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PLANTLIST 2011



Shopping Cart

Check out our new and much-improved web site. Ender has spent a lot of work building a full-featured e-commerce site, saving me from learning php and mysql. We are running the same software that some of the largest sites on the web are using. The shopping cart is very secure and works great. Besides being very easy to order, we now have pictures of most of the plants in the catalog, not just thumbnails but medium and large images as well. All are pre-scaled to keep load times to a minimum and to give you the best quality pictures. By summer we should have pictures of every plant we grow, assuming I manage to catch them in bloom. A number of people have donated pictures, thanks to all, you know who you are. If you do wish to donate any pics we are missing, the simplest way is to mail us a disk; our bandwidth limits preclude downloading big files. If you want to check out the new shopping cart along with all of the new pictures simply go to <http://www.arrowheadalpines.com/> and click the Shop Here link on the main page. Remember to keep checking the cart because we will have some late additions that are web only, in the past we had to hold these things for a year but now they will be available much sooner. You can browse the shopping cart to your hearts content without buying but if you do want to add a few things to your cart, we won't object. As always you can still order the old fashioned way with a paper order. We do still accept phone orders however, I am not around as much, so if at all possible use the cart or order form. I do still answer plant questions and try to be as helpful as I can, please do not leave a huge set of questions on the answering machine it just jams it up, call back in the early evening and talk to me. I have even answered questions about plants purchased elsewhere, the joys of being an unpaid consultant. You can also go directly to <http://www.arrowheadshopping.com/>. The site is very fast; our host has an oct-28 connection directly into the Internet backbone. This is like having hundreds of t1 lines; it takes broadband to insane levels. I would love to have a connection like that.

SHIPPING CHARGES

\$0.00	to	\$50.00	add	\$15.00	AK, AZ, CA, ID, MT, NM, NV, OR, TX, UT, WA, WY	\$22.50
\$51.00	to	\$100.00	add	\$20.00	AK, AZ, CA, ID, MT, NM, NV, OR, TX, UT, WA, WY	\$30.00
\$101.00	to	\$150.00	add	\$25.00	AK, AZ, CA, ID, MT, NM, NV, OR, TX, UT, WA, WY	\$40.00
\$151.00	to	\$200.00	add	\$30.00	AK, AZ, CA, ID, MT, NM, NV, OR, TX, UT, WA, WY	\$50.00
\$201.00	to	\$250.00	add	\$37.50	AK, AZ, CA, ID, MT, NM, NV, OR, TX, UT, WA, WY	\$62.50
\$251.00	to	\$300.00	add	\$45.00	AK, AZ, CA, ID, MT, NM, NV, OR, TX, UT, WA, WY	\$75.00
\$301.00	to	\$350.00	add	\$52.50	AK, AZ, CA, ID, MT, NM, NV, OR, TX, UT, WA, WY	\$87.50
\$351.00	to	\$400.00	add	\$60.00	AK, AZ, CA, ID, MT, NM, NV, OR, TX, UT, WA, WY	\$100.00
\$401.00	to	\$450.00	add	\$67.50	AK, AZ, CA, ID, MT, NM, NV, OR, TX, UT, WA, WY	\$112.50
\$451.00	to	\$500.00	add	\$75.00	AK, AZ, CA, ID, MT, NM, NV, OR, TX, UT, WA, WY	\$125.00
\$501.00	to	\$550.00	add	\$82.50	AK, AZ, CA, ID, MT, NM, NV, OR, TX, UT, WA, WY	\$137.50
\$551.00	to	\$600.00	add	\$90.00	AK, AZ, CA, ID, MT, NM, NV, OR, TX, UT, WA, WY	\$150.00
\$601.00	to	\$650.00	add	\$97.50	AK, AZ, CA, ID, MT, NM, NV, OR, TX, UT, WA, WY	\$162.50
\$651.00	to	\$700.00	add	\$105.00	AK, AZ, CA, ID, MT, NM, NV, OR, TX, UT, WA, WY	\$175.00
\$701.00	to	\$750.00	add	\$112.50	AK, AZ, CA, ID, MT, NM, NV, OR, TX, UT, WA, WY	\$187.50
\$751.00	to	\$800.00	add	\$120.00	AK, AZ, CA, ID, MT, NM, NV, OR, TX, UT, WA, WY	\$200.00
\$801.00	to	\$850.00	add	\$127.50	AK, AZ, CA, ID, MT, NM, NV, OR, TX, UT, WA, WY	\$212.50
\$851.00	to	\$900.00	add	\$135.00	AK, AZ, CA, ID, MT, NM, NV, OR, TX, UT, WA, WY	\$225.00
\$901.00	to	\$950.00	add	\$142.50	AK, AZ, CA, ID, MT, NM, NV, OR, TX, UT, WA, WY	\$237.50
\$951.00	to	\$1,000.00	add	\$150.00	AK, AZ, CA, ID, MT, NM, NV, OR, TX, UT, WA, WY	\$250.00

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CONIFERS

Welcome to the conifer section of the catalog, a brief note about sizes S.P. refers to everything from 2.5" deep pots to quarts, G.: G is G we have round G's and square G's big G's and little G's (still looking for the G spot) all are bigger than S.P and smaller than BAP. B.A.P. is Arrowhead slang for yet larger pots the acronym is obvious especially after moving them all day.

As you would expect prices reflect size and rarity

Prices are guaranteed only for spring shipment, in fall some of them may change, (many will not) if you are ordering for fall

check with us for updated pricing.

QUANTITY BREAKS ARE ON PAGE 4:

CEDRUS

I have always admired the true Cedars but until recently considered most of them too tender to be practical here. I am starting to re-think that position. Part of the problem in the past seems to have been because most cultivars were grafted onto tender forms of deodara. Now that some of the hardier forms are available on their own roots they are proving remarkably tough, and plants large enough to cone are starting to show up in our area. Cedrus have been devastated in the wild due to over harvesting for timber and the genus has been devastated by taxonomists who have now lumped everything into just two species.

CEDRUS DEODARA 'GOLD CONE' G. -1@ \$29.00

A narrowly conical form with golden foliage and strongly pendulous branches, like all the Flora Vista introductions hardiness is suspect here, nevertheless a fantastic plant a bit further south.

CEPHALOTAXUS HARRINGTONIA 'DUKE GARDENS' G. -1@ \$29.00

A low spreading plant with dark green leaves; Plum Yews are not the easiest of things to root, making it difficult to keep up with the demand.

CEPHALOTAXUS HARRINGTONIA 'PROSTRATA' S. P.1@ \$29.00

A prostrate form found by Hornbrook and introduced by Hillier in 1923.

CEPHALOTAXUS KOREANA S. P.1@ \$29.00

Now generally listed as a variety of Cephalotaxus harringtonia, most forms in cultivation are low growing.

CEPHALOTAXUS SINENSIS G. -1@ \$29.00

A small tree from central and western China with shredding bark. It reaches about 10m in height and can be distinguished by the bluish underside of the leaves. As Cephalotaxus go this is one of the hardier species but still needing a fair bit of protection here.

CHAMAECYPARIS

A small genus in numbers but huge in terms of horticultural importance, Chamaecyparis provide a look unmatched by any other conifer. They are remarkably adaptable growing in everything from full sun to rather deep shade. They do grow much more open in shade but the overall effect is still charming. With the exception of thyooides, they dislike wet but other than that they are quite tolerant of varying soil types. Many cultivars will burn the first few years, especially in windy sites however once they get their roots down the winter burn decreases dramatically. Winter burn is often most evident in plants that were grown in the Pacific Northwest and shipped to colder regions; it can take them a few seasons to acclimate to harsher conditions.

CHAMAECYPARIS LAWSONIANA 'AFF VAN PELTS' S. P. -1@ \$29.00

Cuttings from Kay and Gary's private garden at Gee Farms. This is the most incredible powder blue plant with a broad columnar habit; it looks spray-painted. Better still, it survived the two -29 winters from hell without a scratch, unheard of for a lawsoniana. Everyone, who saw it fell in love, alas there was only the single plant, which was not for sale. The name given to Gary was Van Pelts so naturally, he scoured the West Coast looking for more but alas, they are not the same.

CHAMAECYPARIS LAWSONIANA 'BLUE SURPRISE' S. P. -1@ \$19.00

A conical plant with bluish gray juvenile foliage originating in 1968 as a seedling raised by P.J. De Beer in Holland.

CHAMAECYPARIS LAWSONIANA 'ELLWOOD'S PILLAR' S. P. -1@ \$19.00

A dense slow growing upright column, Brigitta had this in a trough and it was spectacular, of course she croaked it but that's a different story.

CHAMAECYPARIS LAWSONIANA 'TREASURE ISLAND' S. P. -1@ \$19.00

Another slow growing dwarf cultivar comparable to the Ellwood series.

CHAMAECYPARIS NOOTKATENSIS 'COMPACTA GLAUCA' -1@ \$19.00

Non-weeping with good bluish green foliage, it is quite unlike the typical strict weeping plants you so often see in the landscape.

CHAMAECYPARIS NOOT. 'PENDULA' BROAD FORM S. P. -1@ \$19.00

These are cutting raised from a plant in the Harper collection, very broad and dense with weeping tips, pair it with Green Arrow or Van Den Aken for the odd couple look.

CHAMAECYPARIS OBTUSA 'GOLD FERN' S. P. -1@ \$29.00

A 1980 mutation of Fernspray gold with mostly juvenile foliage found by John Emery.

CHAMAECYPARIS OBTUSA 'LACY' S. P. -1@ \$19.00

No relation to Scott Peterson, Lacy is upright and open growing with fine textured adult foliage and refreshingly little media coverage.

CHAMAECYPARIS OBTUSA 'SAFFRON SPRAY' S. P. -1@ \$29.00

An excellent sport of 'Chabo-Yaderi' with feathery green juvenile foliage and splashes of bright golden yellow adult foliage neatly interspersed creating a lovely two tone effect.

CHAMAECYPARIS OBTUSA 'TETRAGONA AUREA' S. P. -1@ \$19.00

A compact upright conical plant that can reach 3m, golden with a greenish interior and a distinctive habit; it has been around since 1870, it tends to burn a bit on windy exposures, but colors best in full sun.

CHAMAECYPARIS OBTUSA 'TSATSUMI' G. -1@ \$29.00

An old cultivar from Japan with dark green tufted and twisted foliage. Elm City Nurseries once listed tsatsunami, which is probably the same plant.

CHAMAECYPARIS OBTUSA 'WELLS SPECIAL' S. P. -1@ \$24.00

One of the nicest larger growing obtusa clones deep green in color, upright habit.

CHAM. PISIFERA 'SQUARROSA INTERMEDIA' S. P. -1@ \$19.00

The most popular of the squarrosa forms we offer, it makes a wonderful bonsai with a bit of shearing, caliper up quickly to a head of soft fine textured blue foliage. We offer the juvenile form of intermedia which is also known as Chamaecyparis pisifera 'Squarrosa pygmaea'. There is also a widely grown reversion with whip-like branches that are tufted with compressed juvenile foliage.

CHAMAECYPARIS PISIFERA 'SQUARROSA LOMBARTS' G. -1@ \$29.00

A French variety disseminated by Welch in 1979 it's a more vigorous squarrosa Dumosa, with deep blue foliage that turns copper-bronze in winter.

CHAMAECYPARIS PISIFERA 'TSUKUMO' S. P. -1@ \$24.00

Resembles 'Minima', but has a finer textured foliage. Very winter hardy, one of the best small cultivars for troughs, forms a cushion wider than high, extremely slow growing.

CHAMAECYPARIS THYOIDES 'RED STAR' S. P. -1@ \$24.00

By far my favorite thyooides, with very unusual dense juvenile foliage. It is the quintessential great looking, crappy growing clone, notorious for dropping dead at the slightest disturbance.

CRYPTOMERIA JAPONICA 'BLACK DRAGON' G. -1@ \$29.00

A densely upright conical plant with light green nodding new growth that ages to a very deep green. Buchholz considers it one of the best dwarf cultivars.

CRYPTOMERIA JAPONICA 'KILMAKURROUGH' G. -1@ \$19.00

A dwarf cristate form it looks like a broom of cristata but finer textured, this originated in Ireland around 1966.

CRYPTOMERIA JAPONICA 'LOBBII NANA' S. P. -1@ \$49.00

A plant of muddled nomenclature the name 'Lobbii Nana' which is in general use is considered invalid by Welch. Apparently there is more than one 'compacta nana' or whatever circulating, ours forms a medium sized ball with pincushion new growth.

CUNNINGHAMIA KONISHII 'COOLWYN COMPACT' S. P. -1@ \$24.00

This looks more or less like 'Little Leo' but slightly larger. It has not been as vigorous for us and generally seems a bit more finicky, on the other hand, it looks great.

CUNNINGHAMIA LANCEOLATA 'TOM DODD' S. P. -1@ \$19.00

A broom with rather short deep green needles and irregular growth. This is much more irregular and larger growing than 'Little Leo', there is a good photo in the Raulston slide collection.

CUPRESSOCYPARIS LEYLANDI G. -1@ \$39.00

Cupressus macrocarpa x Chamaecyparis nootkatensis a fast growing conifer widely used for screening and hedging, however it tends to burn in exposed sites.

CUPRESSOCYPARIS LEYLANDI 'GOLD RIDER' G. -1@ \$29.00

A surprisingly hardy gold form that was introduced from Holland in 1985, it is moderately slow growing and considered the best by Van Hoey Smith.

CUPRESSUS CASHMIRIANA WEEPING FORM S. P. -1@ \$19.00

A somewhat mysterious plant, beautiful in a semitropical garden, tall and slender with an open tiered habit and slender weeping feathery branches cloaked in delicate bluish gray foliage. Strangely enough it is not known in the wild.

CUPRESSUS CHENGIANA VAR. KANSUENSIS S. P. -1@ \$24.00

A rare species from western China forming a fine textured column that can reach 35' or more, full sun and well drained soils this seems extremely hardy for a Cupressus.

CUPRESSUS GLABRA 'SULPHUREA' S. P. -1@ \$29.00

Considered by some to be a form of Cupressus arizonica 'Sulphurea' is like a yellow version of 'Blue Ice'. Glabra is in general one of the hardest Cupressus however, it remains to be seen if 'Sulphurea' fares as well.

CUPRESSUS JIANGENSIS S. P. -1@ \$29.00

Related to chengiana and even rarer, it too seems extremely hardy; indeed the only problem is inducing cuttings to root.

CUPRESSUS SEMPERVIRENS VAR. DUPREZIANA S. P. -1@ \$29.00

Considered by some to have specific rank C. dupreziana is a geographical form of sempervirens. It is exceedingly rare with colonies of thousand year old specimens in the Tassili mountains between Ghat and Djanet Morocco in the northern Sahara which were discovered in 1864 but many have since been destroyed. Only 150 or so plants remain in the wild. Established plants are drought tolerant to say the least, this may be the ultimate xeriscape conifer.

CUPRESSUS SEMPERVIRENS 'WORTHIANA' S. P. -1@ \$39.00

A listed but obscure name this was distributed by Heronswood from a Logan Calhoun collection, and seems to be one of the hardest forms.

EPHEDRA

Weird and wonderful primitive gymnosperms, with leafless green jointed photosynthetic stems and attractive fleshy orange berries, you couldn't look less like a pine tree of you tried. All seem easy in the open rock garden, with no pests, which rather explains how they managed to survive for so long. Many contain ephedrine or related alkaloids and have thousands of years of medicinal use behind them; personally, I buy Pseudoephedrine at the grocery and leave mine undisturbed.

EPHEDRA MINIMA S. P. -1@ \$15.00
Distinct species separate from 'minuta', 6" entangled mound of thin blue green stems ex Alps.

EPHEDRA MINUTA S. P. -1@ \$15.00
Native to the high regions of Western China 'minuta' is one of the best small species, it is perfect in a trough, and unlike most of the Ephedra we offer, these are propagated vegetatively from a select clone.

GINKGO BILOBA S.P. 15.00
The straight species these are unsexed clones from seed; essentially wild type these are not grafts but can be used as understock if you so desire. 'Horizontalis', 'Tsch-Tsch' and 'Witches Broom' might make an interesting combination.

JUNIPERUS

Like Thuja, Juniperus suffers a bit from over exposure, and like Thuja its popularity is deserved. When it comes to unkillable, few plants can beat them, planted in a hot dry sunny spot junipers will out survive almost everything. The trick with Junipers is to use some of the better forms. The problem is the very best ones are rarely available because cuttings are so difficult to root. Plants like Juniperus communis 'Echiniformis' and Juniperus rigida pendula are among the elite and worthy of a place in any garden. That is not to say the commoner ones are bad. They provide much needed filler in newer gardens, and are perfect chain saw sacrifices for your solstice party; once their slower growing companions come into their own. They also can make quite a statement by themselves; the Juniper collection at Hidden Lake Gardens is a prime example. Check it out along with the incredible Harper Collection; Hidden Lakes conifers will transform your garden vision.

JUNIPERUS COMMUNIS 'NANA' G. -1@ \$24.00
Dwarf low growing with congested foliage

JUNIPERUS COMMUNIS 'PUNNETT'S HEDGEHOG' S. P. -1@ \$19.00
A faster growing sport of 'echiniformis' that Punnett found it is still slow. A first ever offering, these are first season cuttings and small, plants will be larger if fall shipping is selected.

JUNIPERUS HORIZONTALIS BLUE HORIZON' G. -1@ \$19.00
An older clone, very flat with a nice uniform habit, we were impressed by the 12' wide flat circle we saw at Hidden Lake.

JUNIPERUS HORIZONTALIS 'KAY'S YELLOW VOMIT' S.P.-1@ \$15.00
Brigitta picked up a stressed out yellow juniper at Gee's. Kay made fun of her for wanting that ugly yellow vomit looking thing; with a name like that it has to sell.

JUNIPERUS HORIZONTALIS 'PANCAKE' S.P.-1@ \$19.00
Aptly named this is flatter than Wiley Coyote after a boulder fell on him; by far the flattest juniper we have ever seen. I'm tempted to have Punnett graft one on top of a skyrocket for the ultimate in strange.

JUNIPERUS PINGII HARDY FORM S.P.-1@ \$19.00
A Chinese species that can reach 30m in height, it has been confused with squamata in the past. These are from the fantastic plant in Gary Gee's collection, fully hardy to at least -20f in an exposed site.

JUNIPERUS RECURVA BAP.- 1@ \$39.00
Mojmir's collections from 3600m Kumbu Himal on the classic route up Everest (the Kumbu icefall is the most dangerous spot on Everest). Krussman lists Juniperus recurva as zone 8-9 however from this altitude it should damn well be hardy, especially since it ranges into Kashmir. (Which reminds me does anyone know where to find a live recording of the Jethro Tull-Lucia Micarelli rendition? Lucia is an amazing barefoot Julliard trained violinist that can play Jimmy Page guitar solo's). Low altitude forms can grow to 10m or more, but at this altitude I would expect it to be dwarf. Look for the Kashmir video on Lucia's website or U tube for the unauthorized version, not to mention the Tony Snow/ Leslie West version of Stormy Monday.

JUNIPERUS RIGIDA S.P.-1@ \$19.00
Seed grown from weeping forms, , all are excellent clones; these mostly have the habit of Punnett's clone sending a strong leader straight up with pendulous lateral branches but with a less strict habit. Rigida is by far my favorite large juniper, and I am amazed that it is not more common, large plants are truly spectacular. If you don't yet grow this, you need it, and even if you already have it, you need a spare.

JUNIPERUS SQUAMATA BLUE STAR S. P. -1@ \$15.00
Immensely popular this originated as a witches broom on 'Meyeri' in Holland around 1950. It is compact with good blue color it requires very little pruning and is an excellent choice for commercial landscapes.

JUNIPERUS SQUAMATA 'CHINESE SILVER' G. -1@ \$24.00
A Hillier introduction from 1971, it forms a small upright tree with silvery green foliage that is semi pendant; see the photo in the Conifer Encyclopedia.

JUNIPERUS SQUAMATA 'STAR DUST' S. P. -1@ \$19.00
A variegated sport of 'Blue Star' with irregular creamy shoots, Brigitta insists that it is a more intense blue but I'm voting for optical delusion.

MICROBIOTA DECUSSATA 'JACOBSEN W.B.' S. P. -1@ \$19.00
An extremely cool new plant for us. It was found by Arne Vagn Jakobsen of Denmark and introduced by Horstman in 1990. It forms a very dwarf globular bush with fine textured foliage. Microbiota is monotypic and has been in cultivation for quite some time however named forms are practically nonexistent. I saw a tiny one auction for a few hundred bucks at the ACS auction a couple years ago.

PODOCARPUS ALPINUS 'COUNTRY PARK FIRE' S. P. -1@ \$15.00
A low spreading form with bright red berries in fall which are attractive clinging to the bronze winter foliage, in spring the new shoots emerge creamy and quickly turn salmon pink then reddish and finally deep green.

PODOCARPUS ALPINUS 'RED TIP' S. P. -1@ \$15.00
Gymnosperm indeed! Yes, this naked seeded little beauty is hardy here as well, although it shivers so badly it's tips turn red. But hey, I don't see you doing any nude Snow Angels.

PODOCARPUS LAWRENCII 'PURPLE KING' S. P. -1@ \$15.00
A vigorous somewhat open growing clone developed in New Zealand about fifteen years ago, the winter foliage is a beautiful shiny purple.

PODOCARPUS NIVALIS S. P. -1@ \$19.00
A low growing species from the mountains of New Zealand. It is surprisingly hardy, with yew like foliage and berries, unlike many Podocarpus species this will tolerate alkaline soils.

SEQUOIA SEMPERVIRENS 'KELLY'S PROSTRATE' S. P. -1@ \$19.00
A flat growing form of the Coastal Redwood, considerably hardier than you would think, especially in areas with good snow cover, this would be much more popular if it wasn't such a bitch to root.

TAXUS BACCATA FASTIGIATA S. P. -1@ \$15.00
A slow growing, fascinating strictly columnar form 30' x 4', blackish green leaves.

TAXUS CUSPIDATA 'BRIGHT GOLD' S. P. -1@ \$24.00
Much brighter gold than Taxus baccata 'Aurea', 'Bright Gold' is slow, with a spreading habit.

TAXUS X MEDIA 'MAUREN' S. P. -1@ \$19.00
A narrow columnar form, 'Mauren' originated with Joseph Reis. It has been around since 1983 but remains rare in collections. In our garden it is about 3' high and 2" in diameter after several years benign neglect (pruned only by rabbits).

THUJA

Thuja gets no respect; most conifer collectors see them as second rate Chamaecyparis. It is true that they lack the delicate graceful presence that many Chamaecyparis bring to the garden, however Thuja excels in other areas. As huge specimen plants they are unbelievable, rivaling giant redwoods in size lending an almost primordial look to the garden. Ok, I admit it; it does take forever to achieve this look but even as younger plants they are not without merit. The genus offers an impressive array of forms and textures and best of all they are as close to indestructible as conifers get. They will grow in nearly standing water or in dry sand beds, in full sun or dense shade; they may not like it but they will live.

THUJA KORAIENSIS GLAUCA PROSTRATA S. P. -1@ \$19.00
A rare low growing glaucous form of Korean Thuja, one of only a handful of cultivars of this seldom offered species.

THUJA OCCIDENTALIS 'BOWLING BALL' S. P. -1@ \$19.00
A magnet for corrupted labels we have seen 'Boiling Ball' and 'Bolling Ball', on tags at other nurseries, not to mention Linesville, which is apparently synonymous as well. Considering the plant is a round witches broom with no apparent effect on the temperature of nearby liquids and we are a bit unclear as to the Bolling reference (which sounds like some kind of British sex slang). We will go with 'Bowling Ball' although its utility in that sport is somewhat questionable. To complicate matters yet further there is also a 'Bobazam' aka 'Mr. Bowling Ball' which may or may not be different.

THUJA OCCIDENTALIS 'EMERALD GREEN VARIEGATED' S. P. -1@ \$19.00
My current favorite when it comes to variegated Thuja occidentalis cultivars excellent green color with lots of splash, these are spectacular.

THUJA OCCIDENTALIS 'FILIFORMIS' S. P. -1@ \$19.00
A thread stemmed juvenile form, there are a number of these stringy cultivars and it is nearly impossible to tell one from the next. I find myself strangely drawn to these every time I visit the Harper Collection, despite the presence of other more exotic specimens.

THUJA OCCIDENTALIS 'MINIMA' S. P. -1@ \$19.00
One of the smallest forms, from a distance you could mistake it for one of the small Hinoki clones. It is immensely tougher, great for difficult sites.

THUJA OCCIDENTALIS 'OHLENDORFII' S. P. -1@ \$19.00
Raised by Ohlendorff nurseries in Hamburg in 1887, it features quadrangular stems of imbricated scale like leaves with tufts of protruding adult foliage at the tips.

THUJA OCCIDENTALIS PENDULA S. P. -1@ \$19.00
A stiffly weeping form that dates to the mid 1800's, as a young plant it is somewhat unimpressive; however, it becomes an imposing specimen with age if I could just get that teleporter working I could beam a hundred and fifty year old specimen next to our pond.

THUJA OCCIDENTALIS 'TEDDY' S. P. -1@ \$19.00
An outstanding little bun a bit taller than wide, this is the only Thuja we grow that is small enough for a trough. 'Teddy' hardly resembles a Thuja due to the extremely compact juvenile foliage.

THUJA OCCIDENTALIS EX WATANONG S. P. -1@ \$15.00
A dwarf form that we have grown for years, originally from 'Watanong'. It probably has a better name; if anyone knows its history let us know.

THUJA OCCIDENTALIS 'WAREANA' S. P. -1@ \$19.00
This dates back to Coventry England around 1821, nurseryman's name was Ware. The plant is a bit reminiscent of T. orientalis but is actually T. occidentalis var. sibirica.

THUJA ORIENTALIS 'FRUITLANDI' BAP. -1@ \$49.00
Upright conical form with a rich green color looks as if it will soon get quite large.

THUJA ORIENTALIS 'VAN HOEY SMITH' G. -1@ \$29.00
I like this even better than 'Emerald Green Variegated', finer textured with a lacy open look, T. orientalis is generally a bit tender here however we have it on an exposed south western corner of our shipping building in a very windswept barren spot in full sun and it does just fine. The original plant is in Trompenburg not under the name 'Van Hoey Smith'. The name came about through a mix up; Van Hoey Smith who is sort of curator emeritus sent a cutting to the states with only his name on the label, oops.

THUJA ORIENTALIS 'VAN HOEY SMITH SPORT' BAP. -1@ \$49.00

We were walking around Gees in the middle of last winter freezing our asses off with Gary when we noticed this mutation on his 'Van Hoey Smith'. It was variegated but different. He was going to prune it out and trash it (probably the cold had shut down his high brain functions) we rescued it from oblivion.

THUJA PLICATA 'GEORGE WASHINGTON' G. -1@ \$24.00
A large, broad pyramid with bright gold variegation in the center of its leaflets.

THUJA PLICATA 'HOLLY TURNER' G. -1@ \$24.00
We got this from Heronswood years ago, several people have seen it in the stock house and asked about it (everyone wants the thing you didn't propagate). As far as I know it was named for Holly Turner from the National Arboretum.

THUJA PLICATA 'WHIPCORD' S. P. -1@ \$19.00
Similar in general appearance to Thuja occidentalis 'Filiformis' with the leaves reduced to scaly lizard tails, dangling downwards as if hung by Shrikes in Hitchcockian numbers. It is a horror to some.

THUJOPSIS DOLABRATA VAR HONDAI S. P. -1@ \$29.00
The rarely available Northern Japanese variety of this curious monotypic Thuja relative, it has the same thick flattened branchlets but with improved cold tolerance. This will eventually become a tall monoecious tree, perfect for landscaping imported car dealerships.

THUJOPSIS DOLABRATA NANA S. P. -1@ \$19.00
In cultivation since the 1800's, it is a dwarf-rounded clone that will eventually form a ball several feet across. If you insist on meatball landscaping at least do it with style.

THUJOPSIS DOLABRATA 'VARIEGATA' S. P. -1@ \$49.00
Irregularly variegated with large patches of white, it can be a spectacular specimen especially if pruned to enhance its variegation, but generally looks great even with no pruning whatsoever.

TORREYA NUCIFERA VAR. SPHAERICA S. P. -1@ \$19.00
Probably the hardiest of the Torreya species this Japanese botanical relic is highly desirable at least to conifer collectors. The nutmeg like fruits are supposed to be edible, I'm sure they are delightful when served with raw octopus and sea urchin eggs.

WIDRINGTONIA NODIFLORA S. P. -1@ \$24.00
Krussman considers it part of *Widringtonia cupressoides* and calls it zone 6 hardy. Its known locally as Sapree Wood, and is somewhat similar to *Callitris*. I never expected this rare South African conifer to root but it did, adding yet another obscure plant for your gardening enjoyment. We think this should be much more widely used especially in the south and southwest. It really is a cool looking plant .

HOW BIG DOES THIS GET?

This is a question I have come to abhor at least as it relates to woody plants, dwarf conifers in particular seem to evoke it, however these comments apply to woody plants in general. First and foremost, these things tend to be long lived, many can live for hundreds of years and they continue to grow throughout their life. They are not like people and do not reach a certain height and stop, look at the new annual growth, plants will continue to grow that much taller (and don't forget wider) each year unless pruned. They never stop! If you don't believe this just look around in spring and see how much bigger your plants are. How big will they get? Measure the annual growth and do the math, keep in mind that plants often grow faster when removed from pots and given unlimited root run in the garden. They may slow down a bit with age but they do not stop growing. If you don't believe this get out your binoculars and look at the top of the tallest conifer you can find. Visit some old collections or check out the photo of *Picea abies* 'Nana' in the Conifer Encyclopedia and stop asking how big does this get. Strongly weeping forms that are high grafted or staked do give some control over ultimate height but my advice is to invest in a good set of pruners if you are serious about keeping things to a fixed height, or adopt the Punnett method and just chain saw them when they outgrow your garden. Although in Dick's case if he waits long enough some huge Oak or Ash will just fall on it and smash it flat. Between a few years of drought and the damage done from Gypsy Moth and Emerald Ash Borer not to mention windstorms, lightning strikes, and ice storms, his woodland garden is looking a bit like a prairie. Worse still, the deadfalls have an absolute knack for landing on treasured plants. (They never seem to hit deer or bunnies). How big does it get, the answer is simple it gets huge and then it falls on something more valuable.

POT SIZES

You will notice several abbreviations for pot sizes in the catalog; S.P. stands for small pot and is any pot smaller than a Gallon. In spring, it may be in a 2.5"-32cell and by fall, it may be in a 15 (quart) but since we are continually potting things up and to keep things simple we call everything less than gallon a S.P. G is obvious it stands for Gallon. This could be either a square gallon or a round Gallon. Different pot manufacturers all make slightly different sized pots and call them gallons. None of them holds exactly a gallon of liquid. Gallon is a generic term in the nursery industry and not a volume measure. We have things in 2 gallons, again, this is a generic term. Anything larger than a 2 gallon we classify as a B.A.P. Our nursery acronym for Big Ass Pot which is what everyone calls them after spending a day moving them around the nursery. B.A.P.'s could be 3 Gallons or 10 Gallons for catalog purposes we do not differentiate. When we ship things larger than S.P.'s, (we sometimes leave gallons in the pot) we remove as much of the soil as we can safely shake off and wrap the resulting root ball with plastic stretch wrap, (the stuff that is used for wrapping pallets). The resulting lighter smaller root ball saves on shipping and greatly reduces breakage in transit.

PLANT BREEDING FOR DUMMIES

Hey, want to be a writer, do yet another dummies book, its sure to sell a zillion copies; fortunately I'm made of stronger stuff so I will just summarize the book that will never be.

Step 1. Save seed from some good garden forms of the plant you want to breed, (*Heuchera* or *Hosta* or *Hemerocallis* is a good choice.) Forget the new wild genetic material, that is for the advanced master gardener version and besides its probably politically incorrect to use wild material, its best left where it is so the folks in Rio can burn it. If you forget to save seed, order some from one of the seed exchanges, the donor probably saved it from good forms anyways. Forget that stuff about stamens and sex it is too much like work; actually just forget the stamen part and hum a bit of Night Moves.

Step 2. Sow the seed and name every conceivable minor variation that may occur, preferably with cutesy or ego boosting names, avoid anything that might be informative as to the nature of the cultivar. Trademark the cutesy names.

Step 3. Apply for a patent but first change the cultivar name to something utterly un-saleable ('Toadscat #5417' or something similar will do) Don't worry if they never grant the patent just use P.P.A.F. for the next 50 years. It is cheaper to just apply anyway. Alternatively pay up and collect your patent, they will grant them for anything nowadays, it doesn't matter if it looks just like all the others or doesn't differ from wild type, nor does it seem to mater if you put any effort into actually breeding it. (Producing a *Meconopsis blue Trillium grandiflorum* is a whole different deal and beyond the scope of this work)

Step 4. Market your plant extensively under one of your trademarked names (pick at random or use the same name for more than one plant, it saves on trademark costs) remember it doesn't matter how ugly it is; with Photoshop anything is possible. (Complaints that it doesn't look anything like the picture can be handled by telling the customer he needs to grow it on for two years in full sun before the variegation will appear, don't laugh this one has been used on us)

Step 5. If the above seems like too much work just find some old cultivar and re introduce it under a new trademarked name, that way you can collect royalties off someone else's efforts.

Make no mistake I fully support some sort of breeders rights (not necessarily a patent) for plant breeders who spent years meticulously crossing and recrossing, rescuing embryos, splicing genes and so forth, what I deeply resent the patent office granting patents to people who simply sow out some open pollinated seed and fill out some forms. This sort of thing is beyond contemptable.

GRAFTED CONIFERS

We have the following in two to six year old grafts, mostly two-gallon and larger pots. The quantity available for many things is generally quite small and we urge you to list a few substitutes or fax and check availability before you order; we can sometimes supply larger specimens but the price and shipping cost are obviously more, feel free to visit the nursery or inquire about larger things. Some nurseries ship the current winters grafts in spring, we don't, our two-year grafts were grafted the previous winter. Price has as much to do with rarity as size, and the price basically represents the minimum amount we are willing to part with them for. They get better with age and we are in no hurry to dump them. Dick and Brigitta spend a fair chunk of the winter grafting them and all will be worth hundreds of dollars by the time they reach 6-8' specimen size. Looked at in that light they are quite reasonably priced, in any event, they are what they are, and if you are unsure we urge you to visit the nursery and pick them yourself, we will not accept returns for size reasons. We often ship grafts that are older than two year for two year grafts however do not count on this and do not call asking us to cherry pick, we ship the best of what we have available first come first served. We are now quite confident of our sleeve packing method which prevents breakage in transit.

Prices are guaranteed only for spring shipment, in fall some of them may change, (many will not) if you are ordering for fall check with us for updated pricing.

ABIES ALBA 'BARABIT'S STAR'..... 2 YEAR GRAFT \$45.00
I suspect this is the same as Barabit's spreader, a dwarf spreading plant introduced by Barabits in Hungary around 1980.

ABIES ALBA 'BOESGER PYRAMID' 2 YEAR GRAFT \$45.00
A narrowly pyramidal form with excellent deep green foliage.

ABIES ALBA 'COMPACTA'..... 2 YEAR GRAFT \$45.00
It is indeed compact, a fine plant from Parsons Nursery in New York way back in 1887 and now rare in cultivation.

ABIES ALBA GREEN SPIRAL..... Older \$65.00 2 YEAR GRAFT \$45.00
Different from *Torulosa* this originated at Secrest in 1979, it is pendulous with twisted branches.

ABIES ALBA 'HEDGE'..... 2 YEAR GRAFT \$55.00

ABIES ALBA 'HOLDEN ARB WB'..... 2 YEAR GRAFT \$55.00

ABIES ALBA 'PENDULA' Older \$65.00 2 YEAR GRAFT \$45.00
At one time known as *Abies pectinata*. This dates back to France around 1850, it has excellent green color. It weeps quite strongly but becomes almost contorted with age, plants tend to burn the first few years but largely outgrow this once their roots are well below frost line. Ours barely turned a needle last winter.

ABIES ALBA 'PYRAMIDALIS'..... 2 YEAR GRAFT \$45.00
Quite columnar, about the only thing it has in common with the Egyptian ones is that both are equally effective at sharpening razor blades and keeping food fresh. It has been in cultivation since 1851, so it must be working.

ABIES ALBA X CEPHALONICA Older \$75.00 2 YEAR GRAFT \$45.00
This may be the same as *Abies x boris-regis*, which is geographically disjunct from these two.

ABIES AMABILIS 'HOYT HB' 2 YEAR GRAFT \$45.00
A very silver compact mounded plant from the Hoyt Arboretum in Portland it may in fact be a form of *Abies lasiocarpa*.

ABIES BALSAMEA 'FASTIGIATA' Older \$85.00
An upright columnar selection made by Armintrout Nursery, still quite uncommon in collections.

ABIES BALSAMEA 'HIGHWAY'..... 2 YEAR GRAFT \$55.00

ABIES BALSAMEA 'LAKEWOOD 09'..... 2 YEAR GRAFT \$55.00

ABIES BALSAMEA 'LARRY'S WEEPING'..... 2 YEAR GRAFT \$45.00
Weeping forms of balsam fir are few and far between, all the more reason to celebrate this weeping gem from Larry Stanley.

ABIES BALSAMEA NANA..... 2 YEAR GRAFT \$45.00
A clone of *Hudsonii* it has been around forever and for good reason it is easy to please and pleasing to see.

ABIES BALSAMEA 'PICCOLO' 2 YEAR GRAFT \$45.00
Actually this looks more like a giant moa egg than a Piccolo, still a nice enough mound from Carsten's in Germany,

ABIES BALSAMEA 'SHEPARD'S CROOK'..... 2 YEAR GRAFT \$55.00

ABIES BALSAMEA 'VERKADE'S PROSTRATE'..... 2 YEAR GRAFT \$75.00
Moderately slow growing spreading form growing flat if not staked

ABIES BALSAMEA 'ZIMMERMAN ROAD'..... 2 YEAR GRAFT \$55.00

ABIES CAANAN 'BACK FROM THE DEAD'..... 2 YEAR GRAFT \$85.00

ABIES CAANAN 'WILD CHILD'..... 2 YEAR GRAFT \$65.00

ABIES CEPHALONICA 'HUNNEWELL BROOM'..... 2 YEAR GRAFT \$45.00
A dwarf globose plant annual growth is about 2" per year.

ABIES CEPHALONICA 'MEYERS DWARF'..... Older \$75.00 2 YEAR GRAFT \$45.00
Formerly known as 'Nana' this dwarf leaderless form has been quite widely distributed in Europe by the Dutch.

CEPHALONICA 'NANA'..... Older \$75.00

ABIES CHINENSIS EXTREME DARK GREEN..... Older \$75.00 2 YEAR GRAFT \$45.00
Scions from a plant growing along the stream in Gees front garden, this has the best winter color of any Fir. An amazing lush dark green even in winter, the parent plant is apparently an unnamed seedling. I have some questions about whether *chinensis* exists as a species however the parent plant is so distinct that for now I have to trust the label.

ABIES CHENSIESIS SSP SALOUENENSIS 2 YEAR GRAFT \$45.00
A recently described geographical variant first recognized in 1987

ABIES CHENSIESIS VAR EARNSTII Older \$75.00

ABIES CILICICA Older \$75.00 2 YEAR GRAFT \$45.00
A striking Fir native from Southern Turkey through Lebanon, we were amazed to see it survive without damage here in Michigan, (it was sprayed with wilt proof). Our clone features long bluish gray needles that are arranged pectinate fashion, on an upright conical plant.

ABIES CILICICA X NORDMANIANA 'HUNNEW'..... 2 YEAR GRAFT \$45.00
Who knew indeed, this is an unlikely cross apparently no one knows because I certainly can dredge up no history on it.

ABIES CONCOLOR 'ABBY BABY'..... 2 YEAR GRAFT \$55.00

ABIES CONCOLOR 'ARCHERS DWARF' 2 YEAR GRAFT \$55.00
A conical dwarf plant with powder blue foliage that originated with J. W. Archer in Surrey. The needles are somewhat recurved and the branches tend to curl downwards

ABIES CONCOLOR 'BLUE BALL' 2 YEAR GRAFT \$75.00

ABIES CONCOLOR 'BLUE CLOAK' Older \$65.00 2 YEAR GRAFT \$45.00
A self-leadering pendant form nicely weeping with a good blue color, unless you turn on the cloaking device in which case it is invisible.

ABIES CONCOLOR 'BRADY' Older \$65.00 2 YEAR GRAFT \$45.00
One of the newer concolor brooms, I think this originated with Jerry Morris.

ABIES CONCOLOR 'CANDICANS' Older \$65.00
A silvery blue form selected in France in 1929. It is beautiful but we have yet to find a spot that it likes here, I am starting to think it may be on the tender side.

ABIES CONCOLOR 'CANDICANA NANA'..... 2 YEAR GRAFT \$55.00
A dwarf version of *candicans*, color is exceptionally blue and the plants stay compact this is a better grower than *candicans*, which tends to croak without warning for us.

ABIES CONCOLOR 'CIMMERON' 2 YEAR GRAFT \$55.00

ABIES CONCOLOR 'CONICA' Older \$75.00 2 YEAR GRAFT \$65.00

ABIES CONCOLOR 'COMPACTA' Older \$65.00
A dwarf irregular compact form with thick needles that goes back to Hornbrook in 1939.

ABIES CONCOLOR 'DEAN'S CHOICE' OLDER \$65.00

ABIES CONCOLOR 'HEARD' OLDER \$65.00
If you have ever heard of this drop me a note and I'll write a description for next year.

ABIES CONCOLOR 'HOSTA LAVISTA (H.L.G. W.B.) 2 YEAR GRAFT \$65.00
The famous concolor broom from Hidden Lake Gardens, long admired by thousands of visitors and finally in cultivation.

ABIES CONCOLOR 'KINKY' OLDER \$75.00

ABIES CONCOLOR 'LA VITA' 2 YEAR GRAFT \$75.00
Another of the newer forms, this probably originated with Jerry Morris

ABIES CONCOLOR 'MASONIC BROOM' 2 YEAR GRAFT \$55.00

ABIES CONCOLOR 'MIKE STERN' 2 YEAR GRAFT \$55.00

ABIES CONCOLOR 'ROCKFORD' 2 YEAR GRAFT \$45.00

ABIES CONCOLOR 'SIDEKICK'..... 2 YEAR GRAFT \$55.00
A Jerry Morris broom annual growth is less than 1" per year, a good compact form with rich blue color.

ABIES CONCOLOR 'STANWOOD' 2 YEAR GRAFT \$55.00

ABIES CONCOLOR 'SWIFT SILVER'..... Older \$75.00
Upright to 120" it is an excellent silvery form, very neat growth perfect for Christmas trees and big landscapes.

ABIES CONCOLOR 'WATZII PROSTRATE' OLDER \$65.00 2 YEAR GRAFT \$45.00
New shoots emerge creamy and change to grayish green, it will almost certainly leader with age.

ABIES CONCOLOR 'WAUKON' 2 YEAR GRAFT \$55.00

ABIES CONCOLOR 'WINTER GOLD'..... Older \$75.00
A Horstman introduction from 1979, insipid sickly green foliage in summer in the fashion of *Picea abies* Mountain Dew and a fairly nice gold color in winter.

ABIES CONCOLOR 'Z-MARK' 2 YEAR GRAFT \$55.00

ABIES DELAVYI FORESTII..... 2 YEAR GRAFT \$75.00

ABIES FARGESII..... Older \$75.00

ABIES FRASERI 'BLUE BONNET'..... 2 YEAR GRAFT \$55.00

ABIES FRASERI 'FANTASTICCOOLI' Older \$65.00 2 YEAR GRAFT \$45.00
Gary scrounged this, I think from Piece of Mind, a cool looking plant with a great name that is very rare in gardens.

ABIES FRASERI 'FRANKLIN WB' Older \$75.00 2 YEAR GRAFT \$55.00

ABIES FRASERI 'FREDERIC' 2 YEAR GRAFT \$55.00
A narrow columnar form with dark green needles found by Don Frederick of evergreen gardens nursery in 1970.

ABIES FRASERI 'GEE BROOM'..... 2 YEAR GRAFT \$100.00
Gary found this years ago on one of the Christmas trees, it is a flat broom and quite congested. I believe the original tree was accidentally cut but fortunately some grafts were made first.

ABIES FRASERI 'HALS'..... 2 YEAR GRAFT \$55.00

ABIES FRASERI 'JULIAN POTS'..... Older \$85.00 2 YEAR GRAFT \$55.00

ABIES FRASERI 'KLEIN'S NEST' Older \$65.00 2 YEAR GRAFT \$45.00
A spreading nested form introduced in the early seventies by Rareflora.

ABIES FRASERI PROSTRATE' Older \$75.00 2 YEAR GRAFT \$45.00
 Selected by Seth Kelsey of Mass. in 1916 obviously a low growing form.

ABIES FRASERI 'RAWLS' 2 YEAR GRAFT \$45.00
 Grafted up on short standards if you find Abies balls on a stick tasteful, than we have a deal for you.

ABIES FRASERI 'REESEVILLE' 2 YEAR GRAFT \$55.00

ABIES FRASERI 'STUPKA BROOM' 2 YEAR GRAFT \$55.00

ABIES GEORGEI Older \$65.00

ABIES GRANDIS 'JOHNSON' 2 YEAR GRAFT \$55.00
 A slow growing narrowly pyramidal form discovered in 1942.

ABIES HOLOPHYLLA Older \$75.00 2 YEAR GRAFT \$45.00
 Manchurian Fir, native to China and Korea and surprisingly scarce in cultivation, it is a bit reminiscent of Abies firma and a fine garden plant.

ABIES HOLOPHYLLA 'WILSON' Older \$65.00 2 YEAR GRAFT \$45.00
 Presumably named for the legendary E.H. Wilson, Manchurian Fir is rare in cultivation so much so that the world checklist of conifers lists not a single cultivar.

ABIES HOMOLEPIS 'PROSTRATA' Older \$75.00 2 YEAR GRAFT \$65.00
 A nice low growing form distributed by Vermeulen's, it has been around for quite a while but still is always scarce.

ABIES HOMOLEPIS 'TOMOMI' Older \$65.00 2 YEAR GRAFT \$45.00
 A dwarf form that dates to around 1908, it cones amazingly even when relatively young.

ABIES HOMOLEPIS 'VARIEGATA' 2 YEAR GRAFT \$85.00
 A 1991 Mitch introduction with irregular white variegation, it has been very slow for us.

ABIES HOMOLEPIS 'WINTER GOLD' Older \$85.00
 An interesting Nikko that turns gold in winter, scions from the plant in Gee's collection.

ABIES HYBRID HORSTMAN 2 YEAR GRAFT \$55.00

ABIES KAWAKAMII Older \$75.00
 Kamikaze karma krap, this was definitely not named by the marketing department. It is related to Abies Marisii, very rare in cultivation and sure to baffle your know it all gardening friends.

ABIES KOREANA 'ALPINE STAR' 2 YEAR GRAFT \$75.00

ABIES KOREANA 'AUREA' 2 YEAR GRAFT \$55.00
 Beautiful golden form of koreana, unstaked it will form a nest or it can be staked for a dense pyramid, very rich colored it will take full sun once established and a plant with cones is incredible.

ABIES KOREANA 'AUREA KOHOUT B' 2 YEAR GRAFT \$75.00

ABIES KOREANA 'BLAUER ESKIMO' 2 YEAR GRAFT \$65.00
 Originating in Germany around 1990, it's yet another dwarf spreading form with bluish gray leaves.

ABIES KOREANA 'BLAUER PFIFF' Older \$75.00 2 YEAR GRAFT \$55.00
 A 1979 introduction supposedly irradiated with cobalt, which may explain the name, perhaps Whittboldt-Müller was standing a bit too close. It looks like a Silberlocke broom.

ABIES KOREANA 'BLAUER ZWO' 2 YEAR GRAFT \$55.00
 A slow growing upright form with bluish grey needles and attractive cones introduced by Wustemeyer in 1970.

ABIES KOREANA 'BLUE CONE' Older \$85.00 2 YEAR GRAFT \$45.00

ABIES KOREANA 'CIS' Older \$75.00 2 YEAR GRAFT \$45.00
 A 1989 introduction from Roelvink in Holland, deep green in color and a good compact habit.

ABIES KOREANA 'COMPACTA' Older \$65.00 2 YEAR GRAFT \$45.00

ABIES KOREANA 'GELBUNT' Older \$75.00V
 A Horstman introduction with greeny-yellow leaves it looks better than my description.

ABIES KOREANA 'GLAUCA' 2 YEAR GRAFT \$45.00
 Not a dwarf it can grow 1 ft. a year. Leaves are very nice blue grey. A chemically induced mutation produced in Holland.

ABIES KOREANA 'GOLDEN GLOW' 2 YEAR GRAFT \$55.00
 A compact yellowish orange needled form from Konijn nursery in Holland in 1990

ABIES KOREANA 'GREEN BALL' 2 YEAR GRAFT \$45.00

ABIES KOREANA 'GREEN CARPET' Older \$75.00
 A very compact green form from Trompenburg.

ABIES KOREANA 'GRUBELE' 2 YEAR GRAFT \$45.00
 An extremely tight green ball introduced by Dan Hoog. My Dutch is shaky but i think it says 40cm in 10 years.

ABIES KOREANA 'HORTSMANS SILBERLOCKE' Older \$75.00 2 YEAR GRAFT \$45.00
 Grafted from one of the many clones currently being sold as 'Silberlocke'. (A prominent west coast nursery who should know better has been raising large numbers of seedlings of Silberlocke and distributing the curly ones under the cultivar name, indeed most are superior to the original Horstman clone however it screws up the nomenclature in a big way.). This one is tightly curled with a bright blue underside, and is probably closer to 'Silver Show'.

ABIES KOREANA 'ICHENFORM WESTON' Older \$75.00

ABIES KOREANA 'KRYSTAL KUGEL' 2 YEAR GRAFT \$75.00

ABIES KOREANA 'MOLLI' 2 YEAR GRAFT \$55.00

ABIES KOREANA 'NANAIMO' 2 YEAR GRAFT \$45.00
 A compact form with spectacular purple cones produced freely even when young.

ABIES KOREANA 'NIGRANS' 2 YEAR GRAFT \$45.00

ABIES KOREANA 'PROSTRATE BEAUTY' Older \$65.00
 A low growing form that cones freely, plants are not flat to the ground but are much wider than tall.

ABIES KOREANA 'SILBER MAVERS' 2 YEAR GRAFT \$45.00
 A very dwarf clone with silvery backed greenish needles, this globular form is not as tight as 'Silberkugel'.

ABIES KOREANA 'SILBERPERL' 2 YEAR GRAFT \$45.00
 Perhaps even tighter than 'Silberkugel' but not as regular and spherical forming a plant that is considerably wider than high with small silver backed leaves, this was formerly listed as Hexenbessen Horstman No. 1 when it was first offered in 1986.

ABIES KOREANA 'SILBERZWERG' 2 YEAR GRAFT \$75.00
 I'm about silbered and blauered out. If Jeddeloh would have had the good sense to call this 'Green Egg' I could have written a witty Dr. Seuss description, but what the hell can you do with

'Silberzweg'. Its not funny, its not sexy, and besides I used up all my rigid dwarf stuff on the Chamaecyparis. 'Silberzweg' is doomed to descend into oblivion, didn't Dante have a ring of hell reserved for plants with shitty names.

ABIES KOREANA 'SILVER SHOW' Older \$75.00 2 YEAR GRAFT \$65.00
 A 'Silberlocke' seedling with more tightly curled foliage that is supposed to hold better on older plants.

ABIES KOREANA 'STARKERS DWARF' Older \$85.00
 A dwarf squat plant becoming more conical with age it is similar to prostrate beauty but slower growing, coning at a young age, which is an esthetically pleasing trait in general.

ABIES KOREANA 'TUNDRA' 2 YEAR GRAFT \$75.00

ABIES KOREANA 'VERDENER DOM' 2 YEAR GRAFT \$75.00
 A dwarf compact plant with congested bright green thick needles.

ABIES KOREANA 'ZWERGFORM WUSTE' Older \$75.00 2 YEAR GRAFT \$45.00
 See Silberkugel

ABIES KOREANA X LASIOCARPA Older \$65.00 2 YEAR GRAFT \$45.00
 A plant of obscure origins I cannot even find a grex name. The cross favors lasiocarpa, in all likelihood this is the cultivar 'Waldgrenze' which was introduced by Mueller Nursery in Germany. A cross between A. koreana and A. lasiocarpa 'Glauca', a great looking upright blue plant. Our local antlered rats picked it for an antler rub this year and Brigitta declared war.

ABIES KOREANA X PROCERA Older \$65.00 2 YEAR GRAFT \$45.00
 Those promiscuous proceras are at it again pollinating everything in sight, with stunning results, this is one of the nicest Firs we have seen and very growable.

ABIES LASIOCARPA 'ARIZONICA GLAUCA' Older \$75.00 2 YEAR GRAFT \$45.00
 An old clone going back to the early 1900's with intensely silvery blue needles. This has done very well here despite a reputation for disliking midwestern summer heat; it is indistinguishable from Abies lasiocarpa 'Argentea'.

ABIES LASIOCARPA 'GLAUCA COMPACTA' 2 YEAR GRAFT \$45.00
 This seems to be identical to Abies lasiocarpa 'Arizonica compacta, compact with silvery blue foliage.

ABIES LASIOCARPA 'DUFLOON' 2 YEAR GRAFT \$55.00

ABIES LASIOCARPA 'GREEN GLOBE' 2 YEAR GRAFT \$45.00
 Introduced by Verkade in 1979 and mistakenly listed as a concolor, it is now considered a lasiocarpa cultivar. This forms a nice semi dwarf green ball.

ABIES LASIOCARPA 'MARTHA'S VINYARD' 2 YEAR GRAFT \$55.00

ABIES LASIOCARPA 'MULLIGAN'S DWARF' Older \$75.00 2 YEAR GRAFT \$65.00
 A dense compact dark green plant this supposedly originated as a seedling.

ABIES LASIOCARPA 'RAT' 2 YEAR GRAFT \$45.00
 Not sure if this was named for the rodent or the rock band, either way its got no connection to the broom, maybe rats like to nest in it? Feed the python, hum a few bars of round and round and go out in the garden and dig a hole for this thing.

ABIES MAGNIFICA 2 YEAR GRAFT \$45.00
 A huge plant reaching over 60m in the wild, it is slow growing especially outside its native habitat.

ABIES MAGNIFICA 'PROSTRATA' 2 YEAR GRAFT \$45.00
 A low growing form that has been around since 1904, it seems to be hardier than the species.

ABIES MARIESII 2 YEAR GRAFT \$45.00
 A Japanese species still quite rare in gardens, check out the photo in Krussman, it was enough to make me want it.

ABIES MAROCANA 2 YEAR GRAFT \$45.00
 Moroccan fir, considered by some to be abies pinsapo v marocana, it is hardier than you would think; I believe Gary has it in the arboretum at Gees.

ABIES NEBRODENSIS 2 YEAR GRAFT \$45.00
 Almost extinct in the wild Sicilian Fir is dwarf seldom exceeding 15m, growing on nearly barren hillsides it is much more adaptable to general garden conditions than you would expect.

ABIES NEBRODENSIS 'SICILIAN G' 2 YEAR GRAFT \$45.00
 This is so rare it is good to see people saving clones even if clone G is a bit vague.

ABIES NEBRODENSIS X UMBELLATA 2 YEAR GRAFT \$45.00
 A complex hybrid umbellata is firma x homolepis a cool plant in its own right and very nice crossed to Sicilian Fir. Gary has it out in the arboretum and it seems pretty tough.

ABIES NORDMANIANA 2 YEAR GRAFT \$45.00
 Native to the Caucasus it can reach 35m in height and is completely hardy here.

ABIES NORDMANIANA 'BRANDT' Older \$75.00 2 YEAR GRAFT \$45.00
 A low spreading clone with thick dark green needles introduced by Kingsville nurseries back in 1970.

ABIES NORDMANIANA 'HUNNELL WB' 2 YEAR GRAFT \$55.00

ABIES NORDMANIANA 'MUSTERLAND' 2 YEAR GRAFT \$100.00

ABIES NORDMANIANA 'PROSTRATA' OLDER \$100.00
 A low form this may well be procumbens, which originated in Poland in 1934.

