summer; flowers are sweetly fragrant; good plant for tufa in moist light shade; from limestones in the Karnisch Alps.
- 15040 T. stylosum 1" x 3" Zone 3** ○ *Italy* **\$5.00**
 Small fleshy spoon-shaped leaves form flattened rosettes; clusters of fragrant pink blooms are borne in short racemes from mid-spring into early summer; an attractive alpine plant in or out of bloom.

TOWNSENDIA - Easter Daisy **Asteraceae Family**

- 12254 T. 'Jeannie's Purple' 1" x 3" Zone 3** ○ **\$5.00**
 Small tufts of linear grey-green foliage & lavender-purple daisies through spring; a fine trough plant & will self-sow to form colonies.

TRACHELIUM - **Campanulaceae Family**

- 12512 T. asperuloides JP 84-37 2" x 4" Zone 3** ○ ● *Greece* **\$6.00**
 A truly wonderful miniature alpine for trough or crevice garden; the small cushion is comprised of a mass of very tiny leaves; smothering all in early summer is a pincushion-like dome of light blue blooms; one of the most elegant alpinists one can hope to grow & we are very pleased to finally have enough to offer!; where slugs abound, plant in a raised trough.

TRILLIUM - Wake Robin **Liliaceae Family**

- 15559 T. rivale 3" x 6" Zone 5** ○ ● *Oregon/California* **\$8.00**
 The beautiful dwarf Trillium from the Siskyou Mts of Oregon & California; low mounds of foliage are topped with lovely early spring blooms that in this variable group range from white through light pink to deep rose-pink; many feature attractive deep pink speckling while others have a much deeper colored throat; these are blooming size three to four year old tubers.

TUNILLA - **Cactaceae Family**

- 14531 T. microdisca 4" x 8" Zone 6?** ○ *Argentina* **\$6.00**
 One of the hardier South American Cactus, this is essentially an Argentinian Opuntia; forms low mats of small flattened joints with short fine spines well-spaced over the pad surface - a refined appearance; the very dark red flowers are borne along the margins of the mature pads; full extent of hardiness outdoors in North America not established but has proven hardy in Colorado so Zone 6 seems a reasonable starting point.

VALERIANA - Valerian **Valerianaceae Family**

- 02403 V. montana 8" x 8" Zone 3** ○ ● *S Europe* **\$5.00**
 Low spreading clumps of rounded basal leaves with a pungent aroma; sparsely-leaved short upright stems bear many clusters of pretty pale pink/lilac blooms from late spring into summer; attractive plants for limy well-drained soils, sunny rock gardens; if you've ever hiked in an alpine meadow, you cannot fail to recognize the haunting smell of mountain valerian (well, I like it - to others, it may simply stink!)

VERONICA - Speedwell **Scrophulariaceae Family**

- 03719 V. caespitosa 2" x 8" Zone 3** ○ *Turkey* **\$5.00**
 Prostrate mats of soft silver-green foliage are decorated with small clusters of lovely sky-blue saucer-shaped blooms from late spring into summer; easy to grow, long-lived & superior rock garden plant.

VIOLA - Violet **Violaceae Family**

- 05082 V. adunca 2" x 4" Zone 3** ○ ● *Oregon* **\$5.00**
 Small compact tufted Violet with dark blue flowers in spring; very free-flowering; from wild seed - exposed ridges, Mt. Hebo, OR.
- 01624 V. sp. 3" x 6" Zone 3** ○ *Alberta* **\$5.00**
 We collected seed of this small dryland Viola in the Oldman River Valley in Southern Alberta; there it colonized narrow fissures & crevices in weathered sandstone outcrops - hardly the environment one usually associates with Violets, especially northern species but it was fresh & rich green even in mid-summer so obviously it was finding moisture well below the arid surface of the rock; we haven't seen the blooms so cannot comment on color but we think it a worthwhile native for trial in trough or crevice.

VITIS - Grape **Vitaceae Family**

- 04962 V. vinifera 'Purpurea' 10' x 12' Zone 4** ○ ● *Garden selection* **\$6.00**
 This selected form of the ancient European wine grape features silvery-green new leaves which soon develop rich red tints & deepen to burgundy by summer; the onset of cold weather in autumn brings out the final color phase - a fiery crimson to end the season; a beautiful vigorous vine for covering screens, arbors, even stout trees & one that offers a special bonus in the form of small but very sweet black grapes.
 Sorry but we cannot ship Vitis to the United States.

YUCCA - **Agavaceae Family**

14190 Y. aff. nana 8" x 8" Zone 5 ○ *Utah* **\$6.00**

Even smaller than the dollhouse Yucca, *Y. harrimanniae*, this newly described miniature species forms spiky tufts of grey-green waxy foliage; after a period of years building its strength, it produces a tall flower stem bearing large out-facing cup-shaped blooms; as one would expect, very drought tolerant once established.

12542 Y. kanabensis 18" x 24" Zone 5? ○ *Utah* **\$5.00**

Slender leathery leaves & large cream flowers.

12543 Y. schidigera 36" x 36" Zone 7? ○ *California* **\$5.00**

A large arborescent ('tree-like' - develops a main stem) species from California; tender specimen plant with long leathery leaves & impressive stems of large white or cream flowers.