ABIES NORDMANIANA 'PROSTRATA NANA' 2 YEAR GRAFT \$45.00
 Prostrata, procumbens, pendula and nana compacta, depending on how they are staked when young they tend to merge onto one.

ABIES NORDMANIANA 'RUSTICA' 2 YEAR GRAFT \$55.00

ABIES NORDMANIANA 'STIFF NEEDLE' Older \$75.00
 An interesting plant that we received as nordmaniana, morphologically it is quite distinct with stiff deep green bottle brush needles more reminiscent of A. numidica or A. pinsapo than A. nordmaniana. We suspect it is a hybrid, possibly Abies x insignis, in any event it has proven to be indestructibly hardy and should make a good A. pinsapo substitute for northern gardens.

ABIES NORDMANIANA 'TROUTMAN' 2 YEAR GRAFT \$45.00

ABIES NORDMANIANA 'TORTIFOLIA' Older \$75.00
 Strongly twisted and contorted, the ideal sex partner.

ABIES NUMIDICA 2 YEAR GRAFT \$45.00
 Algerian Fir, a stiff needled plant that is somewhat reminiscent of A. pinsapo, it is considerably hardier than you would expect given its origins, surviving in protected zone 5 gardens.

ABIES PINSAPO 2 YEAR GRAFT \$55.00

ABIES PINSAPO 'AUREA' 2 YEAR GRAFT \$55.00

ABIES PROCERA 'GLAUCA PROSTRATA' Older \$75.00 2 YEAR GRAFT \$45.00

Supposedly this is a plagiotrophic form that will eventually leader, it has outstanding blue color. I find procer a difficult to please when young, although established plans seem to present no problems.

ABIES PROCERA 'LA GRACIOSA' 2 YEAR GRAFT \$45.00
A green prostrate form grown from seed at Evans Farm Nurseries in 1980. It was 1.5m wide by 75cm high after seven years.

ABIES PROCERA 'SHERWOOD GOLDEN' 2 YEAR GRAFT \$75.00
Introduced by Sherwood nurseries as aurea in Aurea in 1948, the name being changed due to nomenclature rules preventing latinized cultivars, which makes little sense given the vast number of old latinized names.

ABIES PROCERA 'SILVER' 2 YEAR GRAFT \$45.00
A selection that supposedly has superior silvery blue foliage, it looks about the same color as a number of other procer clones so far.

ABIES PROCERA X KOREANA Older \$65.00 2 YEAR GRAFT \$45.00
An interesting cross, hopefully it inherited some of koreana's adaptability. I find it odd that no one has ever undertaken an extensive breeding program with controlled crosses between cultivars. Many dwarf conifers cone at a height that does not require cranes to pollinate and harvest cones.

ABIES RECURVATA Older \$75.00 2 YEAR GRAFT \$45.00
A Chinese species related to chensiesis known locally as the Min Fir, an attractive species with rigid deep green needles and a flaking bark.

ABIES RELIGIOSA Older \$75.00
Born again Druid, you need a Sacred Fir, actually religiosa is new world so it is not really a Druid thing, and has now been ignominiously relegated to Christian church decorations, which greatly offends Chuthulu.

ABIES SACHALIENSIS 'MAYRIANA' Older \$75.00 2 YEAR GRAFT \$45.00

ABIES SIBIRICA 2 YEAR GRAFT \$45.00
Tough enough to survive Siberian winters; attractive plant with deep green stiff needles.

ABIES SIBIRICA ALPINUM 2 YEAR GRAFT \$45.00
This would seem to be redundant.

ABIES SIBIRICA 'HOYT' 2 YEAR GRAFT \$45.00

ABIES SQUAMATA 'FLAKEY' Older \$75.00 2 YEAR GRAFT \$45.00
The flakey form of Flaky Fir, it sounds a bit flaky to me I suspect a tag corruption somewhere along the way. On the other hand it makes a great gift, and insinuated into certain gardens provides a subtle warning.

ABIES VEITCHII 'GLAUCA' 2 YEAR GRAFT \$45.00
A German selection with bluish green needles, this came into cultivation in the late 1960's.

ABIES VEITCHII 'H.B HEDERGOTT' 2 YEAR GRAFT \$45.00
Originating with Wustemeyer at Hedergott's Nursery in Germany in 1986 and still rather rare in collections, it forms a dense little mound of blue backed green needles much like some of the dwarf forms of koreana.

ABIES VEITCHII 'OLIVACAEA' Older \$65.00 2 YEAR GRAFT \$45.00

ABIES VEITCHII 'PENDULA' 2 YEAR GRAFT \$75.00
A fantastic stiffly weeping form, it survived last years brutal winter unscathed. (I expected it to be toast) our plant sits atop an exposed hill coning heavily but apparently not in preparation for its own demise.

ABIES VEITCHII 'SIKOKIANA' 2 YEAR GRAFT \$45.00
The Shikoku Island form which is very rare in western cultivation.

ABIES VEITCHII 'VARIEGATA' 2 YEAR GRAFT \$75.00

ABIES X ARNOLDIANA 'POULSEN' Older \$65.00 2 YEAR GRAFT \$65.00
A koreana x A. veitchii 'Poulsen' is a result of a cross made in Denmark in 1983 by Poulsen nurseries, the plant is a low flat mound and exceptional in that it often produces cones of two different colors at a young age.

ABIES X BORNMUELLERIANA 'BARNEY' 2 YEAR GRAFT \$45.00
Abies nordmaniana x Abies cephalonica, is the cross, Barney is dwarf.

ABIES X BORNMUELLERIANA 'FRANKE' 2 YEAR GRAFT \$45.00
If this is part of a series with the above, I'd guess he is a gay dwarf.

ABIES X BORRISII Older \$75.00
Abies x pardeii OLDER \$75.00 2 year graft \$45.00A hybrid between Abies numidica and Abies pinsapo

CEDRUS DEODARA 'EISREGEN' 2 YEAR GRAFT \$45.00
Another seedling from the very cold hardy Paktia group, like 'Karl Fuchs' it survived last winter in Gee's arboretum unscathed

CEDRUS DEODARA 'KARL FUCHS' 2 YEAR GRAFT \$45.00
A hardy silvery blue clone selected by Horstman from a group of seedlings (seed was collected in the Paktia province of Afghanistan) and introduced in 1979, the bluest of the Paktia forms it survived unprotected in Gee's arboretum last winter with little or no damage. The high alpine forms of deodara show impressive cold tolerance.

CEDRUS DEODARA 'POLAR WINTER' 2 YEAR GRAFT \$45.00

CEDRUS LIBINI 'STENOCOMA' 2 YEAR GRAFT \$45.00

CHAMAECYPARIS NOOT.'BOYKO AUREO PENDULA' 2 YEAR GRAFT \$75.00
A narrow weeping form with lots of gold in the foliage, it does not seem prone to winter burn unlike some of the white variegated forms.

CHAMAECYPARIS NOOTKATENSIS 'COMPACTA' G. -1@ \$45.00

CHAMAECYPARIS NOOTKATENSIS 'GLAUCA' G. -1@ \$45.00

CHAMAECYPARIS NOOTKATENSIS 'GLAUCA PENDULA' G. -1@ \$45.00

CHAMAECYPARIS NOOTKATENSIS 'GREEN ARROW' G. -1@ \$45.00
A strongly fastigate plant straight up with side branches straight down often with a tuft of basal growth.

CHAMAECYPARIS NOOTKATENSIS 'LAURA AURORA' G. -1@ \$45.00

CHAMAECYPARIS NOOTKATENSIS 'MOONSHOT' G. -1@ \$45.00
Another of the new nootkatensis cultivars to have made the rounds lately we think it is a winner, but on the other hand, I plant every new cultivar that comes along, you just can't have too many Noots in the garden.

CHAMAECYPARIS NOOTKATENSIS 'JOE STUPKA FORM' .. 2 YEAR GRAFT \$65.00
An excellent form selected by the well known conifer collector, certainly this is one of the best .

CHAMAECYPARIS NOOTKATENSIS PENDULA G. -1@ \$45.00

These are the traditional form of nootkatensis 'Pendula' with horizontal branching and drooping branchlets, not as full as the broad forms nor as strictly weeping as 'Green Arrow' and 'Stricta'.

CHAMAECYPARIS NOOTKATENSIS 'VAN DEN AKKER' G. -1@ \$45.00
Much like green arrow but perhaps even more strictly weeping, there is some variation depending on whether or not they are on their own roots.

CHAMAECYPARIS NOOTKATENSIS 'VARIEGATA' G. -1@ \$45.00

GINKGO BILOBA 'AUTUMN GOLD' 2 YEAR GRAFT \$45.00
It's a miracle a Ginkgo that turns gold in the fall; all those scarlet red ones are so mundane.

GINKGO BILOBA 'BERNHEIM BROOM' 2 YEAR GRAFT \$75.00

GINKGO BILOBA 'BONN' 2 YEAR GRAFT \$75.00

GINKGO BILOBA 'BROOM WITH TUBES' 2 YEAR GRAFT \$75.00
As the name says its a broom albeit a not very tight one with tubes.

GINKGO BILOBA 'BUDDY' 2 YEAR GRAFT \$75.00
huge fat buds this one is distinct

GINKGO BILOBA 'CHASE MANHATTAN' 2 YEAR GRAFT \$45.00
A rather slow growing upright form, Dirr figures his plant will be 3' tall when he turns 100. I'm not sure whether this reflects more on his age or the plants growth rate, our plants push a reasonable amount of growth.

GINKGO BILOBA 'CHRIS'S DWARF' 2 YEAR GRAFT \$45.00

GINKGO BILOBA 'COLUMNARIS' 2 YEAR GRAFT \$45.00

GINKGO BILOBA 'ELMWOOD' 2 YEAR GRAFT \$75.00

GINKGO BILOBA 'HALKA' 2 YEAR GRAFT \$45.00

Don't make this angry, it tends to get all green and rips its bark to shreds, right before it lays waste to the countryside, an Incredible Hulk of a plant, introduced by Halka Nurseries in Englishtown New Jersey, call them for a better description.

GINKGO BILOBA 'HIYANARI' 2 YEAR GRAFT \$45.00

GINKGO BILOBA 'JADE BUTTERFLY' 2 YEAR GRAFT \$75.00

Supposedly resembling a Japanese maple in habit, I have yet to see an old plant, this is a relatively new introduction from Duncan and Davies in New Zealand.

GINKGO BILOBA 'JOES GREAT RAY' 2 YEAR GRAFT \$75.00

GINKGO BILOBA 'KORINEK' 2 YEAR GRAFT \$45.00

GINKGO BILOBA 'MAGYER' 2 YEAR GRAFT \$45.00

We grow several narrow upright forms but this is my personal favorite.

GINKGO BILOBA 'MARIKIRUM' 2 YEAR GRAFT \$75.00

A spreading dwarf plant originating as a broom, it is semi pendulous if high grafted.

GINKGO BILOBA 'PENDULA' 2 YEAR GRAFT \$65.00

GINKGO BILOBA 'SPRING GROVE' 2 YEAR GRAFT \$65.00

I believe this is the same plant Dirr mentions as 'Spring Grove Witches Broom', a mounded bushy form found as a broom at Spring Grove Arboretum.

GINKGO BILOBA 'STANLEY'S DWARF' 2 YEAR GRAFT \$45.00

One of the best dwarf forms with short internodes and a dwarf columnar habit we think it is outstanding, kudos' to Larry for this one.

GINKGO BILOBA 'SUNSTREAM' 2 YEAR GRAFT \$100.00

A variegated form less reversion prone than most it is slow growing and you still need to clip green shoots.

GINKGO BILOBA 'TSCHI -TSCHI' 2 YEAR GRAFT \$45.00

Back again after a brief absence and more entertaining than Nip/Tuck reruns we proudly present the perfect plant for all those customers with the annoying touchy feely plant fondling fetishes. Now you can get that out of your system before you visit the nursery and maul our display troughs. 'Tschii -Tschii', also listed as Chi-Chi, by nurseries that apparently think Ginkgo originated in Mexico is indeed a botanical classic. How could you pass up a Ginkgo with breasts? Hey they even sag with age albeit more slowly than human ones. Even a thousand years from now the future, owners of your property can gaze in wonder at your kinky taste.

GINKGO BILOBA 'THE PRESIDENT' 2 YEAR GRAFT \$45.00

Dirr, who has a pretty good eye for plants, selected this form, the original grows outside the university president's residence in Athens, upright but not fastigate; Dirr claims its different from all other Ginkgo cultivars.

GINKGO BILOBA 'TODD'S WR' 2 YEAR GRAFT \$45.00

GINKGO BILOBA 'TUBIFORMIS' 2 YEAR GRAFT \$45.00

Leaves tend to be rolled into tubes; the effect is most pronounced on vigorous juvenile shoots, although many cultivars have the occasional tubed or dissected leaf.

GINKGO BILOBA 'WB' 2 YEAR GRAFT \$45.00

GINKGO BILOBA 'WEEPING WONDER' 2 YEAR GRAFT \$75.00

GINKGO BILOBA 'WINDOVER GOLD' 2 YEAR GRAFT \$45.00

LARIX LARICINA 'CHAFFSBURY FLATS' Older \$65.00

LARIX LARICINA 'EDELWEISS WEEPING' Older \$100.00

LARIX LARICINA 'GIRARD'S DWARF' Older \$65.00

An irregular growing broom, some branches have shorter internodes and smaller needles than others, it grows in complete disorder, we have a big one high grafted in one of our display gardens.

METASEQUOIA GLYPTOSTROBODES 'GOLD RUSH' Older \$75.00

.Gold foliage, it holds its color quite well even in hot weather, this is perhaps the best of the Dawn Redwood cultivars, although I suspect not quite as hardy as the species.

METASEQUOIA GLY. 'LITTLE GIANT' 2 YEAR GRAFT \$55.00

METASEQUOIA GLY. 'MATTHAEI BROOM' Older \$75.00

METASEQUOIA GLY. 'SHERIDIAN SPIRE' Older \$75.00

A very narrow columnar form, very fast growing especially on wet sites.

METASEQUOIA GLY. 'SILOETTE' Older \$75.00

METASEQUOIA GLY. 'SNOW FLURRY' Older \$75.00

METASEQUOIA GLY. 'SPRING CREAM' 2 YEAR GRAFT \$75.00

METASEQUOIA GLY. SSP CAESPITA 2 YEAR GRAFT \$45.00

An obscure thing I'm wondering if this shouldn't be caespitosa, whatever it is a minor variant at best.

METASEQUOIA GLY. 'WAASLAND' 2 YEAR GRAFT \$55.00

METASEQUOIA GLY. 'WHITE SPOT' 2 YEAR GRAFT \$45.00

A variegated form of Dawn Redwood. All leaves are green but have splashes of pure white throughout. The needles can be split down the middle with color. Plant grows about a foot a year and is best in a somewhat protected moist location.

METASEQUOIA HONSHUENENSIS..... 2 YEAR GRAFT \$75.00
Known as the Big Cone Dawn Redwood this is a rather minor variant from a botanical standpoint, although the general look in the garden is distinct.

METASEQUOIA NEOPANGAEA..... 2 YEAR GRAFT \$45.00
I love the name but then again I liked the reunite Gondwanaland bumper stickers, the ultimate plant for splitters but worth growing for the name alone.

PICEA ABIES 'AARBURG'..... Older \$75.00
By far my favorite weeping Norway 'Aarburg' has a fantastic irregular weeping habit, incredible when silhouetted against the skyline on a moonlit night, introduced by Haller nurseries of Aarburg Switzerland, the photo in the Conifer Encyclopedia does not begin to do it justice.

PICEA ABIES 'ACROCONA'..... Older \$75.00
Originating around 1890 in Sweden this produces cones at the tips of the branches, it comes fairly true from seed and tip coneing forms can be found in the woods around Uppsala.

PICEA ABIES 'ACROCONA PUSCH'..... 2 YEAR GRAFT \$75.00
A slow growing witches broom of 'Acrocona' that appeared around 1987 in Berlin. It cones on the branch tips at a young age with perfect miniature cones, however all the energy put into cones makes for a weak growing plant. Perhaps it would be a good idea to prune cones from young plants for the first few years.

PICEA ABIES 'ARGENTEOSPICA'..... 2 YEAR GRAFT \$45.00
Upright conical the new spring foliage is creamy yellow; it's very beautiful in spring combined with 'Lundell's Red Needle'.

PICEA ABIES 'AUREA'..... 2 YEAR GRAFT \$45.00
00A golden upright pyramidal form it does not burn in sun and holds its color fairly well, it first turned up in France in the 1850's, however there is probably more than one clone in cultivation.

PICEA ABIES 'BARRYI'..... 2 YEAR GRAFT \$45.00
An old cultivar that goes back to Beissner in 1891, it is a robust but tight growing plant that is somewhat confused in American cultivation with 'Clanbrassilliana' however the two look nothing alike, Clanbrassilliana is much dwarfer.

PICEA ABIES 'BONNIE'..... 2 YEAR GRAFT \$45.00

PICEA ABIES 'BRABANT'..... 2 YEAR GRAFT \$45.00

PICEA ABIES 'CINCINATA'..... Older \$65.00 2 YEAR GRAFT \$45.00
This goes back to 1897 in Germany, another snake spruce and well worth growing.

PICEA ABIES 'CLAUDINE'..... 2 YEAR GRAFT \$45.00

PICEA ABIES 'COBRA'..... Older \$100.00 2 YEAR GRAFT \$75.00
A cool snake spruce with very long shoots and for once a name to fit.

PICEA ABIES 'COMPACTA ASSELYN'..... Older \$65.00

PICEA ABIES 'CRUSITA'..... Older \$65.00
Red new shoots in the spring Lundell sent this to Horstman as clone 2 crusita and Horstman changed it to cruenta, Lundell's Red Needle is presumably clone 1.

PICEA ABIES 'CUPRESSINA'..... 2 YEAR GRAFT \$45.00
A columnar form that dates way back, actually there may be more than one clone grown under this name.

PICEA ABIES 'DENUDATA'..... Older \$65.00 2 YEAR GRAFT \$45.00

PICEA ABIES 'ELEGANTISSIMA'..... 2 YEAR GRAFT \$45.00
A full sized upright plant with a golden almost frosted look this originated in Holland in 1867.

PICEA ABIES 'EMSLAND'..... Older \$65.00 2 YEAR GRAFT \$45.00
A compact conical dwarf from Horstman with stiff radial bright green foliage.

PICEA ABIES 'FORMANEK'..... Older \$75.00 2 YEAR GRAFT \$45.00
Raised by 'Formanek' in Czechoslovakia around 1906 and introduced by Wansdyke Nurseries in the UK. It is a slow growing strongly weeping form similar to 'Wingles Pendula' that grows as a flat mat unless staked.

PICEA ABIES 'FINEDONENSIS'..... Older \$65.00 2 YEAR GRAFT \$45.00

PICEA ABIES 'FLAT TOP'..... Older \$65.00
I can find no reference to the name; these came from Talon; probably like tabuliformis, however they look a bit smaller.

PICEA ABIES 'FRITSCHIE'..... Older \$100.00
A flat mounded plant growing 2-3" per year with bright green foliage.

PICEA ABIES 'GLAUCA PENDULA'..... Older \$65.00 2 YEAR GRAFT \$45.00
A rather blue (for a Norway Spruce) weeping form.

PICEA ABIES 'GOLD DRIFT'..... 2 YEAR GRAFT \$75.00
Found by Fincham in 1990 as a gold sport on Picea abies 'Reflexa' it is an excellent golden weeping form it burns a bit when young but seems fine once well established.

PICEA ABIES 'GOLD DUST'..... 2 YEAR GRAFT \$65.00

PICEA ABIES 'GREGORIANA PARSON'..... 2 YEAR GRAFT \$45.00
This is similar to 'Gregoriana' but tends to be a bit more loose and straggly, introduced by Parson's nursery in NY back in 1927.

PICEA ABIES 'HENRYCH'..... 2 YEAR GRAFT \$45.00
A Czechoslovakian cultivar distributed by Larry Stanley fairly new to American cultivation.

PICEA ABIES 'HILLSIDE UPRIGHT'..... 2 YEAR GRAFT \$45.00
00A distinctive clone with an irregular dwarf upright habit, short stiff extremely dark green needles and prominent buds, it was found as a witches broom by Ziegenfuss in 1970

PICEA ABIES 'HUMILIS'..... 2 YEAR GRAFT \$45.00

PICEA ABIES 'HYSTRIX'..... 2 YEAR GRAFT \$45.00
Hornbrook's 1923 introduction that has been described as a loose dwarf, works for me although Hornbrook was probably thinking of the old world Porcupine genus.

PICEA ABIES 'JACOBSEN AUREA'..... Older \$65.00 2 YEAR GRAFT \$45.00
A golden form from Jacobsen in Denmark.

PICEA ABIES 'JOGEVA'..... Older \$65.00
A new one from the Jogeva plant breeding institute, Google's translation was no help.

PICEA ABIES 'KAMON'..... 2 YEAR GRAFT \$45.00
A cool thing raised from a witch's broom of Cranstonii found at the Kamon Arboretum in Hungary the photo in the conifer encyclopedia is bizarre to say the least.

PICEA ABIES 'LUNDELL'S RED NEEDLE'..... Older \$65.00

Dick got these from Lundell years ago, red tipped in spring at one time Dick had quite a number of red tipped clones from Lundell's seed, alas all were trashed when he built his house at the gardens.

PICEA ABIES 'MARIAE ORFFIAE'..... 2 YEAR GRAFT \$45.00

PICEA ABIES 'MARYLAND BROOM'..... 2 YEAR GRAFT \$45.00
There is a photo on the web, a medium sized rounded bun with bright green new growth, it looks fairly nice.

PICEA ABIES 'MERREL BROOM HLG'..... 2 YEAR GRAFT \$75.00

PICEA ABIES 'MOUNT NOMA'..... 2 YEAR GRAFT \$45.00

PICEA ABIES 'MUCRONATA'..... 2 YEAR GRAFT \$45.00

Short, dark green needles, brown buds; broadly conical plant from France very dense.

PICEA ABIES 'NOVY DVUR'..... 2 YEAR GRAFT \$45.00

A dwarf globular plant with light glaucous green needles, Found as a witches broom in Czechoslovakia by Gert Bohme, He used to send me some great seeds before the wall came down.

PICEA ABIES 'NIDIFORMIS'..... Older \$65.00

The well-known bird's nest spruce is wider than high and has a depressed center.

PICEA ABIES 'OHLENDORFII'..... OLDER \$65.00

Introduced by spath in 1904 it forms a broadly conical bush with yellowish green needles.

PICEA ABIES 'PENDULA'..... Older \$65.00

The well known weeping form of Picea abies, a bit over used in gardens it is often the plant that hooks beginners with the conifer addiction.

PICEA ABIES 'PERRY'S GOLD'..... 2 YEAR GRAFT \$45.00

A dense small tree spreading when young, spring foliage emerges near white becoming bright yellow and gradually fading to green, it needs some shade or it will burn.

PICEA ABIES 'PIMA WB'..... 2 YEAR GRAFT \$45.00

A Czechoslovakian broom that forms a flattened ball annual growth is less than an inch a year.

PICEA ABIES 'PINE GLEN'..... 2 YEAR GRAFT \$45.00

PICEA ABIES 'PYGMAEA'..... 2 YEAR GRAFT \$45.00

A prostrate, mounding, dwarf form; similar to 'Maxwelli' but with fewer reversions.

PICEA ABIES 'PYRAMIDALIS'..... 2 YEAR GRAFT \$45.00

There are a number of old clones circulating under this name most are indistinguishable and have been lumped under f. pyramidata.

PICEA ABIES 'REMONTII'..... 2 YEAR GRAFT \$45.00

A neat conical bush with short mid green needles this dates back to 1874 in the U.K.

PICEA ABIES 'ROTHENHAUSII'..... 2 YEAR GRAFT \$45.00

Named for a broom found by Prince Hohenlohe-Langenburg at Rothenhausen in 1938, that's Czech if you are wondering.

PICEA ABIES 'RUBRA SPICATA'..... 2 YEAR GRAFT \$45.00

Scarlet new shoots from Lundell to Gothenburg who passed it to Wansdyke and eventually introduced by Hilliers in 1981 it seems to be distinct from Lundell's other introductions.

PICEA ABIES 'SHERWOOD COMPACT'..... Older \$65.00

This should probably be sherwoodii, a flat globose plant with an irregular outline.

PICEA ABIES 'SOPRONI KORONG'..... 2 YEAR GRAFT \$45.00

Hungarian Donkey Kong? Or is it Czech, I have no idea what this is.

PICEA ABIES 'STONER #2'..... 2 YEAR GRAFT \$65.00

PICEA ABIES 'SUNCREST #2'..... 2 YEAR GRAFT \$45.00
Also known as Suncrest pyramid it is a medium growing pyramid with deep green foliage, a perfect pagan holiday tree that needs no shearing.

PICEA ABIES 'TABULIFORMIS'..... Older \$65.00

Brigitta's favorite dwarf Norway clone; growth is in distinct layers but the top is always flat. A spreading low plant becoming large and very impressive with age, see photo in Conifers, Van Gelderen & Van Hoey Smith page 204.

PICEA ABIES 'UNCLE STAN'..... 2 YEAR GRAFT \$65.00

PICEA ABIES 'VERMONT GOLD'..... 2 YEAR GRAFT \$45.00

Another great Greg Williams Kate Brook introduction this used to be known as Repens Aurea, completely prostrate with golden needles 4-6" of annual growth.

PICEA ABIES 'VIRGATA'..... Older \$75.00

Years ago I remember being captivated by the big snake in the Harper Collection, the plant is bizarre, indeed it fits right in at Arrowhead (a great many plant collectors are also into Herps, check out the links at Kingsnake.com).

PICEA ABIES 'WELLINGTON'..... OLDER \$75.00

PICEA ABIES 'WILLS ZWERGFORM'..... 2 YEAR GRAFT \$45.00

A conical compact plant with light green foliage, named for Hans Wills the foreman of Bruns Nursery in Germany.

PICEA ABIES 'WITCHES BROOM'..... OLDER \$75.00 2 YEAR GRAFT \$55.00

Great name, (also known as Millstream Broom) a witches broom seedling raised by Linc Foster, A mint green gumdrop at first later becoming conical, with light green ostrich feather branches.

PICEA ASPERATA '94-3048'..... OLDER \$75.00

Native to western China growing up to 40m tall with a 1.5m trunk diameter, Dragon Spruce is impressive, these are from a wild collection in 1994, it is declining due to too much logging in China.

PICEA ASPERATA 'AURANTIACA'..... OLDER \$75.00 2 YEAR GRAFT \$45.00

A minor variation of the dragon spruce, shoots are orange.

PICEA ASPERATA 'CHINA BLUE'..... Older \$65.00

A blue form this seems to be nearly identical to glauca.

PICEA ASPERATA 'MORTON ARB'..... 2 YEAR GRAFT \$45.00

A compact form of Chinese Dragon Spruce, which presumably originated at Morton Arb.

PICEA ASPERATA 'NIGRANS'..... OLDER \$75.00

An upright clone with rich dark green needles.

PICEA ASPERATA 'SPRING RED'..... OLDER \$75.00

I didn't see these last spring but new foliage is supposed to tip out red in the manner of P abies 'Crusita'.

PICEA AUSTROMANDSHURICA..... 2 YEAR GRAFT \$55.00

PICEA BICOLOR 'HOWELLS DWARF TIGERTAIL'..... 2 YEAR GRAFT \$45.00

Also known as Howell's Dwarf although it is not all that dwarf, it has been widely distributed by Vermeulen's and is a fine plant.

PICEA BICOLOR 'PROSTRATA'..... Older \$75.00 2 YEAR GRAFT \$45.00
A low spreading nested plant from the Puhonice arboretum in Czechoslovakia.

PICEA BREWERIANA 'EMERALD MIDGET'..... 2 YEAR GRAFT \$65.00
Breweriana brooms are virtually unknown in cultivation indeed none of the conifer references list this, better still it is apparently more cold tolerant than the species, surviving in Gee's private collection and thanks to Gary we now have grafts.

PICEA BREWERIANA 'FRUHLING GOLD'..... Older \$100.00 2 YEAR GRAFT \$65.00
A golden form, I suspect it will need a lot of protection here but it does survive in an unheated polyhouse.

PICEA BREWERIANA 'PENDULA'..... 2 YEAR GRAFT \$45.00

PICEA CHIHUAHUA..... Older \$75.00 2 YEAR GRAFT \$55.00
A tough little dog and a favorite of our local horned owls (our local pair was shot in the middle of the night by one of our low life neighbors) but I digress send out INS this Mexican native is living in the arboretum at Gees.

PICEA CRASSIFOLIA 'UNL963308-34'..... 2 YEAR GRAFT \$45.00
The Tsinghai Spruce, a rare Chinese plant that should grow to 25 m or so. If anyone knows who uses the UNL accession numbers give me a call.

PICEA ENGELMANNII..... 2 YEAR GRAFT \$45.00

PICEA ENGELMANNII 'BLUE MAGOO'..... 2 YEAR GRAFT \$55.00
I'm a bit vague on the description, but so what if "we aint got nothing yet" the band was still great.

PICEA ENGELMANNII 'BUSH'S LACE'..... Older \$65.00 2 YEAR GRAFT \$45.00
By all accounts Dick Bush is quite a character, he found this in a Christmas tree planting he was appraising, snipped a few scions, thinking to come back later for more, good that he whacked it because when he returned the original was no more, someone got one hell of a Christmas tree. That original graft is now in Gee's front garden and it is spectacular, as is the one in our waterfall garden (we talked Gary out of the second largest plant in existence).

PICEA ENGELMANNII 'COLLECTORS'..... 2 YEAR GRAFT \$55.00
A selection from collectors, you'll have to dig out an old catalog for this one.

PICEA ENGELMANNII 'COMPACTA'..... Older \$65.00 2 YEAR GRAFT \$55.00
A glaucous bun that looks a bit like *Picea pungens* 'R.H. Montgomery', but with finer Engelmann foliage and of course with much greater appeal to collectors.

PICEA ENGELMANNII 'GLAUCA HESS'..... 2 YEAR GRAFT \$45.00
A good glaucous blue form that originated with Beissner at Hesse Nurseries in Germany around 1887.

PICEA ENGELMANNII 'HEXENBESSEN KOHIUT'..... 2 YEAR GRAFT \$75.00
A nice blue broom introduced by Horstman in 1992 and still extremely rare in us gardens.

PICEA ENGELMANNII 'HOODIE'..... 2 YEAR GRAFT \$45.00
These came from Talon with no description, growth rate seems moderate and the color is good with a neat conical shape they should reach 4-5' in about ten years, presumably, they originate from somewhere on Mount Hood.

PICEA ENGELMANNII 'MONINURENSIS'..... Older \$85.00 2 YEAR GRAFT \$55.00

PICEA ENGELMANNII 'SNAKE'..... 2 YEAR GRAFT \$65.00
Like many plantsmen Herps have long been a passion of mine, not surprisingly our gardens are filled with snake branched cultivars, of all of them this is perhaps the most desirable, scion wood is in very short supply, in part because branches tend to die when a scion is harvested, a plant that detests pruning. This would make a fitting centerpiece in any collection.

PICEA ENGELMANNII 'SWAN CREEK'..... 2 YEAR GRAFT \$55.00

PICEA ENGELMANNII 'VANDERWOLF G'..... 2 YEAR GRAFT \$45.00

PICEA GEMMATA '#15-24SE'..... Older \$85.00 2 YEAR GRAFT \$65.00
Tapaoshan Spruce, a rare plant from China originally introduced by Wilson in 1914.

PICEA GLAUCA '4TH HAND'..... Older \$65.00 2 YEAR GRAFT \$45.00
WTF an alien broom or just siamese twins, this is a snakey looking thing, possibly a name corruption of 'Fort Ann' or maybe just a pun.

PICEA GLAUCA 'BUTTERBALL'..... 2 YEAR GRAFT \$45.00

PICEA GLAUCA 'BREVIFOLIA'..... OLDER \$65.00
Slow growing short-needled selection from Hillside Nurseries in PA.

PICEA GLAUCA 'COMPACTA GRACILIS'..... 2 YEAR GRAFT \$45.00
An 1881 introduction by Beissner, let me know if you think this is correct.

PICEA GLAUCA 'CONICA'..... Older \$65.00 2 YEAR GRAFT \$45.00

PICEA GLAUCA 'CY'S WONDER'..... 2 YEAR GRAFT \$55.00

PICEA GLAUCA DENSATA 'GLENWOOD'..... 2 YEAR GRAFT \$55.00

PICEA GLAUCA 'DENT'..... 2 YEAR GRAFT \$45.00
Found by Greg Williams of Kate Brook Nursery, an upright form with irregular cream variegation that holds throughout the summer but burns in too much sun. He thinks it is not one of his better introductions, I disagree, true it is a bit unstable but we have been selecting only the best wood to graft and our plants look fantastic and do not seem to revert.

PICEA GLAUCA 'ECHINIFORMIS'..... 2 YEAR GRAFT \$45.00
A dwarf Alberta transformed into a soccer ball, absolutely tight, I have the cutest video of a Thammophis sirtalis poking his cute little head out of the one in our rock garden, a Cheshire cat with scales.

PICEA GLAUCA 'FORT ANN'..... 2 YEAR GRAFT \$65.00
Greg Williams of Kate Brook Nursery found this 40 years ago, a roadside plant in Ft. Ann NY.; the original was cut down by a road crew. A glauca snake very few branches and glaucous bluish gray foliage still rare in cultivation and very desirable, large specimens are nearly impossible to obtain. Greg recommends it for people who want something different although after they see it they usually want something a little less different.

PICEA GLAUCA 'GOLDEN FORM'..... Older \$65.00

PICEA GLAUCA 'HEARTLAND METZ'..... 2 YEAR GRAFT \$55.00
A dwarf bluish green globe shaped plant the original should be in the Hartland collection.

PICEA GLAUCA 'JEAN'S DILLY'..... OLDER \$85.00 2 YEAR GRAFT \$45.00

PICEA GLAUCA 'KETCH HARBOR'..... 2 YEAR GRAFT \$45.00

PICEA GLAUCA 'LITTLE GLOBE'..... 2 YEAR GRAFT \$45.00
A broom found by Verkades in 1968 in Wayne NJ there are a number of globose glauca forms all quite similar.

PICEA GLAUCA 'MARIGOLD'..... 2 YEAR GRAFT \$45.00

PICEA GLAUCA 'MILLSTREAM BROOM'..... 2 YEAR GRAFT \$45.00
To tell the truth I got this just for the name, presumably it goes back to Linc Foster. It's an erect dwarf plant that is a pincushion of stiff needled fox tailed shoots each topped by a prominent bud giving the general impression of a dwarf *Picea abies*.

PICEA GLAUCA 'MONSTROSA NANA'..... 2 YEAR GRAFT \$45.00
The name says it all.

PICEA GLAUCA 'NORTH STAR'..... 2 YEAR GRAFT \$45.00

PICEA GLAUCA 'PENDULA'..... OLDER \$75.00 2 YEAR GRAFT \$45.00
Leader goes up perfectly straight, branches weep straight down; this was found by Carrière in Versailles in 1867.

PICEA GLAUCA 'SPRUCE LANE'..... 2 YEAR GRAFT \$45.00

PICEA GLAUCA 'YUKON BLUE'..... OLDER \$85.00
Short bluish gray needles and a conical upright habit this will be 12-15' in ten years.

PICEA GLEHNII..... OLDER \$65.00
The Sakhalin Spruce will get big, at least 30m, it's great if you have the room.

PICEA GLENII 'SACHALIN'..... 2 YEAR GRAFT \$75.00

PICEA GLENII 'YATSUBUSA'..... 2 YEAR GRAFT \$85.00

PICEA JESOENSIS 'CHITOSEMARU'..... 2 YEAR GRAFT \$65.00
'Chitosemaru', eater of souls, kinky dwarf disciple of the great Cthulu calls on his followers to undertake an infidel crusade, make the world safe for heavy metal, remember you don't need to die to find 72 virgins you just need a good pickup line. (The plant is dwarf and was introduced by John Mitch the rest came to me as a revelation, I have been chosen brothers and sisters I wonder if I can found a religion and gain tax free status?).

PICEA JESOENSIS 'HONDOENSIS'..... 2 YEAR GRAFT \$65.00

PICEA JESOENSIS 'LANDIS'..... OLDER \$65.00
A Canadian clone released to the trade in 1981, beyond that I can offer little information.

PICEA KORAIENSIS..... OLDER \$65.00
A Korean species found mostly in N. Korea north of the Yalu River and into Russia, it is closely related to the Koyama Spruce. Pyramidal to about 60' growing 12-18" per year, branch tips curve upwards and the bluish green needles are sharply pointed.

PICEA LICHANGENSIS..... OLDER \$75.00 2 YEAR GRAFT \$55.00
The taxonomy of these Chinese spruces is a mess, many have been lumped together, this will get big, 30m or more.

PICEA LICHANGENSIS 'PURPUREA'..... OLDER \$75.00 2 YEAR GRAFT \$55.00
A spectacular spruce from the Jade Dragon Mountains, the purplish red cones are perhaps the most ornamental of any spruce often listed as *Picea purpurea*.

PICEA MARIANA 'AUREOSPICATA'..... 2 YEAR GRAFT \$45.00
Upright growing with a golden flush in spring.

PICEA MARIANA 'BLUE TIER DROP'..... OLDER \$65.00 2 YEAR GRAFT \$45.00
Foliage is exceptionally blue for a mariana it will form a 3-4' broad pyramid in ten years.

PICEA MARIANA 'ERICIODES'..... 2 YEAR GRAFT \$45.00
A dwarf form of *Picea mariana*, good blue color, growth habit of *P. abies* 'Nidiformis'.

PICEA MARIANA 'FASTIGIATA'..... OLDER \$85.00 2 YEAR GRAFT \$65.00
A slow growing conical upright form raised at the Trianon Gardes in Versailles in 1915.

PICEA MARIANA 'GOLDEN'..... 2 YEAR GRAFT \$55.00

PICEA MARIANA 'NANA'..... OLDER \$65.00
The dwarfest black spruce we sell; this plant makes a small, bluish grey mound, perfect for the rock garden or in a trough, lots of cute appeal, and easy to please.

PICEA MARIANA 'WELLS SPIRE'..... 2 YEAR GRAFT \$55.00

PICEA MARIORIKA 'KOBOL'..... 2 YEAR GRAFT \$75.00
The grex is *Picea mariana* x *Picea omorika*; Kobol is a dense globular form with fine grayish blue needles. A 1972 Jeddelloh cross between *Picea mariana* 'Doumetii' and an unknown *omorika* clone. I'm surprised that no one is making large numbers of controlled dwarf conifer crosses the market for such things would seem to be huge and the transfer of pollen very easy.

PICEA MARIORIKA 'MACHALA'..... 2 YEAR GRAFT \$75.00
An interesting plant morphologically it seems to be a clear hybrid between *Picea mariana* and *Picea omorika*, however Mr. Machala of the Czech Republic who originated it in 1971 considered it a seedling of *P. jesoensis*. This seems unlikely, however there is a recorded cross *P. x moseri* between *P. jesoensis* and *Picea mariana* 'Doumetii' with bicolored foliage made by Moser which goes back to 1900 in France but the details are a bit sketchy. Whatever it forms an extremely squashed cone of bicolored foliage that is quite attractive.

PICEA MAXIMOWICZII '16'..... 2 YEAR GRAFT \$55.00
This Japanese species is very rare in the wild and in cultivation, very slow, three feet in ten years on vigorous *abies* understock slower still on its own roots.

PICEA MEYERI..... OLDER \$65.00
A 1914 Wilson introduction from western China, it is an Asian counterpart of *pungens* and has been crossed with it.

PICEA MONTEGENA 'RETRO' 385-1958..... OLDER \$65.00 2 YEAR GRAFT \$45.00
The Candelabra Spruce considered by some to be a subspecies of *Picea lichangensis*

PICEA OMORIKA 'ARMENTROUT'S GLOBE'..... 2 YEAR GRAFT \$75.00

PICEA OMORIKA 'AUREA'..... OLDER \$65.00 2 YEAR GRAFT \$45.00
This is what passes for gold in the Serbians, there is a picture in *Conifers: The Illustrated Encyclopedia*.

PICEA OMORIKA 'BERLINERS WEEPING'..... OLDER \$65.00
A fastigiate weeping selection, but not as strict as 'Bruns Pendula', old plants of *omorika* develop a spectacular silhouette, the photo of a plant in the Tara mountains in Krussum is legendary, every conifer collector wants that plant, an old Berliner will come close.

PICEA OMORIKA 'BRUNS PENDULA'..... OLDER \$65.00 2 YEAR GRAFT \$45.00
One of the coolest trees in our collection, not to mention most expensive, big plants of *Bruns* are very hard to come by. It looks like *Morticia Adams*, strictly weeping with the skirt trailing on the ground; the most strongly weeping of the pendulous *omorika* forms.

PICEA OMORIKA 'ELIZABETH'..... 2 YEAR GRAFT \$45.00
A Horstman introduction originally called *Hexenbessen #3* and later named *Elizabeth* after his wife it is a dwarf conical bush that grows at one quarter the rate of *nana*

PICEA OMORIKA 'EXPANSA'..... OLDER \$75.00
Expansa is strange; it is a low spreading form that shows considerable understock influence when grafted.

PICEA OMORIKA 'FREYA' OLDER \$65.00 2 YEAR GRAFT \$45.00
A dwarf conical selection with rather coarse foliage and a fairly open habit from a seedling selected in 1990 by Gebroeders Meeuwissen.

PICEA OMORIKA 'KUCK WEEPING' 2 YEAR GRAFT \$55.00
Kuck is supposed to be an even stricter weeping form than 'Bruns Pendula' originating in 1983 with Kuck in Oldenburg and introduced by Horstman, however I still prefer 'Bruns'.

PICEA OMORIKA 'MINIMA' 2 YEAR GRAFT \$55.00

PICEA OMORIKA 'NANA' OLDER \$65.00 2 YEAR GRAFT \$45.00
A medium dwarf globose form, nana eventually gets rather large, this 1939 Grootendorst introduction is a classic and deservedly popular both for general landscape use and with conifer collectors.

PICEA OMORIKA 'PENDULA' OLDER \$75.00 2 YEAR GRAFT \$45.00
The typical weeping form not as pendulous as Bruns.

PICEA OMORIKA 'PENDULA MAJOR' 2 YEAR GRAFT \$55.00

PICEA OMORIKA 'PIMOKO' 2 YEAR GRAFT \$45.00
A very compact globose plant that originated as a broom found by Wustemeyer in 1984, it is one of the best dwarf omorika clones. We are starting to graft the tiny omorika forms onto omorika understock, grafted onto Picea abies they have a reputation for sudden death.

PICEA OMORIKA 'SNEZNA WV' OLDER \$75.00 2 YEAR GRAFT \$45.00
Suffering from spruce burns the cure is simple no shots no pain just buy more conifers and the sneezing will stop.

PICEA OMORIKA 'SPORT NANA' 2 YEAR GRAFT \$75.00

PICEA OMORIKA 'TIJN' 2 YEAR GRAFT \$45.00

PICEA OMORIKA 'TREBLITSCH' 2 YEAR GRAFT \$75.00
Found as a witches broom in a park in 'Treblitsch' in 1977 it forms a tight ball, the needles curling to show their blue undersides giving a lovely two-tone effect. An excellent cultivar has been trouble free for us.

PICEA OMORIKA 'WHITE TOPS' OLDER \$75.00
This candles out pale in spring but the effect is not as stunning as it is on things like Picea pungens 'Ghost'.

PICEA OMORIKA 'ZUCKERHUT' 2 YEAR GRAFT \$45.00

PICEA ORIENTALIS 'AUREOSPICATA' 2 YEAR GRAFT \$45.00
In cultivation since 1919, it is similar to and often confused with Picea orientalis 'Aurea'. Emerging spring foliage is stunning; the golden shoots gradually change to deep green. Unlike 'Skylands', this never burns and is a traffic stopper in spring.

PICEA ORIENTALIS 'BARNES' 2 YEAR GRAFT \$45.00
A dwarf from Fincham compact ball that will eventually develop a leader, very short needles.

PICEA ORIENTALIS 'COMPACTA' OLDER \$65.00 2 YEAR GRAFT \$45.00
A slow growing conical form much like gracilis, introduced by Krussman in 1972.

PICEA ORIENTALIS 'CONN. TURNPIKE' 2 YEAR GRAFT \$65.00

PICEA ORIENTALIS 'EARLY GOLD' OLDER \$75.00 2 YEAR GRAFT \$45.00
A selection from Vermeulens that flushes two weeks earlier than aureospicata.

PICEA ORIENTALIS 'GRACILIS' OLDER \$75.00 2 YEAR GRAFT \$45.00
A densely growing broadly conical Belgian introduction from 1903.

PICEA ORIENTALIS 'GRACILIS NANA' 2 YEAR GRAFT \$45.00
Similar to nana this supposedly dates back to 1905.

PICEA ORIENTALIS 'HEXENBESSEN' 2 YEAR GRAFT \$45.00

PICEA ORIENTALIS 'ISELI' OLDER \$65.00 2 YEAR GRAFT \$45.00

PICEA ORIENTALIS 'MINIMA WELLS' 2 YEAR GRAFT \$45.00

PICEA ORIENTALIS 'NIGRA COMPACTA' Older \$65.00

PICEA ORIENTALIS 'NUTANS' 2 YEAR GRAFT \$45.00
An old variety that forms a dense irregular weeping bush that will probably leader eventually, it was found in Hungary and introduced by Hesse in 1905, but has remained rare and obscure until recently.

PICEA ORIENTALIS 'PENDULA' OLDER \$65.00 2 YEAR GRAFT \$45.00
I suspect this is the same as weeping dwarf and nana pendula. Whatever it is a nice weeping orientalis, and you can never have too many weeping contorted and strange conifers in the landscape.

PICEA ORIENTALIS 'PROF. LANGNER' 2 YEAR GRAFT \$75.00

PICEA ORIENTALIS 'RAREFLORA MONSTROSA' OLDER \$65.00 2 YEAR GRAFT \$45.00
A very unusual looking plant with an open habit and odd needles presumably originating at Rareflora Nursery.

PICEA ORIENTALIS 'REPENS' 2 YEAR GRAFT \$45.00
Dark green needles this is very similar to 'Bergman's Spreading'

PICEA ORIENTALIS 'SHADOW BROOM' 2 YEAR GRAFT \$45.00
Discovered by Don Shadow this plant has excellent glossy deep green color and a nice bird's nest habit.

PICEA ORIENTALIS 'SKYLANDS' 2 YEAR GRAFT \$55.00
This ranks as one of the best golden conifers of all time, it tends to burn until well established but with a bit of care in site selection it this should be no problem.

PICEA ORIENTALIS 'SKYLANDS SEEDLING' 2 YEAR GRAFT \$55.00

PICEA ORIENTALIS 'STONEZANT' 2 YEAR GRAFT \$45.00

PICEA POLITA 2 YEAR GRAFT \$45.00
The Tigertail is a spiny beast indeed, with thick spine tipped needles arranged radically around the shoots making them a pain to graft. It has a reputation for being a bit tender but has never suffered any damage here without protection in an exposed spot by the parking lot. In its native haunts on the slopes of volcanoes in Japan, old plants display pendulous tiger-tailed branchlets, a character not seen in young cultivated material.

PICEA PSEUDOWILSONII OLDER \$65.00 2 YEAR GRAFT \$45.00
An upright form with somewhat pendulous branches, pseudowilsonii has proven more durable than wilsonii, lichangensis or brachytila in our gardens. All of the Asian spruces come out of the winter looking beat up this one less than most.

PICEA PUNGENS 'AUREA ROCHESTER' 2 YEAR GRAFT \$55.00

PICEA PUNGENS 'BABY BLUE EYES' 2 YEAR GRAFT \$45.00

PICEA PUNGENS 'BACHERI' 2 YEAR GRAFT \$45.00

PICEA PUNGENS 'BIZON BLUE' 2 YEAR GRAFT \$55.00

PICEA PUNGENS 'BLUE MIST' 2 YEAR GRAFT \$65.00
This candles out pale in spring but the effect is not as stunning as it is on things like Picea pungens 'Ghost'.

PICEA PUNGENS 'BURL' 2 YEAR GRAFT \$75.00

PICEA PUNGENS 'C-BLUE' 2 YEAR GRAFT \$45.00

PICEA PUNGENS 'COMPACTA GRACILIS' OLDER \$65.00 2 YEAR GRAFT \$45.00

PICEA PUNGENS 'CORBET' 2 YEAR GRAFT \$45.00
An irregular bush, there is some discrepancy about the species it may be a picea abies cultivar.

PICEA PUNGENS 'CZECH WEEPER' 2 YEAR GRAFT \$45.00
This may be the same as 'Pendens' as illustrated in the Conifer Encyclopedia.

PICEA PUNGENS 'DIETZ PROSTRATE' 2 YEAR GRAFT \$45.00

PICEA PUNGENS ED WOODS BLUE 2 YEAR GRAFT \$65.00
This was distributed as a sitchensis but it seems clear that it is actually a pungens or a pungens hybrid, the color is amazing similar to Endtz, an intense silvery blue that does not fade. This is one of the top four bluest spruces.

PICEA PUNGENS 'EGYPTIAN PYRAMID' OLDER \$65.00
A dense broadly pyramidal form introduced by Vermeulens in 1985.

PICEA PUNGENS 'ENDTZ' OLDER \$65.00 2 YEAR GRAFT \$45.00
A 1933 introduction by Endtz of Boskoop, it is insanely blue ranking with Thompson and Salem as one of the best.

PICEA PUNGENS 'FAT ALBERT' 2 YEAR GRAFT \$45.00

PICEA PUNGENS 'FERRANCE SKIRT' 2 YEAR GRAFT \$45.00

PICEA PUNGENS 'FOLIUS AUREA' 2 YEAR GRAFT \$45.00

PICEA PUNGENS 'FOX TAIL' 2 YEAR GRAFT \$45.00

PICEA PUNGENS 'GEBELLE'S GOLDEN' 2 YEAR GRAFT \$55.00

PICEA PUNGENS 'GENTRY GEM' 2 YEAR GRAFT \$45.00
A compact medium green selection of Colorado spruce. Spreading or globose when young, broadly pyramidal with age.

PICEA PUNGENS 'GIRARDS DWARF' OLDER \$75.00 2 YEAR GRAFT \$45.00
A 1985 Girard introduction with short blue foliage and a compact mounded habit.

PICEA PUNGENS 'GLAUCA PROCUMBENS' 2 YEAR GRAFT \$45.00

PICEA PUNGENS 'GLOBOSA' (GLAUCA NANA) OLDER \$65.00 2 YEAR GRAFT \$45.00
Whatever the name this is a flattened globose plant with glaucous grayish blue foliage introduced by Hesse in 1962.

PICEA PUNGENS 'GOLD FIND' OLDER \$75.00 2 YEAR GRAFT \$55.00

PICEA PUNGENS 'GOLD MINE' 2 YEAR GRAFT \$55.00

PICEA PUNGENS 'GOLDEN SPRING' 2 YEAR GRAFT \$55.00

PICEA PUNGENS 'GOTELLI WEEPING' 2 YEAR GRAFT \$45.00
If unstaked this is Gotelli's prostrate, good blue color and a strongly weeping habit.

PICEA PUNGENS 'GREEN GOOSE' 2 YEAR GRAFT \$45.00

PICEA PUNGENS 'GREEN URCHIN' 2 YEAR GRAFT \$45.00

PICEA PUNGENS 'HARTSEL' 2 YEAR GRAFT \$45.00

PICEA PUNGENS 'HERMAN NAUE' 2 YEAR GRAFT \$55.00

PICEA PUNGENS 'HOOPSII' 2 YEAR GRAFT \$45.00
One of the bluest of all the pungens clones, this 1958 Grootendorst plant is very impressive, much deeper in color than Thompson or Salem, it makes a fantastic landscape specimen.

PICEA PUNGENS 'HUNNEWELLIANA' OLDER \$65.00 2 YEAR GRAFT \$45.00
Slow growing when young eventually becoming treelike this was introduced by Hornbrook in 1923.

PICEA PUNGENS 'JEAN ISELI' 2 YEAR GRAFT \$45.00
An irregular dwarf bun, very cute, Ed Wood named this for Jean.

PICEA PUNGENS 'K1-8' 2 YEAR GRAFT \$45.00

PICEA PUNGENS 'KLUIS' 2 YEAR GRAFT \$45.00
A compact conical plant with coarse needles introduced in 1989

PICEA PUNGENS 'KOSTERI PENDULA' 2 YEAR GRAFT \$45.00
Another good weeping form with excellent blue color, this is generally confused in the trade with glauca pendula. Whatever the name the plant is fantastic, both staked or left to do it's own thing.

PICEA PUNGENS 'KYLES BEAUTY' 2 YEAR GRAFT \$45.00

PICEA PUNGENS 'LUTEA' 2 YEAR GRAFT \$65.00
By far the best of the gold leaved pungens clones, it requires careful placement or it will burn, but grown well it is magnificent.

PICEA PUNGENS 'MILLCREEK BROOM' 2 YEAR GRAFT \$45.00

PICEA PUNGENS 'MACKNESS SHORT' OLDER \$65.00 2 YEAR GRAFT \$45.00
An upright growing plant with thin blue needles.

PICEA PUNGENS 'MEYER'S GOLD' OLDER \$75.00 2 YEAR GRAFT \$45.00

PICEA PUNGENS 'MISSION BLUE' 2 YEAR GRAFT \$45.00

PICEA PUNGENS 'MOERHEIM' 2 YEAR GRAFT \$45.00

PICEA PUNGENS 'MOLL' 2 YEAR GRAFT \$45.00
A German bun, more irregular and conical than glauca globosa; foliage is grayish green.

PICEA PUNGENS 'MONTGOMERY' OLDER \$100.00 2 YEAR GRAFT \$45.00

PICEA PUNGENS 'MRS. CESARINI' 2 YEAR GRAFT \$45.00
A spectacular flat topped greenish globe, this was found by Joe Cesarini as a broom in 1981 possibly on Long Island. It has been a bit of a mystery at one time considered Picea abies 'Mrs. Cesarini' then Picea glauca 'Mrs. Cesarini' and also Picea jesoensis 'Mrs. Cesarini', now it resides in pungens. Obviously, a clone that does not cone freely or they would have sorted this mess out long ago.

PICEA PUNGENS 'NIDIFORMIS KALDUS' 2 YEAR GRAFT \$45.00

PICEA PUNGENS 'OTTO VON BISMARCK' 2 YEAR GRAFT \$45.00

PICEA PUNGENS 'P10-1' 2 YEAR GRAFT \$55.00

PICEA PUNGENS 'PENDULA' 2 YEAR GRAFT \$55.00
 Yet another good blue weeping form, the effects of plagiotropism and general culture makes it nearly impossible to sort out the various weeping forms.

PICEA PUNGENS 'PETERSBURG METHODIST' 2 YEAR GRAFT \$45.00
 Scions from an upright weepy plant growing at the Methodist church in Petersburg MI.

PICEA PUNGENS 'RM 202' 2 YEAR GRAFT \$45.00

PICEA PUNGENS 'RM 210' 2 YEAR GRAFT \$45.00

PICEA PUNGENS 'RM 242' OLDER \$75.00 2 YEAR GRAFT \$45.00

PICEA PUNGENS 'RM 213' 2 YEAR GRAFT \$45.00

PICEA PUNGENS 'RM 240' 2 YEAR GRAFT \$45.00

PICEA PUNGENS 'RM 243' 2 YEAR GRAFT \$45.00

PICEA PUNGENS 'RM 245' 2 YEAR GRAFT \$65.00
 All of the above are brooms that Jerry Morris found all are nice, I'm fond of 216 but you can't go wrong with any of them.

PICEA PUNGENS 'RM 246' 2 YEAR GRAFT \$45.00

PICEA PUNGENS 'RM 260' 2 YEAR GRAFT \$45.00

PICEA PUNGENS 'ROYAL KNIGHT' 2 YEAR GRAFT \$75.00
 A good blue selection from Vermeulen's (the last catalog I got from them was half bible quotes, it made the Arrowhead catalog look mainstream)

PICEA PUNGENS 'ROY'S ROBUST BROOM' ... OLDER \$75.00 2 YEAR GRAFT \$45.00

PICEA PUNGENS 'SESTER'S DWARF' 2 YEAR GRAFT \$45.00
 A nice compact plant with good color, it was our Christmas tree this year.

PICEA PUNGENS 'SHILO WEEPING' 2 YEAR GRAFT \$45.00

PICEA PUNGENS 'SMYTH' 2 YEAR GRAFT \$45.00
 A dwarf compact plant annual growth is an inch or so.

PICEA PUNGENS 'SPRING GHOST' 2 YEAR GRAFT \$45.00
 Snow white new shoots in spring that turn green as the season progresses.

PICEA PUNGENS 'STANLEY'S DWARF' 2 YEAR GRAFT \$45.00
 Strangely enough, Stanley does not list this; maybe it should be Stanley's mystery.

PICEA PUNGENS 'STANLEY'S GOLD' 2 YEAR GRAFT \$45.00
 A golden plant brighter than aurea from Larry Stanley.

PICEA PUNGENS 'ST. MARY'S BROOM' OLDER \$125.00 2 YEAR GRAFT \$45.00
 The showiest of all the pungen's brooms, it is a compact flattened bun with excellent foliage color that approaches 'Thompsons' in intensity.

PICEA PUNGENS 'SUNSHINE' 2 YEAR GRAFT \$45.00
 Another one with good yellow shoots in spring.

PICEA PUNGENS 'TALLMAGE BURLEY' 2 YEAR GRAFT \$75.00

PICEA PUNGENS 'TAPONUS' 2 YEAR GRAFT \$75.00
 Painful and lacking a string it is useless as a tampon, if you use this when you are lost in the woods you are grizzly bear munchies.

PICEA PUNGENS 'THE BLUES' OLDER \$75.00 2 YEAR GRAFT \$65.00
 A new introduction from Larry Stanley, whether it lives up to its price tag still remains to be seen, so far I am impressed.

PICEA PUNGENS 'THUME' 2 YEAR GRAFT \$45.00
 An intensely blue globular form similar to R.H. Montgomery in color but slower growing, its one of the few pungen's that can be grown from cuttings although these are rare.

PICEA PUNGENS 'VIOLA' 2 YEAR GRAFT \$55.00
 A squatty bright blue upright cone introduced by Jerry Morris.

PICEA PUNGENS 'WALNUT GLEN' 2 YEAR GRAFT \$45.00
 Dusted golden from above, once this settles in it is outstanding, although admittedly it can look half dead at first; it grows on you. It was discovered by Greg Williams of Kate Brook Nurseries at Walnut Glen Nursery in Philadelphia. 'Walnut Glen' was later renamed 'Goldie' after the owners late wife.

PICEA PUNGENS 'WALNUT GLEN NOT' OLDER \$75.00
 A fantastic flat topped incredibly blue plant that Gary got from Mitch as 'Walnut Glen', it came to us mis-named through no fault of Mitch or Gees; some top conifer people have looked at it and despite the fact that it is very distinct no one has offered up a name.

PICEA PUNGENS 'WISCONSIN CREAM' OLDER \$75.00
 We have customers/friends from Wisconsin they visit a couple of times a year and always bring a cooler full of Wisconsin cheese, micro brewed beer, and root beer and cream soda for Ender, way better than Wisconsin cream which is only creamy in spring.

PICEA PUNGENS 'WOODSTOCK' 2 YEAR GRAFT \$55.00
 Very large bushy needles it grows an inch and a half a year and thrives on rock and roll, if you need rain just play it some music.

PICEA PURPUREA 94-305 OLDER \$75.00 2 YEAR GRAFT \$45.00
 A wild collection, I do not know who the number traces to.

PICEA PURPUREA 'HIRTELLA' OLDER \$75.00
 The taxonomy is complicated between lichangensis, balfouriana, and purpurea: this has been treated as P. lichangensis v hirtella and also as P. balfouriana v. hirtella.

PICEA RETROFLEXA 2 YEAR GRAFT \$45.00

PICEA RETROFLEXA 'BLYDENSTEIN' OLDER \$75.00
 Related to asperata, many consider them to be one in the same.

PICEA RUBENS 'POCONO' 2 YEAR GRAFT \$45.00
 The towering specimens of P. rubens in the Smokies dripping with moss and lichens are unforgettable, and I am surprised that the straight species is not more often grown. 'Pocono' is a different matter, originating as a seedling Ziegenfuss found in the Pocono Mountains in 1966, entirely a globular plant set with a pinchusion of current seasons tapering shoots each topped by a huge bud the look is unique but may be due in part to stress. Our plants have yet to fully settle in.

PICEA SCHRENKIANA 'NANA' OLDER \$75.00

PICEA SCHRENKIANA 'REFLEXA' OLDER \$75.00

PICEA SHENNONGJIAENSIS 'NA49378' OLDER \$75.00

PICEA SMITHIANA 2 YEAR GRAFT \$45.00

PICEA SITCHENSIS 'AUREA' 2 YEAR GRAFT \$45.00
 Outstanding color but unless sited very carefully it tends to burn outside the Pacific Northwest.

PICEA WILSONII OLDER \$75.00
 Chinese spruce in honor of E.H Wilson introduced in 1903 pyramidal in habit with rather short dark green needles.

PINUS ALBICAULIS 2 YEAR GRAFT \$45.00
 Whitebark Pine, a nice dwarf pine rarely over 10m with exceptional bark.

PINUS ALBICAULIS 'NANA' OLDER \$65.00
 Introduced in 1965 from the noble collection it is dwarf and compact with grayish green needles.

PINUS ARISTATA 'BASHFUL' 2 YEAR GRAFT \$75.00
 One of Jerry Morris's seven dwarf they all look the same.

PINUS ARISTATA 'BLUE HERON' 2 YEAR GRAFT \$75.00

PINUS ARISTATA 'FORMAL FORM' 2 YEAR GRAFT \$75.00

PINUS ARISTATA 'MVM' 2 YEAR GRAFT \$75.00

PINUS ARISTATA 'REZEK'S DOLL' 2 YEAR GRAFT \$75.00

PINUS ARISTATA 'SLEEPY #60' 2 YEAR GRAFT \$75.00

PINUS ARMANDII X KORIIENSIS OLDER \$75.00
 A great looking hybrid armandii is a bit like strobilus; this cross would be worth repeating with named forms of koraiensis.

PINUS ARMANDII X LAMBERTIANA 2 YEAR GRAFT \$65.00
 This cross was made back in the 50's and described in USDA bul. 1345; it should be an excellent plant for the southeast and has been hardy at Gees.

PINUS AYACHUITE 'FOREST SKY' OLDER \$65.00 2 YEAR GRAFT \$45.00
 A moderately compact form with less winter browning and good winter hardiness it will eventually reach 50'.

PINUS AYACHUITE VAR. BRACHYPTE OLDER \$75.00
 This is now known as Pinus strobiformis the southwestern white pine.

PINUS BANKSIANA 'BROOM' OLDER \$75.00
 Well hey there can't be any confusion here, as brooms go its pretty tight as names go it's a WTF.

PINUS BANKSIANA 'BUSCH'S TWIST' 2 YEAR GRAFT \$100.00
 Very short bright green needles only 3/8 of an inch long on a dwarf mounding plant.

PINUS BANKSIANA 'CHIPPEWA' 2 YEAR GRAFT \$45.00
 A 1979 Al Fordham Arnold Arb introduction, it forms a low cushion of short needled upward facing shoots, its one of the best banksiana brooms and well deserving of garden space.

PINUS BANKSIANA 'MONOMET' OLDER \$65.00
 A dwarf globe when young this tends to leader with age, yet another of the Arnold Arb introductions it grows at about half the rate of 'Schoodic'.

PINUS BANKSIANA 'PENDULA' OLDER \$65.00
 A weeping form introduced by Foxboro nurseries in 1991

PINUS BANKSIANA 'REPENS' 2 YEAR GRAFT \$45.00
 A rather flat growing plant introduced from Germany in 1992.

PINUS BANKSIANA 'ROSHANA' OLDER \$65.00

PINUS BANKSIANA 'SCHOODIC' 2 YEAR GRAFT \$55.00
 A prostrate mat with irregular twisted branches and fairly short needles, another distinctive selection from the Arnold Arb. At one time Punnett had a fantastic collection of Jack Pine brooms, all sacrificed for house construction, anyone wanting to do some broom hunting should check out the Au Sable River area of Michigan, most of Dick's brooms are probably still in the trees.

PINUS BANKSIANA 'TUCKERS DWARF' 2 YEAR GRAFT \$55.00
 A plant with a history Harry Elkins, who is 90 something, now, sent this to Lundell in Sweden, A nice compact bun it is named for Tuckers Nursery (also known for Daphne 'Tuckers sickly Yellow') the remains of the nursery survive to this day on property owned by General Motors.

PINUS BUNGIANA 'BROOM' 2 YEAR GRAFT \$45.00
 We found this down at Gee's labeled simply 'Broom'; Gary can't remember where it came from but it seems distinct from all the named forms we have compared it to. It was photographed extensively during the conifer society meetings but no one offered a name, habit is of a medium sized bun with 2-4" of annual growth.

PINUS BUNGEANA 'COMPACTA' 2 YEAR GRAFT \$45.00
 Yet another dwarf form with uncertain origins.

PINUS BUNGEANA 'DIAMANT' 2 YEAR GRAFT \$45.00
 A witches broom found by Diamont Nurseries in Germany with short yellowish green needles.

PINUS BUNGEANA 'JUNE'S BROOM' 2 YEAR GRAFT \$75.00

PINUS BUNGEANA 'ROWE ARB' 2 YEAR GRAFT \$45.00
 The folks at Rowe cleared up the mystery, an interesting plant with an open multitrunked look.

PINUS BUNGEANA 'SILVER GHOST' 2 YEAR GRAFT \$75.00
 An excellent plant From the Dawes arboretum Silver Ghost grows a foot a year with strongly flaking Stewartia like bark that peels to reveal a silvery under bark.

PINUS BUNGEANA 'TEMPLE GEM' 2 YEAR GRAFT \$45.00
 We once thought this might be the same as 'Broom' however now that we have seen it 'Temple Gem' is clearly distinct.

PINUS BUNGEANA 'THE GREAT WALL' 2 YEAR GRAFT \$55.00

PINUS BUNGEANA 'UNL 96 3254' OLDER \$65.00 2 YEAR GRAFT \$45.00
 University Of Nevada Los Vegas? United Nations losers? It's a mystery without any clues, keep on humming Night Moves.

PINUS CEMBRA OLDER \$65.00

PINUS CEMBRA 'ALGONQUIN PILLAR' 2 YEAR GRAFT \$45.00

PINUS CEMBRA 'ARISTOCRAT' 2 YEAR GRAFT \$45.00
 A columnar form that is rare in cultivation.

PINUS CEMBRA 'BLUE MOUND' OLDER \$65.00 2 YEAR GRAFT \$45.00
 Introduced by Floravista Gardens the original plant was mound shaped however grafted plants are more conical with good blue foliage.

PINUS CEMBRA 'CHAMOLET' OLDER \$65.00
 A slow growing columnar form introduced by Hatch in 1988.

PINUS CEMBRA 'COMPACTA' 2 YEAR GRAFT \$45.00
PINUS CEMBRA 'GLAUCA' OLDER \$65.00 2 YEAR GRAFT \$45.00
 A glaucous form of the Swiss Stone Pine that dates back to 1966, although there may well be more than one clone in cultivation under this name, Krussman says the original glauca is no longer in cultivation.
PINUS CEMBRA 'NANA' 2 YEAR GRAFT \$45.00
PINUS CEMBRA 'PYGMAEA' 2 YEAR GRAFT \$45.00
 A dense selection, Welsh claims this should actually be *Pinus pumila* 'Pygmaea' a cultivar of Japanese Stone Pine, not Swiss Stone Pine.
PINUS CEMBRA 'SILVER SCHEEN' 2 YEAR GRAFT \$45.00
PINUS CEMBRA 'SIBERICA' OLDER \$65.00
PINUS CEMBRA 'TIP TOP' 2 YEAR GRAFT \$45.00
 Found growing way up firm and high, what to do, shiny on up and check it out or frag it with a shotgun?
PINUS CEMBRA 'TWISTER' OLDER \$65.00 2 YEAR GRAFT \$45.00
 A fantastic contorted form we give this a five on the Fuji cool conifer scale.
PINUS CEMBROIDES VAR. EDULIS 'BIG NUTS' 2 YEAR GRAFT \$45.00
 A customer sent us this, his selection of a free fruiting tree with big nuts, selected for commercial nut production.
PINUS CONTORTA 'FASTIGIATA' 2 YEAR GRAFT \$45.00
 A very narrow upright form of unknown origin there is a photo in the conifer encyclopedia.
PINUS CONTORTA 'TAYLOR SUNBURST' 2 YEAR GRAFT \$75.00
 The emerging new growth on 'Taylor Sunburst' is outrageous, brilliant school bus yellow against the deep green older foliage. The big plant in our front garden is like a magnet, sucking trespassing customers right through the garden to get a closer look. Really folks this is plainly visible from a quarter mile away is it necessary to tromp through our beds. Now you can own your very own and walk up to it any time you please.
PINUS CONTORTA 'WILLOW CREEK' OLDER \$75.00 2 YEAR GRAFT \$45.00
 A medium growing broom, I believe this originated with Jerry Morris, contorta brooms are not common in conifer collections and new additions are always welcome.
PINUS DENSIFLORA 'AUREA' OLDER \$75.00 2 YEAR GRAFT \$45.00
 A golden form of Japanese Red pine, an upright conical plant, the color is best in winter.
PINUS DENSIFLORA 'GOLDEN GHOST' OLDER \$85.00 2 YEAR GRAFT \$45.00
 A new dragon eye, with better variegation than 'Oculus Draconis' I still think 'Burke' is the best but this is definitely nice.
PINUS DENSIFLORA 'JIM CROSS' 2 YEAR GRAFT \$45.00
PINUS DENSIFLORA 'LITTLE CHRISTOPHER' 2 YEAR GRAFT \$45.00
PINUS DENSIFLORA 'LOW GLOW' OLDER \$65.00
 A Waxman witches broom seedling raised in 1990, with bright yellowish green foliage and short needles in conspicuous whorls at the tip of each branch.
PINUS DENSIFLORA 'OCULUS DRACONIS' 2 YEAR GRAFT \$55.00
 The classic Dragon Eye, there are several different clones in cultivation under this name, these are grafts from the hardest of the various forms we grow. A plant that stands unprotected and exposed in our back garden and took zero damage last winter (several other dragon eye pines were killed last winter).
PINUS DENSIFLORA 'PENDULA' OLDER \$75.00
 A strongly weeping plant introduced from Japan around 1890, very graceful but on the brittle side.
PINUS DENSIFLORA 'RATA' OLDER \$65.00
 A flat-topped short-needled dwarf form with an unmarketable name, surely they could have come up with something better than 'Rata'.
PINUS DENSIFLORA 'RED OD BURKE' OLDER \$75.00
 We think this is the best of the various Red Pine Dragon Eye forms. Talon stopped out this fall and he was very taken indeed He took tons of pictures, either our clone is exceptional or it just does not color up as well on the west coast. It also seems to be harder than straight 'Oculus Draconis'.
PINUS DENSIFLORA 'UMBRACULIFERA' 2 YEAR GRAFT \$45.00
PINUS DENSIFLORA X NIGRA 'JANE KLUIS' OLDER \$65.00
 A distinctive dwarf selection that is broader than tall with long, stiffly erect, bristly needles and conspicuous buds.
PINUS FLEXILIS '#83' 2 YEAR GRAFT \$45.00
 A somewhat flattened silvery green globe that Jerry Morris found in southern Utah.
PINUS FLEXILIS 'ACS 94074' 2 YEAR GRAFT \$65.00
PINUS FLEXILIS 'ANTERO' 2 YEAR GRAFT \$65.00
 One of Jerry Morris's brooms, 1ft in ten years makes it pretty tight.
PINUS FLEXILIS 'BERGMAN'S DWARF' 2 YEAR GRAFT \$45.00
 I'm thinking this is a dwarf from Bergman.
PINUS FLEXILIS 'BLACKFOOT' 2 YEAR GRAFT \$75.00
 Jerry Morris found this in central Colorado, an upright to globular plant with very short needles and prominent brown buds; it will grow 4-6" a year.
PINUS FLEXILIS 'CESARINI BLUE' 2 YEAR GRAFT \$45.00
 Upright with excellent blue foliage.
PINUS FLEXILIS 'CHEROKEE' 2 YEAR GRAFT \$75.00
 I think Jerry has more of these than there are Indian tribes, A foot or so in ten years.
PINUS FLEXILIS 'COMANCHE' 2 YEAR GRAFT \$55.00
 A conical upright plant from Jerry Morris, needles are short only an inch or so long and the annual growth is about 2" a year.
PINUS FLEXILIS 'COW CREEK' 2 YEAR GRAFT \$75.00
PINUS FLEXILIS 'DAMIFINO' OLDER \$100.00
 Jerry Morris found this, as a green flat-topped tight growing broom in southern Wyoming supposedly the original was 30" tall by 15' wide.
PINUS FLEXILIS 'DUFUNNY' 2 YEAR GRAFT \$45.00
PINUS FLEXILIS 'EXTRA BLUE' OLDER \$65.00
 Another catchy name for an irregular but extremely blue tree.
PINUS FLEXILIS 'FAST FRED' 2 YEAR GRAFT \$45.00
PINUS FLEXILIS 'FIRST CANYON' 2 YEAR GRAFT \$45.00

A Jerry Morris Rocky Mountain Collection. It is a Dwarf plant with 2 inch green leaves that grows 2-4 inches a year.

PINUS FLEXILIS 'FOXTAIL' OLDER \$75.00
 I'm thinking long bushy needles.
PINUS FLEXILIS 'GLENMORE' 2 YEAR GRAFT \$45.00
 Also known as Glenmore Silver this is a very long needled extremely blue form introduced by Robert More in 1950.
PINUS FLEXILIS 'GOOD PINE' 2 YEAR GRAFT \$45.00
 Another one from Jerry it is an irregular green globe that grows 2" a year.
PINUS FLEXILIS 'HAYWOOD SELECT' OLDER \$65.00
PINUS FLEXILIS 'KINZIE ROSE' 2 YEAR GRAFT \$75.00
 This is one of the best dwarf flexilis we grow, originating as a Limber Pine broom Jerry collected in Southern Utah; slow growing it should eventually form a wide globe.
PINUS FLEXILIS 'LAJ' OLDER \$75.00
 A narrow upright plant with strongly ascending shoots needle color is blue but not outstanding, this is not dwarf and will easily reach 25'.
PINUS FLEXILIS 'LONG ARM' 2 YEAR GRAFT \$45.00
 The rare long needled carnivorous form that snatches and eats unwitting trespassers along with the occasional deer.
PINUS FLEXILIS 'LOSEE' 2 YEAR GRAFT \$85.00
 Found as a broom in Idaho by Jerry it is compact and somewhat upright growing 2-4" a year.
PINUS FLEXILIS 'M&D PINE BLUFF' OLDER \$65.00 2 YEAR GRAFT \$45.00
 A rather large growing upright green plant.
PINUS FLEXILIS 'MEDICINE BOW' 2 YEAR GRAFT \$45.00
 This too is upright with good bluish green foliage.
PINUS FLEXILIS 'MOHAWK' 2 YEAR GRAFT \$45.00
 A loose upright plant from Jerry Morris 3-4" of annual growth.
PINUS FLEXILIS 'NAVAJO' OLDER \$75.00
 Another Jerry Morris broom, annual growth is 1.5 inches per year.
PINUS FLEXILIS 'PENDULA' 2 YEAR GRAFT \$45.00
PINUS FLEXILIS 'PIMI' 2 YEAR GRAFT \$45.00
PINUS FLEXILIS 'SCOTT' 2 YEAR GRAFT \$45.00
PINUS FLEXILIS 'SHADOW LAKE' 2 YEAR GRAFT \$45.00
PINUS FLEXILIS 'SPIDER' 2 YEAR GRAFT \$55.00
PINUS FLEXILIS 'TARRYALL' 2 YEAR GRAFT \$45.00
PINUS FLEXILIS 'TINY TEMPLE' 2 YEAR GRAFT \$45.00
 Upright with a good blue color it is fairly compact but can push 10" of annual growth.
PINUS FLEXILIS 'VANDERWOLF PYRAMID' OLDER \$65.00 2 YEAR GRAFT \$45.00
 An upright conical form with very dense foliage the landscapers love it.
PINUS FLEXILIS 'WB GROVE #13' 2 YEAR GRAFT \$75.00
PINUS FLEXILIS 'WIGWAM' 2 YEAR GRAFT \$75.00
 Another tiny one from Jerry, one foot after ten years.
PINUS FLEXILIS X ARISTATA 2 YEAR GRAFT \$75.00
PINUS FLEXILIS X WALLICHIANA 2 YEAR GRAFT \$75.00
 An interesting hybrid quite long needled and graceful, I would love to see a mature plant.
PINUS FLEXILIS 'ZUNI' 2 YEAR GRAFT \$45.00
 Is it politically correct to name all these brooms after Indian tribes?
 Pinus funebris Older \$65.00Now considered to be *Pinus densiflora* v *fuenebris*, the Sikhote Red Pine. Ren
PINUS KORAIENSIS 'ANNA' OLDER \$65.00 2 YEAR GRAFT \$45.00
 A seedling Chub named after his late wife, upright thick growing with good color, this has a lot of potential for the general landscape trade.
PINUS KORAIENSIS 'BALDWIN WB' 2 YEAR GRAFT \$45.00
PINUS KORAIENSIS 'BERGMAN'S BEST' OLDER \$65.00
 An upright nearly fastigate dwarf with very Blue needles and prominent dormant buds, introduced by Rareflora in 1974.
PINUS KORAIENSIS 'DWARF' 2 YEAR GRAFT \$45.00
 An upright dwarf form introduced by Iseli in 1982 .
PINUS KORAIENSIS 'EDELWEISS' 2 YEAR GRAFT \$45.00
PINUS KORAIENSIS 'GEE BROOM' OLDER \$75.00
 Gary found this on the nursery; in my estimation, it is the best koraianensis broom in cultivation, very compact, good color, All in all a great plant.
PINUS KORAIENSIS 'GLAUCA' OLDER \$65.00 2 YEAR GRAFT \$45.00
 Koraianensis is generally somewhat glaucous, this looks a lot like 'Silver Ray' to me.
PINUS KORAIENSIS 'JACK CORBETT' 2 YEAR GRAFT \$45.00
 Possibly this should be spelled 'Jack Corbett', a name which first appeared on lists back in 1986; I can find little about it and our plant may represent an aberrant form, the upper half of it is the best koraianensis Dragon Eye we have seen to date.
PINUS KORAIENSIS 'KG' 2 YEAR GRAFT \$75.00
PINUS KORAIENSIS 'OCULUS DRACONIS' OLDER \$65.00
 I have not seen the tree that these scions were taken from (Talon's stock plant) but in general *Pinus koraianensis* 'Oculus Draconis' does not show strong variegation especially when young. Conifer collectors still just after it however, always hoping it will throw a strongly variegated shoot in the manner of *Pinus densiflora* 'Red OD Burke'.
PINUS KORAIENSIS 'SILVER RAY' 2 YEAR GRAFT \$45.00
 A 1979 Grootendorst introduction, semi dwarf with excellent silvery blue needles, this is an excellent plant for general landscape use.
PINUS KORAIENSIS 'TABULIFORMIS' 2 YEAR GRAFT \$45.00
 These should develop into a flat-topped 'Tanyosho'-like plant with perhaps a bit of help from some pruning shears.
PINUS LEUCODERMIS 'AUREOSPICA' 2 YEAR GRAFT \$45.00
 Slow growing with yellow tipped needles, this is from Hesse in Germany in 1955, just the thing for the anything but green collection.
PINUS LEUCODERMIS 'COMPACT GEM' OLDER \$75.00 2 YEAR GRAFT \$45.00
 An excellent slow growing form introduced in 1964 by Hillier's, Van Hoey Smith considers it one of the best small conifers in cultivation, it's nice but I wouldn't go that far.
PINUS LEUCODERMIS 'DOLCE DOME' 2 YEAR GRAFT \$75.00

PINUS LEUCODERMIS 'FASTIGIATE' OLDER \$65.00
A columnar form not particularly narrow but nice in the landscape.

PINUS LEUCODERMIS 'GNOME' OLDER \$65.00 2 YEAR GRAFT \$45.00

PINUS LEUCODERMIS 'GREEN BUN' OLDER \$75.00
A 1982 Iseli introduction reasonably compact with good green color.

PINUS LEUCODERMIS 'GRUNWELL' OLDER \$65.00
Gary grafted these up on short standards, if you like your balls on sticks you're a bit too kinky for me.

PINUS LEUCODERMIS 'INDIGO EYES' 2 YEAR GRAFT \$45.00

PINUS LEUCODERMIS 'MALINK' 2 YEAR GRAFT \$45.00

PINUS LEUCODERMIS 'MINT TRUFFLE' OLDER \$75.00
I predict we will sell a ton of these, not only is the plant great looking, it has a name people will buy.

PINUS LEUCODERMIS 'SATELLITE' OLDER \$65.00
A small fastigiate form (eventually reaching 3-4m) of Bosnian Pine from the Gimborn Arboretum; needles are tightly arranged giving a shaving brush look.

PINUS LEUCODERMIS 'SCHMIDTII' 2 YEAR GRAFT \$45.00
A spectacular Bosnian Pine which should properly be spelled 'Smidtii', very tight and dense, the original is at the Pruhonic Research Station in the Czech Republic. It was found in the wild in 1926 by Eugene Smidt, 100 years old the original stands 10' tall.

PINUS LEUCODERMIS 'SELECT #3' OLDER \$65.00
Well somebody liked it enough to select it but apparently not enough to actually register a name and description, actually Gary Gee has been collecting Bosnian pines lately and they impress me more each time I see them.

PINUS LEUCODERMIS 'SHINA' 2 YEAR GRAFT \$45.00
See Pinus mugo 'Shina'.

PINUS LONGAEVA 'SHERWOOD COMPACT' 2 YEAR GRAFT \$75.00
Essentially aristata without the resin dots most of the really old aristata are of this ilk, Sherwood compact has been around for a while and is still one of the best compact forms. Pick your site with care this sucker may still be there 5,000 years from now.

PINUS MONTICOLA 'AMERLAND' OLDER \$65.00 2 YEAR GRAFT \$45.00
A Jeddelloh selection with bluish green needles, it is a bit loose when young.

PINUS MONTICOLA 'CRAWFORD' OLDER \$65.00
Ball shaped when young, it will need a bit of pruning to keep this shape as it ages.

PINUS MONTICOLA 'GLAUCA COMPACTA' 2 YEAR GRAFT \$45.00

PINUS MONTICOLA 'RIGBY WEeping' OLDER \$65.00
A strongly weeping form of Western White Pine introduced by Iseli, this one definitely needs some staking or it will be a ground cover.

PINUS MORRISONICOLA 'WILSON' 2 YEAR GRAFT \$45.00
Obviously named after Wilson but we are not quite sure which Wilson, E.H. Wilson was mostly in China, the Fermilab Wilson Hall Wilson seems unlikely and I don't think Woodrow gave a damn about plants.

PINUS MUGO 'ALLEN SEEDLING' OLDER \$65.00

PINUS MUGO 'AUREA PFLAZEN' OLDER \$75.00
Another yellow one gelbe Pflanzen perhaps?

PINUS MUGO 'BIG TUNA' OLDER \$65.00

PINUS MUGO 'BLUE FORM' 2 YEAR GRAFT \$45.00

PINUS MUGO 'BUBIKOPF' OLDER \$65.00
A dwarf short needled form from Hachmann Nurseries of Germany released in 1988.

PINUS MUGO 'CARSTON'S WINTERGOLD' 2 YEAR GRAFT \$45.00

PINUS MUGO 'COLUMNAR' OLDER \$65.00 2 YEAR GRAFT \$45.00
A slow growing dense conical plant, not your typical mugo.

PINUS MUGO 'CORLEY'S MAT' 2 YEAR GRAFT \$45.00

PINUS MUGO 'DOMSCHKE' OLDER \$65.00

PINUS MUGO 'ELFIN GREEN' OLDER \$65.00
An Oregon State selection with good color and a compact habit.

PINUS MUGO 'HESSE' 2 YEAR GRAFT \$45.00

PINUS MUGO 'HONEYCOMB' 2 YEAR GRAFT \$45.00
A wide spreading form, broader than tall reaching 3-4' in height after ten years or so it is emerald green all summer gradually becoming golden in winter, the color spreading inwards from the tips.

PINUS MUGO 'JACOBSEN' 2 YEAR GRAFT \$45.00
A very distinctive plant this may actually be a hybrid with P. nigra, it is low and slow growing, and originated with Arne Jacobsen in Denmark in 1987.

PINUS MUGO 'JEDDELOH' OLDER \$75.00
A nice plant similar to 'Corley's Mat' but a bit coarser growth originating in Germany in 1946.

PINUS MUGO 'KOKARDE' OLDER \$65.00 2 YEAR GRAFT \$45.00

PINUS MUGO 'LAKEVIEW' OLDER \$65.00
A very tight dwarf plant.

PINUS MUGO 'LEW HILL UPRIGHT' OLDER \$75.00
Upright growing but not columnar.

PINUS MUGO 'MIKULASOICE' 2 YEAR GRAFT \$45.00
A ridiculously named broom from the Czech Republic, no thought to marketing at all.

PINUS MUGO 'MINI MINI' 2 YEAR GRAFT \$45.00

PINUS MUGO 'MOPS' OLDER \$65.00 2 YEAR GRAFT \$65.00

PINUS MUGO 'MOPS GEE BROOM' MIXED' 2 YEAR GRAFT \$65.00
Actually there are four separate brooms on Gary's mops this year he kept them separate, there were a lot of names put forth during Chub's birthday party but then again everyone was a bit drunk for now we have the following:

PINUS MUGO 'MOPS EAST' 2 YEAR GRAFT \$65.00

PINUS MUGO 'MOPS TOP NORTH' 2 YEAR GRAFT \$65.00

PINUS MUGO 'MOPS TOP SOUTH' 2 YEAR GRAFT \$65.00

PINUS MUGO 'MOPS WEST' 2 YEAR GRAFT \$65.00

PINUS MUGO 'NEW YELLOW FLUSH' 2 YEAR GRAFT \$45.00

PINUS MUGO 'PAL MALETER' OLDER \$75.00

An interesting plant with two-tone needles, green at the base becoming golden on the outer half, the effect is somewhat seasonal, this originated as a seedling in Holland in 1965.

PINUS MUGO 'PAUL'S DWARF' OLDER \$65.00
A 1986 Iseli introduction with very short needles forming a diminutive cushion that is prone to reversions.

PINUS MUGO 'POT OF GOLD' 2 YEAR GRAFT \$45.00
Compact and slow growing this is brilliant gold in winter; it may be the same as Amber Gold.

PINUS MUGO 'PROSTRATA' OLDER \$65.00 2 YEAR GRAFT \$45.00
A flat growing plant from Iseli, the name is illegitimate under the rules for nomenclature.

PINUS MUGO 'SHINA' OLDER \$75.00
This has been listed as a leucodermis, a Czech cultivar that forms an upright globe needles are variegated and new spring growth is all yellow.

PINUS MUGO 'TANNENBALM' OLDER \$65.00

PINUS MUGO 'TEENY' 2 YEAR GRAFT \$45.00

PINUS MUGO 'VALLEY CUSHION' 2 YEAR GRAFT \$45.00
A low growing plant found by Tichnor and introduced by Mitch, a great plant for general landscape use.

PINUS MUGO 'WELL'S PROSTRATA' 2 YEAR GRAFT \$45.00
Creepy weepy mugo flat to the ground if not high grafted.

PINUS MUGO 'WHITE BUD' OLDER \$65.00
A moderately sized plant with attractive white waxy winter buds giving the plant a frosted look. New shoots emerge pure white and gradually fade to green, plant is a short needle dwarf bun (try googling that phrase with safe search off).

PINUS MUGO 'WISS BLUE' OLDER \$65.00
Not exactly Picea pungens 'Thompson'.

PINUS MUGO 'WINZIG' 2 YEAR GRAFT \$45.00

PINUS MUGO 'YELLOW POINT' OLDER \$65.00 2 YEAR GRAFT \$45.00
This may be the same as yellow tip, there is some confusion about the name, tips of needles are yellow particularly in winter.

PINUS NIGRA 'BAMBINO' 2 YEAR GRAFT \$75.00

PINUS NIGRA 'CAPERIC'S GODED CREAM' OLDER \$75.00
irregular shoots are creamy white, it is cool looking but often gets beat up badly in winter.

PINUS NIGRA 'COMPACTA' OLDER \$75.00

PINUS NIGRA 'CONTORTA' OLDER \$75.00 2 YEAR GRAFT \$45.00
A slow growing form with twisted needles this goes way back to Carrière in 1855 France.

PINUS NIGRA 'CRAPO' 2 YEAR GRAFT \$45.00

PINUS NIGRA 'FRANK' OLDER \$75.00 2 YEAR GRAFT \$45.00
A slow growing fastigiate form introduced by Mitch, shorter needled than most of the similar forms.

PINUS NIGRA 'HELGA' OLDER \$75.00
A slow growing dwarf upright form with prominent buds and good color found by Dr. Simon in Germany and introduced by Krussman, I have no idea who Helga was, Krussman's mistress? Many disturbing images come to mind.

PINUS NIGRA 'HORNIBROOKIANA' OLDER \$75.00 2 YEAR GRAFT \$45.00
Pinus nigra 'obelisk' Older \$75.00 Another narrow upright one, part of a subliminal marketing scheme for 2

PINUS NIGRA 'OREGON GREEN' OLDER \$65.00 2 YEAR GRAFT \$45.00
A classic landscape plant the needles are deep green and rather short for nigra, and are very persistent creating a full dense plant, especially if sheared a bit while young.

PINUS NIGRA 'OREGON JADE' 2 YEAR GRAFT \$45.00
It is not clear whether this is a sport of Oregon Green or a tag corruption.

PINUS NIGRA 'PIERRICK BERGENSON' OLDER \$75.00 2 YEAR GRAFT \$45.00
A flat topped dark green globe similar to the one seen over Roswell, NM.

PINUS NIGRA 'PYRAMIDALIS' OLDER \$65.00
Found in Durand Eastman park in Rochester NY in 1932.

PINUS NIGRA 'RHODOPY MOUNTAIN' OLDER \$75.00
A great place for plant collecting, most of the Czech plant collectors are active there.

PINUS NIGRA 'SPIELBERG' OLDER \$75.00
Close encounters of the Austrian Pine kind, I had no idea Pinus nigra grew on Devils Tower, the slightly twisted needles are no doubt the result of alien radiation.

PINUS PARV. (PENTAPHYLLA) 'AZUMA' 2 YR GRAFT \$65.00
A slow growing dwarf with silvery blue needles that originated in Fukushima Province and came to the U.S. around 1976.

PINUS PARVIFLORA 'E 8' 2 YEAR GRAFT \$45.00

PINUS PARVIFLORA 'AIZU' 2 YEAR GRAFT \$75.00
A form selected for bonsai use in Japan.

PINUS PARVIFLORA 'AOBA JO' 2 YEAR GRAFT \$45.00
A narrow upright tree with bright blue curly needles introduced by Mitch in 1988.

PINUS PARVIFLORA 'ARA-KAWA' OLDER \$75.00 2 YEAR GRAFT \$65.00
A rare clone with very rough bark and green needles.

PINUS PARVIFLORA 'ATCO GOYO' 2 YEAR GRAFT \$65.00
A short needled shrubby plant very suitable for bonsai, Goyo is Japanese for parviflora or 5 needle pine and is superfluous, Atco apparently relates to its place of origin; all in all a useless invalid name for an outstanding plant, see the photo in the Conifer Encyclopedia.

PINUS PARVIFLORA 'BEAUVRONENSIS' OLDER \$75.00

PINUS PARVIFLORA 'BERGMANII SELECT' OLDER \$85.00 2 YEAR GRAFT \$45.00
The original plant is dwarf and wider than high with twisted bluish needles and prominent buds, when grafted however the plant is much more upright growing.

PINUS PARVIFLORA 'BONNIE BERGMAN' 2 YEAR GRAFT \$45.00
A slow growing upright form with attractive pale blue foliage introduced by Rareflora in 1975.

PINUS PARVIFLORA 'BURKES BONSAI' 2 YEAR GRAFT \$45.00
Selected by Joe burke in 1989 it is an upright growing form with twisted bluish grey needles.

PINUS PARVIFLORA 'COMPACTA' 2 YEAR GRAFT \$45.00
A nice dwarf form that first appeared in the trade in 1986, compacta is illegitimate under the rules for nomenclature.

PINUS PARVIFLORA 'DIABETU SAN' 2 YEAR GRAFT \$65.00

Source of the all-important Deku Nuts from the Legend of Zelda.

PINUS PARVIFLORA 'DRIVE. LANDIS' 2 YEAR GRAFT \$45.00
PINUS PARVIFLORA 'ELF' 2 YEAR GRAFT \$45.00
PINUS PARVIFLORA 'FUKAI' 2 YEAR GRAFT \$45.00
A dragon eyed version of parviflora not as striking as 'Ogon Janome' but more forgiving, Horstman got it from Tage Lundell who presumably scrounged it from Japan, Lundell traded a lot of wood.
PINUS PARVIFLORA 'FUKU-ZU-MI' OLDER \$75.00 2 YEAR GRAFT \$45.00
A short needled Yatsubusa cultivar with a spreading habit and silvery blue recurved and twisted needles.
PINUS PARVIFLORA 'GI NANA R-13' 2 YEAR GRAFT \$45.00
PINUS PARVIFLORA 'GIMBORNS IDEAL' 2 YEAR GRAFT \$45.00
A long needled slender upright plant from the Gimborn Estate in Holland with rather congested curved needles and an irregular outline.
PINUS PARVIFLORA 'GLAOCA BREVIFOLIA' 2 YEAR GRAFT \$45.00
PINUS PARVIFLORA 'GOLDILOCKS' 2 YEAR GRAFT \$65.00
A dwarf selection that shows creamy variegation on the tips of the needles especially when grown in full sun.
PINUS PARVIFLORA 'GOY KURL' 2 YEAR GRAFT \$45.00
PINUS PARVIFLORA 'GYO KASEN HI' 2 YEAR GRAFT \$75.00
PINUS PARVIFLORA 'GYOKU SHO HIME' 2 YEAR GRAFT \$45.00
Yatsubusa type with yellowish green thick twisted needles.
PINUS PARVIFLORA 'HEAVY CONE' 2 YEAR GRAFT \$45.00
PINUS PARVIFLORA 'HIME GOYO MA' 2 YEAR GRAFT \$45.00
PINUS PARVIFLORA 'IBO-CAN' 2 YEAR GRAFT \$45.00
A long needled form with conspicuous rough warty bark, a dense branching habit and good greenish blue color first seen in the west around 1976. It looks great padded out to display the bones.
PINUS PARVIFLORA 'KORU' 2 YEAR GRAFT \$45.00
A slow growing semi dwarf pyramid with very dense foliage, newly emerging needles have a tendency to clump.
PINUS PARVIFLORA 'MIYAJIMA' 2 YEAR GRAFT \$45.00
Dating back to 1890 and named for its place of origin it is Similar to brevifolia. This is popular with the bonsai crowd.
PINUS PARVIFLORA 'MYOJO' 2 YEAR GRAFT \$75.00
PINUS PARVIFLORA 'NANA' 2 YEAR GRAFT \$45.00
PINUS PARVIFLORA 'OGON JANOME' 2 YEAR GRAFT \$75.00
The legendary Dragon Eyed parviflora, mine all date from John Mitch's plant and have particularly fine zonation. John's original plant, which he was sadly forced to sell (not by Gary) now resides at Gee Farms, the size of it continues to amaze me. This is a very difficult plant to establish we will not replace it if you kill it.
PINUS PARVIFLORA 'PETERSON' OLDER \$75.00
A narrow upright form rather open growing.
PINUS PARVIFLORA 'PYGMAEA YATSUBUSA' 3 YEAR GRAFT \$75.00
A congested dwarf version of yatsubusa.
PINUS PARVIFLORA 'REGENHOLD' 2 YEAR GRAFT \$45.00
PINUS PARVIFLORA 'SHION' 2 YEAR GRAFT \$45.00
A Yatsubusa selection from 'Zao-Goyo', fairly fast growing with twisted needles.
PINUS PARVIFLORA 'TANI MANO UKI' 2 YEAR GRAFT \$100.00
Arguably the most spectacular of all and not easy. A semi dwarf pyramid, very slow to establish, the Japanese snow pine has white new growth arising from pink candles giving a tricolor effect, the photo in Conifers: The Illustrated Encyclopedia does not begin to do it justice.
PINUS PARVIFLORA 'TEMPLEHOFF' OLDER \$65.00
A 1969 Gimborn introduction it is rather fast growing with dark silvery blue foliage and a classic parviflora habit.
PINUS PARVIFLORA 'TENYUS KAZU' 2 YEAR GRAFT \$45.00
PINUS PARVIFLORA 'VENUS' 2 YEAR GRAFT \$65.00
A slow growing compact form with glaucous blue needles curling around the branches, I'm not sure if the name refers to the planet or the naked woman.
PINUS PARVIFLORA 'WATNONG' 2 YEAR GRAFT \$45.00
Yet another of the many excellent plants that Watnong Nurseries introduced.
PINUS PARVIFLORA 'WYEAST' 3 YEAR GRAFT \$45.00
An Iseli plant 'WyEast' refers to the Native Americans name for Mount Hood, although why you wouldn't have chosen a native pine to bestow it on is beyond me. Vigorous growing with good bluish green foliage.
PINUS PEUCE 'GLAUCA' OLDER \$65.00
A 1979 Esveld introduction with good bluish foliage not to be confused with glauca compacta from Jeddeloh.
PINUS PEUCE 'JEDDELOH' 2 YEAR GRAFT \$45.00
A nice selection of Macedonian pine made by Jeddeloh.
PINUS PEUCE 'MRS CESSERINI' 2 YEAR GRAFT \$45.00
A conical upright form with grey green needles, growth is slow only an inch or so a year or about 2ft in 20 years.
PINUS PEUCE 'VARIEGATA' 2 YEAR GRAFT \$45.00
Grayish green needles splashed with yellow annual growth is about 4" a year.
PINUS PONDEROSA 'HIGH DESERT' 2 YEAR GRAFT \$75.00
PINUS PONDEROSA 'HILLSBORO' 2 YEAR GRAFT \$75.00
PINUS PONDEROSA 'KLAMATH FALLS' 2 YEAR GRAFT \$75.00
PINUS PONDEROSA 'MARGARETTE' 2 YEAR GRAFT \$100.00
PINUS PONDEROSA 'MORRIS WB' 2 YEAR GRAFT \$100.00
PINUS PONDEROSA 'PONDY' 2 YEAR GRAFT \$100.00
PINUS PUMILA 'CHLOROCARPA' 2 YEAR GRAFT \$45.00
An old thing dating back to 1887 noted for its curious yellowish green cones.
PINUS PUMILA 'DWARF BLUE' 2 YEAR GRAFT \$45.00
A nice form of Japanese stone pine made by Hesse in Germany, wider than high with short blue incurved needles, 3' high by 7' wide after fifteen years.

PINUS PUMILA 'JEDDELOH' 2 YEAR GRAFT \$75.00
A spreading bushy form found on the Gimborn estate by Jeddeloh in 1969.
PINUS PUMILA 'OLIVER' 2 YEAR GRAFT \$45.00
PINUS RESINOSA 'DON SALISBURY' 2 YEAR GRAFT \$45.00
PINUS RESINOSA 'FASTIGIATA' OLDER \$85.00
A narrow upright form of resinosa.
PINUS RESINOSA 'MOREL' OLDER \$65.00
Well it doesn't look much like the mushroom nor does it taste great fried in butter but it is delectable in it's own right, forming a lovely compact green ball in the garden. For some reason there are relatively few resinosa cultivars, perhaps it is time for a little broom hunting close to home.
PINUS RESINOSA 'SANDCASTLE' OLDER \$65.00
PINUS SCHWERINII WIETHORST' 2 YEAR GRAFT \$75.00
PINUS STROBIFORMUS 'DENSATA' 2 YEAR GRAFT \$45.00
PINUS STROBIFORMUS 'FOXTAIL' OLDER \$75.00 2 YEAR GRAFT \$45.00
A densely needled selection of southwestern white pine from Talon.
PINUS STROBIFORMUS 'LOMA LINDA' 2 YEAR GRAFT \$75.00
Long bluish green needles and a rather open dwarf habit this is from Jerry Morris.
PINUS STROBIFORMUS 'UNDULATA' 2 YEAR GRAFT \$45.00
PINUS STROBUS 'ANGEL FALLS' OLDER \$85.00 2 YEAR GRAFT \$65.00
An improved weeping white pine, columnar with a strongly weeping habit.
PINUS STROBUS 'ANNA FIELE' 2 YEAR GRAFT \$45.00
A congested globe with pale green needles introduced by Hatch in 1988.
PINUS STROBUS 'BENNETT'S CLUMPLEAF' 2 YEAR GRAFT \$65.00
A weird mutation where all five needles in the bundle are fused into a single fat needle, not to be confused with Pinus monophylla.
PINUS STROBUS BERGMAN'S VARIEGATA 2 YEAR GRAFT \$65.00
A dragon eye introduced by Fincham in 1983 the white pine dragon eyes are a confusing mess but pretty.
PINUS STROBUS 'BLOOMERS DARK. GREEN' OLDER \$65.00
I think this is the same as Bloomers Dark Globe a Vermeulen introduction that may not even be a strobilus.
PINUS STROBUS 'BLUE SHAG' 2 YEAR GRAFT \$45.00
One of Waxman's many brooms; it has good blue color and pretty much the same habit of all the other strobilus buns, however I prefer it to minima and nana.
PINUS STROBUS 'BREVIFOLIA' 2 YEAR GRAFT \$55.00
PINUS STROBUS 'CARY RD' OLDER \$65.00 2 YEAR GRAFT \$45.00
PINUS STROBUS 'CHIPPANOOK' 2 YEAR GRAFT \$55.00
Your chimpmunks not getting enough nookie? Give them Chippianook! it's like Viagra for the little striped rats, they will be so busy humping they won't watch for cats.
PINUS STROBUS 'CONEY ISLAND' 2 YEAR GRAFT \$45.00
A Waxman introduction from a broom found in Woodstock, CT in 1989 densely rounded with long needles and many dwarf female cones.
PINUS STROBUS 'CURTIS DWARF' 2 YEAR GRAFT \$45.00
PINUS STROBUS 'CURLEY'S DWARF' OLDER \$65.00
PINUS STROBUS 'DENSEA' OLDER \$65.00 2 YEAR GRAFT \$45.00
PINUS STROBUS 'DIABLO' 2 YEAR GRAFT \$45.00
PINUS STROBUS 'DIGGY' 2 YEAR GRAFT \$45.00
Step 1. buy plant; step 2. diggy hole; step 3 remove from pot; step 4. remember green side up.
PINUS STROBUS 'DOVE'S DWARF' OLDER \$65.00
A globose semi-dwarf from Hillside Nursery with beautiful dark green foliage.
PINUS STROBUS 'EASTWOOD BROOM' 2 YEAR GRAFT \$55.00
PINUS STROBUS 'ELF' 2 YEAR GRAFT \$55.00
PINUS STROBUS 'EXITATION' 2 YEAR GRAFT \$45.00
PINUS STROBUS 'GOLDEN CANDLES' 2 YEAR GRAFT \$45.00
A 1985 Waxman selection with golden candles and foliage forming an upright shrubby plant that is larger than 'Goldie.'
PINUS STROBUS 'GOLDEN H 409' 2 YEAR GRAFT \$55.00
PINUS STROBUS 'GREENBRIAR' 2 YEAR GRAFT \$45.00
PINUS STROBUS 'GREENFIELD' 2 YEAR GRAFT \$45.00
PINUS STROBUS 'GREG'S WITCH' 2 YEAR GRAFT \$45.00
A very dwarf slow growing broom much like minima with medium green short needles.
PINUS STROBUS 'GROUND HUGGER' 2 YEAR GRAFT \$55.00
Great for groundcover unless you stake it, then it turns into one of those annoying tree huggers.
PINUS STROBUS 'HAYDEN' 2 YEAR GRAFT \$45.00
PINUS STROBUS 'HERSHEY' 2 YEAR GRAFT \$45.00
PINUS STROBUS 'HORSFORD SISTER' 2 YEAR GRAFT \$45.00
PINUS STROBUS 'HILLSIDE GEM' OLDER \$65.00 2 YEAR GRAFT \$45.00
PINUS STROBUS 'JERICO' 2 YEAR GRAFT \$45.00
Upright with thin stems and yellowish green needles from a broom Joe Cesarini found on Long Island in 1959.
PINUS STROBUS 'JN COMPACT PYRAMID' 2 YEAR GRAFT \$45.00
PINUS STROBUS 'KBN VARIEGATED' OLDER \$75.00 2 YEAR GRAFT \$45.00
A variegated selection from Greg Williams of Kate Brook Nursery.
PINUS STROBUS 'LAIRD'S BROOM' 2 YEAR GRAFT \$45.00
PINUS STROBUS 'LEFT SIDE 31' 2 YEAR GRAFT \$45.00
PINUS STROBUS 'LOUIE' OLDER \$65.00
A fast growing golden form that holds its color all season long, although it stands out better in winter and does not burn in full sun once it is established. Introduced by Greg Williams, he considers it the best of the year round yellows, (at least so far, he has some new stuff in trials).
PINUS STROBUS 'MACOPIN' 2 YEAR GRAFT \$45.00
PINUS STROBUS 'MERRIMAC' 2 YEAR GRAFT \$45.00
A choice dwarf introduced by Al Fordham when he was at the Arnold Arboretum, midway between 'Hortsfords' and 'Nana' in growth rate with silvery blue leaves.

PINUS STROBUS 'NANA'..... 2 YEAR GRAFT \$45.00
The name includes several clones, dwarf but not teeny tiny a globose type, nana can reach 3 meters at maturity, from a gardening standpoint they are more or less interchangeable.

PINUS STROBUS 'OTTOWA'..... 2 YEAR GRAFT \$45.00

PINUS STROBUS PAUL WAXMAN'..... 2 YEAR GRAFT \$45.00
A dwarf-rounded form with short curved needles often two toned with blue green and green needles on the same plant.

PINUS STROBUS 'PLANTING FIELDS'..... 2 YEAR GRAFT \$45.00

PINUS STROBUS 'REED'S POINT'..... 2 YEAR GRAFT \$45.00

PINUS STROBUS 'SEA URCHIN'..... 2 YEAR GRAFT \$45.00
An extremely dwarf bun, from Sidney Waxman, with short silvery blue needles, it's one of the best dwarf strobis.

PINUS STROBUS 'SHAGY'..... 2 YEAR GRAFT \$45.00

PINUS STROBUS 'SHORT NEEDLE'..... 2 YEAR GRAFT \$45.00
Afraid of long needles, if you are somewhat aichmophobic this may be your plant.

PINUS STROBUS 'SOFT TOUCH'..... 2 YEAR GRAFT \$45.00
A dense flattened mound with short twisted needles Waxman introduced it in 1985.

PINUS STROBUS 'SQUIGGLES'..... OLDER \$75.00 2 YEAR GRAFT \$45.00
Found by Andy Duvall, a nice little globose form with bluish twisted needles.

PINUS STROBUS 'TRAUTMANN' WB'..... 2 YEAR GRAFT \$45.00
A broom found by Chris Trautman, it makes a flattened bun that grows around 4" a year.

PINUS STROBUS 'UCONN'..... 2 YEAR GRAFT \$45.00
A bright green mound this is yet another of Sydney Waxman's many brooms.

PINUS STROBUS 'UCONN GOLD'..... 2 YEAR GRAFT \$45.00
Waxman hunted brooms and raised a lot of seedlings from broom cones must have found a gold one at some point.

PINUS STROBUS 'VERCURVE'..... 2 YEAR GRAFT \$45.00
Another globose form with curved needles.

PINUS STROBUS 'WESTIN ELF'..... 2 YEAR GRAFT \$45.00
Similar to 'Densa' but perhaps a bit smaller, it is a conical upright plant with congested blue foliage and grows 1-2" a year.

PINUS STROBUS 'WIGGLES'..... OLDER \$75.00 2 YEAR GRAFT \$45.00
A tight green ball with twisted branches and needles, one of the most distinctive of the strobis brooms.

PINUS STROBUS 'WITCHES BROOM'..... OLDER \$65.00 2 YEAR GRAFT \$45.00

PINUS STROBUS 'YODA'..... 2 YEAR GRAFT \$75.00
Short and green the force is strong in this one.

PINUS SYLVESTRIS 'ALBYN PROSTRATA'..... OLDER \$65.00
A prostrate seedling found at Albyn Nurseries in Ohio, it is a bit like 'Hillside Creeper'.

PINUS SYLVESTRIS 'ARGENTIA COMPACT'..... 2 YEAR GRAFT \$45.00

PINUS SYLVESTRIS 'AUREA'..... OLDER \$65.00
Bright gold in winter, greening out in summer, this is an upright form, (see the photo in Conifers: The Illustrated Encyclopedia.)

PINUS SYLVESTRIS 'BARRIE BERGMAN'..... OLDER \$65.00
An irregular variegated form, it is spectacular in spring just after the new growth emerges.

PINUS SYLVESTRIS 'BEACON HILL'..... OLDER \$65.00
From a broom found by Goddard in Beacon Hill Park in 1981, it forms a compact globular plant with long sea green needles densely arranged on the branches.

PINUS SYLVESTRIS 'BENNET COMPACT'..... 2 YEAR GRAFT \$45.00
An excellent globular form, relatively long bluish green needles with very short internodes not friendly to grafters, if this were easier to propagate it would be immensely popular.

PINUS SYLVESTRIS 'BEUVRONENSIS'..... OLDER \$65.00
A classic French dwarf that dates back to 1891. It is a bit like Bergman but with longer needles, and easily distinguished by its tendency to cower or flee if anyone threatens to kick its ass.

PINUS SYLVESTRIS 'CLUMBER HUMP'..... OLDER \$75.00

PINUS SYLVESTRIS 'EDWIN HILLIER'..... OLDER \$75.00
The correct name for this is now 'Argentea' with silvery blue curved needles and reddish stems it was introduced by Hillier in 1926.

PINUS SYLVESTRIS 'FASTIGIATA'..... OLDER \$65.00
A very narrow upright form of Scotch Pine, growing in a pillar like shape; blue-green needles, it tends to become bare and untidy with age. This dates to 1856 and originated in the United Kingdom.

PINUS SYLVESTRIS 'GLAUCA NANA'..... OLDER \$65.00 2 YEAR GRAFT \$45.00
One of the original old cultivars, annual growth is 4-6" a year.

PINUS SYLVESTRIS 'GLOBOSA VIRIDIS'..... OLDER \$65.00
A dense growing compact form, it is rather common in the landscape trade and for good reason.

PINUS SYLVESTRIS 'GOLD COIN'..... OLDER \$65.00
Rare in cultivation this retains its gold in summer but positively glows in winter, this gem originated in the UK, see photo in Conifers: The Illustrated Encyclopedia.

PINUS SYLVESTRIS 'GREGS GLAUCA'..... OLDER \$65.00
There is a variegated form of this as well (see above) and these may sport the occasional creamy shoot, plants are upright and fast growing with good glaucous blue color and stiff thick needles.

PINUS SYLVESTRIS 'GREGS VARIEGATED'..... OLDER \$65.00

PINUS SYLVESTRIS 'HEAVY TRUNK'..... 2 YEAR GRAFT \$45.00
This is a Girard's selection, possibly Freudian.

PINUS SYLVESTRIS 'HELEN BERGMAN'..... OLDER \$65.00
A rarely offered dwarf not to be confused with 'Barrie Bergman'.

PINUS SYLVESTRIS 'HELMS'..... 2 YEAR GRAFT \$65.00
An irregular mounding form with very short needles and an open contorted habit, easily transformed into a natural bonsai that is perfect for rock gardens.

PINUS SYLVESTRIS 'HILLSIDE CREEPER'..... OLDER \$65.00 2 YEAR GRAFT \$45.00
Brigitta loves this thing, we have a number of them planted around the nursery; it is an attractive procumbent form, although 'Hillside Eater' may have been more apropos.