12544 Y. torreyi 6' x 6' Zone 6? ○ *Texas* **\$5.00**

Imposing rounded clumps of sharp upwards-pointing leathery leaves & eventually, tall stems bearing dense spikes of large cream-white blooms.

Glossary of Horticultural Terms

alpines - in garden terms, these are compact plants that are often but not always from mountainous areas of the world. As a rule, they are slow-growing with low, dense growth habits and prefer excellent drainage, sunny exposures and poorish soil. Such conditions are most easily provided in a rock garden setting or in alpine troughs.

alpine house - greenhouses fitted with extra vents that allow free air flow, used to give extra protection to tender alpines, keep rain off dryland species which need periods of drought or protect plants whose foliage or blooms would be spoiled by severe weather.

alpine tundra - tight foliage mat formed largely of mosses, lichens, sedge and various flowering plants; typical of high arctic and alpine zones above treeline; plants are naturally dwarfed by incessant winds, bitter cold and short growing season.

biennial - plants that generally produce foliage the first year, then bloom and die the second, most produce large seed crops and many will self-sow to form perennial colonies.

bog - an area around a garden pool or natural water body that stays constantly moist because of seepage. Surface water may or may not be present. Such areas should be incorporated into every garden pool design as they permit the culture of many otherwise difficult plants. They can also make home water gardens appear less artificial as most natural water bodies are bordered by such wetland areas.

bonsai - for our purposes, small shrubs or trees trained by man or naturally dwarfed by harsh growing conditions to form gnarled shapes reminiscent of ancient trees.

border - basically a flower bed at ground level intended for perennial plants. Many rock garden plants make excellent low edgings for such beds.

clone - refers to an individual plant or to all the identical individuals propagated from it by means of cuttings or division.

crenate - leaves with undulating, crinkled margins

crevice plant - plants that grow well in the narrow gaps left between rockwork. Many have fleshy crowns and need the excellent drainage of such sites. May also refer to plants with small leaves and a creeping habit, these will form attractive ribbons of foliage all along seams in rockwork or in slender gaps between paving stones.

edging - plants used for setting off the margins of beds, borders, walkways or drives. Can be low spreading plants if an informal effect is wanted or mid-height evergreen foliage plants if a more defined harder edge is desirable.

floriferous - plants that produce blooms in particular profusion.

gritty - soil with lots of coarse sand or fine gravel providing extra sharp drainage.

growth habit - manner in which plants foliage is arranged, many alpines display a low tight cushion growth habit, a common protective adaptation to high wind, crushing snow loads, strong ultraviolet light exposures. Many dryland plants adopt similar growth habits.

hybrid - plants resulting from crossbreeding two related species, often produces vigorous plants with larger blooms.

involute - leaves with margins turned up, this often creates interesting two-toned effects due to color differences between top and bottom leaf surfaces.

lean - soil that is usually very well-drained but also lacking in fertility. In such soils, alpine plants retain their true character of dense, compact growth and often flower much more profusely than when grown in richer soils. Most importantly, alpines tend to be hardier and longer-lived under lean conditions.

monocarpic - plants that live and grow for one to several years then die after blooming, many such plants produce prolific quantities of seed thus ensuring a good crop of new plants in succeeding years.

palmete - leaves divided into leaflets & arranged like the fingers of a hand (ie. maple leaves).

pan - shallow containers for growing special miniature plants. Like an alpine trough (see below) but generally used for even smaller plants.

pavement - areas of horizontal exposed fissured bedrock; alpine plants often colonize the meandering vertical crevices between slabs; these conditions of free drainage & cool root runs can be simulated in the garden using flagstones, patio blocks.

pinnate - compound leaves divided into leaflets arranged in parallel rows like the individual fibres along the shaft of a feather (ie. elm, ash, rose leaves).

procombent - stems that more or less lay flat on the ground.

revolute - leaves with margins turned under, often appearing needle-like.

scree - in nature, a sloping area below cliff faces and covered with a shifting layer of broken rock. Artificial screes created in the garden consist of a deep layer of stone chippings or fine gravel laid over a bed of porous, lean soil. Whether made on a slope or on flat ground, these conditions allow the successful culture of many choice alpine plants that would otherwise be sensitive to winter wet or poorly drained soils.

serrate - sharply-toothed margins.

sharp drainage - extra porous soil that allows water to drain quickly through. Usually created by adding large quantities of coarse sand or fine gravel to existing soils.

shrublet - miniature shrubs, often with a persistent woody base and top shoots that are deciduous and replaced yearly with new growth.

spathulate - spoon-shaped leaves

trough - cement, wood or stone planter used to make miniature landscapes of alpine plants. Usually filled with porous soil mix and mulched with chipped stone. When raised to a comfortable working height, these make delightful gardens for the elderly or handicapped while for those with limited room, they offer the opportunity to grow a wide variety of beautiful plants in a small space.

tufa - a porous type of limestone rock used for many years in European rock gardens and now becoming popular in North America. It is soft and can be worked with light tools. Many alpine plants will grow on or directly in it. The rock develops a very attractive patina with age while the plants growing in it are naturally dwarfed and maintain extremely compact growth habits.

xeric plant - drought-resistant plants that can survive on natural levels of precipitation once established.

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