PINUS SYLVESTRIS 'HILLSIDE ERECT'..... 2 YEAR GRAFT \$45.00

PINUS SYLVESTRIS 'INVERLEITH'..... OLDER \$75.00 2 YEAR GRAFT \$45.00

A variegated form that originated at the RBG Edinburgh, it shows little variegation most of the year, but is very nice even as a glaucous upright tree.

PINUS SYLVESTRIS 'KELPIE'..... 2 YEAR GRAFT \$75.00

PINUS SYLVESTRIS 'LITTLE ANN'..... 2 YEAR GRAFT \$45.00
A witches broom seedling the original plant is in Rosemoor Gardens in Devon, compact growing bun with short needles, it is an excellent compact plant, still relatively uncommon in collections.

PINUS SYLVESTRIS 'JEREMY'..... OLDER \$65.00
Propagated from a broom found by Reynolds in 1973 at Wellingborough, it is a tiny low spreading mound with short dark green needles and prominent buds.

PINUS SYLVESTRIS 'LITTLE ANN'..... OLDER \$85.00
A witches broom seedling the original plant is in Rosemoor Gardens in Devon, compact growing bun with short needles, it is an excellent compact plant, still relatively uncommon in collections.

PINUS SYLVESTRIS 'MOSERI'..... OLDER \$65.00 2 YEAR GRAFT \$45.00
This may in fact be Pinus nigra 'Moseri'. A globose plant that turns yellow in winter, it originated in France around 1900.

PINUS SYLVESTRIS 'NIRBETH AUREA'..... OLDER \$75.00

PINUS SYLVESTRIS 'REPENS'..... OLDER \$65.00
A spreading plant with bluish needles and prominent very resinous winter buds that was found on the Skyland farm.

PINUS SYLVESTRIS 'ROGER DOGER'..... OLDER \$75.00

PINUS SYLVESTRIS 'SAXITILIS'..... OLDER \$75.00 2 YEAR GRAFT \$45.00
Dwarf and slow growing forming a flat-topped bun without a leader, this is the hillside clone and probably not the same as the Carrière plant.

PINUS SYLVESTRIS 'SKAJ FLACH'..... 2 YEAR GRAFT \$45.00

PINUS SYLVESTRIS 'SLIM JIM'..... 2 YEAR GRAFT \$45.00

PINUS THUNBERGII 'BANSHOHO'..... OLDER \$75.00 2 YEAR GRAFT \$45.00
Lime green needles set off the white multiple buds; it looks like an improved mugo with a bit of shearing.

PINUS THUNBERGII 'HARDY FORM'..... 2 YEAR GRAFT \$45.00
A short-needled hardy form, our scions came from a tree that was formerly in John Mitch's collection and now resides in Gee's arboretum, undamaged despite several hard winters.

PINUS UNCIATA 'ARABELA #27 WB'..... OLDER \$75.00
A San Sebastian clone from Czechoslovakia stiff one-inch needles with cinnamon tips, it grows 2-3" a year.

PINUS UNCIATA 'ARIES 14 WB'..... 2 YEAR GRAFT \$75.00
Uncinata is generally similar to mugo but more tree- like in habit, 'Aries #14' on the other hand looks just like a dwarf mugo, very tight and charming.

PINUS UNCIATA 'BABY#2 WB'..... OLDER \$75.00
A short needled Czech selection, 2" or so of annual growth, it is a compact neat grower.

PINUS UNCIATA 'BERHAL #4 WB'..... OLDER \$75.00
Yet another of the Czech brooms 2"x2" after ten years a nice little mound.

PINUS UNCIATA 'EDELWEISS WB'..... OLDER \$75.00 2 YEAR GRAFT \$65.00
Found by Joe Braen of edelweiss Nursery of Wisconsin, a tight mound growing only an inch or so a year.

PINUS UNCIATA 'GRUNE WELLE'..... 2 YEAR GRAFT \$75.00
A dwarf irregular plant from a 1989 Horstman plant formerly distributed as uncinata #9.

PINUS UNCIATA 'KLADSKO #2'..... 2 YEAR GRAFT \$75.00

PINUS UNCIATA 'MAJA #26'..... 2 YEAR GRAFT \$45.00
Short needled and tiny this will make a 6" tall green flattened bun in about ten years.

PINUS UNCIATA 'MOUNTAIN MUFFIN'..... OLDER \$75.00
Tight green cow plop, interplant with meadow muffin for greater impact.

PINUS UNCIATA 'OFFEN PASS'..... 2 YEAR GRAFT \$45.00
A witches broom found by Horstman in 1983 at Offen Pass, formerly listed as #17.

PINUS UNCIATA 'PARADEKISSEN'..... 2 YEAR GRAFT \$55.00
A fantastic plant, discovered in 1983 by Horstman on an exposed gravelly slope near Graubünden Switzerland, the original plant was 50cm high by 70 cm wide and estimated to be between 400 and 500 years old, obviously this will take a while to get big.

PINUS UNCIATA 'SILVER CANDLES'..... OLDER \$75.00 2 YEAR GRAFT \$45.00
A nice dwarf selection noted for the prominent new candles, it is irresistible when it is breaking into new spring growth.

PINUS UNCIATA 'SONNEBERG WB'..... 2 YEAR GRAFT \$55.00

PINUS UNCIATA V.ROTUNDATA LA CABANASE..... 2 YEAR GRAFT \$45.00

PINUS UNCIATA V.ROTUNDATA NOVAK..... 2 YEAR GRAFT \$45.00

PINUS UNCIATA 'XENIE #24 WB'..... 2 YEAR GRAFT \$65.00
If you rub this just right a scantily clad woman will pop out and grant you three wishes.

PINUS VIRGINIANA 'MARIETTA Q.'..... 2 YEAR GRAFT \$45.00

PINUS VIRGINIANA 'WATES GOLDEN'..... OLDER \$75.00 3 YEAR GRAFT \$45.00
One of my favorite gold conifers, like many it greens out in summer but when fully colored up it glows.

PINUS WALLICHIANA 'Densa Hill'..... OLDER \$75.00

PINUS WALLICHIANA 'MORTON ARB'..... 2 YEAR GRAFT \$45.00
An upright broad crowned form that has proven hardy at Morton Arb.

PINUS WALLICHIANA 'NANA'..... 2 YEAR GRAFT \$45.00

PINUS X 'MERCURY'..... 2 YEAR GRAFT \$65.00
A cross between Pinus griffithii and Pinus parviflora, fast growing with a horizontal branching habit and long drooping needles.

PINUS 'J. MORRIS ERNIE'..... 2 YEAR GRAFT \$65.00
This is an incredibly tiny tight bun, it looks a bit like aristata whatever it is it's nice.

PSEUDOTSUGA MENZIESII 'AUREOVARIEGATA'..... 2 YEAR GRAFT \$45.00
This showed up around 1990, it is variegated but not stunningly so.

PSEUDOTSUGA MENZIESII 'C. SUE'..... 2 YEAR GRAFT \$45.00

PSEUDOTSUGA MENZIESII 'DELBERT WEEPING'..... 2 YEAR GRAFT \$45.00
Yet another weeping clone, introduced in 1985.

PSEUDOTSUGA MENZIESII 'ELF'..... 2 YEAR GRAFT \$45.00

PSEUDOTSUGA MENZIESII 'EMERALD TWIST'..... OLDER \$65.00 2 YEAR GRAFT \$45.00
A contorted plant a bit like wells weeping, with curious corkscrewed branches.

PSEUDOTSUGA MENZIESII 'ENVIRONMENTALS' 2 YEAR GRAFT \$45.00
 There is a plant in the Harper collection, a very full dense pyramid growth is medium, this would be great for Christmas tree production without having to do any shearing.

PSEUDOTSUGA MENZIESII 'FASTIGIATA' OLDER \$65.00 2 YEAR GRAFT \$45.00
 A columnar form, actually it is more of a narrow cone, but still rather nice.

PSEUDOTSUGA MENZIESII 'FLETCHER' 2 YEAR GRAFT \$45.00
 A handsome dwarf flat-topped spreading form with gray-green needles originating in the UK in 1923; excellent photo in Conifers: The Illustrated Encyclopedia.

PSEUDOTSUGA MENZIESII 'FRETZI' 2 YEAR GRAFT \$45.00
 'Fretzi' is strange, with unusual short thick needles it hardly looks like a Douglas fir, it is also on the tender side so use some care when you pick a spot for it.

PSEUDOTSUGA MENZIESII 'HAPPY CAMPER' 2 YEAR GRAFT \$45.00

PSEUDOTSUGA MENZIESII 'HORNBECKER' 2 YEAR GRAFT \$45.00

PSEUDOTSUGA MENZIESII 'LITTLE JON' 2 YEAR GRAFT \$75.00
 A nice dwarf it forms a perfect dark green globe that grows about 2-3 inches a year see the comments under Graceful Grace.

PSEUDOTSUGA MENZIESII 'LOMBART WEeping' 2 YEAR GRAFT \$45.00
 A weeping form raised from seed by Pierre Lombarts in 1910.

PSEUDOTSUGA MENZIESII 'OAKRIDGE' OLDER \$65.00

PSEUDOTSUGA MENZIESII 'PINE GROVE G' OLDER \$65.00
 Introduced by Mat Wingle of Cedar Ridge nursery, there is a beautiful specimen in the Heartland collection, a striking plant with golden yellow new growth it is pyramidal upright reaching 15' in ten years.

PSEUDOTSUGA MENZIESII 'PEATIE COWBOY' 2 YEAR GRAFT \$45.00

PSEUDOTSUGA MENZIESII 'PENDULA' 2 YEAR GRAFT \$45.00
 The common weeping form, this is one of several pendula clones that are widespread in the nursery trade.

PSEUDOTSUGA MENZIESII 'POWELL VALLEY' 2 YEAR GRAFT \$45.00

PSEUDOTSUGA MENZIESII 'PROSTRATA' 2 YEAR GRAFT \$45.00
 A flat growing plant from Punnett's garden, very distinct and apparently not in the trade. 'Prostrata' would be invalid under the rules for nomenclature. I've considered changing the name to 'Punnett's Lightning Rod', cleverly hiding near the ground it remains safely unscathed but attracts bolts to every tree within a quarter mile.

PSEUDOTSUGA MENZIESII 'PUMILA' 2 YEAR GRAFT \$45.00
 A shrubby form that originated with Anthony Watterer at Knaphill Nurseries way back in 1899.

PSEUDOTSUGA MENZIESII 'SEATTLE MOUNTAIN' 2 YEAR GRAFT \$45.00
 An upright growing golden form.

PSEUDOTSUGA MENZIESII 'SHORTY'S WEeping' 2 YEAR GRAFT \$45.00
 This isn't short it was found by Shorty in Ridgefield, WA, an upright weeping form that can push 2' of growth per year.

PSEUDOTSUGA MEN. 'SINCLAIRS WEeping' OLDER \$75.00
 A green weeping form from June Sinclair of Port Ludlow, WA.

PSEUDOTSUGA MENZIESII 'SKYLINE' 2 YEAR GRAFT \$45.00
 A snake form of Doug Fir, very irregular with a good blue color, unfortunately it is on the tender side.

PSEUDOTSUGA MENZIESII 'VALDSTEJN' 2 YEAR GRAFT \$75.00
 A Dutch selection growing 3-4cm per year with a fairly open habit and dark green needles.

PSEUDOTSUGA MENZIESII 'VALE' 2 YEAR GRAFT \$45.00
 Yummy, Shaped like a Hershey's Kiss.

PSEUDOTSUGA MENZIESII 'WATNONG' 2 YEAR GRAFT \$45.00

PSEUDOTSUGA MENZIESII 'WAGIN' TAIL' OLDER \$75.00
 A twisted form that is very similar to 'Wells Weeping'.

PS. MENZIESII 'WELLS WEeping #2' 2 YEAR GRAFT \$45.00
 A most unusual plant really more contorted than weeping with curious twisted branchlets that are reminiscent of Tsuga canadensis 'Hortsford Contorted' but on a much stronger growing plant.

PSEUDOTSUGA MENZIESII 'WYCOFF'S BIG BLUE' 2 YEAR GRAFT \$75.00
 An exceptionally good blue form annual growth is about a foot, the original is in the Harper collection.

PSEUDOTSUGA MENZIESII 'YAHOO' 2 YEAR GRAFT \$45.00
 Looking for Brooms we prefer to drive slowly along fire lanes however if you must use the net Google works better than Yahoo. Remember, site this carefully otherwise Google will crush it.

PSEUDOTSUGA MEN. 'YEAGER'S BROOM' OLDER \$75.00 2 YEAR GRAFT \$45.00

SEQUIADENDRON GIDANTEUM 'POWDER BLUE' 2 YEAR GRAFT \$75.00
 This has been hardy in the Gee arboretum for many years, 30' or so tall it is very impressive.

TAXODIUM DISTICHUM 'CASCADE FALLS' 2 YEAR GRAFT \$75.00
 A good weeping form this will be a groundcover if it is not staked.

TAXODIUM DISTICHUM 'CAVE HILL' 2 YEAR GRAFT \$75.00
 A nice dwarf selection from Cave Hill Cemetery, the plant is supposed to resemble a peony, somehow this image eludes me.

TAXODIUM DISTICHUM 'CODY'S FEATHER' 2 YEAR GRAFT \$65.00

TAXODIUM DISTICHUM 'CRAZY HORSE' 2 YEAR GRAFT \$75.00

TAXODIUM DISTICHUM 'DEBONAIR' 2 YEAR GRAFT \$65.00
 There are photos on the web of a plant in the Gotelli collection in Washington DC. Looks good to me.

TAXODIUM DISTICHUM 'FALLING WATERS' 2 YEAR GRAFT \$75.00

TAXODIUM DISTICHUM 'FASTIGIATA' 2 YEAR GRAFT \$65.00
 A columnar form this will eventually reach 150', just the thing for the entrance to your favorite swamp.

TAXODIUM DISTICHUM 'GEE WHIZ' OLDER \$85.00 2 YEAR GRAFT \$65.00
 Gary found this down at Hidden Lake, which is amazing considering the number of conifer junkies that have passed it by without noticing it; not quite clear on the wiz part but maybe that explains it.

TAXODIUM DISTICHUM 'HURSLEY PARK' 2 YEAR GRAFT \$75.00

TAXODIUM DISTICHUM 'LITTLE TWISTER' 2 YEAR GRAFT \$75.00

TAXODIUM DISTICHUM 'NANQING BEAUTY' 2 YEAR GRAFT \$65.00

TAXODIUM DISTICHUM 'PEVE YELLOW' 2 YEAR GRAFT \$75.00
 Yellow foliage, the plant is not as large as the species.

TAXODIUM DISTICHUM 'RAPID SPORT' 2 YEAR GRAFT \$65.00

TAXODIUM DISTICHUM 'SHAWNEE BRAVE' OLDER \$75.00
 A seedling selection, narrow pyramidal to columnar in habit, it is fast reaching 15' in ten years.

TAXODIUM NUTANS 2 YEAR GRAFT \$65.00

TSUGA CANADENSIS 'ARMISTICE' OLDER \$75.00
 A dense irregular conical plant with dark green foliage it is confused in cultivation with 'Muttontown'.

TSUGA CANADENSIS 'BACON CRISTATA' OLDER \$75.00
 An extremely dwarf cristate hemlock found in the wild in New Jersey in 1925 by Ralph Bacon and introduced by 'Watnong' nurseries it resembles 'Jervis'; good dark green foliage but nicely cristate.

TSUGA CANADENSIS 'BURKETT'S DWARF' OLDER \$75.00
 A nasty disease caused by oncogenes associated with the Epstein Barr virus, no wait that is Burkett's Lymphoma, Burkett's dwarf is a congested irregular broomish thing of obscure origin that is much more desirable than Burkett's Lymphoma.

TSUGA CANADENSIS 'CAPPY'S CHOICE' OLDER \$75.00
 A Mitch introduction of a seedling selected by James Caperci from Rainer mount alpine gardens, compact and low growing with fine textured foliage, it will reach 18" in ten years.

TSUGA CANADENSIS 'FASTIGIATA' OLDER \$75.00
 An upright columnar form, long cultivated, there are probably several clones being grown under this name ours is the Buchholtz form.

TSUGA CANADENSIS 'FROSTY' OLDER \$75.00
 An upright bushy plant 4' after seven years; that is almost completely white, but flushed with pink and red in winter and must be kept in shade for best color.

TSUGA CANADENSIS 'EVERETT GOLDEN' 2 YEAR GRAFT \$65.00
 Found in the wild near Eaton New Hampshire by Sam Everett in 1918, it is stiff textured and rather upright plant with a good gold color.

TSUGA CANADENSIS 'GRACILIS NANA' OLDER \$75.00

TSUGA CANADENSIS 'GREENWOOD LAKES' 2 YEAR GRAFT \$75.00
 An irregular upright dwarf form similar to 'Hussii' but a bit more vigorous, discovered in the 1930's near Greenwood Lake, N.J. it has excellent winter color and is an all around great plant.

TSUGA CANADENSIS 'HARMAN' OLDER \$75.00

TSUGA CANADENSIS 'HORTSFORD CONTORTED' OLDER \$75.00
 Strangely twisted, no not me, the plant, it was discovered by Hortsford and introduced by Ziegenfuss of Hillside Gardens back in 1970; weird as hell but slow to establish.

TSUGA CANADENSIS 'HUMPHRY WELSH' OLDER \$75.00
 A very unhemlock-like plant with short slender needles, somewhat adpressed, showing off their undersides, annual growth is vigorous and upright with pendulous branch tips, the entire plant has an almost filiform look.

TSUGA CANADENSIS 'KELSEY'S WEeping' OLDER \$75.00
 A beautiful (or bizarre depending on your taste) asymmetrical weeping form that needs a lot of room, generally it has a single twisted horizontal-gradually ascending trunk with long pendulous side branchlets, one of the original plants is in the Arnold Arb and has spread to impressive proportions.

TSUGA CANADENSIS 'LEWIS' OLDER \$75.00

TSUGA CANADENSIS 'MUTTONTOWN' OLDER \$75.00
 Another choice hemlock, supposedly two forms in cultivation under the same name

TSUGA CANADENSIS 'STEWART'S GEM' 2 YEAR GRAFT \$75.00
 Different Robert Stewart, this is a compact globular form slightly nested with cinnamon tipped arching branches, introduced by Welch in 1984, 15" high by 3' wide after 18 yrs.

TSUGA CANADENSIS 'STOCKMANS DWARF' 2 YEAR GRAFT \$45.00
 A compact prune growth form distributed by Vermeulens, it was previously known as compacta MK1.

TSUGA CANADENSIS 'STRANGER' OLDER \$75.00
 Rich deep green upright when young, slow growing like Geneva but heavier textured.

TSUGA CANADENSIS 'VARIEGATA' OLDER \$75.00

TSUGA CANADENSIS 'WATNONG STAR' OLDER \$65.00
 A globose plant with soft almost white foliage found in a wood in New Hampshire by Robert Clark and introduced by Watnong Nursery in 1970, semi-dwarf, irregular upright, ends of branches a bit twisted showing silvery reverse.

TSUGA DIVERSIFOLIA OLDER \$75.00
 The northern Japanese counterpart of Tsuga sieboldii, it's tough surviving in the Moscow Botanic Garden.

LATE GRAFT ADDITIONS

No time left for descriptions however feel free to write your own. If you think they are catalog worthy send them to me and we will try to include them for next season or put them up on the web site.

PUNNETT'S HINTS FOR BORDERLINE PLANTS

Plants of borderline hardiness may require a special site in the garden. The following conditions will often help your borderline plant survive and perform at its best. Try planting near a heated building foundation, or if planting in the garden place it under high overhead shade, but where late season sun will shine on the plants in the afternoon. Pick a well-drained site or plant on a low mound of soil to help with drainage. Mulch heavily in late fall after the plant is dormant, avoid mulches that tend to get soggy and wet, and remove 2/3 of the mulch in spring, after the danger of frost is past. Avoid windswept sites and or protect with a strategically placed windscreen of burlap or evergreen boughs, Watch out for sun scorch, plants that are hit by morning sun are often susceptible. Protect against mouse, rabbit, and deer damage. Don't be too hasty to declare things dead in spring. Plants killed to the ground often come back and grow on into fine specimens.

HARDINESS

What! No zone maps? Most of the things in this catalog are hardy, but that word means different things to different people. It is our feeling that zone information does more harm than good and although I do make mention of zonal information it is scattered throughout the descriptions not etched in stone next to the name. They are more like speed limits, which most drivers ignore to a greater or lesser extent depending on conditions. Most of what is in print is wrong, and we would rather not perpetuate misinformation. We mostly look at a plants range in the wild and the altitudes that it occurs in and draw our own conclusions. We also tend to be a bit optimistic and if there seems like any chance, we try it and see. Look at the number of winter hardy things from South Africa and the southeastern U.S. and warmer regions of China. A number of the very high altitude species winter fine but melt in our summers. Some plants from very cold regions live under a thick blanket of snow in the winter and do poorly with little snow cover and winter rains. Placement in the garden makes a great difference as well. Some plants will winter fine in one spot but move them a few hundred feet and they die. You need to understand the microclimates in your garden to be successful with some of the tricky ones. To be successful you often need a few plants to experiment with, don't give up on the first try. "Been There - Killed That" words to live by from Dan Hinkley, who I suspect has killed his share like all the rest of us. Indeed the only way to tell who's best among the elite growers is who has killed the most plants. Around here Dick Punnett leads the race but Fred Case, Betty Blake, Tony Reznicek, Harry Elkins, and Jim Briggs and several others all run close seconds; We're probably dead last but closing fast after the last couple of winters. We ought to have "Been There - Killed That" "T" shirts printed for the real master gardeners. If you are having trouble with

a plant talk to other good growers in your area and see what they grow and how they do it, but don't take their word as gospel. I'm always amazed when good growers come to the nursery, see a plant and insist that they can't grow it in their garden, especially when it seems easy here. On the other hand, its always amazing to see what treasures are to be found in the Punnett or Case or Reznicek gardens that I was convinced could never be grown around here. Punnett used to be a purist and would only grow it if it would survive without protection (a very long list) but lately he is fussing over a few treasures and even muttering about a small greenhouse. If it won't survive outside and you really want to grow it, put it under poly. Small polyhouses are cheap to build and heat. Any way you slice it, Tree Ferns and Cycads just don't stand much of a chance outside in Montana. Our best advice to those in denial is to move south or build a bigggg polyhouse. After a while you develop a sense of what is likely to be hardy, based primarily on where it comes from and what its related to. Actually, some people never seem to, they insist on trying to grow things that are just plain impossible (to give them their due, they do occasionally find something that is much hardier than anyone ever supposed). A garden of nothing but dead and dieback plants doesn't do much for us, its important to integrate the plants properly in the landscape and camouflage plants that come out of winter looking a little beat up. Also, be sure to remove all signs of their dead bodies and give them an unmarked grave, (we are talking plants here not humans, real corpses in the garden is a whole different problem and beyond the scope of this work). Of course every now and then someone shows up at the nursery and gives everyone the creeps, kind of makes you wonder?

BROADLEAF EVERGREENS & DECIDUOUS SHRUBS

Important see ordering instructions on page 4

Those of you who live close enough to shop at the nursery know how much our shrub selection has changed, the bulk of the nursery is now occupied with shrubs, many in rather large heavy pots (BAPs the acronym is obvious). Over the years we have grown fond of shrub gardening. We never set out to be a woody plant nursery, concentrating instead on rare herbaceous materials and rock plants. But in the last few years, we have acquired quite a collection, partly because we are hopeless plantaholics and partly because Dick keeps bringing in new treasures. If you have the room, shrub gardens are great, with a heavy initial mulching they are very low maintenance and look fantastic all year long while providing excellent wildlife habitat.

ABELIA 'EDWARD GOUCHER'BAP.- 1@ \$29.00
A hybrid produced at Glen Dale by Edward Goucher in 1911 between Abelia x grandiflora and Abelia schumannii the foliage takes after grandiflora; however, the dark pink flowers reflect schumannii. It is showier than grandiflora but perhaps a bit more tender.

ABELIA GRANDIFLORA 'SHERWOOD' S. P. -1@ \$19.00
A compact form this may be synonymous with 'nana', 'Sherwood' is lovely, small leaved and much more refined than most grandiflora types.

ABELIA MOSANENSIS S. P. -1@ \$19.00
A deciduous Korean species with fragrant pink tubular flowers, white on the inside giving a unique two tone effect in spring. Fall color is an excellent orange red which tends to develop late. Mosanensis is supposed to be considerably hardier than the other evergreen species we offer.

ABELIA X GRANDIFLORA 'CONFETTI' S. P. -1@ \$19.00
A striking variegated plant with a creamy margin that turns pinkish red in autumn; fragrant white flowers are produced for many months, it is a sport of 'Sherwood' but is even dwarfier, growing 18-24" high with a greater spread, it is ideal for massing and ground cover applications.

ABELIOPHYLLUM DISTICHUM G- \$24.00
White Forsythia from Korea, early blooming, intensely fragrant white flowers from mauve buds one branch will perfume an entire room. This is a great winter cut flower.

ACANTHOPANAX SIEBOLDIANUS 'VARIEGATUS' G.- 1@ \$24.00
Now known under the hideous name Eleutherococcus sieboldianus, which sounds like something terrorists would use as a biological weapon, it is an extraordinary variegated plant that will eventually grow to 8' or more, providing an excellent focal point in a shady border and perfect as a spiny hedge to exclude trespassers.

ACER AFF RUFINERVE 2G.- 1@ \$39.00
Urihadakaede roughly translated as "melon skin maple" it is in the snakepark group related to capillipes and native to mountain forests in Japan. Fall color is orange to red; this is one of the commoner snakebark maples and can reach 15m high.

ACER CAPILIPES S. P. -1@ \$15.00
Known as the Red Snakebark Maple or Kyushu Maple this is a wonderful snakebark that typically grows 10-15m high and is often multitrunked, fall color is a beautiful red which contrasts well with the striped bark. In the wild in southern Japan it is often found along mountain streams

ACER PALMATUM V. ATROPURPUREUM S.P.- 1@ \$35.00
One of the toughest Japanese Maples at least when they are on their own roots which these are, it is fully hardy here with excellent reddish purple color that get's even better in fall. Grafted maples are chancy in the north because you never know how hardy the understock is which is why we prefer them on their own roots. Also there is no understock to cut off.

ACER RUBRUM 'SUN VALLEY' 2G.- 1@ \$49.00
Selected by the National Arb 'Sun Valley' is a cross between Acer rubrum 'Red Sunset' and Acer rubrum 'Autumn Flame'. It is tolerant of wet soils and has exceptionally long lasting red fall color. It is also genetically leafhopper resistant and hardy to at least zone 4.

ACER TRUNCATUM EX KROSSA S. P. -1@ \$12.00
A Chinese and Korean species known as the Purpleblow Maple, it is generally adaptable and easy to grow. The sap is milky which is somewhat uncommon in maples. It is closely related to Acer mono and Acer cappadocicum. These are from seed collected in the late Gus Krossa's garden and still very small one year plants.

AESCULUS CALIFORNICA 2G.- 1@ \$29.00
Fast growing from its huge nuts we had to pot them in two gallon pots the first year. They should eventually grow to 15' or more with fragrant white flowers that butterflies find attractive. It is very tolerant of summer drought. Hardiness zones are all over the place but Siskiyou calls it zone 6 and they are usually pretty reliable.

AESCULUS HIPPOCASTANUM G.- 1@ \$24.00
Horsechestnut can be spectacular in the right setting they get huge 100' tall and nearly as wide with very showy panicles of flowers. They are best viewed from a distance and planted in moist soils to avoid the late summer ugly leaf problems. The nuts are pretty much useless but kids do love to throw them, mostly at each other.

AESCULUS PAVIA G.- 1@ \$29.00
My favorite dwarf Buckeye and an important parent of many of the red hybrids. It is quite variable even in the wild. Most specimens are under 20' in height however specimens over 60 ft are known to exist.

AESCULUS PARVIFLORA V. SEROTINA G.- 1@ \$29.00
A long racemed form of Bottlebrush buckeye it prefers moist shady sites and is one of the best summer flowering shrubs.

AESCULUS PARVIFLORA (SEEDLING OF ROGERS) G.- 1@ \$29.00
Considered to be the largest flowered of all the bottlebrush types rogers comes quite true from seed, culture is the same as for the species. this is one of my favorite shade plants.

ALNUS GLUTINOSA 'IMPERIALIS' G.- 1@ \$24.00
An elegant and refined cut leaf selection of black alder, old plants are spectacular. This is an excellent choice for wet sites, even growing in standing water although it will tolerate dry sandy upland sites as well. Like many plants that fix their own nitrogen it is a relatively fast grower. It is also a good place to search for Feniseca tarquinius, our only carnivorous butterfly larva which is rather fond of alder aphids, camouflaging itself by gluing on the sucked dry carcasses of it's victims.

AILANTHUS ALTISSIMA S. P. -1@ \$15.00

We think this Simarubaceous tree has gotten a bad rap, it is incredibly tolerant of pollution and virtually unkillable, it will make 5' of growth in a year, the bark is quite attractive and the 16" panicles of flowers are not bad although the male flowers do smell bad. Plant it in a fencerow where it can be viewed for a distance and use it to rear Samia cynthia a beautiful silk moth. Be warned however it will seed and sucker.

ALNUS GLUTINOSA 'IMPERIALIS'G.- 1@ \$29.00
An elegant and refined cut leaf selection of black alder, old plants are spectacular, this is an excellent choice for wet sites, even growing in standing water although it will tolerate dry sandy upland sites as well. Like many plants that fix their own nitrogen it is a relatively fast grower. It is also a good place to search for Feniseca tarquinius, our only carnivorous butterfly larva which is rather fond of alder aphids, camouflaging itself by gluing on the sucked dry carcasses of it's victims.

AMELANCHIER GRANDIFLORUM BAP.- 1@ \$39.00
A hybrid between A. arborea and A. laevis. Notable for the large flowers and attractive bark, fruit starts out red and gradually turns purplish black.

AMELANCHIER LAEVIS BAP.- 1@ \$39.00
The Allegheny Serviceberry often forms several trunks and grows in shade or partial shade and can be used to attract birds. The main ornamental feature is the white flowers born in drooping clusters in mid-spring. The purplish, black berries are sweet and juicy. The fall color is yellow to red.

AMELANCHIER LAMARKII BAP.- 1@ \$39.00
Amelanchier lamarkii is of unknown origin. Although generally considered to be a distinct North American species, some experts believe it to be a naturally occurring hybrid that comes true from seed and designate it as A. x lamarkii. Some claim the parentage to be A. canadensis x A. laevis, others assert the parentage to be A. arborea x A. laevis. This serviceberry is a deciduous, understory tree or tall shrub that typically grows 15-25' tall. It is very similar in appearance to A. laevis, it features showy, 5-petaled, slightly fragrant, white flowers in drooping clusters that appear in early spring before the leaves. Flowers give way to small, round, edible berries which ripen to dark purplish-black in June and resemble blueberries in size, color and taste. Berries are often used in jams, jellies and pies. Fall color is red-orange

AMORPHA FRUTICOSA S. P. -1@ \$19.00
Bastard Indigo, the perfect gift for that special someone Flowers are generally purple pea things although pale blue or white is possible, on plants that can reach 4m in height.

AMORPHA NANA S. P. -1@ \$15.00
Attractive miniature shrublets that may reach 18" with age, with doubly pinnate olive green leaves and spikes of blue-violet pea flowers in summer. They mix nicely with dwarf conifers and rock plants; Bradshaw's collections from Boulder Co, Co at 5800'.

ANDROMEDA GLAUCOPHYLLA SP.- 1@ \$19.00
A highly desirable evergreen shrublet also known as Andromeda polifolia v. angustifolia. Andromeda either is a monotypic genus or has two species depending on how you split this. It is distinguished by the covering of dense white hairs on the underside of the leaves and is native to Greenland and northeastern North America in bogs, flowers are pink.

ANDROMEDA POLIFOLIA 'BLUE ICE' S. P. -1@ \$12.00
Wow is this blue, azure, sapphire, cerulean, we are talking blue blue; this is by far my favorite cultivar, not only is the color fantastic but the plant seems virtually unkillable, even in pots.

ANDROMEDA POLIFOLIA 'NANA' S. P. -1@ \$19.00
An essentially monotypic ericaceous genus (there are two if you count the dubious glaucophylla) with a circumpolar distribution; 'Nana' makes a dwarf green-leaved twiggy shrublet less than a foot tall with small white bell shaped flowers. It survived for a number of years in full sun in a rather dry slightly alkaline rock garden, however a sunny peat bed would be better.

ARALIA: HERBACEOUS FORMSSEE PERENNIAL LISTING

ARALIA SPINOSA S. P. -1@ \$19.00
Dick brought us a big plant of this Eastern American native a few years back, the above ground part at least, most of the roots remained in his garden; it hardly mattered. It has grown with incredible vigor, suckering wildly and producing immense clusters of frothy white flowers atop 20-30' stems. Honeybees are drawn as if by magic (you can hear the honeybees halfway across the nursery).

ARDISIA JAPONICA 'CHIRIMEN' S.P. -1@ \$19.00
Marlberry, Mmm sounds yummy, I have no idea if it is edible but with a name like that I'm not tempted, this little glossy leaved sub shrub is a member of the Myrsinaceae and native to shady acid woods in China and Japan. It is a topnotch groundcover with white flowers and attractive red berries. Durr claims Chirimen is the hardiest selection and has proven itself here, although it does not remain evergreen in winter.

ARONIA PRUNIFOLIA 'HUGIN' S. P. -1@ \$19.00
A Scandinavian selection with a good compact habit, the attractive white flowers are followed by large black fruits that persist until spring, and superb red fall color

ASIMINA TRILOBA S.P. -1@ \$29.00
Pawpaw, grown for its tropical looking foliage, large flowers, edible tasty fruits and most of all to attract Zebra Swallowtail butterflies. These amazingly long tailed butterflies eat nothing else as larvae. If they don't find you, go out and net a few females, bring them home and release them. They are seldom virgins when you catch them and will usually start a colony as long as sufficient food is available and you introduce a bit of genetic diversity. Releasing a single female is not likely to be successful. Don't panic unduly about upsetting ecosystems, butterflies are often blown hundreds of miles outside their natural range, netting a few and moving them changes little.

AUCUBA JAPONICA 'SEVEN HILLS'larger 49.00 smaller .- 1@ \$19.00
A great little corneaceous plant from Japan, evergreen with attractive red berries, these were sent to us by a customer from a hardy northern source.

BACCHARIS MAGELLANICA 'BACA' S. P. -1@ \$19.00
A named form we got from Spring Meadow a few years back. I believe this was originally from Pieter Zwijnenburg, a fantastic plantsman (one of the few to walk around Arrowhead and

recognize most everything at a glance). Like us he is a fanatic grower of everything, his catalog is most impressive, and his reputation for quality is legendary. Native from sea level at the straights to high elevations in Chile, this forms prostrate mats only a few inches tall that can spread to several feet. Baccharis is noted for the silky white bracts that surround the seed, these being showier than the flowers.

BACCHARIS HALMIFOLIA S. P. -1@ \$19.00
A fall-flowering evergreen perennial plant which is commonly found in the southeastern United States, up to maine. It is typically found in coastal plains and wet areas. It is dioecious with male and female flowers on separate plants. Common names include **Eastern Baccharis**, **Groundsel Bush**,

BETULA NIGRA SEEDLINGS S. P. -1@ \$15.00
from named forms, fast growing, borer resistant with spectacular foliage, This is my favorite birch and great for feeding polyphemus moths.

BETULA PLATYPHYLLA EX 'WHITESPIRE' S. P. -1@ \$12.00
Whitespire is resistant to bronze birch borer and has withstood -30f and hightemps of 120f the original plant is now 27 years old and 10m high bark is very white and does not peel. I comes very true from seed.

BERBERIS

Berberis present an odd dichotomy; the crappy species are mass planted by every wanna-be landscape architect in the country while all the really cool species languish in obscurity. It is not so much that Berberis thunbergii is bad, indeed some of the forms are quite nice however they pale when compared to many of the other species we offer, both in terms of floral display and foliage effect. The brilliant orange seen in many of the evergreen species is unmatched by any other shrub. We urge you to try a few of the species Berberis and see what you have been missing.

BERBERIS LEMPERGIANA G.- 1@ \$24.00
A rarely encountered evergreen species from China, Hinkley calls it "sadistically spined" it is closely related to B. juliae but with larger flowers and leaves that are more grayish green.

BERBERIS SHERRIFFII BAP.- 1@ \$29.00
Collected by Sheriff in S.E. Tibet in 1938 (if he really was a spy he sure took his cover seriously) this resembles B. gyalica but the twigs are not pubescent, leaves are entire, occasionally with a small thorn on one side, flowers in panicles of 10-20 followed by red fruits.

BERBERIS SIBIRICA S. P. -1@ \$24.00
Holubec's wild collections of this seldom-available deciduous species, which superficially resembles B. aetnensis with nodding 12mm light yellow solitary flowers. These should be unkillably hardy.

BERBERIS THUNBERGII 'SILVER MILE' S. P. -1@ \$19.00
Burgundy foliage irregularly splashed with white variegation it is not particularly dwarf but can be sheared into hedges if you so desire.

BERBERIS WILSONII S. P. -1@ \$19.00
A gorgeous species with rather small gray green reticulate veined foliage that takes on a bluish cast, flowers are yellow followed by scarlet fruit, this is the AGS form. Wilsonii has been extensively crossed at Wisley to produce some outstanding hybrids.

BERBERIS X HYBRIDO-GAGNEPAINII 'PARK JEWEL' S. P. -1@ \$24.00
Berberis gagnepainii x Berberis verruculosa, also known as Berberis x chenaultii, the hybrids are generally more luxuriant than Berberis verruculosa with lustrous dark green leaves that turn a brilliant red in autumn. Its cold hardiness rivals Berberis julianae, one of the few zone 5 evergreen Berberis.

BERBERIS X FRIKARTII 'AMSTELVEEN' B.A.P. -1@ \$29.00
Berberis candidula x Berberis verruculosa, 'Amstelveen' takes after the candidula parent with attractive leaves bluish white beneath yellow flowers and good winter hardiness.

BERBERIS X STENOPHYLLA 'COROLINA COMPACTA' S. P. -1@ \$19.00
A fantastic fine textured evergreen plant that only reaches 30cm or so in height with brilliant orangish yellow flowers and a charming compact habit. It's a cross of Berberis darwinii x Berberis empetrifolia; with parents like that it's no surprise that it is a standout.

BUDDLEJA (BUDDLEIA)

Buddlejas get a bad rap (actually all rap is bad I can't stand that hip hop crap). Yes their habit is a bit open and except for alternifolia and hemsleyana all are die-back shrubs in the North, but they do have their charms. Most are fragrant, they flower for months, and if you like cut flowers a hedgerow will provide endless material for cutting; flowers last almost 2 weeks in water. Best of all they attract butterflies, hundreds of butterflies. On my top ten list of butterfly nectar plants 9, maybe 10 are Buddleja. Just provide some larval food plants and you have an instant butterfly garden. Below find some of the common ones as well as a few rarities for the collector.

BUDDLEJA CRISPA S. P. -1@ \$19.00
Silvery gray foliage and fragrant orange-throated lavender lilac flowers this can reach 15' in warmer climates. It is one of the more tender species barely surviving outdoors here but great as a cool greenhouse plant.

BUDDLEJA DAVIDII 'BICOLOR' G. 1@ \$19.00
Bicolor is unique, one could even call it indescribably beautiful, I'm certainly struggling to explain its charm. The two-tone flowers change constantly as they age, moreover young plants do not show their full potential. I was unimpressed by our plants the first season but last year they were knockout. Pictures do not do it justice.

BUDDLEJA DAVIDII 'DARTMOOR' G. 1@ \$19.00
The branching flower spikes set this apart from the other davidii forms, it has by far the largest panicles and even though the color is a bit mundane I prefer it to all the other Buddleja davidii forms we grow; an outstanding nectar plant for butterflies.

BUDDLEJA DAVIDII 'PINK DELIGHT' S. P. -1@ \$19.00
What passes for pink in davidii most of the pictures you see have been photoshopped but the butterflies don't seem to care.

BUDDLEJA DAVIDII 'PURPLE PRINCE' S. P. -1@ \$19.00

A good purple, very free blooming and long lived here it doesn't die back as much as some of the cultivars.

BUDDLEJA DAVIDII 'SANTANA' S. P. -1@ \$19.00
The best variegated Buddleja we grow, it is not nearly as reversion prone as White Harlequin.

BUDDLEJA DAVIDII V. NANHOENSIS 'NANHO ALBA' S. P. -1@ \$19.00
A highly attractive white dwarf, gravitational puns aside; it is a good clean white with a neat compact habit.

BUDDLEJA DAVIDII V, NANHOENSIS 'NANHO BLUE' S. P. -1@ \$19.00
as above but blue

BUDDLEJA DAVIDII V, NANHOENSIS NANHO PURPLE S. P. -1@ \$19.00
Compact, very free blooming, July to frost, dark purple flowers with an orange eye.

BUDDLEJA DAVIDII 'WHITE BALL' S. P. -1@ \$19.00
This was a standout in the Spring Meadow Buddleja trials, very compact and free flowering with nice silvery foliage, it is quite unlike any other Buddleja we have seen.

BUDDLEJA DAVIDII 'WHITE HARLEQUIN' S. P. -1@ \$19.00
A white-flowered variegated form from Heronswood, that we find superior to the regular Harlequin; its a better grower for us at least.

BUDDLEJA DAVIDII 'WHITE PROFUSION' S. P. -1@ \$19.00
Large white flower clusters, this is the best large white cultivar.

BUDDLEJA FALLOWIANA AGS CHINA 2481 S. P. -1@ \$19.00
New introduction of this wonderful plant should prove harder than those already in cultivation, soft blue lavender fragrant flowers in long racemes, gray downy foliage.

BUDDLEJA HEMSLEYANA G. 1@ \$19.00
A wonderful plant with a much finer texture than most Buddleja, this Japanese species has showy clusters of two tone light and dark purple flowers and very dark green foliage, at least the plant we grow looks like this, the literature surrounding the name is rather confused. This receives more favorable comments than any other Buddleja in our collection, the original plant in Punnett's garden is now 9' tall, fully evergreen and suckering, it is unlike any other Buddleja we have ever seen.

BUDDLEJA JAPONICA S. P. -1@ \$19.00
We raised these from seed collected from an amazing plant in Dale Deppe's garden. It was in seed when we saw it, absolutely covered with 3-4' arching seed heads; from a distance I thought it was some mutant woody chenille plant. By far the longest flower spike we have ever seen on a Buddleja. We expect some variation (Dale has quite a Buddleja collection and some cool hybrids are possible). However, the leaves look identical to Dale's plant and we have high hopes for the same insane flower heads.

BUDDLEJA KNAPPII G.- 1@ \$19.00
Very unusual with narrow, almost willow like leaves and short racemes of lavender flowers; apparently South African you are unlikely to find much mention of it in Gardening for Dummies.

BUDDLEJA LONGIFLORA S. P. -1@ \$19.00
Closely related to forrestii and now considered conspecific with pterocaulis, a rare and choice Buddleja for the collector, with fragrant lilac flowers in long racemes.

BUDDLEJA LORICATA G.- 1@ \$19.00
Attractive rugose foliage and heads of creamy orange eyed flowers here is another weird one, almost certainly top tender. I'm sure it will persist as a die-back in many areas, the question of course is which ones, let us know how it does for you.

BUDDLEJA MACROSTACHA S. P. -1@ \$19.00
Chinese species that is quite new in cultivation, with gray felted leaves and long panicles of fragrant lavender flowers.

BUDDLEJA SALVIFOLIA S. P. -1@ \$19.00
Here's an odd one for the serious Buddleja nut. From Lake Tanganyika no less, felted sage like leaves and typical Buddleja flowers; it's harder than I would have guessed surviving unprotected and growing into a huge plant in Dick's garden.

BUDDLEJA STENOSTACHA S.P. 1@ \$19.00
Native to Western Sichuan and similar to B. nivea but less floccose-tomentose, bearing 15-40cm panicles of orange throated lilac flowers densely pubescent inside and out.

BUDDLEJA X PIKEI 'HEVER CASTLE' (alternifolia x crispa) S. P. -1@ \$19.00
Originating at 'Hever Castle' in England in 1950, the plant resembles B. alternifolia in foliage; flowers are lavender with an orange throat and are very fragrant, making their appearance in autumn unlike alternifolia, which is a spring bloomer.

BUDDLEJA X WEYREANA 'GOLDEN GLOW' S. P. -1@ \$19.00
One of several new weyreana hybrids making the rounds of late, each claiming to be the best globosa x davidii cultivar. We leave it to you to decide.

BUDDLEJA X WEYREANA 'SUNGOLD' S. P. -1@ \$19.00
The original davidii x globosa cross 'Sungold' bears terminal panicles of yellow flowers. It is considerably harder than globosa but lacking the skewed ball floral display.

BUXUS MICROPHYLLA CURLEY LOCKS S. P. -1@ \$12.00
A shrubby plant with unusual twisted branches and an interesting curl to the leaves. Small 2y cuttings

BUXUS MICROPHYLLA 'GOLDEN DREAM' S. P. -1@ \$12.00
Buxus microphylla 'Golden Dream' A beautiful variegated version of little leaf Boxwood with shiny green leaves that have distinct golden yellow margins. Nice compact rounded growth habit it makes a perfect slow growing, colorful foundation shrub for full sun or partial shade. We admired this at Gees and Gary gave them to us. Small 2y cuttings

BUXUS MICROPHYLLA MORRIS DWARF G. 1@ \$12.00
Dwarf somewhat irregular form that makes a nice bonsai or rock garden shrub.

BUXUS 'EMERALD PRINCESS' S. P. -1@ \$12.00
Medium sized with good green color even in winter, it is quite burn resistant and generally a good grower.

BUXUS SEMPERVIRENS AUREO PENDULA S. P. -1@ \$12.00
Tall & bushy with drooping side branches its attractive with yellow-streaked variegation. It is a standout in Jim and Sandy Wilkins's elegant garden; yes, there is life after Hosta.Small 2y cuttings

BUXUS SEMPERVIRENS COOLIE GARDEN S. P. -1@ \$19.00
An upright growing plant not as narrow as 'Graham Blandy'. The plant at Coolie Gardens is ancient and is never damaged in winter.

BUXUS SEMPERVIRENS GRAHAM BLANDY S. P. -1@ \$15.00
An extremely narrow, upright plant. It is fast growing when established. When 20' tall, it will be 4' wide, a striking plant that will surely catch your eye in the landscape.

BUXUS SEMPERVIRENS GREEN BEAUTY S. P. -1@ \$12.00
Compact evergreen dwarf, retains its dark green color year round, upright habit.Small 2y cuttings

BUXUS SEMPERVIRENS 'NEWPORT BLUE' S. P. -1@ \$12.00
It may be stretching things a bit to call this blue however it does have a glaucous cast. It was selected in the 1940's by Boulevard Nurseries; growth is 3-5" a year and it will form a nice squat mound about twice as wide as tall.Small 2y cuttings

BUXUS SEMPERVIRENS VARIEGATA (ELEGANTISSIMA) S. P. -1@ \$12.00
Elegant it is, neat creamy white borders on every leaf, compact uniform habit even without shearing, but getting large, eventually reaching 8' if left untouched.Small 2y cuttings

BUXUS SINICA V. INSULARIS 'CASTLE PARK' S. P. -1@ \$19.00
We got this along with 'Leo's Jewell, again selected for lack of winter damage.

BUXUS SINICA V. INSULARIS 'LEO'S JEWEL' S. P. -1@ \$19.00
One of our local landscapers brought us this; he claims no winter damage, works for me.

BUXUS SINICA V. INSULARIS 'TIDE HILL' S. P. -1@ \$19.00
A tough form with good year round green foliage. It will be 15" tall by 5' wide after twenty years. Although is more of a ball when young. Thanks to Tim Woods and Dale Deppe who were kind enough to share this with us even though they had not yet cataloged it (give'em a call if you are looking for wholesale quantities).

BUXUS SINICA V. INSULARIS WINTER BEAUTY S. P. -1@ \$12.00
Also very cold tolerant this is a good mounded form with tough dark green foliage.Small 2y cuttings

CALLICARPA EX BODNIERI PROFUSION EX HAMMER S. P. -1@ \$15.00
Deciduous, showy purple pea sized berries persist into winter, from seed but they look identical to the clonal form. It is one of the showiest plants for berries.

CALLICARPA GIRALDII (BODNIERI) 'PROFUSION' -1@ \$29.00
Cutting grown from a plant labeled Bodnieri Profusion from Heronswood. It has extremely large leaves and is quite unlike Callicarpa 'ex bodnieri Profusion', Langhammer re-keyed it and insists that this is actually a form of Callicarpa giraldii, a yellow glanded species which is the Asian counterpart of Callicarpa americana and I can believe it. Very large leaved, it tends to behave as a dieback shrub here. Berries are great looking and overall it is the most distinctive looking Callicarpa we offer.

CALLICARPA DICHOTOMA 'SPRING GOLD' G. -1@ \$19.00
A Japanese cultivar with bright gold spring growth that gradually becomes green as the season progresses, typical arching stems of metallic purple berries.

CALLICARPA DICHOTOMA 'ALBAFRUCTUS' BAP.- 1@ \$29.00

CALLICARPA JAPONICA BAP.- 1@ \$29.00
Seedling grown, Rothmans stock, coming from him I would expect good fruiting forms.

CALLICARPA JAPONICA 'LEUCOCARPA' BAP.- 1@ \$29.00
The white-fruited form of Japonica, cut stems hold their berries well and are great in dried arrangements. 'Leucocarpa' is lovely in the landscape combined with the purple forms.

CALLICARPA DICHOTOMA 'SPRING GOLD' G. -1@ \$19.00
A Japanese cultivar with bright gold spring growth that gradually becomes green as the season progresses, typical arching stems of metallic purple berries.

CALYCANTHUS FLORIDUS S. P.1@ \$19.00
Sweet shrub, curious anise scented red flowers will perfume your garden in May and sporadically throughout the summer; its one of our best native shrubs.

CALYCANTHUS OCCIDENTALIS S. P.1@ \$29.00
Relatively rare in cultivation, this is the western counterpart of the above with reddish brown flowers and large leathery almost magnolia-like leaves. It's a streamside plant that Ratko collected at relatively low altitude. It has been hardy for us with a bit of protection and is extremely vigorous producing 6' shoots in a year with flowers that are larger than floridus.

CALYCANTHUS (ATHENS X FLORIDUS) OPEN POLL G. -1@ \$19.00
Open pollinated seedling of Athens, which is yellow growing side by side with a normal red floridus. We did the cross both ways but the two batches got mixed, however, that may not make much difference. These could be cool. And backcrosses may be even better.

CAMPYLOTROPIS MACROCARPUS BAP.- 1@ \$29.00
A seldom-encountered Chinese legume a bit reminiscent of Lespedeza, in late summer it produces clusters of purple pea flowers in terminal racemes.

CARAGANA PYGMAEA S. P. -1@ \$19.00
Dwarf spiny subshrub with yellow pea flowers from China and Siberia we find it much easier than C. jubata, which is hard for us to keep alive.

CARAGANA SINENSIS S. P. -1@ \$19.00
Punnett likes Caragana so we scrounged another species to add to the list. The name probably should be sinica, but don't count on me I suffer from Caragana Dyslexia, a rare disease where all those little pea things look alike (except for Clitoria of course).

CARMICHAELIA ADPRESSA S. P. -1@ \$15.00
A bit of a mystery, it's a bad sign when Google draws a blank but hey all the Carmichaelias are cool with their little pea flowers and seeds that are suspended in neat little rings.

CARPINTERIA CALIFORNICA S. P. 1@ \$19.00
Ratko's collection of this monotypic gem, at 2700' on the Sierra Nevada, an evergreen shrub with 4" glossy narrow leaves and pure white flowers up to 3" across that resemble a Stewartia or Anemone, scented of honey lemon. Seed supposedly requires fire or GA3 to germinate although in our experience this is not true. Carpinteria is in the Hydrangeaceae and probably closest to Philadelphus, but more then weird enough to be classed monotypic. Rix calls it hardy to -15c.

CARYA OVATA S. P.1@ \$19.00
Shagbark hickory is great, the nuts are delicious (flying squirrels adore them and have a signature chewing pattern. luna moth caterpillars feed on the leaves, the wood is amazingly strong the exfoliating bark is delightful in winter, it is an all around great tree.

CARYOPTERIS DIVERICATA BAP.- 1@ \$24.00
Japanese species, large blue flowers with prominent stamens in late summer, 5' very showy, and unlike the better-known species, seldom offered. We like to grow it in our large mixed perennial border. It really is more of a woody based perennial than a shrub. The curled blue flowers with their strongly exerted stamens never fail to catch a passing eye.

CARYOPTERIS DIVERICATA 'SNOW FAIRY' G. -1@ \$19.00

A new variegated form of divericata with bold variegation, it is one of the best new variegated shrubs we have seen. Typical blue flowers and exciting foliage, hey something must like it our stock plant in the garden came up missing. Fortunately it is in tissue culture and we now have plenty. We wondered a bit about hardiness but we are now convinced that it is fully hardy once established.

CARYOPTERIS CLANDONENSIS 'GRAND BLEU' G. -1@ \$24.00
An induced mutation of 'Heavenly Blue' it is about half the size and very free flowering. This is the best of the newer hybrids in my estimation.

CARYOPTERIS CLANDONENSIS 'SUNSHINE BLEU' S. P. -1@ \$24.00
Vastly superior to Worcester Gold, 'Sunshine Blue' is simply the best gold leaved Caryopteris flowers are nearly as dark as 'Dark Knight'.

CARYOPTERIS CLANDONENSIS 'SUMMER SORBET' S. P. -1@ \$24.00
Clusters of brilliant deep blue flowers in late summer into the fall and neatly yellow edged foliage that is attractive all season long make 'Summer Sorbet' hard to beat..

CASTANEA DENTATA S. P. -1@ \$19.00
These look to be mostly pure American Chestnut (it is possible they are hybrids) from a plantation that has been resistant to chestnut blight. I was eating these as we planted them and can attest to the fact that they are delicious, far better than the chestnuts you buy at the grocery store. Please help reforest the American Chestnut (check out the board foot price for wood).

CASTANEA MOLLISIMA BAP. -1@ \$29.00
Don't roast these by an open fire they are much better eaten raw, the roasted ones are disgusting. Trees are chestnut blight resistant and will reach 60' high with a wide spreading crown.

CASTANEA PUMILA S. P. -1@ \$19.00
Alleghany chinkapin, flowers are Monoecious; male flowers are small and pale yellow, borne on semi-upright catkins 4 to 6 inches long; female flowers are borne on the base of some of the same catkins, 1/8 inch long, appear in late spring. The nuts are small, in a bur covered with sharp spines, 3/4 to 1 1/2 inches in diameter, often the burs occur in clusters on stems; each bur contains a single, shiny chestnut brown, ovoid nut. Nuts are edible and quite sweet when mature in the fall. The plant's habitat is dry sandy and rocky uplands and ridges mixed with oak and hickory. It is a spreading shrub or small tree, reaching 2-8 m in height at maturity. The bark is red or gray brown and slightly furrowed into scaly plates. it is fairly resistant to Chestnut blight.

CATALPA BIGNOIDES AUREA S. P. -1@ \$15.00
The golden form of Catalpa with showy white flowers. Lepidoptera lovers grow it for the large sphyngid moth that feeds only on catalpa and the larva also make great fish bait.

CATALPA OVATA S. P. -1@ \$19.00
A chinese species known as yellow catalpa, the flowers are best viewed through yellow sunglasses. seed pods are very skinny, these are from an old plant in nichols arboretum

CATHA EDULIS S. P. -1@ \$19.00
A vile tasting shrub that is chewed in some quarters as a mild stimulant, cocaine has nothing to fear. This tastes putrid and is suitable only for ornamental use. On the other hand, there are cultures that drink the pee of shamans stoned on mushrooms from the skulls of reindeer. This ranks with Tony Reznicek pouring three fingers of Southern Comfort for Ron McBeath (he now has a good single malt on hand for such occasions and the rock garden plant auction may have changed forever).

CEANOOTHUS 'GLOIRE DE VERSAILLES' S. P. -1@ \$19.00
I used to think the only hardy Ceanothus were on the ugly side, not so, this has lovely fluffy powder blue plumes that are showy indeed. The foliage texture is outstanding as well, and better still it flowers mid to late summer when there aren't a lot of flowering shrubs in bloom.

CEANOOTHUS THYRSIFLORUS 'EL DORADO' S. P.1@ \$19.00
A lovely variegated form of thyriflorus, we doubt it will prove hardy here but should be great in warmer climates.

CEANOOTHUS GREGII G.1@ \$24.00
Bradshaw's collections from rocky limestone slopes in Otero Co. NM at 6500', twiggy subshrubs 3' to as much as 6' in height with umbels of white flowers and tiny leaves; these look promising and from 6500' should be reasonably hardy.

CEANOOTHUS PROSTRATUS EX HERONSWOOD S. P.1@ \$19.00
This appears to us to be var. gloriosus, which many botanists consider a distinct species. It is more erect growing than the Ratko form typically a bit over a foot tall but some inland populations can reach 1-2m in height. An evergreen creeping shrub with Ilex like leaves that will eventually reach 8' wide with inch wide clusters of deep blue to violet flowers at the ends of the stems followed by very ornamental red fruit.

CEPHALANTHUS OCCIDENTALIS 'SPUTNIK' BAP.- 1@ \$35.00
Another gift from Tim and Dale at Spring Meadow, as far as I know this is the only dwarf Buttonbush. Actually, this may be the only named form. Very compact with good glossy foliage and globular heads of creamy white flowers with prominent protruding sexual parts. It will grow in standing water.

CERCIS CANADENSIS. MICHIGAN FORM S. P. -1@ \$15.00
Michigan forms from near the northern limits of the species these are far tougher than most of the plants in general cultivation, if you want an indestructible redbud look no further.

CERCIS CANADENSIS 'WEeping SEEDLINGS EX GEE' S. P. -1@ \$19.00
Seedlings from a weeping plant at gees it's too early to tell what the habit will be but none of them are flat to the ground.

CERCIS SILAQUESTRUM S. P. -1@ \$12.00
Judas tree is a cute little redbud native to southern europe and western asia.

CHAENOMELES SPECIOSA 'CAMEO' S. P. -1@ \$19.00
The only Flowering Quince in Dirr's garden, high praise indeed, an outstanding disease resistant plant with incredible double peachy pink flowers.

CHAENOMELES SPECIOSA 'CONTORTA' G. -1@ \$19.00
Warped and twisted this has great potential for piercing body parts, the Dee Snyder of Quinces (What you don't remember Twisted Sister??).

CHAENOMELES SPECIOSA 'JET TRAIL' G. -1@ \$19.00
A white sport of 'Texas Scarlet', it grows to 3' or so with a wide spreading compact habit It is very free blooming and indestructibly hardy.

CHAENOMELES SPECIOSA 'NIVALIS' S. P. -1@ \$19.00
Another good white, 'Nivalis' is larger growing and more upright than 'Jet Trail'.

CHAENOMELES SPECIOSA 'TOYO NISHIKI' S. P. -1@ \$19.00
Multicolored flowers, individual branches contain pure white, pink and red flowers, along with all sorts of intermediates and blotchy streaky flowers. This trains into an exceptional bonsai if you have the patience.

CISTUS POPULIFOLIUS S. P. -1 @ \$12.00
used since antiquity as an analgesic it is the subject of current drug research, and a very showy ornamental with white to pink flowers.

CISTUS SALVIFOLIUS S. P. -1 @ \$19.00
Huge white flowers with brilliant yellow stamens on compact 2-3' mounded plants with attractive sagelike leaves. This is a classic plant for a Mediterranean garden.

CISTUS SP WILD S. P. -1 @ \$19.00
I love Cistus but even the ones that survive here seldom bloom well however they make fine tub plants if you winter them frost-free.

CLEMATIS HERACLEIFOLIA SEE VINE LISTING

CLERODENDRON BUNGEI DJHC 725 BAP. -1 @ \$24.00
This may be harder still although perhaps not quite as showy as the previous form; but one thing is certain it is much faster when it comes to suckering, given sufficient room, lots and lots of room it is spectacular, both in flower and in fruit. We suggest a lawn planting where mowing will keep it contained. On the aggression scale, it is right up there with the running bamboo species. Hinkley collected this from a canyon in Sichuan at 5,500'.

CLERODENDRON TRICHOTOMUM VARIEGATA ('CARNIVAL') G 1 @ \$29.00
Harlequin Glorybower, a member of the Verbenaceae, not as stunning as *C. bungeana* its still a pretty plant in its own right. Durr was a bit hard on it trichotomum is much more well behaved in the garden than *bungeana*. 'Carnival' is a good variegated with wide creamy margined leaves, the fragrant white flowers and blue berries are an added advantage. It is a dieback here except in the mildest of winters.

CLETHRA ALNIFOLIA 'RUBY SPICE' G. -1 @ \$24.00
Cutting grown from the original Broken Arrow stock. 'Ruby Spice' offers the deepest pink non-fading flowers we have seen in a Clethra. Fragrance is outstanding and the plants are vigorous growers, performing at their best in moist acid soils in part shade.

CNEORUM TRICOCCUM S.P.- 1 @ \$15.00
A 60cm tall evergreen shrub with leathery gray green leaves from the Mediterranean, flowers are yellow, followed by red olive like fruits, turning black when ripe.

CONVOLVULUS CNEORUM S. P. -1 @ \$19.00
A tall silky silvery plant with pink Morning Glory flowers, from Heronswood. Its beautiful but very different from the silver leaved dwarf thing we had under this name years ago, this is easy by comparison.

COPROSMA X KIRKII 'VARIEGATA' S. P. -1 @ \$19.00
An outstanding variegated form with small glossy green leaves neatly bordered with white, the stems are horizontal making it ideal as an elegant ground cover. *Coprosma* is hardy here only under a lot of snow, but this should be great for the sissies in zone 7. The name refers to the alleged dung like fragrance of the foliage. I know this sounds dismal but maybe it will attract hordes of metallic horned scarab beetles.

CORNUS ALBA 'GOUCHAULTI' bap. -1 @ \$24.00
A spectacular variegated form that is similar to 'Spaethii' but more vigorous, margins of the leaves are yellow and rose and the center is green and rose with a bit of white, stems blood red in winter ultimately reaching 6-8' in height.

CORNUS ALBA 'ELEGANTISSIMA' bap. -1 @ \$24.00
Well known; taxonomically confused, a red twig dogwood with creamy edged leaves.

CORNUS ALBA 'SIBIRICA VARIEGATED' S. P. -1 @ \$24.00
A variegated form with eye popping variegation, foliage is very deep green and the white variegation provides a particularly sharp contrast.'

CORNUS KOUSA CHINENSIS G. -1 @ \$39.00
A seed grown strain chinensis comes fairly true from seed, vigorous with sweet fruits, I agree with Durr that they will never replace Snickers bars and that it is indeed one of the most beautiful flowering trees.

CORNUS KOUSA EX MILKY WAY G. -1 @ \$39.00
Milky Way originated as a seedling of *C. kousa chinensis* indeed not one seedling but fifteen (selected from several thousand *C. kousa chinensis* seedlings) all called Milky Way and distributed by Wayside. These are seedlings of one of the fifteen, and they look pretty much the same as the original, or at least one of the originals.

CORNUS KOUSA 'WITCHES BROOM SEEDLINGS' g. -1 @ \$24.00
These are seedlings from the high grafted witches broom in our front garden. I suspect size will be variable but they could produce some stuff worth propagating clonally. If you decide to do that please use only one clone per name, the Milky Way thing is insane.

CORNUS MAS 'VARIEGATA' S. P. -1 @ \$29.00
Excellent bold variegation, these are cutting grown first year plants, like *alternifolia* they do much better on their own roots and there is no understock to clip off.

CORNUS STOLONIFERA 'SILVER AND GOLD' S. P. -1 @ \$19.00
A Dick Lighty selection of Yellow Twig Dogwood, its nicely variegated, and considered superior to *argenteo-marginata*; stolonifera is hardly my favorite dogwood but I'm quite taken by this.

CORYLOPSIS SINENSIS V. VIETCHIANA G. -1 @ \$29.00
Dwarfier than straight *sinensis* it only reaches about 1/2 the height (2.5m) with shorter racemes of 6-10 flowers it is fairly common on forest edges in western Hubei at 1300-2000m.

CORYLUS AMERICANA BAP.- 1 @ \$29.00
American filbert (also commonly called hazelnut) is a deciduous, rounded, multi-stemmed shrub which typically grows 8-16' tall in dry or moist thickets, woodlands and wood margins, valleys, uplands and prairies. Monoecious (separate male and female flowers on the same plant). In spring, male flowers appear in showy, 2-3" long, yellowish brown catkins and female flowers appear in small, reddish, inconspicuous catkins. Female flowers give way to small, egg-shaped, 1/2" long, edible nuts (maturing July-August) which are encased in leafy, husk-like, ragged-edged bracts. Nuts are similar in flavor to the European filbert, and may be roasted and eaten or ground into flour, Fall color is quite variable, ranging from attractive combinations of orange, rose, purplish red, yellow and green.

CORYLUS CORNUTA BAP.- 1 @ \$29.00
Native from British Columbia to Quebec south to Illinois and Georgia, beaked hazel is a small, suckering, deciduous shrub that grows 4-8' tall and as wide. It is typically found in rich thickets, woodland borders, along streams and in clearings. Female fruit is a hard edible nut (to 1/2" long) enclosed in a leafy, hairy, light green husk. It is believed to be the primary food plant of the exceedingly rare Early Hairstreak *Erora laeta*. Caterpillars feed on nuts, initially the husk in early instars and later boring inside. Most of the year is spent as pupae, probably in the leaf litter

COTINUS COGGYRIA 'PINK CHAMPAGNE' S. P. -1 @ \$19.00
An outstanding cultivar that Durr ranks with Daydream (this sets a high standard), new growth is bronzy purple maturing to green and in summer smothered in fabulous fluffy feathery floating flowers, fantastically pink pubescent from the pedicels and peduncle in the panicles.

COTINUS 'GRACE' G.- 1 @ \$24.00
A cross between *Cotinus coggygia* 'Velvet Cloak' and *Cotinus obovatus* made in 1978 by Peter Dummer of Hillier Nurseries. 'Grace' is a spectacular thing (named for Dummer's wife) with massive pink flower panicles 14" x 11" w. Leaves are 6" long emerging light red in spring and darkening to blue green in summer finally turning red orange and yellow in fall. Mature height will probably be 20'+, in terms of overall appearance it resembles *C. obovatus*; cuttings are a royal pain to root.

COTONEASTER APICULATUS 'TOM THUMB' G 1 @ \$24.00
One of the smallest of all Cotoneasters with very tiny leaves, this makes a beautiful bonsai, and is great in a trough or rock garden.

COTONEASTER BULLATUS S.P.- 1 @ \$24.00
We tucked this in the garden a few years ago and more or less forgot about it, this year it screamed for attention with clusters of large bright red fruits. The plant is upright and neat and has a fantastic fruit display. We highly recommend it.

COT. HORIZONTALIS 'VARIEGATA' S. P. -1 @ \$19.00
We were thrilled when we found this cool little variegated plant at Gee's. At last, we found something that Punnett didn't already grow. We were wrong of course but the neatly margined tiny leaves are still cool.

CYTISUS AUSTRALICUS S. P. -1 @ \$19.00
An eastern European species growing 2-4' tall bearing terminal clusters of showy yellow pea flowers.

CYTISUS PROCUMBENS S. P. -1 @ \$19.00
Native to Eastern Central Europe and the Balkans *procumbens* is as the name suggests a mat former with stems ascending to a foot or so. Flowers as one might expect are yellow peas; if you like yellow brooms you will love it.

CYTISUS 'ALLGOLD' S. P. -1 @ \$19.00
All blue would have been more exciting, but Dick loves yellow pea flowers, anything to keep him happy.

CYTISUS PRAECOX 'ALBUS' S. P. -1 @ \$19.00

CYTISUS PRAECOX 'PAULETTE' S. P. -1 @ \$19.00
Light red flowers with hints of yellow, Paulette is one of the best.

CYTISUS X KEWENSIS S. P. -1 @ \$19.00
Jim Jeryms from Scotland was out recently and we had some interesting discussions about Kew, which have nothing to do with this broom; I'm just easily distracted. More to the point *x kewensis* is a cross between *C. ardoinii* and *C. multiflorus*, only 12-18" high and spreading to 6 feet or more 1-3 creamy yellow flowers in the axils.

DAPHNE

Once again we have an extensive list of *Daphne* to offer, there are a few first time offerings this season and we have a number of exciting new plants that we plan to add to the catalog once we build up sufficient numbers. We treat plants and frames with a biological fungicide called Rootshield that uses a protective mycorrhiza. It seemed to work very well, one batch of Silveredge rooted in about 1/10th the normal time and we suspect this may have played a role. Probably our favorite genus of flowering shrubs, Punnett's too; you simply never can have too many *Daphne*. Always expensive because they are not always easy to propagate and tend to grow on poorly in pots. They only come into their own when dropped in the ground where they quickly form beautiful plants. Potted ones always seem to have a scraggly look. Many have phenomenal fragrance and are perfect for smaller gardens. Resist the temptation to purchase large plants as they resent disturbance and do not transplant well when they get large. There are many recipes for success but a sandy well-drained soil in full sun seems best. They dislike it too wet, ours grow well in pH 7-8 and Punnett grows them to perfection in the acid sand his *Rhodo's* thrive in. There has been an ongoing discussion on the net, which we have followed with some amusement, since they seem not cognizant as to why they die; here it is in a nutshell. They are very sensitive to *Phytophthora cinnamomea* and related fungi, control it and you will have no problems. *Phytophthora* likes high organic fertile soils and wet conditions, and grows better at certain pH levels and temperatures (Durr's advice to provide moist soils and mulch is the kiss of death, *Daphne's* like it dry.) Subdue is the primary fungicidal control but is no substitute for good culture. If you are a *Daphne* Phreak please join *Daphne Society*, you get an interesting video and a chance to meet others as crazy as yourself. Contact *Daphne society*, John Bieber, 185 8th St., Bethpage, NY. 11714 ph 516-681-4885. Don't forget to check out Robin Whites new book on *Daphne* from Timber Press, it is excellent however the hardness ratings make no sense in the US. Virtually all of the *daphne* listed below have withstood -20F with no snow cover and survived and most of the older cultivars have survived -29F. I would guess most of the newer ones would have lived as well, however, it wouldn't break my heart if it never gets that cold again.

DAPHNE CALCICOLA S. P. -1 @ \$24.00
A legendary yellow flowered plant from China see plate 142 in the AGS Encyclopedia. Our clone is upright and may actually be *Daphne aurantica*; however the names work out it is a legendary *Daphne* native to Yunan and on the tender side here. Plan on it as an alpine house plant in the north. I would say more but quantities are limited and far too many just after it already.

DAPHNE CAUCASICA VARIEGATED TRANSATLANTICA? S. P. -1 @ \$19.00
This is similar to Summer Ice and Beulah Cross and we are a bit uncertain as to whether it is a caucasica or a *x transatlantica*. Whatever the taxonomy it is a good variegated plant that tends to rebloom.

DAPHNE CNEORUM 'BENACO' S. P. -1 @ \$19.00
Peter Erskin's collection from northern Italy it is a fairly vigorous plant and very free blooming producing axillary as well as terminal flowers. I am not a huge fan of cneorum but *peters* selection is excellent. Peter visited us a few years back not only was he utterly charming he recognized most everything on the nursery without reading labels which is no small feat and hardly what one would expect from a captain in the Royal Navy.

DAPHNE CNEORUM VARIEGATA S. P. -1 @ \$19.00

A lovely thing, Carol Mackie in miniature, with neat gold emargined foliage and fragrant heads of pink flowers in abundance, cneorum is definitely Phytophthora sensitive so use care in watering.

DAPHNE JULIAE S. P. -1@ \$19.00
A fantastic Daphne, much like a microform of cneorum with a good rich pink color and smashing fragrance, in terms of culture it is much like Daphne striata, growable but unforgiving of mistakes.

DAPHNE SERICEA COMPACT FORM S. P. -1@ \$24.00
Closely related to collina, (Halda lumped collina into sericea but I doubt if anyone will take it seriously I agree with Robin that the two are distinct and the Turkish forms are quite different from the Cretan ones) the heads of sweetly scented lilac flowers, are produced in spring and it generally reblooms later in the summer. In the garden it will make neat rounded mounds 2-3' in height.

DAPHNE X BURKWOODII S. P. -1@ \$19.00
These are from a green reversion of 'Silveredge' the grex is cneorum x caucasica. Fragrant reblooming exceptionally hardy the burkwood crosses are amongst the best garden Daphne.

DAPHNE X BURKWOODII 'CAROL MACKIE' S. P. -1@ \$19.00
Inferior to 'Silveredge', we list it mostly for comparison purposes, (and for the landscapers who have to have it simply because some landscape architect, who wouldn't know a Daphne if it bit him, wrote Carol Mackie on a print) it's more prone to splitting under snow load, more disease prone (it dies without warning), and it roots poorly to boot.

DAPHNE X BURKWOODII 'G.K. ARGULES' S. P. -1@ \$19.00
Introduced by a Devon Nursery, its origins seem obscure; it is rather broad leaved for a burkwoodii with deep green gold edged leaves and pink flowers with a deeper pink perianth tube.

DAPHNE X BURKWOODII 'GOLD DUST' S. P. -1@ \$19.00
A chance mutation of 'Silveredge' that showed up in Punnett's garden the leaf is internally mottled with gold flecking, not all that impressive when viewed up close but form a distance it really stands out. 'Carol Mackie' and 'Silveredge' pale in its presence. Habit is compact growing at about 2/3 the rate of 'Silveredge', it almost looks sheared. As with all variegated plants reversions are possible however, it has been incredibly stable to date, by far the best burkwoodii we grow.

DAPHNE X BURKWOODII 'SILVEREDGE' S. P. -1@ \$19.00
If not the best known (Punnett scrounged this from somewhere in Canada although it apparently originated with Grootendorst in Holland in the 1950's) certainly the best performing of the variegated Burkwoodii clones, in fact its no contest. This is much more upright and taller in the garden, does not flop over and crack under snow load, cuttings root easier and it re-blooms even better than Carol Mackie with less of the tendency to die without warning, that Carol Mackie is so famous for. We grow them side-by-side in the garden and the verdict is overwhelming.

DAPHNE X HENDERSONII (BRICKEL 11660) small \$19.00 larger -1@ \$35.00
The grex is Daphne petraea x Daphne cneorum, plants occur naturally in the wild in the region around Lake Garda. The original plant being discovered in the wild by Henderson in 1930, this clone is in all likelihood the one Chris Brickel collected in 1981.

DAPHNE X HENDERSONII 'EARNST HAUSER' small \$19.00 larger-1@ \$35.00
A selected form of the above found in the Val di Bordo near Lake Garda by Harry Jans in 1991, buds are deep purplish red opening shell pink and later fading to near white.

DAPHNE X HENDERSONII 'KATH DRYDEN' S. P. -1@ \$19.00
Robin's 1997 cross of D. cneorum Velky Kosir and an early flowering petraea clone collected by Peter Erskin. He named the deepest colored seedling in honor of Kath who is a horticultural legend.

DAPHNE X KAZBALI (ROLLSDORFII) 'ARNOLD CIHLARZ' sm \$19.00 lrg-1@ \$35.00
A 1979 Fritz Kummert cross of petraea x collina, rather similar to 'Wilhelm Schacht' with deep reddish purple strongly fragrant flowers, this is the original cross that defines the grex.

DAPHNE X KAZBALI(ROLLSDORFII)'WILHELM SCHACHT'sm\$19.00 lrg-1@ \$35.00
The grex is collina x petraea with collina as the seed parent, according to Halda Kazbali has precedence over Rollsdorfii. 'Wilhelm Schacht' was raised by Fritz Kummert in 1979; it is very free flowering with fragrant pinkish purple flowers, an exciting small Daphne, surprisingly easy despite the petraea parentage.

DAPHNE X MANTENSIANA 'AUDREY VOCHINS' SM \$19.00 LRG-1@ \$35.00
A gold edged sport of Mantena, found in the Berkshire garden of Audrey Vochins in the late 1990's. It is vigorous and a good rebloomer. We are excited to offer it for the first time this season, as usual for new introductions (Kath Dryden, Rosebud, Meon, 'Benaco' etc) supplies are limited plants are small and prices are high.

DAPHNE X MANTENSIANA 'MANTEN' SM \$19.00 LRG-1@ \$35.00
The result of a 1941 cross by Jack Manten of Daphne x burkwoodii 'Somerset' and Daphne retusa. It is an evergreen plant with clusters of fragrant pink flowers reblooming three times throughout the season, indeed it is virtually everblooming here.

DAPHNE X MEDFORDENSIS 'LAWRENCE CROCKER' S. P. 19.00
One of the best small Daphne hybrids, Medfordensis (Susanna) 'Lawrence Crocker' is a vigorous cross between arbuscula and collina and taking after the former, from the garden of the legendary plantsman and Siskiyou nursery founder of the same name.

DAPHNE X NAPOLITANA 'MEON' SM \$19.00 LRG-1@ \$35.00
A 1988 Robin White cross between cneorum 'Eximia' and collina, this will eventually form a dome nearly a meter wide and 40cm high with abundant rose pink intensely fragrant flowers. It reblooms and has been an excellent grower. These came directly from Robin and we highly recommend it.

DAPHNE X NAPOLITANA 'STASEK' sm \$19.00 lrg-1@ \$35.00
A Romanian cultivar introduced by Harry Jans 'Stasek' is an outstanding variegated form, this has been a good grower so far showing little susceptibility to phytophthora and a reblooming habit, the plant at the corner of our patio always catches visitors eyes.

DAPHNE X ROSSETII S. P. -1@ \$24.00
A naturally occurring hybrid between Daphne laureola philippii and D. cneorum found in the wild in the Pyrenees by M. Rosset of Corveon Nursery in 1927. Later re-collected and described by Halda. An interesting plant with a reputation for being shy flowering; flowers are green tinged pink and honey scented, moreover the foliage is excellent even when out of flower.

DAPHNE X THAUMA 'REGINALD FARRER' S. P. -1@ \$19.00
A naturally occurring hybrid between D. Petraea and D. striata found in the Cima Tombea in Italy and originally introduced by Farrer almost a century ago. It is beautiful but finicky, often

refusing to flower well. Robin White reports it occasionally dropping all of its leaves without warning in late summer although it usually recovers from this, flowers are a soft light pink with deeper tubes in clusters of 5-8; when grown well in a trough it is incredible.

DAPHNE X TRANSATLANTICA 'SUMMER ICE' S. P. -1@ \$19.00
A variegated version of Jim's Pride fantastic looking exceptionally free flowering. It is confused in the nursery trade with other variegated caucasica forms, Daphnes in general seem very prone to throwing variegated shoots.

DAPHNE X WHITEORUM 'BEAUWORTH' S. P. -1@ \$19.00
Jasminex petraea grandiflora, foliage is darker green than 'Kilmeston' with sweetly scented pink flowers a bit larger than 'Kilmeston'. Robin white has introduced some fantastic plants and this is one of his finest efforts.

DAPHNE X WHITEORUM 'KILMESTON' S. P. -1@ \$24.00
Robin White's fantastic hybrid between D. Petraea grandiflora and D. jasminex (serious Daphne fanatics need read no further) with purple flushed foliage that resembles jasminex and deep pink flowers that are produced over a very long period. Despite its elite parentage it has proven an easy and vigorous plant both in troughs and in the open garden where it has wintered with no problem.

DAPHNIPHYLLUM MACROPODUM HC 970612 S. P. -1@ \$29.00
A strange Rhododendron like plant from Japan and Korea, it has leaves unlike any Daphne I have ever seen. Rhododendrophyllym might have been more descriptive, there is supposed to be a variegated form, which could be fantastic, but alas I've never seen it. Flowers aren't much but worth growing for the foliage and just to say you grow something in the Daphniphyllaceae, which contains 14 other even more obscure species.

DEINANTHE BIFIDA PINK EX KII PENINSULA JAPAN S. P. -1@ \$19.00
Kudos to Hinkley for making this available, it is vigorous and extremely free flowering, far exceeding any blue flowered form that I have ever grown. Essentially a Hydrangea that dies down to a woody crown each fall; this shade-loving gem deserves much broader garden exposure.

DEINANTHE (DEINANTHE CAERULEA) 'BLUE WONDER'PRICE 1@ \$19.00
An unusual and seldom-encountered Chinese woodland perennial. This forms a low, slow spreading mound of felty dark-green leaves, bearing clusters of lavender-blue blossoms in early summer. Petals are shaped like individual Hydrangea flowers, the blooms appearing early to midsummer. Best in rich, moist woodland soil and dappled shade, away from strong winds. Possibly hardy to Zone 4 or colder. Keep out of hot afternoon sun. Its flowering season is long, with new buds opening in succession. Each flower is between an inch and two inches across and faces outwards or nods slightly downwards. It is native to woodlands in China.

DEUTZIA GRACILIS BAP. -1@ \$35.00
Multitudes of white flowers on compact plants, Dicks are only 2', but literature says a bit more.

DEUTZIA GRACILIS 'CHARDONNAY PEARLS' S. P. -1@ \$19.00
Myriads of pure white pealy buds explode into fragrant stars above mounds of lime green foliage eye catching and unlike any other Deutzia we have seen.

DEUTZIA X 'KALMIIFLORA'G.- 1@ \$29.00
Introduced by Lemoine back in 1901, this cross between D. purpurea and D. parviflora it still ranks among the very best with a graceful arching habit and a fantastic floral display. The flowers are deep pink on the outside and light pink on the inside.

DEUTZIA SCABRA VARIEGATAbap. -1@ \$35.00
Punnett likes this better than 'Summer Snow' because the variegation doesn't fade, which is true but the thing still looks spider mite infested to me, to each his own.

DIERVILLA SESSILIFOLIA 'BUTTERFLY'S.P.- 1@ \$19.00
A selection by the great Dutch plantsman Pieter Zwinnenburg, (one of only a handful of people who can walk around the production houses at Aarwhead and recognize virtually everything without reading the labels) rich yellow flowers held in upright clusters above neat well branched foliage that does not flop. This is a great shrub for dry shady locations.

DIERVILLA SESSILIFOLIA COOL SPLASH VARIEGATEDS.P.- 1@ \$15.00
A stunningly variegated Diervilla from Peter Podaris's breeding program. This looks to be a great plant with a long future in cultivation. I will be curious to see what new plants pop up from Peter Now that he has change jobs. .

DIPelta SP. DJHC 98399 S. P. -1@ \$24.00
From Hinkley's 1996 Emei Shan collection in Sichuan at high elevations these should eventually reach 10' in height with somewhat felted leaves and fragrant Kolkwitzia-like pink flowers spotted with yellow and followed by attractive papery wafer like seeds.

DISCARIA SERRATIFOLIA HCM980 98G.- 1@ \$24.00
Hinkley's collection from the base of a volcano at 3740' associated with Nothofagus and climax Aurocaria forest; an evergreen member of the Rhamnaceae with narrow glossy foliage and paired spines at the nodes with fragrant white flowers on 4' plants, although the species can reach 5 meters.

ECHINOSOPHORA KOREENSIS S. P. -1@ \$15.00
Echinosophora koreensis, is an endangered small shrub belonging to a monotypic genus in central Korea that reproduces both sexually and vegetatively via rhizomes. It has showy clusters of yellow pea flowers. The extract of Echinosophora koreensis can be used for an anti -hangover agent because it can reduce alcohol density and acetaldehyde density in blood by promoting in vivo alcohol metabolism through improving activities of alcohol dehydrogenase (ADH) and acetaldehyde dehydrogenase (ALDH).

ELAEAGNUS PUNGENS MACULATA -1@ \$29.00
I find myself strangely drawn to this plant; I'm not sure whether it's the gold centered leathery leaves or the drifting gardenia fragrance, whatever I like it. Dirr on the other hand classes it something of an overdone weed, over planted in the south and climbing by means of hooked spines to 30'. It's nothing like that in the North, very well behaved and nearly spineless.

ELAEAGNUS PUNGENS 'HOSOBIA FUKURIN'G.- 1@ \$29.00
Neatly yellow edged leaves set this apart from the others, , how, like all the pungens clones it needs a protected spot to succeed here.

ERICA X DARLIENSIS 'GHOST HILLS' S. P. -1@ \$15.00

Thought to be a sport of *Erica x darliensis* 'Darley Dale', it blooms early sometimes starting in September and continuing through April.

ERICA ERIGENA 'GOLDEN LADY' S. P. -1@ \$15.00
Fairly dwarf as erigena cultivars go 'Golden Lady' is only 10-20"(W.T Ratcliff can reach 60"), it is a sport of 'W.T Ratcliff' with golden foliage.

ERICA ERIGENA 'W.T. RATCLIFF' S. P. -1@ \$15.00
Large pure white flowers, a great improvement over alba, it is generally under 24" in the garden but well grown specimens can reach 60", an unlikely event here in Michigan.

ESCOLLONIA PINK PRINCESS G.- 1@ \$24.00
A rather dwarf selection with pink flowers, it's a broad leafed evergreen from the Andes, and a bit tender in our exposed garden here, but handsome enough to make an attempt to please it.

EUONYMUS 'WOLONG GHOST' DJHC 691 S. P. -1@ \$15.00
Hinkley collected this in Panda country; its unique for a Euonymus with narrow dark green foliage veined a ghostly white. This has the potential to be one of his most commercially successful introductions, with great mass market potential, for now it still has snob appeal.

EUONYMUS FORTUNEI 'HARLEQUIN' G.- 1@ \$19.00
If you like your variegation white and splashy you'll love 'Harlequin', its a bold looking but somewhat unstable clone that has been heavily featured in the national press the last few years.

EUONYMUS FORTUNEI 'BLONDY' G.- 1@ \$19.00
Normally I couldn't get very excited about a Euonymus fortunei cultivar, however Blondy is something special. Discovered in the Netherlands as a sport of Sunspot, Blondy features brilliant yellow foliage neatly edged in dark green. Great year round color, its destined to become way over planted but at least initially it'll knock your socks off.

EUONYMUS JAPONICUS 'CHOLLIPO' S. P. -1@ \$19.00
This will get big 12' tall with a 6' spread, deep green leaves with a creamy margin and a fairly dense growth habit.

EUONYMUS JAPONICUS 'VARIEGATA NANA' S. P. -1@ \$19.00
A dwarf variegated selection, it was tagged Euonymus f. variegata nana in John's hieroglyphics but it appears to be a japonica. Nice white edges not as congested as the variegated 'Rykujo', but very dwarf.

EVODIA DANIELLII BAP. -1@ \$29.00
Very interesting lovely small tree good for small landscapes and too seldom seen. Excellent summer foliage, flowers white in broad flat umbels very showy, clusters of black fruit in autumn and fast growing, 25-30' under landscape conditions.

EXOCHORDA X MACRANTHA 'THE BRIDE' S. P. -1@ \$19.00
Clonal material, you see a lot of seed grown stuff offered under the name as cuttings are somewhat difficult to root and seed germinates easily. This is the true Lemoine plant named from the 1902 cross of E. korolkowii x E. racemosa. Plants are compact, 4-6' (both parents can reach 20') with extremely large pure white flowers in dense racemes. The true plant is still rarely encountered in gardens, despite being easy to grow and extremely showy.

FABIANA IMBRICATA 'VIOLECAEA' S. P. -1@ \$15.00
A strange little Andean solanaceous plant that masquerades as a Heather, stumping all but the best botanists. 'Violacaea' is also known as a 'Combers Variety', supposedly from Combers collections in Southern Chile many years ago and harder than the species. Upright branches of scaly silvery gray foliage and tubular lavender flowers, the species can reach 2 m in habitat but 'Violacaea' seems to be considerably shorter.

FALLUGIA PARADOXA G. -1@ \$29.00
Known as Apache Plume, this underused monotypic (not to be confused with monocarpic) Western American rosaceous shrub features inch wide white flowers from June until August followed by attractive clematis like feathery seed heads and an attractive exfoliating bark in winter. A great plant and besides we just love this one-of-a-kind stuff.

FORSYTHIA 'FORD FREEWAY' BAP.- \$24.00
A streaky variegated form discovered by a customer of ours Al Wojcik along the Ford Freeway in Detroit. (He also discovered a variegated form of Euphorbia polychroma that is flat out spectacular, but very reversion prone)

FORSYTHIA INTERMEDIA 'ARNOLD DWARF' BAP.- \$29.00
From a 1941 cross-made at the Arnold Arb between Forsythia x intermedia and Forsythia japonica v saxitilis this is a great cover for banks but does not flower well when young.

FORSYTHIA INTERMEDIA 'GOLDLEAF' S. P. -1@ \$15.00
Gold all season long not just a couple weeks in spring, the color stands out and the plants lack the sickly sprayed with herbicide look some yellow plants possess.

FORSYTHIA INTERMEDIA 'GOLD TIDE' BAP.- \$24.00
A mutation of 'Spring Glory' with attractive feathery textured foliage and a dwarf spreading habit this French import has great potential as a shrubby groundcover for mass plantings

FORSYTHIA INTERMEDIA 'MINIGOLD FIESTA' S. P. -1@ \$15.00
From Duncan and Davies in New Zealand, this flashy variegated variety ranks among the best. Heavily photographed with lots of hype if you don't already grow it or know it finding a picture shouldn't pose much of a problem.

FORSYTHIA INTERMEDIA 'TREMONTIA' S. P. -1@ \$15.00
A cut leaf clone, we have had this in the garden for years and I confess somewhat ignored it. However Jenkins saw it and had to have it, go figure, in any event we rooted a batch and once again have it for sale.

FORSYTHIA VIR. KOREANA 'KUMSON' S. P. -1@ \$15.00
A unique plant, the deep green leaves are netted with white veins, flowers are the typical yellow borne on arching stems. The Spring Meadow guys brought this back from Korea, not a bad trip, there were a few other goodies and they certainly had the red carpet treatment.

FORSYTHIA VIRIDISSIMA KOREANA 'SUWAN GOLD' S. P. -1@ \$24.00
Another great plant that Dale Deppe brought back from Korea, 'Suwan' is shade tolerant with excellent golden foliage and clear yellow flowers; bud hardness is excellent.

GENISTA DALMATICA S. P. -1@ \$15.00
A small spiny subshrub, now lumped by some into sylvestris these are distinct from the plants we grow as sylvestris pungens.

GENISTA PILOSA 'VANCOUVER GOLD' S. P. -1@ \$15.00
An excellent compact growing clone seldom exceeding a foot in height (the species can reach 4') but with much wider spread with yellow flowers in great abundance. This is a great landscape plant for dry sandy sites.

GYMNOCLADUS DIOICA BAP.- 1@ \$29.00

Kentucky coffeetree or coffeetree is a tall deciduous tree with rough, scaly gray-brown bark and large bipinnate compound leaves. It grows 60-80' (less frequently to 100') tall with an irregular open oval to obovate crown. bluff bases and along streams (Steyermark). Large leaves to 3' long. As the specific epithet suggests, the species is dioecious (separate male and female trees). Native Americans and early American settlers, especially those in the Kentucky territory, roasted and ground the seeds to brew a coffee-like beverage (albeit no caffeine), hence the common name. Native Americans roasted the seeds for food. Seeds are very toxic prior to roasting, and should never be eaten fresh off the tree.

HAMAMELIS VERNALIS BAP.- 1@ \$29.00
A deciduous, winter-blooming, shrub with a rounded habit which typically grows 6-10' tall with a somewhat larger spread. Noted for its extremely early (January to February-March) and lengthy (to 4 weeks) bloom period. Fragrant, globular flower clusters (to 3/4" wide) have variable coloration, but flowers most frequently have yellow petals and reddish inner calyxes. Extract obtained from the leaves, bark and stems was formerly used medicinally by native Americans. It is easily grown in average, medium, well-drained soil in full sun to part shade. Best flowering in full sun. Prefers moist, acidic, organically rich soils. Tolerates heavy clay soils. Prune in spring after flowering to control shape and size.

HEBE 'BABY MARIE' S. P. -1@ \$15.00
Also known as Hebe buxifolia 'Nana', a compact bush with lilac flowers, it is possibly a hybrid with Hebe odora, named for Marie Turnbull a New Zealand botanical artist.

HEBE BUXIFOLIA 'PATTY'S PURPLE' S. P. -1@ \$15.00
Neat looking little bushes, very free flowering with many short spikes of deep purple Veronica-like flowers, it is not hardy here.

HEBE BUXIFOLIA 'VARIEGATA' S. P. -1@ \$15.00
Nice variegated foliage good-sized clusters of flowers on medium sized plants, not a hope of wintering outside here.

HEBE CUPRESSOIDES 'BOUGHTON DOME' S. P. -1@ \$15.00
A neat grey leaved shrublet growing 18" high and nearly twice as wide found in Scotland in 1970 by Valerie Finnis primarily for its excellent foliage it rarely if ever flowers.

HEBE 'EMERALD GREEN' S. P. -1@ \$15.00
A tight dome of minute imbricated foliage this is almost certainly a hybrid with one of the whipcoards. It apparently does not flower but the foliage is wonderful in a trough.

HEBE 'HARDY IN TORONTO' S. P. -1@ \$15.00
A compact growing plant with neatly ranked glaucous grayish green leaves, that has proven hardy in Marion Jarvie's Toronto garden, an exceptional feat for a Hebe.

HEBE HINDERUA S. P. -1@ \$15.00
A naturally occurring hybrid found by Graham Hutchens in 1985 on the Hinerua Ridge in the Ruahine Range on North Island. The parents are suspected to be H. odora and H. submillis. Flowers are white in clusters on the branch tips in late summer.

HEBE PARVIFLORA ANGUSTIFOLIA S. P. -1@ \$15.00
A native of South Island this is surprisingly hardy, forming a medium sized shrub with neatly ranked foliage and terminal spikes of white to pale lavender flowers in summer

HEBE PINGUIFOLIA S. P. -1@ \$15.00
Hebe pinguifolia is a low growing evergreen plant that needs little or no pruning. It has purple stems with blue-green, leathery leaves and from late spring to early summer the shrub is covered in a profusion of white flowers. Although all hebes can tolerate shade, they flower best in full sun.

HEBE RECURVA S. P. -1@ \$15.00
Grayish curled foliage, bushy to 3'; its one of the hardest of the larger species.

HEBE SALICIFOLIA S. P. -1@ \$15.00
Native to both Chile and New Zealand, with narrow willow leaves on shrubs that can reach 5m; topped by numerous 20cm conical racemes of lavender tinged white flowers.

HEBE YOUNGII CARL TESCHNER JOY CREEK CLONE S. P. -1@ \$15.00
Primuloides x elliptica; the hardest Hebe we grow, actually we have more than one clone under this name but all are quite hardy low mat forming plants with violet purple flowers. It has wintered with no protection here.

HEIMIA MYRTIFOLIA S. P. -1@ \$19.00
A tender South American subshrub related to Lythrum (the closely related Heimia salicifolia ranges north to Texas) with spikes of showy yellow flowers. It is a dieback shrub at Kew.

HELWINGIA JAPONICA (CHINENSIS BROADLEAF) G.- 1@ \$29.00
Rates an 11 on the weird meter, a coriaceous shrub in which the flowers are born from the center of the leaves, actually they're not, it just looks that way but that's another story. More of a curiosity than an outstanding ornamental plant, it's great for playing stump the botanist. They'll never even guess the family. If worst comes to worst you can always eat it, they do in Japan, (it'll never replace lettuce).

HEPTOCODIUM MICONOIDES G.- 1@ \$24.00
A cool new plant introduced from China in 1980, although Wilson found it back in 1907. Ornamental peeling Crepe Myrtle-like bark, fragrant white flowers in late summer in six flowered whorls terminated by a single flower (hence Heptocodium). Followed by showy cherry red calyxes surrounding the fruits, giving the impression of still being in flower in autumn when the leaves turn purple. We observed several large specimens trained as tree forms in Dale Deppe's garden this fall and were blown away by the bark. Despite what Dirr says it seems to thrive in full sun, and struggles in the shade at least in the North.

HIBISCUS MUTABILIS X SYRISCUS 'TOSCA' G.- 1@ \$24.00
An interesting wide hybrid from Jim Snyder, orchid flowers with a darker eye that are considerably larger than Rose of Sharon; 'Tosca' shows considerable hybrid vigor and can easily reach 10' in height.

HIBISCUS SYRISCUS PURPUREA VARIEGATA S.P.- 1@ \$19.00
We saw a small plant in Hammer's garden and have since been begging every shoot he can spare for cuttings, on the premise that we are helping prevent it's touching nearby plants. Jim has a thing about that. A traffic stopper, the bold variegation is perhaps the best of any shrub I know. Flowers are strange double purplish things that never fully open, giving a sort of carnation bud effect.

HIBISCUS 'CRANBERRY CRUSH' \$19.00
An outstanding new Hibiscus courtesy of Walters Gardens. Walters has one of the best plant breeding teams on the planet, especially after the recent addition of Hans Hanson formerly of Shady Oaks, Clarence, Kevin and Hans should make quite a team. Cranberry Crush is fantastic, Compact 2-3' clumps of deep green leaves with purple overtones, this flowers for

months forming near black buds at every node. These open to display a continuous succession of 7-8" deep scarlet fully rounded flowers...

HIBISCUS 'JAZZBERRY JAM'PRICE - \$19.00
Walters evaluated thousands of Hibiscus seedlings (we donated a few plants to this effort), and from these many seedlings they selected this large pinkish magenta plant with a red eye and 9" heavily ruffled round flowers and overlapping petals. A stunning landscape specimen this grows 4-5' in a single season. If you live in areas that have Hibiscus Sawfly a single spray will usually control them. If you don't want to spray plants will look a bit moth-eaten until they grow new leaves but will survive unharmed. My impression is this and some of the other new cultivars are less bothered by pests than some of the older varieties, I never spray ours in the landscape and they still manage an impressive floral display.

HIBISCUS 'SUMMER STORM'PRICE - \$19.00
Yet another excellent selection from Walters, a compact clone with deep wine purple foliage and huge 10" rose pink flowers bloodshot veined with deeper pink radiating from a deep magenta eye. This is one of the longest blooming cultivars and extremely floriferous.

HIBISCUS LAEVISPRICE - \$12.00
also known as Hibiscus militaris this smooth stemmed plant is quite distinctive (laevis means smooth), it is an important parent of the modern hybrids.

HIBISCUS SEEDED FROM NAMED FORMS S. P. -1@ \$15.00
Seedlings from various dieback types expect huge flowers, bee crossed in assorted colors.

HOVENIA DULCISPRICE - \$19.00
The Japanese Raisin Tree occurs from Japan, over Eastern China and Korea to the Himalayas (up to altitudes of 2,000 m), growing preferably in a sunny position on moist sandy or loamy soils. The trees bear clusters of small cream-coloured hermaphroditic flowers in July. The drupes appear at the ends of edible fleshy fruit stalks, which is a type of accessory fruit. The sweet and fragrant fruit is edible raw or cooked. Dried, they look and taste like raisins. An extract of the seeds, and young leaves can be used as a substitute for honey.

HYDRANGEA

A genus we are particularly fond of Hydrangeas are perfect for a wide range of garden sites. Depending on the species they will tolerate anything from full sun to rather deep shade. Besides, the shrubby species listed below we also offer a number of interesting vining types and several related species. For those wanting to delve more deeply into the genus I highly recommend Dirr's, Hydrangeas for American Gardens, and not just because he gives us a nice bit of free publicity. The book is excellent and if you need more photos, there is a CD available with 900 images.

HYDRANGEA ARBORESCENS 'ANNABELLE' G - 1@ \$19.00
Featuring big heads of sterile white florets that are great for drying. This old favorite is very popular here at the nursery so much so that we did not have enough left over to list the last few years. We hope to have a couple of wonderful new arborescens clones to offer in the next few years thanks to the generosity of E.B. Jenkins.

HYDRANGEA LUTEOVENOSA G. -1@ \$24.00
Hinkley's introduction from Japan, Krussman considers this conspecific with H. scandens ssp liukiensis which he calls zone 8 (Hinkley calls luteovenosa zone 5) personally I'd guess 7 Scandent stems to 5' with small white lace cap flowers, and rare in cultivation.

HYDRANGEA MACROPHYLLA 'CAERULEA'BAP.- 1@ \$35.00
This has been kicking around the nursery since the mid 90's and we have not offered it in a while, however we took another look at it this summer and decided it was worthy of propagation.

HYDRANGEA MACROPHYLLA 'DOMOTOI'BAP.- 1@ \$35.00
Semi-double, pink to blue in rounded heads, depending on soil, grows about 3' tall.

HYDRANGEA MACROPHYLLA 'DOOLEY'BAP.- 1@ \$35.00
Dirr collected this in Coach Vince Dooley's back yard (cheaper than a trip to China?); its a frost resistant variety with little or no tip dieback and robust clusters of blue or pink flowers depending on soil pH. We suspect its been previously circulated under a different cultivar name but if Dirr couldn't put a name to it, we won't even attempt to.

HYDRANGEA MACROPHYLLA 'HARLEQUIN'BAP.- 1@ \$35.00
A somewhat confusing name, the plant we grow under this name is a white edged form that we acquired from Mitch years ago. There is also apparently a picotee petaled thing that is also called 'Harlequin'.

HYDRANGEA MACROPHYLLA 'LEMON WAVE'BAP.- 1@ \$35.00
Marked with huge splashes of white and bright yellow this is utterly lacking in subtlety (it is also damned unstable) nevertheless 'Lemon Wave' will rival any variegated plant for stop you dead in your tracks impact.

HYDRANGEA MACROPHYLLA 'PINK BEAUTY'BAP.- 1@ \$35.00
An outstanding Hortensia; it has almost fluorescent pink flowers; 4-5' tall.

HYDRANGEA MACROPHYLLA 'SUN GODDESS'BAP.- 1@ \$35.00
This yellow leaved plant circulates under a number of different names including 'Lemon Zest', 'Ogonba', 'Yellow Leaf' and possibly others. Blue with enough aluminum, it is not particularly free blooming and definitely on the tender side here, but the foliage does stand out in the garden.

HYDRANGEA MACROPHYLLA NORMALIS BLAUMIESEBAP.- 1@ \$24.00
Blue Tit, British bird or frozen boobs its up to you, an indigo lacecap that is a classic.

HYDRANGEA MACROPHYLLA NORMALIS 'MARIESI'BAP.- 1@ \$35.00
Excellent lacecap, usually pink, blue only in very acid soils, grows 4-5' tall.

HYDRANGEA MACROPHYLLA SERRATA 'BENI GAKU'BAP.- 1@ \$35.00
Reddish pink lace-cap flowers, the serrata forms are among the hardiest of the macrophylla types and are excellent garden performers here.

HYDRANGEA MACROPHYLLA SERRATA 'BLUE BIRD'BAP.- 1@ \$35.00
Another outstanding cultivar, the blue lacecap flowers really stand out in a wooded setting.

HYDRANGEA MACROPHYLLA SERRATA 'JOGASAKI'BAP.- 1@ \$35.00
Named for a town in the Izu Peninsula of Japan, 'Jogasaki' features flat heads of fertile florets surrounded by a floating ring of silvery pink fully double Waterlily flowers.

HYDRANGEA MAC. SERRATA 'MIDORIBOSHI-TEMARI' G - 1@ \$24.00
A prolific blooming pink lacecap with a ring of double florets that are held away from the center on particularly long pedicels. Like the double Hepaticas, these have cult like status in Japan.

HYDRANGEA MACROPHYLLA SERRATA 'MIRANDA'BAP.- 1@ \$29.00
The other woman, this one is less inclined to wrap herself around you and squeeze, never insinuating her tendrils under your skin, no gold picotee, not that she's unattractive she's really

quite lovely in an un-anomalous fertile lacy sort of way; radiating pink or blue depending on the mood, her petite domes are ringed with large outer florets.

HYDRANGEA MACROPHYLLA SERRATA 'PIA' G - 1@ \$29.00
Very dwarf, the smallest Hydrangea we grow, only 1-2' tall, pink flowers in round heads we even have a heavily pruned one in a trough (I can see the purists cringing).

HYDRANGEA MACROPHYLLA SERRATA 'SHINONOMEI' BAP - 1@ \$35.00
One of Heronswood's new Japanese introductions with double sterile florets, pink to blue depending on pH. Dan thinks highly of it, as do we, more hype to come when we have built larger stocks.

HYDRANGEA MACROPHYLLA SERRATA 'TIARA' BAP - 1@ \$35.00
Raised by Maurice foster of Kent in 1990 with blue to pink lacecap flowers and a distinctive reddish purple foliage that becomes more prominent in autumn.

HYDRANGEA MACROPHYLLA SERRATA 'YAE-NO-AMACHA' BAP - 1@ \$35.00
Many layers sweet tea, well, the name will never beat dark nipples in a popularity contest but the plant is fantastic and you actually can make sweet tea out of the leaves. The 10 amacha cultivars apparently lack the toxin hydrangin a cyanogenic glycoside, hence the yae. Maybe it's best just to pour it on Buddha's statue on April 8. , 'Yae-no-Amacha' is a lacecap with double pink sterile florets ringing the small heads of fertile flowers. Yet another of the fantastic Hydrangeas that have become available through Dan's efforts, I doubt Heronswood still lists it.

HYDRANGEA PANICULATA 'THE SWAN' G - 1@ \$29.00
Another fantastic introduction courtesy of Spring Meadow, 'The Swan' has by far the largest individual florets (photo's of a single flower the size of the palm of your hand will definitely get your attention) of any Hydrangea we have ever seen. Picture a Hydrangea crossed to Davidia and you get the general idea.

HYDRANGEA SEEMANII G - 1@ \$29.00
A great stump the botanist plant, almost no one will guess Hydrangea (actually it is in section Cornidia). The glossy thick textured leaves look more like an evergreen Magnolia than a Hydrangea; this is supposed to climb by self-clinging stems but to date ours have remained upright and shrub like with no hint of adventitious rootlets. Flowers are white in flat clusters, and only produced on older plants; it can also be used as an evergreen ground cover in warmer areas. Hinkley optimistically calls it zone 7, colder areas grow it in a tub and winter it frost free, I can believe it would do well as a house plant, its weird enough to make it worth the hassle of hauling around.

HYPERICUM BALEARICUM S. P. -1@ \$19.00
An evergreen shrub from the Balearic Islands that can reach 2m in the wild but is seldom half that in gardens, tiny 1cm leathery leaves and large yellow flowers to 4cm wide.

HYPERICUM ERECTUM S. P. -1@ \$12.00
Widely used in Japan and China as a medicinal it is being actively investigated as a source of novel drugs. It is also quite showy.

HYPERICUM FRONDOSUM 'SUNBURST' S. P. -1@ \$19.00
A Dick Lighty Mt. Cuba selection, with bluish semi-evergreen leaves and a long succession of yellow powderpuff flowers that age to an unusual orange shade; it is a drought tolerant shrub eventually reaching 3'. I love this one, and for the most part, I find Hypericum not worth a second glance.

HYPERICUM KALMIANUM SP - 1@ \$19.00
Originally from Tony, it is native around the Great Lakes, Dick considers it rather choice.

HYPERICUM MOSERANUM TRICOLOR G. -1@ \$19.00
We seem to be acquiring a lot of variegated stuff lately, but this stands out as one of the best, rates a 10 on the eye-catching scale.

HYPERICUM PSEUDOHENRYI G. -1@ \$19.00
A Chinese species related to forrestii, presumably it looks a bit like henryi. It magically appeared on our inventory and I have no idea where it came from. One of Dick's little jokes perhaps.

ILEX HYBRID 'AUTUMN GLOW' S. P. -1@ \$19.00
I. verticillata x I. serrata; more erect than 'Harvest Red', 20 year old plants was 10' x 12', red fruits persist into winter.

ILEX CRENATA 'SKY PENCIL' S. P. -1@ \$12.00
Not as cool as cloud writing with high intensity lasers, its still not bad for a plant, an extremely narrow columnar form, an 8' specimen is only 4-5" wide; this is the same as the Canadian Sky Sentry, and was introduced by the National Arb in 1985.

ILEX HYBRID 'HARVEST RED' S. P. -1@ \$24.00
The same cross as 'Autumn Glow' with larger, slightly darker red fruits, 18 year old plant was 9' x 16'.

ILEX HYBRID 'SPARKLEBERRY' S. P. -1@ \$19.00
An outstanding plant introduced by the National Arboretum with 3/8" brilliant red fruits that can persist until March; it is distinctly upright and can reach 15' at maturity. The verticillata x serrata crosses can usually be distinguished from pure verticillata by the plum purple new growth.

ILEX VOMITORIA 'STOKES DWARF' S. P. -1@ \$19.00
The sight of this won't make you puke unless of course you really hate dwarf Hollies. It is really a neat little plant, apparently much harder than the species that has survived for many years in Punnett's garden (it was buried for a time by other plants), eventually growing 18" tall by 3' wide.

ILEX VERTICILLATA 'SOUTHERN GENTLEMAN' S. P. -1@ \$19.00
What kind of a gentleman is this, boinking both of the winter sisters? That whole red and gold ménage a two with 'Sparkleberry' is just to strange and the Neil Young bullwhip Cacapon (isn't that some kind of a castrated chicken) thing is just altogether too weird.

ILEX VERTICILLATA 'SUNSPASH' G. -1@ \$24.00
A female clone with respectable berry set and splashy golden variegation. I suspect this could throw some excellent edged forms eventually.

ILEX VERTICILLATA 'WINTER GOLD' S. P. -1@ \$19.00
A branch sport of winter red fruit is yellowish tinged with pinkish orange, a good grower and free fruiting (I wrote this last year and am just too lazy to rewrite it in keeping with the sex among the Ilex theme).

INDIGOFERA HETERANTHA G. - 1@ \$24.00
Mojmir's collections from 2300 m in the Kulu Valley in India, showy racemes of bright purple flowers in 1-2m tall shrubs. It has proven hardy at the Arnold Arb and Dirr gives it rave reviews, despite the fact or perhaps because most who see it have no earthly idea what it is.

ITEA VIRGINICA 'SARAH EVE' G. - 1@ \$19.00
It's main claim to fame are the pink sepals and pedicels, however the petals are white. Fall color is not outstanding nor is the hardiness, of interest primarily to breeders seeking a pink flowered Itea.

JASMINUM BEESIANUMBAP.- 1@ \$24.00
A deciduous climbing vine from Western China with small clusters of fragrant pinkish red flowers followed by black berrylike fruits; its pretty and besides I like things beesianum.

JASMINUM FRUTICANS HARDY S. P. -1@ \$19.00
This is a hardy form from Toni Reznecek, terminal cymes of up to 5 yellow flowers; fruticans is native to Asia Minor and Southern Europe,

JASMINUM NUDIFLORUM S. P. -1@ \$19.00
Winter blooming vine, it's mostly hardy here, very fragrant yellow flowers on bare stems.

JASMINUM NUDIFLORUM 'MYSTIQUE' VARIEGATED SP.- 1@ \$19.00
Lovely delicate plant, the tiny leaves are neatly emargined in white the only thing this winter flowering gem lacks is a strong scent. It should be hardy here in protected sites.

JASMINUM PARKERI S. P. -1@ \$19.00
Evergreen shrub 6" high with an 18" spread, tangled mass of fine greenish stems, tubular yellow flowers are generally produced in June this needs a protected site to survive.

KALOPANAX PICTUS (SEPTEMLLOBUS) S. P. -1@ \$15.00
An excellent large tropical looking shade tree, hardy to zone 4 and reaching up to 90' in height. Flowers are typical of many members of the Araliaceae, white in small clusters grouped to form 2' terminal panicles which are displayed well above the foliage, and are loved by bees. Fruits are a small black drupe which the birds quickly devour. The leaves are huge and Castor Bean-like hence the common name Castor Aralia, the forms with more notched leaves are often referred to as septemploba, the genus is monotypic which automatically raises it several notches on the desirability scale. Does anyone know of a variegated form?

KARWINSKIA SP. S. P. - 1@ \$15.00
A really cute alpine laurel (Rhamnaceae) from Alan Bradshaw, compact leathery foliage and large red flowers followed by clusters of purplish black berries, these are extremely cute and should make a great small shrub for a trough when young although they will eventually outgrow it and need to. These were collected at 7000' so they should be reasonably hardy.

KERRIA JAPONICA VARIEGATA PROSTRATE FORM S. P. -1@ \$19.00
Floppy picta, floppy disk, I was going somewhere with this but the thought has left me. Use your imagination if you come up with something creative I'll put it in next years catalog.

KERRIA JAPONICA FLORA PLENA S. P. - 1@ \$15.00
Double pom-pom flowers in great abundance and produced over an extended season this is an incredibly vigorous clone that benefits from a bit of pruning, left unpruned it will rapidly grow to 8' or more, despite it's somewhat gangly nature this is the showiest of the clones we grow.

KOELREUTERIA PANICULATA FASTIGIATA S. P. - 1@ \$15.00
An upright form of Golden rain tree, perfect in small gardens that can't accommodate the normal wide spreading form

KOELREUTERIA PANICULATA S. P. - 1@ \$15.00
Golden Rain Tree is a medium sized flowering tree in the Sapindaceae Native to china and Korea. Noted for its large panicles of bright yellow flowers followed by inflated seed pods.

LABURNUM ALPINUM S. P. - 1@ \$15.00
Scotch laburnum is the most cold hardy species with 10-15 inch pendant clusters of yellow flowers. Try twining a wisteria up the trunk for the weeping U of M effect

LABURNUM ANAGYROIDES S. P. - 1@ \$15.00
Native to the mountains of southern Europe anagyroides has yellow pea-flowers in pendulous racemes 10-30 cm (4-12 in) long in spring, which makes them very popular garden trees. In L. anagyroides the racemes are 10-20 cm (4-8 in) long, with densely packed flowers.

LEPTODERMIS OBLONGA BAP.- 1@ \$24.00
A Daphne by another name, outstanding small shrub, with long tubed, pink flowers produced for months, one of our stock plants in the greenhouse was in bloom for over 10 months continuously. Hardy outside, it makes a low shrub that suckers moderately. Yet another of the seemingly endless supply of wonders that Punnett keeps showing up with, much talked about here. Even Peter Erskine had never seen it. This form appears to be a dwarf clone, I was promised a cutting of the tall form that is described in the literature but it has yet to materialize.

LIGUSTRUM JAPONICUM CORIACEUM S. P. -1@ \$15.00
Attractive crinkled thick dark green foliage; described as a living sculpture 4-6'.

LIGUSTRUM SINENSIS 'VARIEGATUM' BAP.- 1@ \$35.00
I'm not a big fan of Privet (I grew them to feed my saturnid moths) but Hinkley spoke highly of this and he's right the variegation is outstanding and sinensis is noted for its abundantly produced fragrant flowers.

LIRIODENDRON TULIPIFERA G.- 1@ \$35.00
A nearly monotypic genus related to Magnolia, Tulip Trees are ancient with one species in the U.S. and one in China, these can approach 200' in height with an immense girth. It is one of our most spectacular native trees. The flowers are lovely but so high on mature trees that they are often overlooked. We like it as a food plant for tulip tree silk moths and Promethia as well as Tiger Swallowtail.

LONICERA CRASSIFOLIA SEH085..... S. P. -1@ \$19.00
Steve Hootman from the Rhododendron Species Foundation collected this in China; it forms a dense prostrate evergreen mat of tiny round dark green fleshy leaves which is smothered in masses of white flowers that age golden and are followed by blue berries. Its very different from any other Lonicera we have seen and has a high cute quotient.

LONICERA FRAGRANTISSIMA S. P. -1@ \$19.00
Winter Honeysuckle from Northern China, extremely fragrant lemon scented flowers, one of the first shrubs to bloom. From Hammer, who always likes to extend the gardening season, - considered one of the most fragrant woody shrubs.

LONICERA HENRYI DJHC 070 S. P. -1@ \$19.00
A scandent evergreen or semi-evergreen shrub from China, with glossy oblong leaves and maroon/yellow bilabiate flowers followed by black fruits. This really stood out at Spring Meadow, after walking for hours through greenhouse after greenhouse it takes something cool to break the plant zombie trance. Lonicera henryi zapped us from a distance.

LONICERA HETEROTRICA S. P. -1@ \$19.00
A rare species (its listed in the Tajikistan red data book of rare and endangered plants) these are surely not in western cultivation we grew these from Jurasek's wild collected seed I can't tell you much. Hell I can't even come up with a good hairy hetero joke.

LONICERA NITIDA 'LEMON BEAUTY' S. P. -1@ \$19.00
Nitida is a somewhat tender plant often confused with Lonicera pileata, the boxwood like leaves of 'Lemon Beauty' are neatly edged in yellow, this may be the prettiest of the various nitida clones we have grown over the years.

LONICERA NITIDA 'TWIGGY' S. P. -1@ \$19.00
Bears little resemblance to the skinny flat chested model, which is fine by me.

LONICERA PILEATA 'SILVER BEAUTY' VARIEGATED S. P. -1@ \$19.00
Absolutely the coolest honeysuckle, tiny little leaves each perfectly edged in silvery white, this year plants will be small. Dick has been cutting it to the bone because everyone who has seen it begs.

LONICERA STANDISHIIG.- 1@ \$19.00
A fragrant winter blooming Chinese species that has been in cultivation since 1845 but still remains rare. It will hybridize with Lonicera fragrantissima. Although considered semi evergreen it is generally deciduous here; these are courtesy of Langhammer who collects plants that bloom at odd seasons.

LONICERA STENANTHA S. P. -1@ \$19.00
Jurasek collected this medium sized fine textured species from a scree in the Tien Shan at 2200m. It will eventually grow 80-150cm tall with creamy flowers followed by large blue-black berries. Stenantha is apparently new to cultivation and should prove a good garden specimen.

MORE LONICERA IN THE VINE SECTION

LOROPETALUM CHINENSE S. P. -1@ \$19.00
A Chinese Witch Hazel relative fragrant flowers usually creamy white but can range to pink shades ours are from seed and may produce anything but the ones that flowered last year were mostly cream. Hardiness varies all over the place depending on whom you read; the exfoliating bark on mature specimens is most attractive.

MAACKIA AMURENSIS S. P. -1@ \$19.00
Native to Manchuria this small ornamental tree is related to cladastris foliage is clean, and being a pea it fixes it's own nitrogen but it still is rather slow growing eventually reaching 45' and wider than tall. The late summer flowers are creamy and fragrant in erect clusters.

MAESA JAPONICAG.- 1@ \$24.00
An obscure thing that Punnett got as a cutting from Mike Lehman years ago, it is on the tender side and has set flower buds for the first time this fall. The foliage is attractive enough on its own and who knows maybe it will turn out to be showy, if anyone has a photo let me know.

MAGNOLIA KOBUS V STELLATA 'EDWARD A. KEHR'G.- 1@ \$29.00
A chromosome doubled version of the outstanding tetraploid Magnolia kobus v. stellata 'Two stones' fast growing and large leaved for a stellata to the best of our knowledge this is the only octoploid Magnolia in cultivation every serious Magnolia collector will want it in his garden.

MAGNOLIA KOBUS VAR STELLATA 'KIKUZAKI'G \$29.00
A small shrubby plant that blooms profusely from an early age, 'Kikuzaki' has 2" light pink flowers with 20-30 tepals. Its one of the first Magnolias to bloom and a favorite here.

MAGNOLIA LILIFLORA 'NIGRA'G.- 1@ \$29.00
Probably the hardiest cultivar of this long cultivated species, nigra dates back to Vietch in 1861. Flowers are very dark on small trees to 15', while a bit tender flowers are produced rather late and often miss the hard frosts. With careful placement, it's growable here although not as hardy as the soulangiana (liliiflora x denudata) hybrids.

MAGNOLIA LILIFLORA G.-1@ \$29.00
Probably a seedling from nigra.

MAGNOLIA SIEBOLDII X MACROPHYLLAG.- 1@ \$35.00
An unlikely cross, not surprisingly it is intermediate in leaf size. There is a photo up on the website, flowers are like a huge sieboldii. This cross would be worth repeating with one of the huge flowered clones of macrophylla and a good red stamened sieboldii.

MAGNOLIA TRIPETALA S. P. -1@ \$24.00
Exotic and tropical looking with leaves that rival macrophylla, flowers are white and up to 10" across followed by ornamental seed heads on trees to 50'; despite the name tripetala has six or more tepals, the name refers the three outer reflexed ones); seedlings from the spectacular specimen in Punnett's garden.

MAGNOLIA VIRGINIANAG.- 1@ \$29.00
Cuttings from our deciduous clone of virginiana in the front garden, a nice early blooming form that has never taken any damage despite its somewhat exposed placement. Scent is hard to define but I am particularly fond of our clone's strong lemony fragrance, which carries well in the garden.

MAGNOLIA X BETTYG.- 1@ \$29.00
Another from the girl series, flowers deep purple red outside, white inside; plants are rather large reaching 10-15'.

MAGNOLIA X 'GALAXY'G.- 1@ \$29.00
Upright, almost columnar in habit, this would make it a natural for Elkins, or anyone else with a crowded city lot, it flowers young and produces great quantities of 8-9" rich reddish purple flowers.

MAGNOLIA X 'GOLD STAR'G.- 1@ \$35.00
The late Phil Savage (Phil died from West Nile complications) crossed Magnolia acuminata 'Miss honeybee x magnolia stellata 'Rubra' to produced this wonderful plant. Its fast growing, as much as 2' per year, with the habit of an open growing stellata. The 4" yellow star like flowers appear before the leaves, which unfurl bronze red, and change to green as they mature.

MAGNOLIA X 'SUE' (ARROWHEAD)G.- 1@ \$29.00
This came to us as Sue but is clearly different from the old plant Punnett grows as Sue; our plant is shrubby (a few years back the rabbits grazed it to the snow line and we let it grow back from the lower tier of branches, but it was shrubby even before the bunnies molested it.) Our 'Sue' never has a hint of mildew (unlike Susan as Durr describes it) and produces its deep pink flowers continuously from spring until frost. Its now late November and I think there are still a few flowers hanging on, it is never out of bloom and attracts considerable attention. I could believe the parentage of stellata rosea x liliiflora nigra; perhaps this is a point mutation out of Susan?

MAGNOLIA X KEWENSIS 'WADA'S MEMORY'G.- 1@ \$29.00
Kewensis is the grex for the cross kobus x salicifolia, Wada has been around since 1959 and is a classic, precocious flowering with 7" white flowers and new leaves that emerge red and gradually change to green. This will eventually become a large tree.

MAHOBERBERIS NEUBERTIIG.- 1@ \$35.00
A weird bigeneric cross between Mahonia aquifolium and Berberis vulgaris produced in France in 1854. Durr was a trifle too hard on it, if find myself strangely drawn to the open spiny leaved

silhouette. Ours have never flowered but the semi evergreen what the hell is that foliage qualifies it for garden space.

MARGYRICARPUS PINNATUS HCM 98192 S. P. -1@ \$19.00
Hinkley collected this from the dunes on Chiloe Is., Chile. It makes a cute little twiggy ground cover with attractive white berries. Unlike so much of the South American temperate flora, this has proven easy and not disease prone.

MORUS ALBA 'ITSOGUMA' G.- 1@ \$19.00
AKA Morus alba 'Nuclear Blast'. Actually this came to us as 'Itsoguma' but seems indistinguishable from plants we have seen as 'Nuclear Blast' with incredibly twisted thread foliage that resembles Betula pendula 'Trost's Dwarf' more than a Mulberry. It may foreshadow future plant introductions from several places in the Middle East if the "Nuke em till they glow and shoot em in the dark" faction has its way.

MORUS ALBA 'NUCLEAR BLAST' S. P. -1@ \$19.00
Its The Sum of All Our Fears, we can't tell this apart from 'Itsoguma' but just in case we have kept them separate and while we are on the subject of mass weapons here's a troubling question. Do you really need a Krytron to trigger one, or is a fast high current solid-state switch good enough if you pay attention to the wire lengths going to the compression charges; and how hard can it be to build a gas centrifuge, export restrictions would seem to be useless?

NANDINA DOMISTICA V CAPILLUS 'TAMA SHISHI' SP. -1@ \$24.00
Another compact mutation from Japan although this one at least has leaves and looks a bit more conventional, a tight bun covered in glossy reddish green leaves.

NEILLIA AFFINIS G.- 1@ \$24.00
Introduced from China in 1908, Neillias are rosaceous shrubs rather similar in general appearance to Physocarpus with typical racemes of pink flowers in spring.

NEILLIA SP. EX HERONSWOOD G.- 1@ \$24.00
Yet another Neillia, you know how it goes you get one and soon you need them all even if the name is a bit sketchy.

OSMANTHUS 'GULFTIDE' G.-1@ \$29.00
One of the hardiest clones with extremely glossy solid green foliage heavily spined at the leaf margins; it is supposed to be compact however Dirr reports it can reach 15'.

X OSMAREA BURKWOODII SP. -1@ \$24.00
A rare bigeneric cross between Osmanthus delavayi and Phillyrea vilmoriniana made before 1919 by Burkwood and Skipworth in England, milky white flowers are fragrant in axillary clusters of 5-7, foliage is glossy and evergreen.

PARTHENIUM INTEGRIFOLIUM
Commonly known as wild quinine, it is a widely used but largely unproven remedy for a variety of ill's. 3-4' tall with white disc flowers

PAXISTIMA CANBYI NANA S. P. -1@ \$19.00
A creeping member of the Celastraceae, grown primarily as a groundcover for shaded areas, it may not be stunning but anything is better than Vinca this is the Siskiyou clone.

Tree peonies see perennial listing

PETTERIA RAMENTACEAE BAP.- 1@ \$24.00
Yet another monotypic genus, Petteria is related to Laburnum, differing primarily in the upright racemes of fragrant yellow flowers, cultivation is as for Cytisus, judging by the black and white photo in Krussman this should be quite showy.

PHILADELPHUS X 'BURKWOODII' S. P. -1@ \$19.00
'Etoile Rose' X 'Virginal' developed by Burkwood in England in 1929, the moderately fragrant flowers resemble Clematis montana but with a pinkish basal blotch.

PHILADELPHUS CORONARIA 'VARIEGATA' S. P. -1@ \$19.00
This is another of the fantastically variegated new plants we have been madly working to propagate and finally have enough to list; very broad snow-white emargined leaves. Who cares about the fragrant white flowers?

PHILADELPHUS X LEMOINEI 'MANTEAU D' HERMINE' S.P. -1@ \$19.00
Low mounds covered with myriads of creamy white fragrant double flowers, this is one of the best.

PHYSOCARPUS OPULIFOLIUS 'DART'S GOLD' S. P. -1@ \$19.00
No connection to the local Styrofoam Billionaire I used to work for, thank god. A nice plant despite the name, its gold fading to lime green as the season progresses.

PHYSOCARPUS OP. 'DIABLO SEEDLINGS YELLOW LEAF' S. P. -1@ \$19.00
We raised a group of open pollinated seedlings from Diablo, the pollen parent may have been Diablo or Dart's Gold or possibly Summer Wine, or all three from this batch we have sorted out two groups. This one with greenish gold foliage and the following.

PHYSOCARPUS OPULIFOLIUS 'SUMMER WINE' S. P. -1@ \$24.00
A miniature version of 'Diablo'. A result of Spring Meadows uncontrolled cross between Diablo and a dwarf form of opulifolius, compact growing with excellent dark purple leaves. It is the best Physocarpus currently in the nursery trade (Dale has a couple sister seedlings that are every bit as nice if not nicer).

PLATANUS X 'BLOODGOOD' BAP.- 1@ \$39.00
London Planetree is a large tree to 85' that becomes more spreading than pyramidal as it ages. It tolerates dry soil and is resistant to the anthracnose that afflicts Sycamore. The main ornamental trait is the patchy bark. The patches range from creamy-white to olive-green. The tree is a hybrid whose parents are P. occidentalis and P. orientalis.

PLATYCRATER ARGUTA G 1@ \$29.00
Great name, imagine a silvery platypus smashed flat by a meteor, got a mental image, well chuck it, this is different, more like a cross between a Hydrangea and a Deutzia. A monotypic, (can you believe it) Hydrangea relative from Shikoku, with flat clusters of four petaled white flowers, the fertile ones with a powderpuff of yellow stamens in the center.

POLYGALA SEE PERENNIAL SECTION

PONCIRUS TRIFOLIATA 'FLYING DRAGON' BAP.- 1@ \$24.00
A monotypic rutaceous small tree, 'Flying Dragon' is incredibly contorted and thorn covered, this unusual Citrus relative from Northern China and Korea is hardy here with good protection. White flowers and pubescent inedible lemons, immortalized in Led Zeppelin's The Lemon Song, " you can squeeze my lemon, till the juice runs down my leg" Plant of course.

PONCIRUS TRIFOLIATA 'FLYING DRAGON SEEDLINGS' S. P. -1@ \$15.00
These are seedlings raised from Langhammer's tree, all show varying degrees of contortion. Out of the hundreds of seedlings in this batch there were 12 nearly identical incredibly tiny genetic dwarfs. We plan to introduce these twelve clones in a few years if we manage to propagate them. We suspect some of their siblings may carry this gene as a recessive and urge

you to grow a few and criss cross them. I suspect Hammer would send pollen if you want to do a back cross. We also selected a single variegated seedling for future introduction. Poncirus can be sheared into tall impenetrable hedges so tough you can actually walk on top of them. I see a great wall of citrus, complete with gun turrets to protect against marauding deer.

POTENTILLA FRUTICOSA 'ABBOTTWOOD' BAP.- 1@ \$24.00
Considered one of the best white clones with excellent disease resistance and abundant pure white flowers produced over an extended season on low compact plants.

POTENTILLA FRUTICOSA 'BEAR TOOTH PASS' BAP.- 1@ \$24.00
A dwarf Siskiyou selection with good sized yellow flowers, choice enough for the larger rock garden.

POTENTILLA FRUTICOSA 'HOLLANDIA GOLD' BAP.- 1@ \$24.00
A low mounded plant with large dark yellow flowers

POTENTILLA FRUTICOSA 'KATHERINE DYKES' BAP.- 1@ \$24.00
No jokes about dykes or Catherine the Great, of course that thing with the swans, or was it stallions, is tempting, but no, I'm still getting crap over that Isle of Lesbos thing. Whiter shade of pale yellow flowers minus the vestal virgins.

POTENTILLA FRUTICOSA 'ORANGEADE' G.-1@ \$24.00
Mix with tequila for the perfect Potentilla sunset. That's right, drink enough and you will love this thing. Hell your entire garden will look great, even the weeds.

POTENTILLA FRUTICOSA 'SUNSET' BAP.- 1@ \$24.00

POTENTILLA FRUTICOSA 'PRIMROSE BEAUTY' BAP.- 1@ \$24.00
Small shrub having gray green foliage arching branches, & primrose yellow flowers from late spring until frost.

PRUNUS 'HALLY JOLIVETTE' BAP.-1@ \$39.00
A complex hybrid this is P. subhirtella x P. x yedoensis backcrossed to P. subhirtella, made by Karl Sax at the Arnold Arboretum in 1983. The 1 1/4" flowers are double, pink in bud opening white. It is one of the most spectacular flowering cherries.

PRUNUS PADUS COLORATUS S. P. -1@ \$19.00
Dick cut this from Harry Elkins garden, it has stunning purple foliage all season long. In the spring the 6" drooping racemes of light pink flowers are quite impressive. Given the general popularity of flowering cherries I'm surprised that you so rarely encounter this plant.

PRUNUS SUBHIRTELLA PENDULA G 1@ \$39.00
A widely grown weeping cherry, there are multiple clones grown under this name as it comes fairly true from seed. Mature plants are extremely impressive, and while these are small they grow reasonably fast.

PRUNUS TRILOBA G 1@ \$39.00
Flowering Almond grows best in sun or partial shade. It transplants well and grows fairly rapidly into a small tree. The pink flowers appear in mid-spring. Branches cut in early spring can be forced into bloom. Regular pruning is needed for best performance.

QUERCUS CHRYSOLEPIS S. P. -1@ \$15.00
Canyon live oak makes a spectacular bonsai as well as a good garden specimen in many parts of the countryreaching 100' after 300years or so. Canyon live oak is found in the Coast Ranges and Cascade Range of Oregon and in the Sierra Nevada in California. Realistically it is zone 6-7 but Gary has a plant in the arboretum at Gee's.

QUERCUS COCCINEA S. P. -1@ \$15.00
Scarlet oak, For fall color this oak is hard to beat, varies some from plant to plant but is indeed scarlet, even our one year plants were brilliant this fall. Eventually reaching over 100' tall and hardy to at least zone 4 it is a great oak.

QUERCUS ELLIPSOIDALIS S. P. -1@ \$15.00
Northern Pin Oak occurs on dry, sandy, usually acidic soils, A midwestern native it can rival scarlet oak for fall color.

QUERCUS FALCATA PAGODAFOLIA S. P. -1@ \$15.00
The Cherrybark Oak tree, or swamp red oak, It is larger and better formed than southern red oak and commonly grows on more moist sites. It has heavy strong wood which makes it an excellent timber tree for furniture. Many wild animals and birds use the acorns as food. This tree is also a pleasant shade tree and fast growing.

QUERCUS GAMBELLII S. P. -1@ \$15.00
Also known as Rocky Mountain White Oak. Small tree to 6 m (20 ft) tall, or a thicket-forming shrub. Bark light gray, furrowed into scaly ridges. Leaves alternate, elliptical or oblong, deeply 7-11 rounded-lobed about halfway to midvein, tapering to base, 5-15 cm (2-6 in) long and 3-8 cm (1.2-3.1 in) wide, shiny dark green above, pale green and hairy below. Fruits are acorns maturing in the first year, egg-shaped, about 15 mm (0.6 in) long, with cup covering about 1/3.

QUERCUS LOBATA S. P. -1@ \$15.00
Valley oak is a western sort of white oak, a beautiful tree that needs careful siting north of zone 7 to succeed. It is rather obscure in gardens (Dirr doesn't list it). Lobata will eventually reach 35m in height.

QUERCUS MONGOLICA S. P. -1@ \$15.00
Don't bother checking Dirr for this one, it's a big tree reaching 35m in height, just the thing for your Berkut to perch in when hunting wolves from horseback (those suckers get heavy to carry on your fist)

QUERCUS ROBUR 'FASTIGIANA' G.-1@ \$24.00
Want truffles but don't have space for a wide spreading crown, we have you covered (pigs and fungus not included). I think the fastigate form of robur is one of the best columnar trees. Picture a pair at your castle gates, or maybe just at the end of the driveway or entrance to your garden.

QUERCUS ROBUR 'FASTIGIANA' X BICOLOR S. P. -1@ \$15.00
From the same cross that produced regal prince these are mostly columnar and we expect them to be extremely fast growing as much as two or three feet a year if happy.

QUERCUS ROBUR X ALBA S. P. -1@ \$15.00
I don't know if you can grow truffles under these but they will make imposing specimens, thak a look at old white oaks and Truffle oaks and think what a bit of hybrid vigor could do.

QUERCUS EX 'REGAL PRINCE' S. P. -1@ \$15.00
Seedlings from this narrow fastigate robur x bicolor cross they look very narrow. and should be fast growing and mildew resistant.

QUERCUS VETULINA S. P. -1@ \$15.00

Black oak is native here, reaching over 100', they are popular nest trees for red tailed hawks and scratchy things to climb

RHAMNUS FRANGULA 'FINELINE' S. P. -1@ \$19.00

An apparently sterile form with lovely ferny foliage and a dense upright columnar habit, it is great for screens and hedges or just as a landscape accent.

RHAMNUS PALLASI #264 BAP.- 1@ \$29.00

Mojmir Pavelka collected this extremely slow growing species from sunny stony slopes near Tortum, Turkey at 1,700m, after countless years. It can produce a 1.5m-gnarled spiny bush with short linear leaves and black fruits.

RHAMNUS THYMIFOLIUS G. -1@ \$29.00

Only a single seed from Platek's 1997 collection germinated but it's a winner. A bonsai shrublet with small thyme like foliage its taken us a while to propagate enough to list and the wait has been worth it.

RHODOTYPOS SCANDENS G. -1@ \$19.00

For some reason we always seem to forget to cut this, it's rosaceous and native to China and Japan bearing 2", 4 petaled white flowers (unusual in the Rosaceae) followed by terminal clusters of 4 jet black shining fruits that persist until the following summer. Strangely ignored by plant breeders I know of no named cultivars.

RIBES ALPINUM AUREUM BAP - 1@ \$29.00

A slow growing form with golden foliage in spring that gradually fades to yellowish green, it was found in Belgium around 1878. Krussman who is notoriously conservative in his hardiness assessments ranks this as zone 2 hardy.

RIBES ALPINUM 'GREEN MOUND' BAP - 1@ \$29.00

A good compact mounded form with very clean foliage from Synesveldt Nursery; this is a male form lacking berries with racemes of 20-30 yellowish flowers in spring.

RIBES GORDONIANUM SP. -1@ \$19.00

Discovered in Ipswich England in 1837, it is apparently a chance hybrid between Ribes odoratum and Ribes sanguineum flowers reddish yellow in racemes followed by edible black fruit.

ROSTRICULA DEPENDENS GUIZ 18 G. -1@ \$19.00

A weird and obscure little dwarf shrub related to Elsholtzia with 5" pendulous racemes of fragrant lavender flowers on dwarf 3' plants this was collected by the Sino-British expedition to Guizho Provence.

RUBUS HENRYI VAR. BAMBUSARUM G. -1@ \$19.00

Hinkley calls it extremely hardy and rates it a zone 4 while Krussman considers it zone 7. That is precisely why we dislike zone maps. A scandent species from the bamboo forests of Hueph Province; flowers are pink and berries are black and typical but other than that its very unrubus-like. Looking more like the bamboo it grows with. (Lamarckian evolution? It's more plausible than the creationists, but I'll stick with Darwin).

RUBUS ODORATUS 97NO11W EX BEAL GARDEN G. -1@ \$19.00

Flowers are among the best in the genus 2" fragrant pink roses, this Appalachian native is one of my favorites. It has been slow for us which is a good thing at least when it comes to Rubus, these are a Beal clone.

RUSCUS ACULEATUS 'WHEELER'S VARIETY' BAP.- 1@ \$19.00

Everyone needs a hermaphroditic Butchers broom, but cuttings don't root and we feared we would never produce enough to list, hacking to pieces with a machete did the trick, and now you too can sample this perverse pleasure. Wicked evergreen spine tipped cladophylls (pseudo-leaves) clothe the naked photosynthetic stems rendering a semblance of normalcy, until the twisted hermaphroditic flowers burst forth from their cladophyll prison, pregnancy follows this depraved act and soon luscious round firm red fruits erupt obscenely from the center of each leaf. According to Dirr its shade tolerant, or perhaps such evil can't stand the full light of day.

SALIX CINEREA TRICOLOR S. P. -1@ \$19.00

Another variegated form with streaky variegation it only shows tricolor during cool weather and tends to green out in summer.

SALIX REPENS IONIA FORM G. -1@ \$29.00

Essentially a smaller version of 'Boyd's Pendula', very compact and flattened, a male clone forming a circle of gold when in flower.

SALIX ROSMARINIFOLIUS (S. ELEAGNOS) S. P. -1@ \$19.00

A large upright plant that can reach 9m in height with narrow gray Rosemary like leaves; it is a very graceful species that is particularly attractive reflecting off a pond.

SOLLYA HETEROPHYLLA S. P. -1@ \$19.00

A strange Indo-Australian plant in the Pittosporaceae, nearly monotypic there being only one other species. Heterophylla is a somewhat twining shrub that grows to 5' or so and bears terminal cymes of blue flowers, definitely tender, but a cool tub specimen for the deck.

SOPHORA DAVIDII S. P. -1@ \$19.00

Rare dwarf shrub, seedlings from Tony Reznecek plant, blue flowers. Dick speaks very highly of it, as far as he's concerned it is the best Sophora species.

SOPHORA FLAVESCENS HC 970082 S. P. -1@ \$19.00

An unusual species that behaves more like a sub shrubby perennial in our climate it is a dieback that flowers on new wood producing cylindrical panicles of creamy yellow flowers on 3' stems. There is currently a great deal of interest in Sophora flavescens as a medicinal species, extracts from it have been shown to be affective against chronic pruritus (itching) and has been found effective in hair growth. Both of these studies are apparently serious research not herbal craziness.

SORBARIA SP. AFF. AITCHISONII EDHCH 97257 g.- 1@ \$19.00

Another Heronswood collection, from Sichuan at 6,700', it looks more or less like all the rest, but we are hopeless collectors and need them all. Wait a minute maybe I should rephrase that, how about we have refined taste and appreciate the subtle differences of form and texture.

SORBARIA SORBIFOLIA G.- 1@ \$19.00

Picture a five to ten foot woody Astilbe with attractive dark green pinnate foliage that does indeed resemble Mountain Ash, hence the name. It suckers to form large colonies and produces masses of ten inch white Astilbe plumes in July and August when flowering shrubs are in short supply. A wonderful False Spirea that is native from the Urals to Japan but all too infrequent in gardens.

SPIREA BETULIFOLIA 'TOR' BAP.- 1@ \$29.00

Truth to tell I'm not all that taken with most Spirea, but this Scandinavian selection did stand out from the crowd. Neat 2-3 foot mounds of deep green birch leaves, exceptional in their purple autumn color and tightly packed clusters of snow-white flowers in spring combine to make one of the best new Spireas.

SPIREA DECUMBENS BAP.- 1@ \$29.00

Compact prostrate spreading mounds are covered in foamy white baby's breath flowers from June to September; decumbens makes a great ground cover.

SPIREA FRITSCHIANA ('WILMA') 'PINK PARASOL' BAP.- 1@ \$29.00

A new color for fritschiana, Tim Woods selected this outstanding pink spirea. The fluffy heads of flowers are a bit reminiscent of queen of the prairie grafted onto 2-3' mounds of bluish green foliage that turns spectacular shades of yellow-orange-red in autumn.

SPIREA JAPONICA 'FLAMING MOUND' BAP.- 1@ \$29.00

Low spreading mounds of yellow foliage sprinkled with red new growth and aflame with clusters of dark pink flowers, this puts on an impressive display in the garden. Flaming mounds, burning bushes, talking burning bushes, (some think they talk to Bush which is a scary thought but rest assured its just Karl Rove which is also scary to some.) Actually they are just telling you to sell all your worldly goods and use the money to buy plants from Arrowhead. On the other hand, it is possible to modulate a charged plasma and generate sound, and someone even attempted a high frequency tweeter using this technology, perhaps Clark's law applies.

SPIREA PRUNIFOLIA 'FLORA PLENA' BAP.- 1@ \$29.00

These came from Hinkley, who claims this is the true Bridal Wreath. Nomenclatural confusion reigns with x vanhoutii and thunbergii, I didn't attempt to sort things out trusting Dan to have it right. Fully double pompom flowers disdained by lepidoptera. I mostly remember playing hide and go seek behind foundation plantings of it as a kid and being eaten alive by mosquitoes, everyone else seems fond of it including Fred Case, Even Dirr claims it an old favorite of his, but goes on to say its open, coarse, straggly, leggy and over the hill, having no use in modern gardens. This sort of reverse psychology is either very clever or incredibly stupid depending on how much we sell.

SPIREA THUNBERGII 'FUJINO PINK' BAP.- 1@ \$29.00

A delicate looking fine textured plant that produces masses of light pink flowers early in the spring before the leaves emerge.

SPIREA THUNBERGII 'MT. FUJI' BAP.- 1@ \$29.00

This looks to be a variegated form of Spirea thunbergii, with willow like variegated leaves, these came to us from fanatic variegated collector Al Wojcik.

SPIREA X VANHOUTTEI 'PINK ICE' S. P. -1@ \$19.00

S. triloba x S. cantoniensis, Vanhouttei is probably the most popular of all the Spireas and normally would be a bit mundane for us, however 'Pink Ice' did catch our eye, the leaves emerge in spring mottled pink and white. This variegation does tend to green out in summer, however its still worthy of garden space.

STACHYRUS SALICIFOLIA G. -1@ \$29.00

Hardiness is untested here and I'm guessing it is on the tender side but published reports indicate that it may be harder than praecox. It is fantastic even as a winter bloomer in a cool conservatory. The combination of willow like leaves and pendant racemes of flowers is a definite winner.

STAPHYLEA TRIFOLIA BAP.- 1@ \$24.00

The native American Bladderpod, these are from the plants growing wild in Punnett's woods. A shade tolerant shrub or small tree it can eventually reach 36' in height but fifteen would be more common. Noted for its curious inflated seed pods, we like it for the fantastic bark.

STRANSVAESIA (PHOTINIA) DAVIDIANA 'PALETTE' BAP.- 1@ \$39.00

A large Chinese species that can reach 20' or more after a great deal of time. It has been very slow for us with fantastic tricolor variegation, very showy but I doubt it will prove hardy here.

STYRAX AMERICANA S. P. 1@ \$29.00

Cutting grown from a plant that has proven hardy for Punnett, it is more of a large shrub than a tree with typical white pendant bells. We find it quite attractive and much underused.

STYRAX JAPONICA G.- 1@ \$29.00

It's one of the most beautiful flowering trees with pendulous white bells dangling on 1.5" stalks.

STYRAX JAPONICA 'ISSAI' BAP.- 1@ \$49.00

An outstanding selection, 'Issai' is extremely free flowering and fast growing. it is exceptionally hardy blooming in great profusion on horizontal branches.

SYMPHORICARPOS X DOORENBOSII 'AMETHYST' S.P.1@ \$19.00

A great new coralberry from Germany, this produces abundant crops of vivid purple pink fruit in late summer Spring Meadow considers it superior to all other Coralberries.

SYMPHORICARPOS X DOORENBOSII 'WHITE HEDGE' S.P.- 1@ \$19.00

Developed by Dorenbos in the Hague prior to 1940. 'White Hedge' is stiffly upright with age and bears a tremendous crop of somewhat alien looking lumpy white fruits that are huge for a Symporicarpus. Actually it looks like someone superglued mini marshmallows to all the branches, ours fruited for the first time this summer and created quite a stir.

SYMPHORICARPOS X 'MAGIC BERRY' S.P.- 1@ \$19.00

Bluish green lvs, compact plants, large quantities of eye catching pink berries in fall.

SYRINGA AMURENSIS JAPONICA (reticulata) 'IVORY SILK' G.- 1@ \$29.00

Catchy name, I'd rave about it if only I knew how it was supposed to be an improvement over the species, bigger flowers, better bark, whatever, if it wasn't better why name it.

SYRINGA JULIANAE 'GEORGE EASTMAN' G.- 1@ \$29.00

I saw this In Dale Deppe's garden and was very impressed. It is distinctly different from any other lilac we grow with wine red buds opening to incredibly long tubed cerise pink flowers. If you lay a flower head in the rock garden, it could pass for a Dionysia.

TAMARIX RAMOSISSIMA 'RUBRA' G.- 1@ \$24.00

As above but darker pink, it is about as red as Tamarix gets and very showy.

ULMUS CARPINIFOLIUS 'JACQUELINE HILLIER' S. P. -1@ \$19.00

A densely branched slow growing plant that may eventually reach 6', it may in fact be a hybrid with glabra. We stumbled on this down at Gee's and immediately grabbed it.

VIBURNUM

"A garden without Viburnum is akin to life without music or art"-Dirr. He has a special fondness for them and so do we. In case you hadn't heard, he just wrote a Viburnum book and it is excellent. We urge you to buy it, without a doubt, one of the best garden books in recent years. And no I'm not getting paid to plug it although a cutting or two would not be turned down, there are some spectacular things I had never seen pictures of. A large and diverse genus it contains some of the most useful and handsome flowering shrubs. For fragrance, only Daphne can rival them. Wonderful in fruit as well as in

flower, the fruits come in a range of colors from yellow to red to black to blue and every shade in between. Birds and wildlife love them and indeed a few species make delicious jam or can be eaten out of hand. We are putting in a large mixed border of them to screen the house from the nursery and give us at least a bit of privacy. The fast growing ones are ideal for this. Heights can range from 18" to 30' trees. Actually they're a lot like potato chips, once you have one ya gotta have em all. Of the 150 or so species and hundreds of cultivars, we've selected an elite group for your gardening enjoyment. Your mission if you decide to accept it is to plant all of them. Viburnum leaf beetle is a pest in some areas but not here, we are completely free of it.

VIBURNUM X 'ALLEGHANY' G.- 1@ \$24.00
Rhytidophyllum x lantana Mohican; globose growth habit, dark green, coriaceous rugose leaves, disease resistant, abundant flowers in the spring, brilliant fruit later.

VIBURNUM 'ANNE RUSSELL' G.- 1@ \$24.00
Carlesii x Burkwoodii backcross 6'h x 8'w, compact, fragrant early flowering hybrid.

VIBURNUM BODNANTENSE 'PINK DAWN' G.- 1@ \$24.00
Grandiflorum x farreri; deciduous, winter blooming, well-branched shrub with densely clustered fragrant pink flowers from deeper buds; may be zapped by late frosts.

VIBURNUM X 'BURKWOODII' S.P.- 1@ \$19.00
Carlesii x utile semi-evergreen 8-10' high with very fragrant, pink buds open to white flowers that are longer lasting than carlesii, with an intense Daphne odora fragrance, works well with Rhododendron.

VIBURNUM X 'CONOY' S. P. -1@ \$19.00
An Egolf backcross of Viburnum X Burkwoodii 'Park Farm Hybrid' x Viburnum utile; a low spreading evergreen plant with glossy dark green leaves, clusters of dark pink buds open to slightly fragrant white flowers, foliage is exceptionally clean.

VIBURNUM DENTATUM 'BLUE MUFFIN' G. -1@ \$24.00
There is a plethora of dentatums all with a good display of blue berries, blue muffin I think is one of the best.

VIBURNUM DENTATUM 'PERLE BLUE' G. -1@ \$24.00
Showy clusters of creamy white non-fragrant flowers are only part of the deal; it is a heavy fruiter with large clusters of attractive blue berries. Not to be confused with blueberries, these blue berries are suitable for avian winter munchies. If you are in need of pie you'll have to fashion some arrows from the nice straight stems and shoot four and twenty of those pesky blackbirds.

VIBURNUM FARRERI (FRAGRANS) 'CANDIDISSIMUM' G.- 1@ \$24.00
The rarely offered white flowered form, I believe these are from a Roy Lancaster collection in Gansu (the species was introduced by Purdom and Farrer back around 1910). It blooms in winter in mild climates and very early in spring here. The clusters of berries are also quite ornamental as they change from red to black.

VIBURNUM FOETIDUM F. RECTANGULATUM G.- 1@ \$24.00
A gift from the nice folks at Spring Meadow, this may actually go back to a Crug Farm collection. It is a tall evergreen shrub with branches spreading geometrically at right angles, the tubular white flowers are in terminal cymes followed by brilliant red fruits. I suspect it will prove tender here but should be a great plant a bit further South.

VIBURNUM LANTANA 'MOHICAN' G.- 1@ \$24.00

VIBURNUM NUDUM 'WINTERHUR' G. -1@ \$24.00
Oh no a naked Viburnum, call out the censors and bleep it from the landscape. Well with the Winterthur name, maybe we can pass it off in the guise of art and trick the rubes. Creamy white flowers in may, which give rise to a spectacular fruit display, the berries slowly changing from hot pink to bright blue; the deep green leaves turn a lovely wine red in autumn. The species has a distinct preference for acid sites.

VIBURNUM PLICATUM 'SHASTA' S.P.- 1@ \$19.00
Perhaps the best of the large Plicatum types Shasta will get big and spread twice as wide as it is tall, with large flowers smothering the horizontal branches. It needs to be grown where the layered habit can be properly displayed.

VIBURNUM PLICATUM 'SHOSHONE' S.P.- 1@ \$19.00
Compact shrub with fine textured foliage, masses of small flowers, and persistent fruit, a seedling of Shasta every bit as nice but on a smaller scale 5'x 8'w.

VIBURNUM X 'PRAGENSE' G.- 1@ \$24.00
A hybrid made in Prague around 1955, rhytidophyllum x utile, the lustrous rugose leaves, glossy above and stellate tomentose beneath, are a bit smaller than rhytidophyllum, and almost evergreen here. The clusters of pink buds open to reveal creamy white flowers, it is an imposing specimen that can reach 8-10 feet in size.

VIBURNUM PRUNIFOLIUM S.P.- 1@ \$19.00
A childhood favorite, we always used to eat the fruit, which is more raisin like than prune, with flat watermelon seed to spit out, this is more tree than shrub, reaching 9m.

VIBURNUM SARGENTII 'CHIQUITA' G.- 1@ \$24.00
A rare bigeneric hybrid with Musa basjoo with fleshy clusters of 8" yellow fruit, just kidding, how about white pinwheel flowers with prominent purple stamens and scarlet berries in fall along with yellow-orange fall color.

VITEX AGNUS CASTUS G.- 1@ \$24.00
A dieback shrub here but top hardy a little further south, with blue flowers attractive to butterflies and aromatic foliage that looks a bit like Cannabis. We have a mix of both pink and blue forms, see picture in Wayside catalog.

VITEX ROTUNDIFOLIUS G. -1@ \$24.00
A cool new plant for this season native to the beach dunes of Korea, Spring Meadow calls it zone 5 hardy but it sure looks tropical and exotic. A spreading plant with attractive round glaucous silvery blue fleshy leaves and light blue flowers.

WEIGELA FLORIDA 'PINK PRINCESS' S. P. -1@ \$19.00
An Iowa State University selection with excellent cold hardiness and abundant lavender pink flowers on 5-6' tall shrubs, it is an older selection but still well worth growing.

WEIGELA MAXIMOWICZII S. P. -1@ \$19.00
Maximowiczii looks quite similar to middendorffiana, and subsessilis, all three are yellow flowered and very different from the Weigela florida cultivars you generally encounter in

gardens. Weigela will cross with Diervilla although I don't know if any of the yellow species has been attempted.

WEIGELA SUBSESSILIS 'CANARY' G -1@ \$24.00
Subsessilis is a Korean species, relatively new to western cultivation; with yellow flowers that fade to pink, producing a multicolor effect. 'Canary' is a free flowering selection that I believe originated with Dick Lighty from the Mt. Cuba Center.

WEIGELA SP. AFF FLORIBUNDA HC 970509 G. 1@ \$24.00
Hinkley's collections from N. Honshu in 1997, 8' plants with 8" leaves and whorled racemes of pink flowers; we have been particularly impressed by the size and quality of the flowers, a nice change from your typical Weigela.

WIKSTROEMIA GEMMATA S. P. 1@ \$29.00
What can I say once again we have a few cuttings to offer, it has been a challenge to container grow but has recently come into its own, producing bright yellow clusters of Daphne flowers for months on end. This was originally collected by Jim Waddick in Wen Chuan, Sichuan in 1989 and is probably the hardiest member of a largely tropical genus of 70 or so species. For now, I would only recommend it to those who can grow the elite Daphnes; if you can make it happy, it will knock your socks off. Since I wrote the above, I have talked to Jim; he collected it from a crumbling rock wall with barely an inch of soil. He says Kew determined it to be Gemmata no hedging about aff. It survived outside in his zone 5 garden for a number of years but eventually lost it.

XANTHORHIZA SIMPLICISSIMA G. 1@ \$15.00
Xanthorhiza simplicissima A monotypic member of the Ranunculaceae, Yellow Root is native to eastern American woodlands, it is a suckering creeping knee high woody thing with pendant panicles of brownish purple flowers. Dirr speaks highly of it and it is a wonderful groundcover for wet woods. The roots make a nice yellow dye.

DOES THIS FLOWER?

Don't ask. Of all the inane questions we are asked on a daily basis this is the worst. A little basic biology is in order here. Does it reproduce? If not it has long been relegated to the fossil record. Does it set seed (here you can eliminate the ferns, mosses and their kin, ignore the whole Angiosperm Gymnosperm naked seed thing for now)? If the answer is yes, where did the seed come from? Apomixis and cleistogamy notwithstanding, this is basically a birds and bees issue and you may want to refer to a copy of Sex For Dummies. I really don't mind questions, I'll happily explain alternation of generations in ferns yet one more time, despite the fact that the whole prothallus-antheridium-archegonium-gametophyte thing seems to elude most everyone but please no more does it flower questions.

VINES

For quantity price breaks and important ordering instructions see page 4

I cannot imagine a garden without vines, in our garden, nearly every tree has a vine, some have more than one, we scramble them through shrubs and even build the occasional trellis, although I much prefer the natural look. They are also great as groundcovers. If a tree they are growing on falls just peel off the vine, it will hide the stump and make a great groundcover. Most vines want shade or at least to have their roots in the shade, although they may not flower until they climb up into the sunlight of the upper canopy. Some are programmed not to flower until they are no longer touching anything. If you think about it, evolving the ability to climb sort of implies something to climb on. Sun loving vines tend to have fewer climbing adaptations. Vines are also a royal pain in the grass from a nurseryman's perspective they grow into one another and into nearby plants, and whenever someone wants to buy one it takes forever to disentangle it.

ACTINIDIA POLYGAMA PRICE. -1@ \$29.00
We previously offered this rare climber as kolomitka and like kolomitka, the new foliage is supposed to be variegated pink and silver, this only occurs on mature specimens. Young plants are all green, and distinguished by both the chambered pith and their amazing attraction to cats, which treat them like catnip.

AKEBIA QUINATA ROSEA PRICE. -1@ \$19.00
Bizarre fleshy grey fruits feel creepy and that look suitable for feeding zombies. Once they split open they look like some sort of alien hot dog. supposedly edible I can't bring myself to even taste it.

AKEBIA TRIFOLIATA PRICE. -1@ \$29.00
Known as Chocolate Vine, this spectacular climber boasts ¾" dark maroon flowers that smell of vanilla which are followed by sweet edible fruit (Hinkley describes a yummy sounding translucent grub like edible mass filled with seeds). A hardy member of the Lardizabalaceae, the Koreans use it to flavor soju. We'll stick to sniffing the flowers and admiring the highly ornamental trifoliate foliage.

AMPELOPSIS ACONITIFOLIA PRICE. -1@ \$19.00
A neat climber from northern China and Mongolia, aptly named the leaves do look like an aconite, fruits are blue. I like it scrambling through deciduous shrubs.

AMPELOPSIS BREVIDUNCULATA ELEGANS PRICE. -1@ \$24.00
Climbing vine with variegated leaves and very showy blue porcelain like berries, flowers are not showy but very attractive to bees; from China and Japan. Cuttings from the original plant Jim Briggs gave us, which eventually ate a part of our shade structure.

ARAUJIA SERICIFERA CRUEL PLANT PRICE. -1@ \$19.00
A strange climbing Milkweed from South America, Hoya-like clusters of fragrant white 3cm wide flowers are attractive to night flying moths that they capture by the proboscis in the manner of some alien Venus Flytrap, holding them in bondage until they fertilize the flower. Failure to perform results in a desiccated moth corpse hanging pendulum fashion by its tongue, fertilized flowers develop slowly for nearly a year into large inflated pods filled with silken parachutes; the perfect conversation piece for a boring deck or patio.

ARISTOLOCHIA BAETICA PRICE. -1@ \$19.00
A rare Eurasian species courtesy of Mojmir, more of a scrambler than a vine it is small leaved with typical bizarre flowers. Butterflies have shown no interest so far.

ARISTOLOCHIA CLEMATIS PRICE. -1@ \$19.00
Birthwort contains alkaloids that cause uterine contractions (the Druids version of RU422 but not nearly as safe, Don't eat it and don't picket us), curious pipe like flowers, weakly climbing vine, Europe. One of the high points of last summer was sitting around talking ferns with Dr. Storer, only to have him spot a 5th instar Papilio (Battus) philenor larva come crawling by, an event so unlikely that at first I thought it a joke. I've collected for years and never seen it in this part of Michigan; I figured Herb Wagner must have given him a larva or something. When I went to the garden to find it something to munch on there they were, 1.5" purple black, with magnificent fleshy tentacles like something out of the rainforest, devouring my Aristolochia clematis. We reared and released a couple dozen of the most incredible metallic blue green Pipevine swallowtails. They stayed around the nursery for weeks sipping from our mud puddles each morning but vanishing during the day. "If you grow it they will come," they sensed the only available food for miles and came here to lay eggs.

ARISTOLOCHIA MACROPHYLLA (DURIOR) PRICE. -1@ \$19.00
A classic Appalachian native vine for shading porches, we have it on a big silver maple and it is reaching for the canopy. It is quite a sight when in flower and even better when you can look up and see dozens of Pipevine caterpillars clinging to the underside of the leaves, true they prefer A. clematis but macrophylla has the advantage of extra biomass, eliminating the defoliation problem. Our colony of Philenor now seems permanent.

BIGNONIA CAPREOLATA 'TANGERINE BEAUTY' PRICE. -1@ \$19.00
A monotypic vine native to the Southeastern United States related to Trumpet Vine (which it hybridizes with to yield some spectacular hybrids). 'Tangerine Beauty' has been around for years but gained new popularity when it was promoted by the late J.C. Raulston.

CALYSTEGIA HEDERACEA FL. PL. PRICE. -1@ \$15.00
Vigorous vine to 8' or more with abundant double pink morning glories, a cool new vine, we grow it in a barrel. It tends to run underground rather quickly, and while this is great for covering fences it's a problem in small gardens.

CALYSTEGIA MACROSTEGIA SSP. CYCLOSTEGIA PRICE. -1@ \$19.00
Big creamy white morning glory flowers and fine textured foliage, there are good pictures on the calphoto web site, these are from a Ratko collection.

CAMPISIS RADICANS FLAVA PRICE. -1@ \$24.00
We never seem to have much of this, (Dick is not a big fan of Campsis so it goes to the bottom of the cut list), but I like it for its yellow flowers and am still mad that a brain dead former employee ripped my stock plant out of the display garden.

CAMPISIS RADICANS 'VARIEGATA' PRICE. -1@ \$39.00
A streaky splashy variegated form that we keep hoping will edge or center stabilize, flowers are typical orange.

CAMPISIS RADICANS 'FLAMINGO' PRICE. -1@ \$29.00
I bought it based on the name, and have yet to see flowers, my mental image being pink. Who ever heard of an orange flamingo? In the age of Photoshop orange can become pink with a mouse click, so I make no guarantees.

CAMPISIS X TAGLIABUANA 'MADAM GALEN' PRICE. - \$24.00
A very large flowered hybrid, C. radicans x C. grandiflora, the rich apricot flowers can flare to 8cm wide, nearly twice that of radicans.

CELASTRUS SCANDENS PRICE. -1@ \$24.00
This came to us as scandens from a North Carolina source so it probably is the native one, however I did not look at it closely when it was in fruit. If I'm wrong and you hate it, you can always cut it down and make some great rustic furniture.

CLEMATIS ADDISONII EX HANS PRICE. -1@ \$19.00
Endemic to just four counties in Virginia on dry, open rocky, woodlands and barrens overlaying limestone. This rare Clematis features thick petaled pink flowers that are outstanding, much like a pink viorna. Thanks to Hans at Shady Oaks for giving us the seed.

CLEMATIS AFF HOOKERIANA PRICE. -1@ \$19.00
Seed grown these are yellow flowered and belong somewhere in the orientalis-tangutica complex and may represent hybrids. Some flowered for the first time last summer and were quite nice. We are currently growing about 500 separate clones so there is the potential to name a few selected ones. (I always hate to release unflowered plants but space is tight and some of these have to go, if you get a flaming orange one I don't even want to know).

CLEMATIS ALBICOMA PRICE. -1@ \$19.00
Clematis albicoma is known only from shale barrens predominantly developed from the Upper Devonian Brallier Formation in nine counties of western Virginia and adjacent West Virginia. This rare clematis features thick petaled flowers are white to purplish pubescent on the outside and white inside.

CLEMATIS CHIISONENSIS PRICE. -1@ \$15.00
A typically yellow flowered species from Korea related to alpina generally bearing tiny spurs at the base of the ribbed sepals flowering on previous as well as current seasons growth.

CLEMATIS FORSTERI WIDE LEAF PRICE. -1@ \$19.00
A rarely seen New Zealander related to C. hookeriana and C. petriei the stems are wreathed with peculiar greenish white lemon verbenascent flowers for many weeks.

CLEMATIS HERACLEIFOLIA PRICE. -1@ \$15.00
Native to scrubby slopes in central China this important non-climbing species, with its fragrant hyacinth-like monoecious flowers belongs in every garden. It is best treated as a herbaceous perennial, charming visitors with its invasive fragrance, swallowtail butterflies seem quite attracted by its clusters of small tubular flowers.

CLEMATIS HERACLEIFOLIA 'ALAN BLOOM' PRICE. -1@ \$19.00
A customer from Ohio brought us these. A bit richer in color and more compact than the species, this is an attractive, easy, free blooming Clematis.

CLEMATIS INTEGRIFOLIA PRICE. -1@ \$19.00
Not twining, it is more of a herbaceous perennial, with atypical leaves and lovely pendant thick petaled blue flowers, almost 2" across. They are among the most graceful and demure Clematis. Our seed originated with Betty Blake, it's one of the best herbaceous species.

CLEMATIS INTEGRIFOLIA LAVENDER PRICE. -1@ \$19.00
Brigitta's selection of an outstanding lilac lavender flowered plant, very different from the normal purple-blue shades, integrifolia doesn't yield much cutting material.

CLEMATIS INTEGRIFOLIA PINK PRICE. -1@ \$19.00
Pink forms we selected from the best of our seedlings, all good pinks.

CLEMATIS MACROPETALA HYB PRICE. -1@ \$19.00
One of the largest flowered, small flowered Clematis - confusing hey - pendant long petaled blooms with an ethereal translucency quality. It never fails to put on a fine spring display; neat and attractive leaves unfolding simultaneously with the flowers, and the seed heads are attractive well into the winter. We find these much more tasteful than their large flowered cousins.

CLEMATIS MARMORARIA X PANICULATA LUNAR LASS PRICE. -1@ \$24.00
We have about 30 different clones from this cross ranging from small almost marmoraria like plants to larger ones that take after paniculata. Many are variegated with splashes of deep purple. Virtually all of them are good enough to be named. The best of these will be released at a later date. The tentative name is Clematis 'Dark Side of the Moon' (Ender likes Pink Floyd). For this year, we will offer our choice of cuttings from our stock plants and first releases of the following similar clones.

CLEMATIS MONTANA #839 PRICE. -1@ \$19.00
From a Jurasek wild collection these may well prove hardier than most of the forms that are in cultivation, abundant medium sized white flower.

CLEMATIS OROLEUCA EX HANS PRICE. -1@ \$19.00
A fuzzy thick petaled yellowish white flowered plant native to the eastern coastal states. if you like addisonii and albicoma you will like this as well. I admit I am a sucker for all the small flowered thick petaled ones.

CLEMATIS RECTA PRICE. -1@ \$15.00
A non-climbing clump forming herbaceous perennial that can reach 6' in height given a bit of support from nearby plants, the large terminal panicles bear myriads of small star-like white flowers.

CLEMATIS SERRATIFOLIA PRICE. -1@ \$19.00
Soft yellow flowers with violet stamens like alpina in form, autumn blooming, Korea.

CLEMATIS VITICELLA PRICE. -1@ \$19.00
Not to be confused with the above, this is the parent of many of the large flowered hybrids, rich deep purple blooms that look like a half scale Jackmanii.

DECUMARIA BARBARA 'BARBARA ANN'PRICE. -1@ \$29.00
Mike Dirr's selection of our native wood vamp, 'Barbara Ann' was a standout from a hundred yards away due to its lustrous dark green foliage. This climbing hydrangea can grow to 40' given sufficient moisture and a rich soil. Attractive not only for the excellent foliage but also for the attractive corymbs of creamy white fragrant flowers.

DIOSCOREA BATATUS VARIEGATAPRICE. -1@ \$19.00
Cinnamon vine, a tropical climber that we grew up one of the posts around our check out area, we had numerous requests .

DIOSCOREA QUINQUILOBATA HC 97060PRICE. -1@ \$19.00
An exquisite thing Hinkley collected from along river valleys in Korea, where the boldly lobed foliage twined to 15', erect axillary racemes of white flowers followed by chains of attractive winged fruit, it ranks high among the 600 or so species in the genus.

DIOSCOREA VILLOSAPRICE. -1@ \$19.00
Tagged East slope 95 B 347, which I think is a Beal acquisition number; villosa is a rarely offered species.

ECCREMOCARPUS SCABERPRICE. -1@ \$19.00
Chilean glory flower is a gorgeous climber with clusters of orange tubular flowers.

HERERA COLCHICA 'BATAMI'PRICE. -1@ \$19.00
Colchicine indeed, King Kong could swing from this one. With monstrous nearly foot long leaves it's hardly recognizable as an ivy; it has tetraploid vigor and then some. A named selection that Hinkley got from Roy Lancaster, this has been in two of the finest private gardens in the world. I wish I knew how they find time to trek around and maintain a garden, we go nowhere, and still have little time for our private gardens.

HERERA HELIX 'GLACIER'PRICE. -1@ \$19.00
I don't know how we got on the topic of Ivies but I mentioned to Punnett that I had rather given up on Ivies because all the nice variegated ones turned out to be tender here. They were for him as well with one exception, the name is a trifle questionable. It has been in his garden for a long time, shortly after that talk, it appeared in our greenhouse. Sure enough, it is a very nice variegated form.

HERERA HELIX CURLEY ASK DICKPRICE. -1@ \$19.00
Jacques brought us this, when asked about the name he said it came from Punnett and to ask him, he can't remember either, nameless and cold hardy with ruffled leaves.

HERERA HELIX 'HEDGEHOG'PRICE. -1@ \$19.00
Congested growth of curly heavily ruffled and twisted leaves, an attractive dwarf cultivar from Baldassare.

HOLBOELLIA CORIACEAPRICE. -1@ \$29.00
Plum purple fruits of disgusting edible goo, a choice vine with fragrant purple flowers and very attractive glossy evergreen foliage. In warmer climates it will climb to 7m, here its barely possible in the frost free zone up against a foundation and climbing a warm wall with some microfoam stapled over it in winter.

HOLBOELLIA LATIFOLIA HWJCM8PRICE. -1@ \$29.00
"If I ever get out of here, I'm going to Katmandu"; wait, I'll never get out of here, but I don't have to, Hinkley was already there and brought back this cool twining member of the Lardizabalaceae. An elegant thing a bit reminiscent of Akebia, in the spring the lavender flowers are tubular, dude, and are followed by plum sized purple fruit.

HUMULUS LUPULUS AUREUSPRICE. -1@ \$15.00
I wanted this mostly as a food plant for Angle-Wing butterflies, a must for butterfly gardeners or those who like fast growing vines; no chance of the caterpillars devouring this one.

HYDRANGEA ANOMOLA PETIOLARIS 'TILIIFOLIA'PRICE. -1@ \$29.00
From Spring meadow who originally acquired it as Schizophragma 'Brookside Littleleaf' we got it primarily to compare with our plants of Brookside and also with Hydrangea quelpartensis We have not had time to sort things out; the lack of flowers makes this a bit tough and I keep forgetting to ask Tony.

HYDRANGEA ANOMOLA SSP. PETIOLARIS 'MIRANDA'PRICE. -1@ \$29.00
A gold edged variegated form of Climbing Hydrangea, not to be confused with Hydrangea macrophylla serrata 'Miranda'. This 'Miranda' is a spectacular new vine; young plants take a few years to come into their own but will eventually become quite large. There is some confusion about the variegated forms of Hydrangea anomola ssp. petiolaris, 'Miranda' and 'Firefly' were independently discovered at about the same time; unfortunately they are nearly indistinguishable and may have been mixed up (not by us) during early propagation efforts.

HYDRANGEA SEEMANIIPRICE. -1@ \$29.00
A great stump the botanist plant, almost no one will guess Hydrangea (actually it is in section Comidia). The glossy thick textured leaves look more like an evergreen Magnolia than a Hydrangea; this is supposed to climb by self-clinging stems but to date ours have remained upright and shrub like with no hint of adventitious rootlets. Flowers are white in flat clusters, and only produced on older plants; it can also be used as an evergreen ground cover in warmer areas. Dan optimistically calls it zone 7, In colder areas grow it in a tub and winter it frost free. I can believe it would do well as a house plant, its weird enough to make it worth the hassle of hauling around.

KADSURA JAPONICA 'CHIRIFU'PRICE. -1@ \$39.00
A variegated clone, with attractive white speckled and streaked Hoya-like leaves. See general comments under the species.'

KADSURA JAPONICA 'FUKURIN'PRICE. - \$39.00
Kadsura is native from S. Korea to Taiwan, which may account for the variable hardiness claims. Woodlanders calls 'Fukurin' zone 5 while many authorities list the species as zone 9. I'm convinced enough to put a plant on a South facing wall and microfoam it. My guess is zone 6 or 7 which is do-able here with plenty of protection. We froze plants hard last fall and they dropped all their leaves, an excellent sign. 'Fukurin' is spectacular, with thick Hoya-like leaves broadly edged with cream. Don't confuse the genus with Kudzu; Kadsura is a member of the Schisandraceae. The 2cm wide sulfur yellow flowers are followed by 3cm wide scarlet red pendulous berry like fruits dangling from 3-4cm stalks in the leaf axils.

LATHYRUS GRANDIFLORUS
Lathyrus grandiflorus, the everlasting pea, is true to its name. It is rather a thug, and virtually unkillable. It has shocking magenta wings above petals of a deeper red but it is unscented, it will climb 6ft into a lilac or a forsythia to give a late-summer boost, or scramble through a hedge.

LONICERA JAPONICA AUREORETICULATAPRICE. -1@ \$19.00
Climbing bush with outstanding foliage and a golden net like pattern on each leaf, the biology of which is quite interesting, check it out.

LONICERA PERICLYMENUM 'SWEET SUE'PRICE. -1@ \$19.00
Collected by Roy Lancaster not in China but on a Swedish beach, and named for his wife, it's much like the previous but a more vigorous plant; the lack of variegation is responsible, Sweet Sue is also considerably more floriferous than Harlequin.

LONICERA X TELLMANNIANAPRICE. - \$19.00
A outstanding hybrid between sempervirens 'Superba' and tragophylla which was produced in Budapest in 1920, with extremely showy heads of bright orange flowers and attractive foliage, noticeably larger than periclymenum. Dirr considers it the showiest of all the climbing honeysuckles. Terminal clusters of up to a dozen long tubed flowers, the slender tubes and nearly 2' long and flare to an inch wide when they open. Color is an almost fluorescent orangish yellow tipped red in the bud stage and opening more yellow.

PANDOREA JASMINOIDESPRICE. -1@ \$19.00
One of the showiest vines we grow, sadly it is tender here. We have a specimen growing up through a large potted variegated Daphne odora, the huge flat faced pink trumpets are produced all summer, and everyone wants the trumpet flowered Daphne. Related to Campsis, tuberous rooted, plant deep and grow as a dieback a little further south.

PANDOREA JASMINOIDES VARIEGATAPRICE. -1@ \$15.00
A boldly variegated version that Dawn brought us from out west, vigorous growing and very showy, this is a great vine for attracting sphinx moths. Plant it near your patio where you can enjoy the sphingids darting about like ghostly hummingbirds at dusk. If you are a true fanatic hang a bedsheet with a couple of 4' blacklights pointed at it, I prefer 4 tube shoplight fixtures with blb bulbs although bl work also.

PARTHENOCISSUS QUINQUIFOLIA 'VARIEGATA'PRICE. -1@ \$19.00
The variegated version of our native Virginia Creeper, a plant I would have expected to be a rampant weed has proved quite the contrary. Dick put one out and it promptly croaked, and ours has struggled for years to get big enough to produce a few cuttings, on the other hand the variegation is stunning, in any event we only have a few.

PARTHENOCISSUS TRICUSPIDATA 'VARIEGATA'PRICE. -1@ \$19.00
This may in reality be the cultivar veitchii, which is a blotched variegate, according to Dirr there is some discrepancy as to whether or not the true veitchii is in cultivation in the U.S.; however if the descriptions are correct this would seem to be identical. Whatever the name it is an outstanding small leaved irregularly variegated and blotched form giving a pink purple white green multicolor display especially in spring.

PASSIFLORA CAERULEAPRICE. -1@ \$19.00
Hardy Passionflower, this will eat your greenhouse and spread Kudzu fashion to the surrounding acreage, and attract Heliconiad butterflies from miles around, we have had Gulf Fritillaries on ours a thousand miles north of their native range.

PASSIFLORA 'CORAL GLOW'PRICE. -1@ \$19.00
A fantastic looking plant with coral pink flowers that tolerates temperatures down to freezing and actually flowers better in cool weather the cross is complex; P. manicata? x ((P. mixta x P. tripartita v mollissima) x (P. mixta x P. tripartita v mollissima))

PYROCANTHA 'HARLEQUIN'PRICE. -1@ \$19.00
Variegated foliage is pink-white-green in spring and fall, becoming just white variegated in summer, fruits are orangish red; like many variegated plants it is not a fast growing as the green forms, and will only reach 6' or so, with thorns less vicious than some.

SCHIZANDRA CHINENSISPRICE. -1@ \$35.00
Magnolia Vine; a hardy climbing woody vine from China with single Magnolia-like flowers, a rarity from the Punnett garden. Its a vine that should be much more widely grown, especially for the display of brilliant red fruit in autumn. We cut from several clones but did not keep them separate, two or more clones are needed for fruit.

SCHIZANDRA PROPINQUA VAR. SINENSISPRICE. -1@ \$29.00
These came from Heronswood and I think Dan may have gotten them from Crug Farm. A yellow flowered climber from Sichuan with distinctive silvery mottled leaves, and red fruits if pollinated.

SCHIZOPHRAGMA CORYLIEUMPRICE. -1@ \$39.00
An extremely rare Chinese species with foliage intermediate between S. hydrangioides and S. integrifolium, flat clusters of lacecap Hydrangea flowers for sun or part shade, it is supposed to be zone 5 hardy.

SCHIZOPHRAGMA HYDRANGIODES 'PLATT DWARF'PRICE. -1@ \$35.00
We figured things weren't confused enough so we added one more cultivar to the 'Brookside Littleleaf', Hydrangea anomola petiolaris, Hydrangea quelpartensis complex. If anyone has definitively sorted this mess out let us know.

SCHIZOPHRAGMA INTEGRIFOLIUM VAR. FAUREI BJSW 3802 -1@ \$39.00
A Wynn-Jones collection of this rarely available vine from Taiwan, perhaps the most spectacular of all the climbing Hydrangeas, with immense foot wide flower clusters surrounded by three inch long white teardrop sepals, as Dirr says, a plant to lust after.

SOLLYA HETEROPHYLLAS. P. -1@ \$19.00
A strange Indo-Australian plant in the Pittosporaceae, nearly monotypic there being only one other species, heterophylla is a somewhat twining shrub that grows to 5' or so and bears terminal cymes of blue flowers, definitely tender, but a cool tub specimen for the deck.

TRACHELOSPERMUM JASMINOIDES 'TRICOLOR'PRICE. -1@ \$19.00
Outstanding tricolor foliage we are always a sucker for green pink and cream, and we are not alone. An award of merit winner in the UK, this lovely vine is actually a member of the dogbane family. The fragrance of the flowers is a nearly overpowering jasmine scent. The only shortcoming for us is its hardiness, it came rated zone 7 but Punnett thinks that a bit overly optimistic and he may be right the damn thing sure looks tropical.

TRICHOSANTHES KIRILOWII V. JAPONICAPRICE. -1@ \$15.00
Much like T. cucumeroides but bigger if that is possible, reaching 50-60', cool enough but there is more, the huge tendriled white flowers make passionflowers pale by comparison. They look like something out of a science fiction movie, be sure to check under the bed for pods, the snake gourd fruits that follow are yellow, and may contain alien clones.

WISTERIA FLORIBUNDAPRICE. -1@ \$29.00
Native to Japan it can reach 20m, twining clockwise, flower racemes to 60cm and fragrant. Spectacular but nothing compared to the cultivar 'Macrobotrys', which has racemes to 150cm and can cover 1/6 acre. Be sure to build a big enough trellis.

WISTERIA FLORIBUNDA 'MACROBOTRYS'PRICE. -1@ \$39.00
Cuttings from Punnett's plant of macrobotrys which surprisingly enough has proven quite difficult to root I can see it dripping 6' flower clusters from an arching trellis spanning 75" across our pond, of course I still need to build the trellis but hey piece of cake.

WISTERIA FRUTESCENS PRICE. -1@ \$15.00

Our native wisteria is well behaved with distinctive short plump flower clusters, we think it deserves a much broader exposure, it makes a great bonsai or trellis plant and is not prone to eating your house.

TRELLIS HINTS

1. Don't string wire between trees, Dick did this and built a lightning rod that fried two trees and vaporized the trellis along with a variegated Akebia.
 2. Avoid cheap trellises, they fall apart and are a bitch to replace after the vine has grown up. Build them so Orangutans can swing from them.
 3. Always try to trellis borderline plants on poorly insulated south facing walls and plan ahead for a place to staple microfoam to cover them for winter.
 4. Avoid using ties that girdle the plants.
 5. Many vines look great scrambling through shrubs or small trees.
 6. Avoid planting something on your house that is likely to eat it
 7. Try training a single stem up a pipe to make a weeping standard, if you want to get really fancy you can do a hollow braid around a piece of pipe which can latter be removed
- If you must use that flimsy pressure treated lattice, sandwich it between two pressure treated 2 x 4's. Better still mark the outline on the inner and outer 2 x 4 and dado or route grooves so it fits flush, then glue and screw the 2 x 4's together it will look like the lattice is growing out of the side of a 4 x 4 with no visible seam. For a more durable and massive trellis use paired 4 x 8's on either end and dado in grooves for 2 x 4's for the actual lattice work, a few lag bolts and some glue and you are done.
- Glued up schedule 80 PVC pipe makes a fair trellis, sweated or braised copper pipe is nicer still. For an adjustable trellis, there are socket fittings that lock with a hex screw that will work with either aluminum or galvanized pipe.
- If you are on a tight budget pipe and channel can be easily scrounged from a junkyard for next to nothing and welded up, (it is mandatory that you watch a few episodes of junkyard wars to get in the proper spirit) yes teams you have ten hours to build a combination sub orbital glider and wisteria trellis.

PERENNIALS AND ROCK PLANTS

For quantity price breaks and important ordering instructions see page 4

ABROMEITIELLA CF. CHLORANTHA #00007AR PRICE 1 @ \$6.50
A spiny high altitude xeric terrestrial Bromeliad from the deserts of Argentina, this makes a perfect rock hard hemispherical spine tipped dome, the cushion looks like a strange mutant Draba, When Baldassare Mineo visited he took one plant back on the plane with him, this was it.

ACAENA INERMIS PURPUREA PRICE 1 @ \$6.50
A neat little purple leafed mat former from New Zealand, inermis is very similar to A. microphylla but the ornamental fruits normally lack spines. Very attractive, it's hardy and nearly indestructible here.

ACANTHOLIMON

We have amassed what we think is the finest collection of these spiny cushions ever offered anywhere, cutting grown from clones in our private stash, these things are a pain to root, literally, Punnett's fingers will never be the same, (after our Gloved Employee from Hell incident a couple of years ago no one wants to be seen in gloves).

ACANTHOLIMON AFF. VENUSTUMPRICE - \$8.00
Large very blue rosettes tipped with wicked spines. We keep a large one in the front of one of our display troughs to zap unwary feeley touchy plant perverts. ("See me, Feeel Mee, Touch me," Help I'm turning into a Pinball wizard). I wish they would fondle them in the privacy of their own home.

ACANTHOLIMON ARMANUMPRICE - \$8.00
Mojmir's collections from Kara Dag at 1700m, silvery cushions with pale pink flowers on 10-15cm scapes, this is a first offering from this locality.

ACANTHOLIMON ARMANUM SSP ARMANUM 03PRICE - \$8.00
Euroseed collection from 1300M in Turkey on limestone, dense glaucous - silver shrublets, tiquetrous leaves white to pink flowers.

ACANTHOLIMON AVENACEUMPRICE - \$8.00
A long blooming species grown from cultivated material from the former U.S.S.R. via R.M.R.P with airy sprays of pink flowers produced over an extended season.

ACANTHOLIMON BRACTEATUM SSP. CAPITATUMPRICE - \$8.00
Mojmir considers this one of the best Turkish Acantholimons; from 3,000m on the stony slopes of Palandoken Dag, dense silvery cushions, bright pink fls on 1-3 cm scapes.

ACANTHOLIMON CARYOPHYLLACEUMPRICE - \$8.00
These date back to a 1997 collection, it's quite spiny with medium sized rosettes and pink flowers; we finally managed to root enough to offer it once more.

ACANTHOLIMON CARY. SSP. CARYOPHYLLACEUMPRICE - \$8.00
Another Euroseed introduction with silvery sleeping porcupine cushions and bright pink flowers collected on stony hills at 1,400m near Yozgat, Turkey.

ACANTHOLIMON GLUMACEUMPRICE - \$8.00
Native to sunny dry rock crevices in Anatolia and the trans Caucasus, the spiny green cushions bear typical bright pink flowers; it's one of the easiest species in cultivation.

ACANTHOLIMON HOHENACKERI 049PRICE - \$8.00
One of the most attractive species, this forms large spiny cushions of blue gray rosettes, grown from cultivated material originally collected in Iran, if it's lost from cultivation it probably won't be re-collected any time soon.

ACANTHOLIMON HYPOCHOERUMPRICE - \$8.00
Platek's 1998 collection from Bey Dag at 1900m where he found it growing on gravelly stony hills; white flowers on 10-15cm scapes above spiny cushions.

ACANTHOLIMON KOTSCHYI SSP. LAXISPICATUMPRICE - \$8.00
Another of Ota's from Near Ilgar Dag, it's similar to Acantholimom amanum with long racemes of pink flowers.

ACANTHOLIMON LITWINOVII 94-0116PRICE - \$8.00
Handsome bluish cushions tipped with spines, pink flowers; dry lover from Asia is rather fine textured and not as wickedly armed as some.

ACANTHOLIMON TROJANUM 07PRICE - \$8.00
A very rare densely pulvinate plant similar to ulicinum, but more glaucous and much more compact, Pavelka found em at 1,600m near Kaz Dag, Turkey. Nearly 100% effective, there is little chance of even getting laid if you wear one of these.

ACANTHOLIMON ULICINUM SSP. PURPURESCENSPRICE - \$8.00
Holubec's 1997 collection from Dedegöl Dag on limestone screes at 2400m, small to medium greenish cushions; bright rose flowers in short dense spikes with reddish bracts. This is my favorite of the ulicinum forms with outstanding foliage with an unusual hue.

ACANTHOLIMON VENUSTUM V. VENUSTUMPRICE - \$8.00
Large very blue rosettes tipped with wicked spines this is a large grower with huge spiny cushions.

ACANTHUS BALCANUS (HUNGARICUS)PRICE - \$12.00
Leaves with deep lobes, but lacking spines; flowers are similar to mollis, 2 1/2' h.

ACANTHUS MOLLISPRICE - \$12.00
The classic bears breech, whose foliage decorates Greek columns, they have lovely dense spikes of purple veined white flowers, 3 ft. high, best in a slightly shaded protected place.

ACANTHUS SYRICUSPRICE - \$12.00
Leaves with many spines, they have lovely dense spikes of purple veined white flowers, 3 ft. high, best in a slightly shaded protected place; Syria to Greece.

ACHILLEA AGERATAFOLIA PRICE 1 @ \$8.00
A dwarf gray tomentose white flowered species from the Balkans.

ACHILLEA MILLIFOLIUM 'COLORADO' PRICE 1 @ \$8.00
A nice mix of mostly pastel shades this is a long blooming yarow that is great for massed plantings, it cuts well and can be dried.

ACHILLEA MILLIFOLIUM 'LAURA'PRICE 1 @ \$8.00
Sturdy, compact and upright stems display sprays of non-fading, ruby red flowers with extra-large white eyes.____ZONE 5

ACHILLEA MILLIFOLIUM 'LITTLE SUSIE'PRICE 1 @ \$8.00
The strong branching stems of this compact 12-14", upright variety holds non-fading, mid-pink flowers without an eye.____ZONE 5

ACHILLEA MILLIFOLIUM 'STRAWBERRY SEDUCTION'PRICE 1 @ \$8.00
Feathery foliage and fade resistant flat clusters of luscious strawberry red flowers with a gold Deep gray green center. It is dwarfer than the type and an excellent plant for a sunny border

ACHILLEA PYRENAICAPRICE 1 @ \$8.00
A white flowered species native to the pyrenees and quite similar to achillea ptarmica but perhaps a bit larger flowered, it is easy and long blooming.

ACHILLEA SIBERICA KAMTSCHATICAPRICE 1 @ \$8.00
Toothed leathery deep green leaves topped by flat heads of rose pink flowers this is one of the nicer Achillea species and quite different from the millifolium types.

ACHILLEA SIPIKORENSIS 32APRICE 1 @ \$8.00
Another excellent Turkish species with silvery grey cushions of tomentose leaves and solitary white flowers on short stems, Mojmir collected it from the gypsum hills near Gurun at 1700m.

ACHILLEA SP. EX UTAHPRICE 1 @ \$8.00
Punnett, who is not a big Achillea fan but does like new trough plants, loves this cute tiny species, which came to us from John Hargrove at H & H Botanicals.

ACHILLEA X LEWISII 'KING EDWARD'PRICE 1 @ \$8.00
'King Edward' is a charming little hybrid, the parentage is most likely A. clavenae x A. nana x A. tomentosa; it forms small mats of gray foliage topped by flat corymbs of pale yellow flowers that age to cream, atop 15-20cm stems.

ACHILLEA X KELLERERIPRICE 1 @ \$8.00
A natural hybrid found in Bulgaria by C.F. Ball and introduced by Sündermann, parentage is a bit uncertain, A. clypeolata is almost certainly one parent the other being either A. ageratifolia ssp aizoon or A. depressa. Leaves are grayish green and provide a nice foil for the corymbs of white flowers.

ACONITUM

Indispensable for their late summer and fall blooms, Aconites, like so many of their cousins in the Ranunculaceae tend to be long lived in the garden. I suspect they would be much more popular if seed were a bit easier to germinate. I particularly like them in combination with Tricyrtis and Japanese Anemones, underplanted with a few fall Gentians, Cyclamens and Colchicums. Its time to break the mum addiction, just say no and leave them at the grocery store.

ACONITUM CHARMICHAELII (WILSONII) SPATLASEPRICE 1 @ \$8.00
Perhaps the finest of the Aconites, this imposing species is always in demand; the soaring spires of hooded blue flowers tower over the Tricyrtis and Cyclamen mocking the pathetic attempts of Mums trying in vain capture your eye.

ACONITUM NAPELLUS NEWRY BLUEPRICE 1 @ \$12.00
Blooming in late summer this is one of the showiest aconites and a standby for summer color.

ACONITUM TAURICUMPRICE 1 @ \$8.00
An Italian species with dissected foliage and dense purple flower spikes, it grows at around 1000 meters in the north of Italy. an extremely nice plant that is well worth a place in the perennial border.

ACORUS CALAMUS 'VARIEGATUS'PRICE - \$15.00
A strongly variegated form of our native species celebrated in poem (Whitman didn't tell you it was a dangerous hallucinogen) strange spathe and spadix flowers.

ACORUS CHRISTOFFIIPRICE - \$8.00
As far as I know there are only two species of Acorus, with no mention of christoffii, perhaps it is a quantum Acorus, that both exists and doesn't exist depending on how you look at it. I'm still working on designing a two slit Sweet Flag detector, and no I have not been chewing on the leaves.

ACORUS GRAMINEUS DWARF 'HIMENASUMENE'PRICE 1 @ \$8.00
An exceptional fine textured plant with narrow leaves edged in creamy yellow that fade to white later in the season. We got this from Heronswood years ago however it has long since departed from their catalog, indeed it did not even leave a trace in Google. It is depressing that so many great plants are not maintained in cultivation, someone should start a propagation repository for plants no longer in the nursery trade, this would be a great mission for a private or public botanic garden.

ACORUS GRAMINEUS MINIMUS AUREUSPRICE 1 @ \$8.00
Minimus aureus is like a dwarf form of Ogen, small enough to use in a trough or as a companion plant for bonsai, it has a lot of cute appeal.

ACORUS GRAMINEUS 'PUSSILLIUS'PRICE 1 @ \$8.00
Tiny and cute this is great in a trough or miniature landscape, or even in drifts as a grass substitute that never needs mowing.

ACORUS GRAMINEUS 'VARIEGATUS'PRICE 1 @ \$8.00
Similar to the above, white striped leaves; many Acorus contain beta-asarone, which is also found in Sassafras and Asarums and is mildly hallucinogenic as well as carcinogenic.

ACTEA NIGRA (SPICATA) (ASIATICA)PRICE - \$19.00
Native from Europe to western Asia, this is the black-fruited form from China Japan and Korea, the taxonomy is a mess even without the Cimicifuga complications, but nigra is highly desirable under any name.

ACTAEA RUBRAPRICE - \$19.00
Commonly known as Red Baneberry it is part of a circumpolar complex of species and is morphologically similar to the European *Actea spicata* which has black berries not red. To complicate things further there is a white flowered form *Actea rubra neglecta*. Whatever the name it is a wonderful woodlander, it is however a bit more finicky for us than *Actea pachypoda*

AETHIONEMA GRANDIFLORUM PRICE 1@ \$8.00
One of the best species, reliably hardy with rather large pink flowers above neat little bonsai looking foliage.

AETHIONEMA MEMBRANACEUM PRICE 1@ \$8.00
Pavelka collected this from the stony slopes of the Sakaltutan pass in Turkey at 2,000m; shrublets with many tangled glaucous leaved stems topped with small rose flowers.

AETHIONEMA OPPOSITIFOLIA:**SEE EUNOMIA**

AGAPANTHUS TINKERBELLE VARIEGATED PRICE 1@ \$6.50
Derived from the Greek agape (not to be confused with Harlan Ellison's Eros Tinkerbelle, which got him fired from Disney). This dwarf form may still turn you on, its only a few inches tall with fantastic strongly variegated foliage, however it is shy flowering and slow to reach sexual maturity; reputedly it blooms best when pot bound and well fertilized, (Tinkerbelle gets it on when she's in bondage).

AGAPANTHUS SP. WHITE PRICE 1@ \$6.50
A white form we raised from seed years ago, its tough but nothing like the above.

AGASTACHE 'BIG BAZOOKA' PRICE 1@ \$8.00
Do the demonic rodents in your garden seem invulnerable, is it true that no weapon ever forged can harm them, Na, you just need a 'Big Bazooka', it will blow them away (check out Buffy reruns for operating instructions).

AGASTACHE AURANTICA PRICE 1@ \$8.00
Aromatic grey foliage and myriads of orange-yellow long tubed flowers, from Alpains.

AGASTACHE CANA PRICE 1@ \$8.00
Sweetly scented rose purple flowers and foliage, cana is a good showy late summer perennial that the hummers are quite fond of.

AGASTACHE FOENICULUM PRICE 1@ \$8.00
2-foot mounds of anise scented foliage topped by short spikes of blue Hyssop-like flowers, it is easy to please and blooms for a good chunk of the summer making it great for general landscape use.

AGASTACHE FOENICULUM 'GOLDEN JUBILEE' PRICE 1@ \$8.00
Gold leaved version of the above.

AGAVE MCKELVIANA EX AZ 2029M PRICE 1@ \$12.00
Agave mckelveyana Very hard to separate from Agave deserti var. simplex, this small Agave from western Arizona, grows in dry scrubland between 3000 and 6000 ft. It forms a tight rosette of stiff, bluish green leaves and is extremely tolerant of drought and severe freezes

AGAVE PARRYI COUSII PRICE 1@ \$12.00
Agave parryi cousii A dwarf version of parryi this has broad bluish leaves and excellent cold hardiness native in central Arizona in Coconino County

AGAVE PARRYI PARRYI PRICE 1@ \$12.00
Agave parryi parryi Parry's agave or mescal agave is a slow-growing agave native to Arizona, New Mexico, and northern México. The leaves are grey green and have a spine at the tip. One of the distinguishing features is that the point on the tip, which is typically dark tan, brown, or black, is darker than the leaf. The rosette grows as large as 1½ to 2½ feet in diameter. Parry's Agave is evergreen. Mature plants produce a twelve-foot stalk with bright yellow blooms. They are monocarpic

AJUGA REPTANS 'BURGUNDY GLOW' PRICE 1@ \$8.00
Ajuga, other than chamaepitys and ovalifolia, suffer from a lack of snob appeal. Don't be put off they have considerable merits not the least of which is they are unkillable, weed strangling and have rather pretty foliage; here the leaves are wine and the flowers blue.

AJUGA 'CHOCOLATE CHIP' PRICE 1@ \$8.00
Very showy spikes of violet blue flowers above mats of chocolate foliage.

AJUGA PYRAMIDALIS 'METALICA CRISPA' PRICE 1@ \$8.00
A personal favorite the cushions of twisted and crinkled metallic bronze foliage are definitely different, like heaping mounds of fresh raccoon poo glistening in the morning light.

AJUGA 'SILVER QUEEN' PRICE 1@ \$8.00
Attractive mats of green and white variegated foliage.

ALCHEMILLA ERYTHROPODA PRICE 1@ \$8.00
A bit reminiscent of A. alpina of the 300 or so species this gem from the Carpathians ranks as one of the best. The foliage is very neat and the display of yellow flowers is among the best.

ALCHEMILLA MOLLIS THRILLER PRICE 1@ \$8.00
Actually less of a Lady's Mantle than a Small Children's Mantle, luring them with theme parks and Jesus juice. This pale version is all in all just about the creepiest thing I can think of (Oh and did I mention that the music sucks and the nose is in danger of falling off.)

ALOINOPSIS SCHOONESSII PRICE 1@ \$8.00
One of the stone plants, the mimicry is not as good as with lithops but they are still cool looking more like some dead fleshy reptilian toe than a rock.

ALONINOPSIS SPATHULATA PRICE 1@ \$8.00
One of the best of the many mesembas that have been making the rounds thanks to all the South African collecting expeditions, tight cushions of fleshy leaves and large pink daisies on short stems, very slow from cuttings.

ALSTROMERIA HYBRID VARIEGATED PRICE - \$12.00
A nice variegated form, I think Jaques or Dick may have given it to us originally in any event it is nicely variegated with typical multicolored alstromeria flowers and excellent hardiness.

ALSTROMERIA SP. 1279X PRICE - \$12.00
Multicolored flowers often seen as cut flowers, they will make it outside as far north as here

ALYSSUM MARKGRAFII PRICE 1@ \$6.50
From cultivated material ex Albania, this is an upright species with fine gray leaves and yellow flowers producing an extended show.

ALYSSUM OSCHTENICUM PRICE 1@ \$6.50
A rare endemic collected by Pavelka from limestone screes in the Western Caucasus at 2400m, the small gray 5-15cm stems creep or flop to form delightful mats tipped with compact heads of yellow flowers.

ALYSSUM OVIRENSE PRICE 1@ \$6.50
A mat former from the southeastern Alps and western Yugoslavia, yellow flowers on 12cm stems.

ALYSSUM SAXITILEPRICE 1@ \$6.50
Also known as Aurinia saxitile this is the well known Basket of Gold, very free flowering and extremely easy. It is still well worth growing and is great with subulata Phloxes and cushion Dianthus

ALYSSUM SAXITILE 'DUDLEY NEVILLE VARIEGATED' PRICE - \$8.00
Aurinia saxitile if you prefer (personally I hate that name and my muse informs me I have taxonomic license -"Fornit some Fornus" or something like that, apologies to Steven King). In any event, it is the best of the Basket of Gold types with nicely variegated gray fuzzy leaves and flowers that are yellowish with a hint of apricot.

ALYSSUM SAXITILE PLENUM PRICE - \$8.00
The double flowered form, like all the Basket of Gold types it's lovely in the garden but looks like a scraggly mess in pots; remember to shear them back after planting to tighten them up, in the garden they stay neat.

AMSONIA JONESII PRICE - \$8.00
Jonesii! I see you marking an X by it already, with that name how bad can it be. It gets better, mature plants bear 50-100 three foot stems of lanceolate leaves topped with heads of long tubed pale blue flowers. An Alpains collection from Mohave co. Arizona at 1,509m.

ANACAMPSEROS RUFFESCENSPRICE 1@ \$8.00
Succulent reddish rosettes like a sempervivum with P.M.S., nearly 2" pink flowers.

ANCHUSA CAESPITOSA PRICE - \$19.00
One of those legendary plants that you always see in pictures but seldom see offered for sale. Indeed we had searched for several years in vain until Jim Briggs showed up a couple years ago with a plant (thanks to Carl Geheuo for keeping it in cultivation). This rare little Borage forms tufts of bristly grayish green linear leaves. Native to Crete it is generally hardy but rather wet sensitive, however if well grown it will reward you by covering itself with insanely blue Eritrichium flowers. It has nearly disappeared from cultivation in recent years and we will do our best to see that our limited stock goes first and foremost to gardeners with the propagation skills needed to maintain it in cultivation. It must be frequently rooted from cuttings or you will lose it to complacency. Let us know if you think you are worthy and will promise to propagate it.

ANDROSACE BARBULATAPRICE 1@ \$8.00
A classic plant in the villosa section. Barbulata is an attractive and relatively easy plant collected by Vojtec Holubec from limestone crevices in the Western Caucasus at 1,900m, its umbels of pinkish white flowers are produced on short stems above low loose mats of furry rosettes similar to villosa but larger.

ANDROSACE LANUGINOSAPRICE 1@ \$8.00
Silvery rosettes of leaves radiate outwards at the tips of stolons, lovely pink flowers in small heads are freely produced. This is one of the best of the growable Androsace species, a Himalayan Primula it dislikes being too sunbaked, at home in a trough or in the open garden and beautiful trailing over the edge of a rock; this is a particularly fine clone we selected from some Alpains seedlings.

ANDROSACE SARMENTOSA (CHUMBYI)PRICE 1@ \$8.00
Just to keep things interesting Punnett brought in cuttings from his favorite clone of sarmentosa, its every bit as tight as Chumbyi, and may in fact be the same form. One of the best of the easy Androsaces, this forms mats of fuzzy 2cm rosettes. In the form Chumbyi (which these are indistinguishable from) they are on very short stolons producing a huddled domed fur-ball cushion. In the spring, umbels of yellow-eyed pink flowers are produced on stems above the cushion.

ANEMONE ALTAICAPRICE 1@ \$8.00
Growing in woodland fringes in the Altai it is similar to nemorosa and may indeed be a subspecies of it, white flowers with 8-12 petals veined blue on the interior.

ANEMONE HORTENSISPRICE 1@ \$8.00
Tuberous rooted; 1-2" pinkish mauve flowers, also known as A. stellata it is similar to pavonia. Do not believe the RHS bulb book, this is hardy here and they call it zone 8 what a joke.

ANEMONE MULTIFIDA V. TETONENSIS Ratko 97-16PRICE 1@ \$8.00
Ron's collections from Clay Butte at 10,100' these are similar to drummondii but with broader hairier leaflets, flowers here are cream with a bluish reverse and usually solitary atop 6" stems.

ANEMONE NEMOROSAPRICE 1@ \$8.00
Forming colonies of spreading underground branching rhizomes this wonderful European species is always a welcome addition; 2-4cm flowers in colors that range from white to pink and purple sit solitary atop 5-15cm stems. The effect is enhanced because the flowers generally all face the same direction. These are mixed seedlings but there are myriads of named forms and Brigitta is quietly collecting them all, one of these years she will start to part with them.

ANEMONE NEMOROSA 'ALLENII' PRICE - \$8.00
A large flowered form with pale blue flowers that are a deeper shade on the reverse, it thrives under cool rich shaded conditions but will tolerate a surprising range of conditions. _____ZONE 5

ANEMONE NEMOROSA 'BRACTEATA PLENIFLORA' PRICE - \$8.00
By far my favorite nemorosa, this thing is bizarre, the true flowers are surrounded by a ring of green and white bracts, it is difficult to describe and no two are exactly the same, it is one of those plants that you cannot walk past with a camera without taking dozens of shots. It is also wonderful as a winter bloomer in a conservatory, (blooming a bit after the Ranunculus ficaria clones) although it is perfectly hardy in the garden as well.

ANEMONE NEMOROSA 'LEEDS VARIETY' PRICE - \$8.00
A robust grower with large white flowers it will form rather large mats if happy, and looks great creeping around under shrubs or in a lightly shaded woodland garden.

ANEMONE NEMOROSA 'ROBINSONIANA' PRICE - \$8.00
An old variety selected at the Oxford Botanic garden way back in 1870, the large pale blue flowers have endured rather well and I still find it one of the best growers.

ANEMONE NEMOROSA 'VESTAL' PRICE - \$8.00
Pure white with a crested button center, it is large flowered and very showy however it has been rather slow to increase so far for us.

ANEMONE NEMOROSA 'WYATT'S PINK' PRICE - \$8.00
'Wyatt's pale pink is more like it is attractive enough but don't be expecting deep pink, and it is an excellent grower multiplying rather quickly.

ANEMONE SYLVESTRIS 'MADONNA'PRICE 1@ \$8.00
What does this have in common with Madonna, well they both have big ones, but the plant has more class. It's not prone to adoption publicity stunts and never tries to convert foreigners to it's odd religion. Don't be put off by the name this is a great Anemone with myriads of huge white flowers in spring.

ANEMONE X SEEMANII (NEMOROSA X RANUNCULOIDES) PRICE - \$8.00
A naturally occurring hybrid also known as Anemone x lipsiensis flowers are typically large and pale creamy yellow. It is one of the best small Anemones.

JAPANESE ANEMONE

We list the following cultivars, all have vigorous branching wiry stems and slightly cup shaped flowers over deeply divided dark green leaves, stunning fall display of blooms, they prefer light shade and a little protection.

'ANDREA ATKINSON' 35" single pure white with orange stamens PRICE 1 @ \$8.00

'CRISPA' PRICE 1 @ \$12.00

An odd plant with crinkled ruffled leaves often edged in red with single pink flowers on 20" stems in late summer

'PRINCE HENRICH' 24-28" deep pink flowers with a yellow center PRICE 1 @ \$8.00

'SEPTEMBER CHARM' silvery pink with a darker exterior..... PRICE 1 @ \$8.00

'SERENADE': 40" double dark pink flowers PRICE 1 @ \$8.00

ANEMONELLA THALICTROIDES PRICE 1 @ \$6.50

A charming little eastern American woodlander, with delicate columbine like foliage and demure little anemone flowers in white or pink.

ANEMONELLA THALICTROIDES DOUBLE PINK ('CAMEO')PRICE - \$15.00

We got these years ago from the late Betty Blake. As far as I can tell it is indistinguishable from 'Cameo', a fully double light pink, on the other hand, Betty found a number of clones and this may be from one of her wild collections. In any event a lovely plant and for all who knew Betty a little piece of her garden to treasure.

ANGELICA GIGAS PRICE 1 @ \$6.50

One of the most exciting new perennials with umbels of raspberry red flowers prominently displayed on dark stems over bold foliage..... ZONE 5

ANTENNARIA AROMATICA (PULVINATA) Ratko #97-21 PRICE 1 @ \$8.00

Ratko's 1997 collection from the type locality, in the Beartooth near the Quad Creek Headwaters at 9800' where it grows in dry alpine scree and gravelly flats; its extremely similar to Antennaria alpina v. medea, differing primarily in the citronella scented foliage. Both these plants are spectacular and very wet sensitive.

ANTENNARIA CARPATICA PRICE 1 @ \$8.00

A woody based tufted European species not restricted to the Carpathians. It's previously been known as A. helvetica or A. lanata and is one of the best European species.

ANTENNARIA MAGELLANICA PRICE 1 @ \$8.00

A nice silvery pussy toe from the tip of South America, it forms dense attractive mats of silvery leaves that are nice between paving stones.

ANTENNARIA NEGLECTA PRICE 1 @ \$8.00

A silvery furred beauty; it is a kinky Pussy Toe with whip like stolons. This may be gaspensis, at the very least it will make you gasp, or possibly moan, with its purple based white tipped female capitula, complete with crimson styles; lots of pleasure and little chance of cat scratch fever.

ANTENNARIA NEGLECTA GASPENSIS PRICE 1 @ \$8.00

The real thing from the Gaspé Peninsula via Baldassare, its a prostrate dwarf - I'll leave the rest to your imagination.

ANTHEMIS CRETICA SSP. IBERICA PRICE 1 @ \$8.00

Typical Anthemis cushions of dissected gray basal foliage, ssp iberica differs from the rest by producing solitary yellow flowers on 5-15cm stems, Pavelka found it in the alpine meadows of Zigana Dag at 2,300m.

ANTHEMIS MONTANA PRICE 1 @ \$8.00

A cute little daisy with yellow discs surrounded with creamy light yellow ray flowers, it is a long blooming perennial sometimes grown for its essential oils but strangely rather uncommon in gardens.

ANTHERICUM BOETICUM PRICE 1 @ \$8.00

Very similar to liliago, the smallest of the European species reaching only 15cm, flowers white with a maroon stripe; Spain and Portugal.

ANTHERICUM LILIAGO PRICE 1 @ \$8.00

St. Bernard's Lily, (not really a dog), grassy leaves, many 2" stary white flowers on 18" stems, very attractive when used in mass plantings.

ANTHERICUM RAMOSUM PRICE 1 @ \$8.00

Tufts of grassy leaves festooned with branching stems of stary white flowers.

ANTHERICUM UNDULATUM PRICE 1 @ \$8.00

Rosettes of long undulate margined leaves and stary white flowers held well above the foliage

ANTHYLLIS MONTANA RUBRA PRICE 1 @ \$6.50

These are exceptionally nice, dense tufts of silky gray leaves and dark red flowers in short spikes, it could easily be mistaken for a choice Astragalus.

ANTHRISCVS SYLVESTRIS 'RAVEN WINGS' PRICE 1 @ \$8.00

Once upon a Chervil dreary, clearly this black Chervil is not dreary, growing at my greenhouse door, wait a minute this Poe stuff has left me weary, I promise no more poetry, nevermore.

ANTIRRHINUM HISPANICUM PRICE 1 @ \$8.00

A cute little perennial snapdragon from Spain it is being investigated for Ribonuclease S-4EC=3.1.27.1 *Alternative name(s):* S4-RNase Styler glycoprotein 4, I have no idea what this does, we recommend growing it for its long blooming display of snapdragons but hey if you want to grind it up and run it through a chromatography column that's cool too.

ANTIRRHINUM MOLLE PRICE 1 @ \$8.00

Dwarf woody bushlet from the Pyrenees, racemes of yellow & white snapdragons.

ANTIRRHINUM PULVERULENTUM PRICE 1 @ \$8.00

Perhaps the best snapdragon for rock gardens, forming mats of grayish leaves smothered in creamy yellow little snapdragons, Mojmir found it at 1500m in Spain, only three seeds germinated but fortunately it is easy to cut, it is perennial but needs to be re-propagated occasionally or you will lose it.

AQUILEGIA

An indispensable but sexually promiscuous genus, (only wild collected material is likely to be pure), with ample material for rock gardens and perennial borders alike, the various species will cross and seed, persisting forever in the garden despite being individually rather short lived. Unfortunately unless some new genetic material is introduced on a regular basis they tend to degrade into ugly mongrel looking things fit more for leaf miners and sawflies than anything else, and rest assured if you grow columbines you are virtually certain to have one or both of these nuisances. A problem easily controlled with Marathon or other systemic insecticide applied prior to their appearance. Alternatively, you can do nothing, because even if plants are defoliated they quickly grow new leaves and are seldom killed. Don't let the bugs dissuade you, if you grow a diverse selection and frequently introduce new blood you will be amply rewarded with a fantastic floral display.

AQUILEGIA CANADENSIS 'CORBETT'PRICE 1 @ \$8.00

Our native eastern species, height is variable ranging from under a foot to nearly 5' in the wild, Corbett is on the shorter end of the range and the typical pendant orange and yellow flowers are all yellow.

AQUILEGIA FRAGRANSPRICE 1 @ \$8.00

Himalayan species; 5cm milky white flowers and a nice scent that's unusual for columbines. Most of these are from Pavelka collections at 3500m near Lahul India.

AQUILEGIA SCHLOCKLEIPRICE 1 @ \$8.00

Bradshaw's collections of this southwestern native, red sepals and a yellow corolla with the spurs fading to orangish, its normally found in moist areas near streams.

AQUILEGIA SCOPULARUM PRICE 1 @ \$8.00

Rivaling Jonesii, with tiny tufts of glaucous foliage and sky blue incredibly long spurred flowers, it's really the showiest of the western ones.

AQUILEGIA ROCKIIPRICE 1 @ \$8.00

A legendary plant, which is hardly surprising, Joseph Rock had a knack for finding great plants. Dig out those old national geographics and check out his adventures, from bandits to bridges worthy of raiders of the lost ark he risked his ass to bring you this.

AQUILEGIA VIRIDIFLORA 'CHOCOLATE SOLDIER'PRICE 1 @ \$6.50

A weird thing from China with nodding flowers, the sepals green, with brownish black petals; 'Chocolate Soldier' is a prime example of attaching a cultivar name to a species, don't be fooled, this does not differ from wild type.

AQUILEGIA VULGARIS 'DOROTHY ROSE'PRICE 1 @ \$6.50

Aquilegia vulgaris 'Dorothy Rose' A spurless double vulgaris type but very different than the Nora Barlow forms. Multiple rose colored tubular florettes make this a favorite of sphinx moths and hummingbirds.

AQUILEGIA VULGARIS 'PLENA MIX'PRICE 1 @ \$8.00

A very unusual group of hybrids this contains several different double versions some with doubled sepals some with doubled petals some with both.

ARABIS ANDROSACEAPRICE 1 @ \$6.50

Enticing tufts of gray hairy leaves, clusters of white flowers on 2" stems; Cilician Taurus Ingwerson considers it choice enough for alpine house treatment however it is perfectly easy and long lived in the open garden.

ARABIS BLEPHEROPHYLLA 'RED SENSATION'PRICE 1 @ \$6.50

A richly colored selection of this Western American cushion, plants tend to be short lived but they propagate easily from seed and cuttings and will often self sow.

ARABIS BRYOIDESPRICE 1 @ \$6.50

Mojmir's collections from Greece near Vermion at 1900m. White hairy cushions that look fantastic if kept dry, flowers are white atop 5-10cm scapes, generally easy but wet sensitive.

ARABIS CAUCASICA FL.PL.PRICE 1 @ \$6.50

Dick rummaged around his garden and came up with a double form that he had grown for years, a classic easy rock plant that I hadn't seen in a while.

ARABIS CAUCASICA VARIEGATAPRICE 1 @ \$6.50

By far the showiest caucasica form that we have ever grown; the foliage is boldly edged in white, never failing to catch a passing eye. It is always in great demand here at the nursery; indeed this is the first year we have had enough excess to list.

ARABIS FERDINANDI-COBURGI 'OLD GOLD'PRICE 1 @ \$6.50

This is the gold variegated version, indestructible as long as you clip out the occasional green reversions, perhaps a bit less commonly seen then the following, despite the fact that we sell tons of it.

ARABIS FERDINANDI-COBURGI VARIEGATAPRICE 1 @ \$6.50

Nice mat, with bold white edged foliage, its a common but indispensable plant that is great for beginners, but is also a permanent fixture in older gardens as well a rock plant that never dies is a bit of a refreshing change.

ARABIS X KELLERIPRICE 1 @ \$6.50

A hybrid between ferdinandi-coburgi and bryoides; cushions of felted ash gray leaves topped with heads of white flowers on short stems; this form came from Siskiyou.

ARABIS X STURIIPRICE 1 @ \$6.50

Similar to Arabis procurrens but more compact, forming a nice tuft of small leaves topped by large white flowers on three-inch stems, its origins are obscure.

ARALIA RACEMOSA PRICE 1 @ \$19.00

A native American woodlander, used for medicinal purposes as well as ornamental it bears umbellets of white flowers in a thryoid panicle atop 3-7' stems followed by impressive clusters of black fruit.

ARCTOSTAPHYLOS SEE SHRUB LISTING

ARENARIA ALFACARENSISPRICE 1 @ \$8.00

Mojmir considers this one of the finest species, a rarely available tetraquetra like plant from the Sierra Segura in Spain at 1800 m, very dense hard cushions and stemless white flowers, this is the first offering I have ever seen of this excellent plant.

ARENARIA BALEARICA PRICE 1 @ \$6.50
The indestructible rock sheeting species from the Balearic Isles, it is tolerant of sun but best in light shade or a cool site. The tiny bright green leaves forming a green film over porous rock, with myriads of small white flowers dancing on thready inch high stems. Keep anything precious a fair distance from its octopus-like undivorceable embrace.

ARENARIA ERINACAE PRICE 1 @ \$8.00
A Spanish species that forms dense prickly cushion bearing typical white flowers on short scapes ex cultivated material from Bradshaw.

ARENARIA MONTANA 'AVALANCHE' PRICE 1 @ \$6.50
A selected strain from Germany it is exceptionally floriferous and compact, a veritable avalanche of white (plant with caution to avoid attracting undue numbers of yeti, although they will take care of your deer problem)

ARENARIA OBTUSILOBA PRICE 1 @ \$8.00
One of the gems, with exceptionally dense mats of needle like foliage and white flowers atop short stems. These are from a Bradshaw collection at nearly 11,000' in Wyoming.

ARENARIA RIGIDA PRICE 1 @ \$8.00
A rarely offered Bulgarian species nice cushions white flowers.

ARENARIA TETRAQUETRA GRANATENSIS 'Ann Leggett Form' 1 @ \$8.00
Marion Jarvie brought us this clone, which is about as tight as I have seen, approaching green rock status.

***ARISAEMA FARGESII** SMALL \$19.00 LARGE \$49.00
Also from Mojmir these are very interesting, sometimes producing a single leaf of Elephant Ear proportions, others send up three leaflets. Much like candidissimum, and some are intermediate with a large central leaflet and two smaller ones at the sides, flowers are brown striped like elephas with a candidissimum spadix. Magnificent, they looked tender as hell to me but Mojmir insists they are hardy for him, and it has been fantastic in Punnett's garden; I'd still plant them deep and near the house.

***ARISAEMA FLAVUM** PRICE 1 @ \$12.00
Himalayan species with deeply divided leaves and a bright yellow spathe and purple spadix, these are easy and more or less hardy, small tubers going on third year (its naturally a small species) but these should flower this year.

***ARISAEMA FLAVUM Hardy Ex Tony** PRICE 1 @ \$15.00
As above but hardier.

ARISARUM VULGARE EX FRANCE PRICE 1 @ \$8.00
A strange little aroid from a genus of only three species, best in the alpine house (it needs to be kept warm and dry during its summer dormancy), with hooded brown spathes and a protruding mouse tail. Definitely cool.

ARISARUM PROBOSCOIDEUM PRICE 1 @ \$8.00
An odd little Spanish Aroid, commonly known as mouse plant, because the protruding spadix resembles the tail of a mouse. Like vulgare it is easy to grow, but needs some protection in the North either heavy mulch or plant near a warm foundation. Both species will fill a pan reasonably quickly and a pot with dozens in bloom is very impressive.

ARMERIA CAESPITOSA (JUNIPERIFOLIA) ALBA PRICE 1 @ \$6.50
Tight cushions of grassy foliage much more compact than Red Fairy, it is one of the best rock garden armerias with white flowers on short scapes.

ARMERIA CAESPITOSA 'RED FAERY' PRICE 1 @ \$6.50
A compact form with red flowers the leaves are long and soft green in color, quite unlike any other Armeria we grow.

ARMERIA MARITIMA 'RUBRIFOLIA' PRICE 1 @ \$6.50
This is one of our better new acquisitions for this year. The dark foliage is reddish purple especially in spring flowers are typical maritima.

ARMERIA 'NIFTY THRIFTY' PRICE 1 @ \$6.50
A very attractive new variegated form with long slender leaves, from a distance the plant has an overall lime green cast, however up close the variegation is quite evident.

ARMERIA 'LITTLE PENNY' PRICE 1 @ \$6.50
A new compact clone nearly as tight as caespitosa but with a different look, the leaves are broader with considerable red tinging in winter.

ARRHENATHERUM ELATIUS SSP. BULBOSUM VARIEGATUM 1 @ \$6.50
A cute little variegated grass; the rhizome has its internodes swollen to form a chain of interconnected 1cm bulblets that are quite unusual for a grass.

ARTEMISIA GLACIALIS PRICE 1 @ \$6.50
Silvery cushions even more condensed than genipii, Farrer liked it (although he preferred chewing on genipii, like coca it provides extra energy at high altitude, genipii must have been good, he raved about it); glacialis is great in a dry sand bed.

ARTEMISIA SCHMIDIANA 'SILVER MOUND' PRICE 1 @ \$8.00
I have seen fields with a half a million or so lined out in neat rows, on that scale, they are spectacular and for groundcovers especially on dry sandy soil, silver mound is great and obviously immensely popular with landscapers. I understand absinthe is legal once again in France, feel free to plant a few silver mounds in celebration.

ARUM

Hey, they're cool (well, actually they are exothermic; the spathes heat up to help attract flies which they trap till the pollen is ripe and then release), and trendy, and very collectable, and besides that most of the flowers smell of dead meat. If you have never grown them, we urge you to try a few. Many of the species produce winter foliage, which looks great in the winter garden a bit further South; here it is usually under the snow however I still admire them as much for their foliage as for their spectacular flowers, not to mention the fantastic clusters of red fruit. A woodland garden without arums is a sad excuse for a woodland garden. What more can I say - you gotta have em all.

ARUM CONCINNATUM PRICE 1 @ \$12.00
Rarely offered similar to italicum, green spathe, club shaped spadix, its native to Crete and the Turkish Islands.

ARUM CRETICUM PRICE 1 @ \$8.00
Sensational yellow arum, seldom offered, we have less than a hundred, dig out your books and find a good photo, we await your money.

ARUM CYRENAICUM PRICE 1 @ \$12.00
Ignore what we said previously, this is a valid name; it is native to the green scrub belt in Cyrenaica, North East Libya.

ARUM CYRENAICUM Arch 195.150 PRICE 1 @ \$19.00
From a Libyan population, large spathes green outside and purplish rose inside with deep purple spadices, best in an alpine house.

ARUM DIOSCORIDIS PRICE 1 @ \$12.00
Dioscoridis is probably my favorite arum, flower color is variable usually greenish or purplish with darker purple blotches and can be spectacular, see the photo in the AGS encyclopedia and be careful not to drool on it if you were too cheap to buy it and borrowed a friends copy.

ARUM DIOSCORIDIS Arch 195.155 PRICE 1 @ \$19.00
From an Archibald collection you can look up the details if you wish, I'm not going to bother (everyone will order it anyway).

ARUM DIOSCORIDIS V. DIOSCORIDIS AGS PRICE 1 @ \$12.00
This is the nominate subspecies from the AGS seedex. This and the above are seeded so multiple clones are available; none have flowered yet so I haven't had a chance to skim the best for myself. If you get a particularly outstanding form, be sure to torture me with a photo.

ARUM DIOSCORIDIS V. PHILISTEUM PRICE 1 @ \$12.00
We got this as Arum dracunculus philisteum, I hate those corrupted names; philisteum is distinguished by its uniform purple spathe.

ARUM DIOSCORIDIS V. SMITHII PRICE 1 @ \$24.00
Smithii is by far the showiest dioscoridis we have grown, incredible shaded and spotted spathes, no two are alike and everyone that has flowered has been fantastic.

ARUM ITALICUM ALBISPATHUM PRICE 1 @ \$12.00
Albispatham was once considered a separate species, but now is lumped into italicum; it is distinct in the garden with its pure white spathe.

ARUM ITALICUM PRICE 1 @ \$6.50
Handsome foliage plant with arrowhead shaped leaves, greenish white spathe, and yellow spadix, with very brilliant red berries in fall.

ARUM ITALICUM MARMORATUM (PICTUM) PRICE 1 @ \$8.00
As above; but the foliage is attractively marbled and streaked silvery white, leaves appear in late summer and are still standing in spring when it flowers.

ARUM ITALICUM 'PEWTER LEAF' PRICE 1 @ \$12.00
Our introduction with leaves heavily overlain with a metallic pattern the foliage is fantastic.

ARUM MACULATUM PRICE 1 @ \$8.00
Similar to italicum, but usually a little smaller, and flowering earlier in spring; the leaves emerge in late fall, spadix usually purple.

ARUM NIGRUM PRICE \$24.00
A glorious species from the Balkans, the exquisite satin purple spathes perfume the garden with the unmistakable aroma of horse dung. In the wild it is largely restricted to a small area in the former Yugoslavia, where it grows on rocky shaded hillsides.

ARUM PALESTINUM PRICE 1 @ \$12.00
Allied to dioscoridis but spathe is uniformly yellow-green without and uniformly rich purple red within with a purplish black spadix. It is Middle Eastern and a bit on the tender side here.

ARUM PETERI (ORIENTALE) YUGOSLAVIA PRICE 1 @ \$12.00
Jim Briggs brought us four of these many years ago, I think they may have originated with Archibalds, we treasured them and we have been slowly building stock ever since. I now have forty to spare, first-come first-served.

ARUM PURPUREOSPETHUM PRICE 1 @ \$8.00
Large species, seldom encountered, leaves emerge in autumn, from Crete and probably fairly tender.

ARUM PURPUREOSPETHUM SSP ANATOLICUM PRICE 1 @ \$8.00
A large form from Turkey with an evil looking dark spathe.

ARUNCUS AETHUSIFOLIUS PRICE 1 @ \$8.00
Native to Japan and Korea, A. aethusifolius is very similar to A. parvulus with wonderful, 1' mounds of finely dissected leaves, topped by short plumes of white flowers. It tolerates everything from pondsides to dry shade and becomes a remarkably tight bun if grown in full sun.

ARUNCUS DIOICUS X SINENSIS ZWEIWELTENKIND PRICE 1 @ \$8.00
Goatsbeards are much like big white Astilbe. They will tolerate more sun and dry than most Astilbe. Very popular they are easy to work into garden designs. This blooms later than dioicus, with brownish new growth; taxonomically confused.

ARUNDO DONAX 'VARIEGATA' PRICE 1 @ \$15.00
This is a grass and a half, in its native haunts in Southern Europe it can reach 6 meters in height here it doesn't get quite that big especially in its variegated forms but still achieves a Bamboo like stature.

EASTERN AMERICAN ASARUM **SEE WILDFLOWER SECTION**
ASARUM DELAVAYI PRICE 1 @ \$24.00
A vigorous species with thin rhizomes, which make large leaves, typically 15-20cm long. These are perfectly heart-shaped and are variously clouded with white and pale green. The flowers are large, 8cm is typical, with the knobby, crinkled petals looking as if they have been carved out of ebony burl. The central white patch itself has a black eye. Bizarrely beautiful.

ASARUM SP AFF MAGNIFICUM PRICE 1 @ \$24.00
Perhaps the largest flowered of all the gingers, magnificum is a bit like maximum with huge eyed flowers but with more speckling and texture than maximum, a spectacular plant, it is a cold greenhouse specimen here.

ASARUM MAXIMUM PANDA PRICE 1 @ \$24.00
I hand pollinated a few flowers a couple years ago from a particularly good form with well marked leaves and non-muddy flowers. To my surprise they actually set seed, better still they came up, spending a full year in the seed pot before we dared pot them out. They have grown into neat little plants with widely variable leaf markings.

ASARUM SPLENDENS EX WILD CHINA PRICE 1 @ \$15.00
One of the larger flowered Chinese species and one of the easiest, this may or may not be conspecific with Asarum magnificum. The taxonomy is confused with many Chinese imports appearing under a variety of names. We fear it may be a while before everything is properly sorted out in the meantime enjoy the plants and don't get too freaked about the names.

ASCLEPIAS HALLII PRICE 1 @ \$8.00
A large western milkweed Bradshaw collected at 7800' in Colorado, umbels of up to 60 flowers typically purplish pink with a creamy corona.

ASCLEPIAS INCARNATA 'ICE BALLET' PRICE 1 @ \$8.00
Fascinatingly different new German strain with waxy white umbels, splendid cut; at one time Herb Wagner found a white form of *Asclepias tuberosa* which would have been interesting in a cross with this, sadly he died before showing me the location.
Ray.

ASCLEPIAS VERTILLARA PRICE 1 @ \$8.00
The foliage is similar to *tuberosa* but finer and the flowers are creamy not orange, very xeric adapted. Monarch's like it.

ASPERULA

A sizeable genus in the Rubiaceae, the name refers to the rough bedstraw like stems, containing some of the finest cushion plants known to man. Long cultivated for the fantastic cushions smothered in long tubed pink flowers. We offer a fair selection and trust me on this you want them all, and with the exception of the furry ones they are rather easy plants in the open garden.

ASPERULA BOISIERI PRICE 1 @ \$8.00
Native to alpine regions of southern Greece, *boisieri* is an incredible thing, mats of bluish-gray-green foliage to 30cm across, clusters of sugar pink flowers, according to the AGS Encyclopedia all attempts at cultivation have been unsuccessful, hey ours aren't dead... yet.

ASPERULA GUSSONII PRICE 1 @ \$8.00
A spectacular cushion plant that ranks with the best; myriad's of long-tubed pink flowers cover the perfectly formed hard dome-like cushions. An outstanding plant!

ASPERULA NITIDA SSP HIRTELLA PRICE 1 @ \$8.00
Platek collection from Sultan Dag at 2100m, glabrous cushions of dark green foliage, sessile clusters of long tubed rosy pink flowers, ya can't have too many *Asperulas*

ASPERULA NITIDA SSP. NITIDA PRICE 1 @ \$8.00
A first class cushion plant, similar to *gussonii* from the Bithynian Olympus, where it forms close mats of tangled leaves often obscured by the multitudes of pink flowers.

ASPERULA NITIDA SSP. SUBCAPITELLATA PRICE 1 @ \$8.00
A beautiful alpine species with long tubed rose flowers and dark green mats of foliage, Ota Vlasak collected it from a limestone scree on Ilgar Dag back in 1997.

ASPERULA ORIENTALIS PRICE 1 @ \$8.00
These date from a 1999 Archibald collection. This has kicked around the nursery for quite a while and we finally managed to propagate some.

ASPERULA PONTICA PRICE 1 @ \$8.00
Similar to *gussonii* but more mat forming than domed, very floriferous with good long tubed pink flowers, definitely not a weed.

ASPERULA SINTENSIS 61 CLONE 2 PRICE 1 @ \$8.00
I really should name it with some cutesy name, it's certainly deserving of something better than clone 2, it is very compact, slow growing and tight. Collected on rocky limestone slopes by Mojmir Pavelka near Kaz Dag, Turkey at 1,600m

ASPERULA SUAVIS PRICE 1 @ \$8.00
Grown from Josef Jurasek's seed banked material from an old Turkish collection that germinated very well. I don't have data but *suavis* is a rare Turkish endemic that grows in the Black Sea coastal regions, forget about checking your garden books for this one, its an almost unheard of rarity.

ASPERULA SUBEROSA PRICE 1 @ \$8.00
The finest *Asperula* we grow, fuzzy mats and very long-tubed pink flowers, worth any effort to please. They detest wet and overwatering, not for beginners, don't even think of calling after it dies and asking for a replacement.

ASPHODELINE LUTEA PRICE 1 @ \$8.00
Kings Spear, lily family; dense 3' racemes of fragrant yellow flowers in May.

ASPHODELUS AESTIVAS (MICROCARPUS) PRICE 1 @ \$15.00
Probably the showiest sp., spikes of white flowers with a central vein 4cm across.

ASPHODELUS RAMOSUS PRICE 1 @ \$15.00
Rosettes of grass-like foliage, evergreen in mild areas; 4' spikes of white flowers.

ASTER ALPINUS 'PINKIE' PRICE 1 @ \$8.00

ASTER DIVERCATUS 'EASTERN STAR' PRICE 1 @ \$8.00
A white flowered woodland aster with attractive dark mahogany stems and a compact habit, profuse yellow centered white stary flowers from late summer to early fall.

ASTER DUMOSUS (NOVAE-BELGII) 'WOOD'S PURPLE' PRICE 1 @ \$8.00
A lovely compact clone with abundant large purple flowers in late summer. We were very impressed by its neat dwarf habit prolific bloom and excellent rust and mildew resistance.

ASTER FARRERI PRICE 1 @ \$8.00
Named for the Master a legendary plant no real rock gardener would want to be without. I'm not a big Aster fan but I'll find room for a few of these.

ASTER LICHENGENSIS PRICE 1 @ \$8.00
Also known as *Aster asteroids*, which seem a bit redundant, 15cm high with 5cm mauve purple flowers in early summer native from southeastern Tibet to Western China.

ASTER NOVAE-ANGLIAE ALMA POTSCHKE PRICE 1 @ \$8.00
The best of the tall pink flowered hybrids, fluorescent pink flowers in great abundance.

ASTER NOVAE-ANGLIAE 'HELLA LACY' PRICE 1 @ \$8.00
Very free blooming with violet purple flowers in late summer on 40" stems, this one is a classic.

ASTER PATENS PRICE 1 @ \$8.00
Native to the southeastern us blooming in late summer and autumn with panicles of blue daisies atop 1.5m stems

ASTER STRACHEYI PRICE 1 @ \$8.00
In my opinion the best of the himalayan asters, it produces multitudes of purple daisies in compact attractive plants, it has been harder to come by in recent years and we are excited to be able to once again offer it.

ASTER 'TINY TOT' PRICE 1 @ \$8.00
Nova belgii x nova angliae, 'Tiny Tot' is one of the smallest hybrids remaining under 6" tall and covering itself in late summer and fall with masses of bright purplish flowers.

ASTILBE: GARDEN HYBRIDS & SPECIES

We offer the following species & garden hybrids, including some of the finest from Germany; most are of somewhat complex parentage. They form the backbone of many shady summer gardens and look best when planted en-masse.

ASTILBE X ARDENSII 'BRIDAL VEIL' PRICE 1 @ \$15.00
Still considered one of the very best white varieties, it is our most popular white cultivar.

ASTILBE X ARDENSII 'MAGGIE DALEY' PRICE 1 @ \$15.00
28" tall, mid summer flowering with dense rosy purple spikes of flowers.

ASTILBE X ARDENSII 'SNOWDRIFT' PRICE 1 @ \$15.00
A Blooms of Bressingham hybrid, with clear white flowers on 22" stems.

ASTILBE X ARDENSII 'STRAUSSENFEDER' PRICE 1 @ \$15.00
Huge open arching plumes of coral rose it is also known as ostrich plume and is quite unlike any other *Astilbe*, it is outstanding either as an isolated specimen or planted in drifts.

ASTILBE CHINENSIS DAVIDII PRICE 1 @ \$8.00
The antithesis of *pumila* these can send their spires to 6', imposing indeed.

ASTILBE CHINENSIS PUMILA PRICE 1 @ \$8.00
An older cultivar but still one of the best dwarfs, forming a dense ground cover with short spikes of pink flowers tolerates summer drought and sun quite well.

ASTILBE CHINENSIS 'VISION' PRICE 1 @ \$15.00
15" tall, fragrant raspberry-red spikes of flowers above bronze-green leaves.

ASTILBE MYRIANTHA PRICE 1 @ \$15.00
A white flowered eastern American species, attractive enough in a native woodland setting it should interest the "native only" crowd

Astilbe simplicifolia 'Hennie Graafland' PRICE 1 @ \$15.00
Delicate pink flowers, its habit is more erect and it's a better grower than 'Sprite'.

ASTILBE SIMPLICIFOLIA 'INSHRIACH PINK' PRICE 1 @ \$8.00
A nice dwarf species, everyone is offering 'Sprite', we tried to show a little more imagination and bring you the exquisite *Inshriach* form. Every bit as nice as 'Sprite' and not nearly so commonplace, both take a while to establish well.

ASTILBE SIMPLICIFOLIA 'JACQUELINE' PRICE 1 @ \$8.00
Tall for a *simplicifolia*, sending airy pink plumes to 28" above the deep green foliage.

ASTILBE THUNBERGII 'MORHEIMS GLORY' PRICE 1 @ \$15.00
A late flowering hybrid with light pink arching plumes that wave 80" in the air.

AUBRIETA 'VARIEGATA' PRICE 1 @ \$6.50
A nice variegated *Aubretia* with good clean variegation. I like it a lot and generally, I am not impressed with *Aubretia*.

AUBRIETA CANESCENS SSP. CANESCENS PRICE 1 @ \$6.50
Ota Vlasak collections from the limestones of Kipe Dag, mats of silvery rosettes and violet flowers on 5-15cm stems.

AUBRIETA PINARDII 65 PRICE 1 @ \$6.50
Platek collected this gem from limestone screes on Ala Dag at 2200m; small mats of grey green pubescent leaves and purple flowers on 5-7cm scapes.

AURINIA RUPESTRIS SSP. CYCLOCARPA PRICE 1 @ \$6.50
Mojmir collected this neat little white flowered crucifer from alpine meadows on Bolker Dag at 2500m where it forms dense cushions of linear silvery leaves; scapes rise 5-15cm above the foliage and bear several white *Alyssum* like flowers.

BAMBOO

Problems with the neighbors, plant a row of yellow groove on your property line, it makes a great living fence, which will eventually eat half your neighbors yard. I think bamboos are best appreciated as large clumps viewed from a distance, the bad news is that unless you take drastic measures it will eat your garden as well, spoiling the whole distant panorama thing. You should also know that Roundup will not stop the creeping attack. The following are from Punnett minus their Latin names, searching for tags was deemed futile. It takes them a while to become established but do not be deceived, they are merely lurking and storing energy for the inevitable big run.

FARGESIA ROBUSTA 'GREEN SCREEN' PRICE 1 @ \$24.00
A clumping bamboo taller and more upright than *Fargesia nitida*, it is quite sun tolerant but some afternoon shade is still preferred.

FARGESIA SCABRIDA 'ASIAN WONDER' PRICE 1 @ \$24.00
A new introduction from China, this is a non invasive clumper growing up to 4 meters tall with one inch culms and hardness to -20c. It is best in shade to part shade. It is also one of the food species for the Giant Panda.

PHYLLOSTACHYS AUREOSULCATA 'YELLOW GROOVE' PRICE 1 @ \$19.00
The nomenclature for bamboo is all messed up. This is a big 8 meters, winter hardy species surviving -35c that will invade your entire garden and crack its way through solid concrete to enter your basement; stunning plant but very aggressive and difficult to eradicate, confine the roots in a strong container, plastic garbage cans don't work.

PLEIOBLASTUS ARGENTIOSTRATA PRICE 1 @ \$12.00
This is a nice boldly variegated plant; much more compact than the yellow dwarf, indeed the habit is almost tufted. Dick brought us this years ago (the tag had long since vanished). We have struggled to produce commercial quantities. Still it is a bamboo and prudent caution is advised, in some settings it may become weedy.

PLEIOBLASTUS PYGMAEA PRICE 1 @ \$12.00
green dwarf ex *krossa* garden

PLEIOBLASTUS VIRIDISTRATUS PRICE 1 @ \$12.00
Dwarf bamboo that runs, but is not as big a menace, caution is still advised.

BAPTISIA BRACTEATA (LEUCOPHAEA) PRICE - \$8.00
White flowered and fairly dwarf, this only reaches 70cm or so, and is native to the Eastern U.S.

BEESIA DELTOPHYLLA DJHC98447 PRICE 1@ \$19.00

Collected by Hinkley from the Sichuan Province of China, this glossy groundcover produces heart-shaped, purple-tinged evergreen leaves that form dense rosettes up to 12 inches across. Spires of white flowers rise up to 20 inches

BEGONIA GRANDIS (EVANSIANA) PRICE 1@ \$8.00

A unique and very hardy species with succulent stems to 18", often spreading by means of stem bulbils. Ours are predominately pink with a few whites, grandis is a tuberous species native to China and garden visitors are always amazed that it is actually hardy with no protection.

BEGONIA GRANDIS ALBA PRICE 1@ \$8.00

A white selection from Siskiyou, this has been a good grower dropping lots of bulblets.

BEGONIA SUTHERLANDII PRICE 1@ \$8.00

Tangerine orange flowers produced all summer, a bulbous tender South African species - very attractive little plant.

BELLAMCANDA CHINENSIS PRICE 1@ \$8.00

Blackberry Lily derives its name from the clusters of shiny black seeds exposed when seed capsules split open. . this orange flowered irid features fan-shaped leaves will reach 2 to 3 feet. Blackberry Lilies are native to China and Japan.

BELLIS PERENNIS 'DRESDEN CHINA' PRICE 1@ \$6.50

Fully double quilled light pink flowers this is considered the best pink form winning the rhs award of merit.

BELLIS PERENNIS 'ROB ROY' PRICE 1@ \$6.50

By far the best Bellis in my estimation, lovely double crimson flowers. It must be divided at least every other year or you will lose it.

BELLIS PERENNIS RAKESTRAW'S GHOST ('ROB ROY' ALBA) PRICE - \$ 6.50

This is a pure white sport of Rob Roy, a plant Jim Briggs purchased from Rakestraws Nursery many years ago. Indeed Rakestraws was the nursery that got Jim and I suspect a lot of others started in rock gardening. A cool little plant in remembrance of a cool little nursery, Even if you aren't old enough to remember Rakestraws you will love this.

BELLIUM MINUTUM PRICE 1@ \$6.50

A tiny white flowered daisy native to the Mediterranean regions, the form that we grow seems to be reliably perennial, and is small enough for a trough.

BERGERANTHUS ARTUS PRICE 1@ \$8.00

Distinguished by the acutely carinate lower leaf surfaces and yellowish red flowers that open in the afternoon, it is great in mixed succulent troughs.

BERGERANTHUS JAMESII PRICE 1@ \$8.00

Crack filler for the Denver sidewalks, dense tufts of succulent narrow leaves and yellow mesemb flowers from spring until frost. Hey if you have crack problems this may be just the thing (non-smokable, but highly ornamental, it doesn't encourage drive-bys).

BESCHORNERIA 'DING DONG' PRICE 1@ \$19.00

Tony's selection, (are ho ho's and Twinkies next) of false red Agave, seven foot phallic stalks open to multitudes of pendant red and green bell shaped flowers, it's hardy at Plant Delights, I'm guessing not so here.

BISCUTELLA LAEVIGATA PRICE 1@ \$6.50

Biscutella laevigata L. (*Brassicaceae*), a rare perennial metallophyte plant species known mainly from Central and Southern Europe, has a very restricted distribution in Poland. One known Polish lowland location of *B. laevigata* on zinc dumps near Olkusz, Upper Silesia. The mechanisms of plant adaptation to a hostile environment, rich in heavy metals is being actively studied.

BLETILLA STRIATA PRICE 1@ \$12.00

A wonderful bulbous terrestrial orchid that is native from Japan through China to Tibet. Flowers resemble a purple Cymbidium; it is hardy with protection here.

BLETILLA STRIATA ALBA PRICE 1@ \$12.00

As above but white, both are container grown and at or near flowering size.

BORNUELLERA TYMPHAEA PRICE 1@ \$6.50

Woody based suffruticose crucifer with silky hairy narrow leaves and 10-15cm scapes of white flowers, Pavelka collected it at 1,700m from the rocky slopes of the Pindos Mts. in Greece.

BRUNNERA MACROPHYLLA PRICE 1@ \$8.00

Big green phyllas, obscured in spring by clouds of intensely blue Forget-Me-Not flowers, it may not be as showy as the variegated forms but at least you don't have the hassle of cutting out reversions, and big drifts of it are spectacular.

BRUNNERA MACROPHYLLA 'LANGTREES' PRICE 1@ \$15.00

Green leaves with a row of silver dots just in from the leaf margins, obscured in spring by clouds of intensely blue Forget-Me-Not flowers it is quietly charming.

BRUNNERA MACROPHYLLA 'LOOKING GLASS' PRICE 1@ \$15.00

Similar to Jack Frost but with even better silver it is outstanding and may eventually surpass Jack Frost in popularity.

CACALIA HASTATA VARIEGATA PRICE - \$ 19.00

A tall, boldly textured perennial with handsome foliage, bordered white with some gray and gray green accents. Grows to about 3 feet tall, with airy panicles of small white flowers in summer.

CALAMAGROSTIS X ACUTIFLORA 'KARL FOERSTER' PRICE 1@ \$12.00

Looks great combined with Miscanthus, it's one of the most attractive large grasses.

CALAMINTHA GRANDIFLORA VARIEGATA PRICE 1@ \$6.50

This is one of the most commented on variegated plants here at the nursery. Somewhat fuzzy aromatic leaves; heavily speckled mint green and white, and large showy pinkish purple flowers.

CALLIHOE INVOLUCRATA 'BUFFALO ROSE' PRICE 1@ \$8.00

An outstanding decumbent mallow, trailing from a central rootstock stems snake for several feet through the garden sending up a continuous parade very showy of magenta flowers, we've had a hell of a time convincing some of our botanically challenged customers that it wasn't some sort of geranium. As to the 'Buffalo Rose' thing I don't see much difference from the straight species.

CALTHA PALUSTRIS V POLYPETALA OF GARDENS PRICE 1@ \$19.00

Marsh Marigolds are perfect for a wet spot or the bank of a garden stream; Caltha will even grow in standing water. It forms large clumps of glossy leaves, which are obscured in spring by the myriads of 2" shining yellow buttercup flowers that scream for a macro lens. I put one in a pond made from a sunken bathtub and over the years, it has filled the tub displacing everything. Viewed from a distance in this dry rock garden setting it is a startling sight, an Adonis gone mad. Variety polypetala is not double but much larger flowered than the regular wildtype.

CAMPANULA

Campanulas are a major element in the summer garden; the genus displays great diversity in size and form providing everything from tiny trough species to huge gaudy border perennials. Admittedly the color range isn't much, most are blue with the attendant albino versions, and what passes for pink or yellow is pretty pathetic, still how can you go wrong with blues and purples, at their best they rival the finest Gentians in terms of color. Most are easy and free blooming, producing a spectacular display in the garden. For the rock gardener there are species that will test the patience of even the most skillful grower. Campanulas are an indispensable group of plants that can keep your interest for years; for as long as I have known her Betty Blake has been busy growing every species Crook lists, not to mention all the new ones. The list below should give you a fair start on her quest.

CAMPANULA 'BLUE GOWN'PRICE 1@ \$8.00

Starry blue flowers with a white center, gray-green leaves, its still rather new for us but seems to be a solid performer.

CAMPANULA 'HILLTOP SNOW'PRICE 1@ \$8.00

Tight mounds of toothed foliage topped by an abundance of white flowers that are produced over an extended season we think quite highly of this promising new hybrid from Graham Nichols.

CAMPANULA ALLIARIIFOLIA DWARFPRICE 1@ \$8.00

Graceful arching stems with long white bells, hanging pendulous from their lower side, this is a rarely seen dwarf form that we are much taken with.

CAMPANULA ALLIARIIFOLIA MINORPRICE 1@ \$8.00

From a 2004 wild collection courtesy of Mojmir from the central Caucasus in Russia at 1500m. He describes the flower color as yellowish but I suspect creamy white is more like it. Plants are only 10-20cm tall.

CAMPANULA ANOMALAPRICE 1@ \$8.00

An attractive plant related to *C. bellidifolia* with tufted cushions of hairy leaves topped with solitary dark violet blue flowers on short stems, collected by Mojmir Pavelka from limestones in the West Caucasus at 2400m.

CAMPANULA CARPATICA 'GRAHAM GIANT'PRICE 1@ \$8.00

Truth to tell, I'm not a big fan of *carpatica*, it wouldn't break my heart if I never see another plant of 'Blue Clips'. 'Graham Giant' is another matter however; flowers are huge and upward facing, (they caught Fred Case's eye from halfway across the greenhouse). A compact seedling selected by Rick Lupp, it seems not to be half annual. I just hope it doesn't turn ugly as it gets old, young plants are cute as hell.

CAMPANULA CARPATICA V. TURBINATAPRICE 1@ \$8.00

A charming plant quite unlike the nearly annual bedding plants *carpatica* that are too often seen, *turbinata* is much more delicate and refined.

CAMPANULA COCHLEARIFOLIA 'ELIZABETH OLIVER'PRICE 1@ \$8.00

Outstanding named selection of *cochlearifolia* double flowered and compact, beautiful running around in a scree, a must for any Campanula lover.

CAMPANULA COCHLEARIFOLIA 'MIRANDA'PRICE 1@ \$8.00

Once thought lost to cultivation Farrer's Miranda is a treasure, "prodigiously free in growth... comely pale bells... in taller spraying showers... from summer right away till autumn." Farrer who knew *cochlearifolia* as *bellaridii* considered Miranda one of the greatest rock garden plants and who am I to disagree.

CAMPANULA COCHLEARIFOLIA 'R.B. LODER'PRICE 1@ \$8.00

Alluring fully double very pale blue flowers that age to pure white, this blooms a couple weeks later than 'Elizabeth Oliver' it rates very high with us.

CAMPANULA FENESTRELLATAPRICE 1@ \$8.00

Mojmir's collections from limestone rock crevices near Biokovo Croatia at 1500m of this outstanding Campanula; in this population, flowers are a beautiful starry light blue with some whites. Plants are similar to *garganica* but with more pubescent leaves.

CAMPANULA GARGANICA 'DICKSON'S GOLD'PRICE 1@ \$8.00

An easy but prized rock garden ornament, neat mounds of foliage that plays tightly along the rockwork like suckers on an octopus, topped with expanded blue starfish flowers, produced all summer; Farrer in aquatic mode. The gold form is similar to *portenschlagiana aurea*, I can only tell them apart if they are sitting side by side.

CAMPANULA GLOMERATA 'JOAN ELLIOT'PRICE 1@ \$8.00

Brigitta's original strain rescued during the crazy times, we finally have enough excess to catalog. I've seen several plants under this name and this is by far the best, it runs like mad but blooms for months and the flower heads are huge. Friends will beg enough plants to keep it in check.

CAMPANULA HAWKINSIANAPRICE 1@ \$8.00

A rare and beautiful Greek species that maintains a tenuous foothold in cultivation, its native to serpentine scree in Greece and has a reputation for collapsing without warning, however it is not generally monocarpic; always coveted by those who can grow it for the wide open dark blue bells veined with yet a deeper color. Farrer calls it a species of incomparable beauty "Floats out a cloud of 12-18" stems, airy and almost naked but for a few minute narrow leaves, each carrying at the end a single flower, large and rich and wide, of the most refulgent purple".

CAMPANULA HAYLODGENSIS 'MARION FISHER'PRICE 1@ \$8.00

A cross between *carpatica* and *cochlearifolia* this is actually a seedling of 'Warley White "with masses of fully double pure white flowers. It's one of the best small Campanulas and an excellent choice for trough culture.

CAMPANULA X HAYLODGENSIS 'WARLEY BLUE'PRICE 1@ \$8.00

A very free flowering double, this is neat in a pot with a lot of cute appeal. Brigitta found it at a local discount retailer, an unlikely location for such a rare and beautiful plant.

CAMPANULA INCURVAPRICE 1@ \$8.00

Native to Mt Olympus and other rocky places in southern Greece *incurva* is an extremely showy plant with absolutely huge bells, considered by some to be the most spectacular of all Campanulas it sadly is monocarpic but produces tons of seed and should seed around if happy'

CAMPANULA JUSTINIANA PRICE 1@ \$12.00
4-8" from Croatia where it is endemic; yes there is more but I can't find the note, but hey it's almost sure to be blue, I'm sure you can well imagine the glowing terms I'd use to describe it if only I knew where my notes were.

CAMPANULA PERSICIFOLIA 'GAWEN' PRICE 1@ \$8.00
A semi double with huge pure white cup and saucer flowers on compact sturdy plants it was thought lost from cultivation until rediscovered in an abandoned Derbyshire garden.

CAMPANULA PERSICIFOLIA 'LA BELLE' PRICE 1@ \$8.00
A multi-petal double form, the blue rosebud flowers open wide to show prominent white stamens. 'La Belle' is an excellent border perennial and seemingly indistinguishable from *Campanula persicifolia* 'Flora Plena', Dutch marketing at its most insidious.

CAMPANULA PORTENSCHLAGIANA AUREA PRICE 1@ \$8.00
A gold form that doesn't appear frail; condensed tufts of golden leaves contrast nicely with the blue flowers, all in all it's a very nice plant.

CAMPANULA PORTENSCHLAGIANA 'RESHOLTS' PRICE 1@ \$8.00
A vigorous growing clone, possibly of hybrid origin, with larger flowers than the species, color is an attractive shade of deep purplish blue.

CAMPANULA POSCHARSKYANA PRICE 1@ \$8.00
A beautiful Dalmatian plant, with stary open flowers, imagine garganica on Blousant, bigger, firmer, fuller, all natural with no silicone it does tend to run around a bit but can easily be whipped into shape.

CAMPANULA PRENANTHOIDES PRICE 1@ \$8.00
A rarely offered species from the West Coast, plants are upright to 75cm. its attractive enough, a bit reminiscent of *C. americana*.

CAMPANULA PRIMULIFOLIA PRICE 1@ \$8.00
An upright *Campanula* native to Spain and Portugal it is shade tolerant and rather easy with showy flat flowers in mid summer.

CAMPANULA PUNCTATA 'LITTLE PUNKY' PRICE 1@ \$8.00
A compact dwarf form with long pink bells, heavily spotted on the inside with red, it is extremely cute.

CAMPANULA PUNCTATA NANA LT. PINK PRICE 1@ \$8.00
Huge pink speckled bells on compact plants; Brigitta picked this as the best pink.

CAMPANULA PUNCTATA 'PLUM WINE' PRICE 1@ \$8.00
A Japanese plant with long light pink bells above foliage that are reddish plum in winter and silvery green veined in red in summer.

CAMPANULA PUNCTATA RUBRIFLORA PRICE 1@ \$8.00
A rich colored selection that we got from Sunny Border.

CAMPANULA PUNCTATA HYB 'SERASTRO' PRICE 1@ \$8.00
Long bells of the deepest royal purple 'Serastro' is named for the priest in Mozart's Magic Flute it is sterile and almost everblooming.

CAMPANULA PUNCTATA HYB 'STEVIE RAY' PRICE 1@ \$8.00
By far the best of the blues, this arose as a spontaneous seedling here at Arrowhead, it appears to be a hybrid with *Campanula latifolia* *macrantha*, with huge pendant sky blue bells, (this is the largest flowered *Campanula* we grow) foliage is punctata-like but the plant is not much of a runner.

CAMPANULA PUNCTATA 'WEDDING BELLS' PRICE 1@ \$8.00
With a quick running punctata habit 'Wedding Bells' features long elegant white hose in hose flowers speckled inside with pink, its a must have *campanula* for the mid border.

CAMPANULA PYRAMIDALIS PRICE 1@ \$8.00
Chimney bellflower; grown as a conservatory plant in Victorian times, under ideal conditions it can reach 16' tall, and no that is not a typo.

CAMPANULA SAMARKANDENSIS PRICE 1@ \$8.00
I'm not sure where we got this although it seems to me Halda offered it years ago, literature is thin, however there are a couple of excellent photos on Japanese web sites. I wish I read Japanese. Sprawling mats with numerous long pendant blue-purple bells.

CAMPANULA SARTORI PRICE 1@ \$8.00
A beautiful little Greek species perfect for a trough it tends to be monocarpic but will seed around in a trough it is sometimes confused with *C. calaminthifolia*

CAMPANULA TAKESIMANA 'BEAUTIFUL TRUST' PRICE 1@ \$8.00
You know we like our plants strange and this surely is; it appears to be a chance hybrid between *Michauxia* and *Campanula takesimana*. It originated in South Korea and is named for the daughter of Song Kihun from the Chollipo Arboretum (the name loses something in the translation). The corolla is split *Michauxia* fashion and reflexed but not to the extent you see in *Michauxia*. We anxiously await the first *Campanula zoyssii* x *Michauxia* cross, its time for all the amateur plant breeders to abandon their *Hostas* and *Daylilies* and get their brushes ready, a flood of possibilities awaits.

CAMPANULA TRACHELIUM 'BERNICE' PRICE 1@ \$8.00
Beautiful double flaring stary bells, in general I would not give *trachelium* garden space however *Bernice* is the exception.

CAMPANULA TROGERAE PRICE 1@ \$8.00
Similar to *Choruhensis* this is essentially a flat flowered grey leafed form of *betulifolia* it is difficult and temperamental and exquisite if well grown.

CAMPANULA VERSICOLOR PRICE 1@ \$8.00
Collected on rocky limestone slopes at 2000m in Macedonia this is a glabrous perennial with pink to pale blue spicily fragrant flowers with a dark purple center, a very showy plant indeed. It is considered by many to be a microform of *Campanula pyramidalis*.

CAMPANULA X PULLOIDES (CARPATICA X PULLA) PRICE 1@ \$8.00
The grex is (*carpatica turbinata* x *pulla*) *pulloides* resembles the latter with its running habit and deep flower color flowers are pendant like *pulla* but larger with a slightly crinkled blowsy appearance on 15cm stems

CANNA BENGAL TIGER PRICE 1@ \$15.00
A cool *Canna* with tricolor striped foliage; likes it wet and can be grown in a pond.

CANNA INDICA Ex Berlin Bot. Garden Ex Jamaica300m PRICE 1@ \$15.00
Tropical and fairly dwarf, great if you like that sort of thing.

CANNA 'TROPICANNA' PRICE 1@ \$15.00
A big gaudy thing with tricolor foliage and flaming flowers, great as a tub plant on the patio.

CARDAMINE X MAXIMA PRICE 1@ \$12.00
Originally from Pam Harper *Cardamine x maxima* is a cross between *Cardamine diphyllo* and *Cardamine concatenata*, it resembles a more robust *Cardamine diphyllo*, with white *Dentaria* like flowers on 8" stems. This Eastern American woodlander goes summer dormant if it dries out only to reappear early the following spring.

CARDAMINE TRIFOLIA PRICE 1@ \$12.00
A well known European species with attractive purple backed leaves and white or pink cruciform flowers in early spring from creeping rhizomes. This is a charming plant for moist woodland settings (Hinkley considers it one of the finest woodland perennials) it has not been a weed for us although it will creep to form nice mats.

CAREX BERGGRENII PRICE 1@ \$8.00
A compact bronze foliated *Carex*, it is tolerant of moist soils in full sun or light shade.

CAREX BUCHANII PRICE 1@ \$8.00
The dead sedge- this thing is so brown that people ask if it is alive but it just keeps on truckin', I've come to really like it; planted en masse in the landscape the effect is stunning. Much harder than often reported it winters in Michigan, zone 7 or 8 is just hell in a bucket.

CAREX CARYOPHYLLA 'BEATLEMANIA' PRICE 1@ \$8.00
This forms 6" high clumps of gold edged leaves forming a mop headed clump up to two foot wide courtesy of Pierre at Sunny Border, love his gift boxes, always some treasures.

CAREX CARYOPHYLLA 'THE BEATLES' PRICE 1@ \$8.00
A compact green plant with curled leaves another from Sunny Border.

CAREX DEMISSA PRICE 1@ \$8.00
A short little sedge, I'm sure Tony Rezneczek loves it, and after all he is the best botanist I know (rumored to be able to sight ID every described *Carex*), and a fantastic gardener, who am I to argue, still, I can't find all that much to love.

CAREX ELATA 'BOWLES GOLDEN' PRICE 1@ \$12.00
A beautiful golden sedge, when grown well it is unbeatable however we find it is a bit on the fussy side, if it sulks try moving it to a different spot, eventually you will get it right.

CAREX MUSKINGUMENSIS 'ICE FOUNTAINS' PRICE 1@ \$8.00
A barely variegated form of *muskingumensis* Ice Fountains appears dazzling, with wispy leaves reaching 3 foot into the air and shimmering on every breeze, a most ornamental *Carex* and better still, it's easily identifiable on sight.

CAREX NIGRA VARIEGATA PRICE 1@ \$8.00
A medium sized variegated plant, its slow we got this back in '99 from Baldassare and are just now listing it for the first time.

CAREX OSHIMENSIS 'EVERGOLD' PRICE 1@ \$12.00
We are excited to offer this exciting *Carex*, leaves are bright golden yellow with fine green margins and the color holds throughout the season.

CAREX SIDEROSTICATA VARIEGATA PRICE 1@ \$8.00
Dick brought us a piece of this a few years back and we have been slowly building up stock, at last we have enough, wide leaved with white variegation, it's very different from any other sedge we grow.

CARNEGIA GIGANTEA PRICE 1@ \$8.00
Ender thought we needed some big cactus, hell everyone needs a big spiny phallic symbol. Eventually they will get big enough for Harris Hawks to nest in, these are seed raised from an Alan Bradshaw collection.

CENTAUREA BEBEAUXII SSP. NEMORALIS PRICE 1@ \$8.00
The name sounded like it might have snob appeal, which is the only reason I grew it.

CENTAUREA BELLA PRICE 1@ \$8.00
Bella is a small form of the Turkish *simplicicaulis* with rose flowers and attractive tufts of foliage heavily white felted beneath.

CENTAUREA JACAEA PRICE 1@ \$8.00
Native to dry meadows and open woods in Europe, this is a rather attractive *knappweed*. It is now a well established part of the U. S. flora .

CENTAUREA MONTANA ALBA PRICE 1@ \$8.00
The seldom available and very beautiful white form. We are excited to finally have enough of these to offer; get em now, we may not have enough to list next year.

CENTAUREA MONTANA 'PRESLEY'S BLUE HAWAII' PRICE 1@ \$8.00
Selected by Brigitta over the years, this almost everblooming strain was named before Brigitta Presley became Brigitta Stewart. It is the king of the comflowers and an Arrowhead exclusive. (Yes we are not above cashing in on the Elvis craze), but the plants really are nice.

CENTAUREA PSEUDOPHYRGIA WILD MT. PATSCHERKOFE PRICE 1@ \$8.00
Jacques brought us this a several of years ago, he claims no memory of the event but the database knows, it kicked around for the longest time, almost making the compost pile during one of Brigitta's cleanups, I rescued it and propagated it.

CENTAUREA RUTHENICA PRICE 1@ \$8.00
Native to the Transylvanian Alps, *ruthenica* has narrow dark green foliage and large sulfur yellow pom-pom flowers atop 120cm stems. It is a most impressive plant for the back of the border perhaps as a backdrop for *Centaurea montana*.

CENTAURIUM SCILLOIDES PRICE 1@ \$6.50
Native to coastal Arctic Europe This looks just like *chloodes* with similar small cushions of thready stemmed *Gentian* foliage, nearly hidden most of the time beneath masses of tiny long tubed pink *Gentian* flowers, it is supposed to be perennial and permanent, however for us it persists more by self sowing, seldom living more than a few years

CENTRANTHUS RUBER 'PRETTY BETSY' PRICE 1@ \$8.00
With a name like 'Pretty Betsy', it is more likely to attract pedophiles than butterflies, names aside it is a very pretty pink version.

CERASTIUM ALPINUM SSP LANATUM PRICE 1@ \$6.50
A cute little arctic alpine mouse ears with white flowers, quite easy for and arctic plant.

CERASTIUM CANDISSIMUM PRICE 1@ \$6.50
A silvery mat former from Greece with short cymes of cleft petaled white flowers, it is easy and free blooming and a favorite of Painted Lady butterflies.

CERATOSTIGMA PLUMBAGINOIDES PRICE 1@ \$8.00
Ceratostigma is a small genus in the *plumbaginaceae*, flowers are brilliant blue produced for months in summer and fall, autumn foliage is brilliant red and it turns white still covered in blue flowers. Planted en masse it is a spectacular landscape plant tolerating both sun and shade.

CHAENORRHINUM ORIGANIFOLIUM 'BLUE DREAM' PRICE 1@ \$6.50
A selected form the purplish blue flowers have Freudian overtones.

CHASMANTHIUM LATIFOLIUM PRICE 1 @ \$6.50
Sea Oats, a zone 4 hardy perennial grass with pendant flattened overlapping lemmas much like a flat angular *Briza maxima*.

CHASMATOPHYLLUM MUSCULINUM PRICE 1 @ \$6.50
Yet another of the "Hardy" *Delosperma*-like mesembs (hardy in Denver's zone 5 has become something of a joke around here, which is why I have such disdain for zone maps). It survived the winter here but died in the spring mushy season, like most of them it needs it dry to make it, but it is easy to bring a piece inside, they root like weeds.

CHASMATOPHYLLUM SP. PRICE 1 @ \$6.50
A nearly everblooming plant from Krugerskrall via Alan Bradshaw with bright yellow flowers over tufts of foliage that emerge emerald green in spring in nice contrast to the bluish overwintering foliage.

CHELIDONIUM MAJUS FL.PL. PRICE 1 @ \$8.00
Chelidonium majus Greatercelandine; in Europe tetterwort, (what the hell is a tetter and why does it have warts) in any event these are seedlings that should throw a fair percentage of doubles. It has been used medicinally but is dangerous containing some toxic alkaloids. The seeds are small and black, borne in a long capsule. Each has an elaiosome, which attracts ants to disperse the seeds (myrmecochory). A great word for ants dispersing seed. It contains a range of isoquinoline alkaloids The main alkaloid present is coptisine. Others include berberine, chelidonine, sanguinarine and chelerythrine. Sanguinarine . Caffeic acid derivatives are also present. The effect of the fresh herb is of a mild analgesic, cholagogic, antimicrobial, oncotoxic[3] and central nervous system sedative. And cytostatic. The latex also contains proteolytic enzymes and the phytocystatin chelidostatin, a cysteine protease inhibitor. [4] These co-constituents could explain the topical use of greatercelandine against warts and moles. It is also used in the mole and wart remover Wart Mole Vanish.

CHELINOPSIS YAGIHARANA PRICE 1 @ \$12.00
A pink flowered labiate from Japan 2" mounds of foliage bear tubular Penstemon like pinkish flowers from late summer until frost this is one of the best new perennials we have seen in years.

CHELONE GLABRA VARIEGATA PRICE 1 @ \$12.00
Our native turtlehead, glabra has white flowers and narrow glossy leaves and irregular streaky variegation, it tends to be difficult to establish since both deer and checkerspot tend to devour it.

CHELONE LYONII ALBA PRICE 1 @ \$8.00
Often confused with obliqua in the nursery trade; it's taller and has narrower leaves but the flowers are virtually identical typically pink but in this case white. *Chelone* species are food for the Baltimore Checkerspot butterfly; a rare, local and very beautiful butterfly that seldom wanders far from where it was born. Adult butterflies are so trusting that Ender can get them to crawl onto his finger and walk around with them. Contact us for details on raising them. One of our employees had a near death experience when the webbed nests with hundreds of caterpillars were cut off and thrown on the compost pile.

CHIMOPHILAMA UMBELLATA PRICE 1 @ \$12.00
Elegant glossy leaved woodlander forming open mats. If happy this runs in the leaf litter. Not always easy to establish but a big patch will definitely turn some heads. Pinkish to white flowers in umbels above the foliage. These are from an interesting dry prairie population growing in pure sand with dwarf chestnut oak and birdsfoot violets, They have proven relatively easy to grow forming mats in the garden with abundant flowers.

CHRYSANTHEMUM (DENDRANTHEMA) 'CLARA CURTIS' PRICE 1 @ \$8.00
Once listed as *Dendranthema zawadskii*, (not any more they threw out that horrible revision) and a parent of the Korean *Chrysanthemum* Clara is a large flowered single pink.

CHRYSANTHEMUM ATRATUM PRICE 1 @ \$8.00
A Holubec collection, a tufted species with the typical white daisies on stems 20cm or less from Holubec I expect they will turn out to be small forms, which is rather nice, Very free flowering.

CHRYSANTHEMUM MAXIMUM 'AGLAYA' PRICE 1 @ \$8.00
A good double form of Shasta daisy the frilly white flowers are produced for months in mid summer.

CHRYSANTHEMUM MAXIMUM 'BRIGHTSIDE' PRICE 1 @ \$8.00
Bred out of Becky, which was the 2003 perennial plant of the year 'Brightside' is better still with improved disease resistance heat and cold tolerance.

CHRYSANTHEMUM MAXIMUM 'SONNENSCHN' PRICE 1 @ \$8.00
A very interesting plant this is a yellow Shasta daisy; it is perfect with some of the new *Echinacea* cultivars. Sunshine got rave reviews by all who saw it in our border last summer.

CHRYSANTHEMUM VULGARE 'GOLD STICKS' PRICE 1 @ \$8.00
If you prefer *Tanacetum vulgare*, tansy has yellow button flowers without ray florets and strongly aromatic foliage; long used for medicinal and culinary purposes it is virtually unkillable.

CHRYSANTHEMUM WEYRICHII PRICE 1 @ \$8.00
A dwarf pink flowered species native to Japan and Kamtschatica, it is small enough for a larger rock garden, forming loose cushions of woody stems 12-25 cm high.

CHRYSOPSIS VILLOSA PRICE 1 @ \$8.00
Also known as *Heterotheca villosa* this is commonly known as Golden Aster it is Western American native and quite garden worthy.

CICHORIUM PUMILUM PRICE 1 @ \$8.00
A cool little spiny shrublet (actually it starts life with a taraxicum-like rosette) the general appearance is much the same as *spinosum* however *pumilum* seems to produce adventitious plantlets from the roots, *spinosum* will too but only occasionally.

CICHORIUM SPINOSUM PRICE 1 @ \$8.00
Sky blue flowers, strange contorted spiny bushlets (actually it starts life with a taraxicum-like rosette), this is a wonderful plant and always commented on by visitors to the nursery, not your roadside weed.

CIMICIFUGA RAMOSA ATROPURPUREA PRICE 1 @ \$15.00
A fine plant and trendy, pricey too; in its various incarnations its been featured on a number of covers in computer enhanced color. Even without the plastic surgery, its bronzy foliage and racemes of white flowers are most impressive.

CIMICIFUGA RAMOSA 'BRUNETTE' PRICE 1 @ \$15.00
A particularly dark leaved selection out of tissue culture, even showier than the above.

CIMICIFUGA RAMOSA 'HILLSIDE BLACK BEAUTY' PRICE 1 @ \$15.00
Another contender for the darkest leaved *Cimicifuga*; to tell the truth culture and placement in the garden seems to have more to do with it than genetics, all the dark ones are spectacular with a fragrance is simply incredible. Big drifts are quite a sight in late summer.

CIMICIFUGA RAMOSA 'JAMES COMPTON' PRICE 1 @ \$15.00
Yet another dark one, supposedly more compact growing than the others but I see little difference. To tell the truth culture and placement in the garden seems to have more to do with it than genetics, all the dark ones are spectacular with a fragrance that is simply incredible. Big drifts are quite a sight in late summer.

CIMICIFUGA SIMPLEX 'RICHARD'S GIANT' PRICE 1 @ \$15.00
A huge thing that towers to 7 feet and more, flowers are only so so but the plant is imposing.

CIMICIFUGA SIMPLEX VARIEGATA PRICE 1 @ \$15.00
A streaky variegated version, try it with the dark leaved ones.

CONVALLARIA MAJALIS 'CRÈME DE MINT' PRICE 1 @ \$15.00
A rather broad leaved edged form ,that Hans Hansen was kind enough to share with us. This is the best edged form we have seen. Introduced by Rick Sawyer of Fernwood Nursery, it has somewhat glaucous leaves generously edged in cream. Rick thinks it may be a sport of 'Fortin's Giant'.

CONVALLARIA MAJALIS VARIEGATA (ALBOSTRIATA) PRICE 1 @ \$15.00
This is a streaky variegated version, variegation ranges from excellent to good, at that it is far better than most of the variegated forms I have seen.

CONVALLARIA MAJALIS FL. PL. PRICE 1 @ \$12.00
Langhammer brought us this long ago, we offered it once and it was so popular that it has taken us years to build back stock. The double flowered version is much slower to multiply than the single forms. I understand that there are gold edged and silver edged variegated forms in cultivation, if you grow either of these let us know, as for the streaky variegated form it just looks sickly and has nowhere near the charm of the double clone.

CONVALLARIA MAJALIS ROSEA PRICE 1 @ \$12.00
Another from Jim, rosea is definitely faster growing than *Flora Plena* but nothing like the straight species I divided plants in late summer once and they hated it, hard to believe you could croak lily of the valley, now we are more careful.

CONVOLVULUS ALTHAEOIDES EX HOLUBEC PRICE 1 @ \$8.00
Herbaceous perennial trailing or twining to 100cm, elegant silvery foliage, pink Morning Glory flowers 2.5-4cm wide, it runs but has never been a weed for us, indeed I wish it was a bit faster.

CONVOLVULUS CANTABRICA 105 PRICE 1 @ \$15.00
Decumbent stems bearing silky hairy linear leaves and 3-4cm pink morning glory flowers, it forms mats to 25cm; collected on sunny stony slopes near Golobardo, Bulgaria at 1600m.

CONVOLVULUS SABATIUS PRICE 1 @ \$6.50
A showy species from the Mediterranean region with blue saucer flowers best in a dry wall or in a protected site, it is on the tender side some years it winters some it doesn't.

COREOPSIS AURICULATA F NANA 'ELFIN GOLD' PRICE 1 @ \$8.00
A compact plant 10" high in flower with the cushion totally hidden by it's abundant blooms , a Jelleto introduction from Germany.

COREOPSIS 'REDSHIFT' Price - \$ 12.00
From darryl probst's big bang series summer flowers are creamy yellow with a red eye, as cool weather approaches in fall or as you approach C they become red with yellow streaks, these are supposed to be zone 5 hardy but we suspect they resent winter wet,

COREOPSIS PUBESCENS 'SUNSHINE SUPERMAN' PRICE 1 @ \$8.00
"Superman or Green Lantern ain't got nothing on me, I can make like a turtle and dive for your purse in the sea", dig out your old Donovan album and plant this sucker and then kick back and listen to Season of the Witch.

COREOPSIS ROSEA 'AMERICAN DREAM' PRICE 1 @ \$8.00
A good selection very free blooming with yellow centered clear pink daisies; rosea appreciates a moist site but will tolerate a wide range of garden conditions.

COREOPSIS VERTICILLATA 'GOLDEN GAIN DWF' PRICE 1 @ \$8.00
Dwarf threadleaf selection from Blooms with bright yellow flowers; lots of hype but nice.

COREOPSIS VERTICILLATA 'MOONBEAM' PRICE 1 @ \$8.00
Probably the most popular *Coreopsis* and deservedly so, with soft muted yellow flowers produced in profusion all summer long, and neat mounds of threadlike leaves.

COREOPSIS VERTICILLATA 'ROUTE 66' PRICE 1 @ \$12.00
Yellow with a red eye, in fall the flowers turn mostly red, it is one of the more unique *Coreopsis*.

COREOPSIS VERTICILLATA 'ZAGREB' PRICE 1 @ \$8.00
A very free blooming species similar to Moonbeam but with brighter yellow flowers, it blooms all summer.

CORONILLA MINIMA PRICE 1 @ \$6.50
Flat mats, gray leaves, and fragrant yellow pea like flowers in mid summer, a crownvetch, but a very fine one.

CORTADERIA SELLOENA PUMILA PRICE 1 @ \$15.00
A dwarf, well actually it is pretty damn huge version of Pampas grass that is significantly harder than the species, it is the only form that survives here long term.

CORYDALIS

A huge genus of with over 300 species that most taxonomists place in the *Papaveraceae*, some are bulbous, some are creeping woodlanders; the flower colors are intense, in virtually every visible wavelength and a few that only the Bumblebees can see. Most are easy to the point of being weedy, (they have explosively dehiscent seed that is intolerant of dry storage) although there are legendary rarities like *Corydalis cashmiriana* that border on the un-growable. The following offer offers but a glimpse of the wealth they have to offer.

CORYDALIS BULBOSA PRICE 1 @ \$12.00
At least we think its bulbosa; this is confused with cava, bulbous purple ephemeral.

CORYDALIS DECEPIENS PRICE 1 @ \$8.00
A bulbous species; Zetterlund considers the name to be conspecific with *C. solida* ssp *incisa*, to add to the confusion there is a Dutch variety 'Decepiens', an improved early flowering purplish *solida* selection of obscure origin, ours are probably this one.

CORYDALIS ELATA PRICE 1 @ \$12.00
A fairly new blue species out of S.W. Sichuan, similar to *flexuosa* it has performed much better here; *flexuosa* mostly dies for us.

CORYDALIS EX DUFU TEMPLE PRICE 1@ \$8.00

This came from a collection offered in the Scottish rock garden seed exchange. It is hardy here and has wonderful blue flowers in shades ranging from sky blue to purplish blue with sky blue forms predominate. It is very distinct and nothing like *C. flexuosa* Blue Panda. Our original three plants have multiplied, and multiplied, and multiplied, the most wonderful weed you could possibly have. It blooms from spring continuously until November. Seed explodes from Touch-Me-Not capsules at the slightest touch, making it lots of fun for kids but a bitch to collect; fortunately the ants will pick up the seeds and plant them for you. As far as we know all stock in the U.S. originated with us; recently plants have been offered as a cultivar of *linstowiana*, we don't know what they grow as *linstowiana* but Zetterlund sent us seed from Gothenburg. From Heinrich we presume it to be the real thing and it is definitely different from Dufu, so much so that we can hardly believe they belong to the same species. Unlike *linstowiana*, Dufu is semi-tuberous and very cold hardy and permanent. A plant that is sure to become a classic, and we predict will largely replace *C. lutea* in the landscape - by brute force if necessary. Everyone who sees it wants it, and you no longer need to kneel and beg to have one.

CORYDALIS INCISA EX JIM BRIGGS PRICE 1@ \$8.00

A freely seeding purple species looking a bit like a purple *solida*, very free blooming, this is an outstanding plant for naturalizing and easy to weed out if you tire of it. Separation of the alkaloids from *Corydalis incisa* (Pers) collected in Sendai in May gave the two morphinane alkaloids, sinoacutine and pallidine, together with corynoline, acetylorynoline, isocorynoline, corynoline, protopine and corycavine

CORYDALIS LEUCANTHEMA 'SILVER SPECTRE' DJHC 752 PRICE 1@ \$8.00

Slow growing it has taken us years to build up enough to offer, *leucanthea* is unique with silvery white blotches on the leaves hence the name 'Silver Spectre', and fragrant light lavender flowers with a deep purple lip. These date from Dan's collections from a creek bank in Sichuan at 6400' in 1996.

CORYDALIS LUTEA PRICE 1@ \$8.00

We haven't offered this in a while, but it hitch hiked back into the garden on a *Sinocalycanthus* that Langhammer brought us. (be warned it is even more of a weed than Dufu) however it too blooms forever and is great from a landscape point of view. In any event, it is now loose in our Hosta garden and we have been potting up some of the excess, its just too pretty to throw on the compost pile.

CORYDALIS OCHROLEUCA PRICE 1@ \$8.00

The real thing, note the non-shiny seed (white forms of *lutea* have shiny seed), an easy long flowering species, like a cream flowered *lutea*. It occupies a place of prominence in the shade garden alongside the steps to the lower parking lot, 'Galen Gates from Chicago Botanic Garden saw it and at his urging we added it to our offerings.

CORYDALIS SOLIDA PRICE 1@ \$8.00

The classic early flowering bulbous *Corydalis*, it spends a great deal of time dormant but is incredibly showy when in flower, the tubers slowly multiplying by splitting in half, flowers can be anything from purple to red; these are un-flowered seedlings.

CORYDALIS SOLIDA 'DIETER SCHACHT' PRICE 1@ \$12.00

From the Munich Botanic Garden 'Dieter Schacht' is similar to 'Beth Evens' but a better multiplier, scapes of soft pink flowers with a white flash on the spur; it remains a highly desirable clone.

CORYDALIS SOLIDA TRANSYLVATICA PRICE 1@ \$12.00

This Romanian form of *solida* is a name of considerable confusion, see Zetterlund for details he goes on for pages, apparently many of the best clones including 'George Baker' are in the *transylvatica* group, expect some good colors from this batch.

CORYDALIS STENANTHA PRICE 1@ \$8.00

A new species out of China, it runs underground but is quite different from the *flexuosa* types, flowers are purple and outstanding; plants are large and vigorous and appear to be permanent in the garden. The name seems somewhat questionable but this is what we got it as and for now at least we can offer nothing better.

COSMOS ATROANGUINEA PRICE 1@ \$12.00

Deep blackish purple chocolate scented flowers, what more could you want? Well a trifle more hardness wouldn't break my heart.

COTULA (LEPTINELLA) MINOR PRICE 1@ \$6.50

Rather rare in cultivation although it has recently been making the rounds, flat mats of miniature ferny foliage, a New Zealander with little yellow button flowers, one of the best *Cotula* species we have seen.

COTYLEDON ORBICULARE PRICE 1@ \$24.00

Spectacular looking with big gray fleshy round leaves with a reddish edge and brilliant orange red flowers on meter high plants. Haldia collected this up high in the Drakensburg back in the mid 90's, it probably is the most cold hardy form in cultivation although it melted outside for Dick and Tony; it may be great out west. In terms of floral display and foliage effect, no other succulent we grow even comes close.

CRAMBE MARITIMA PRICE 1@ \$15.00

Sea kale is a halophytic perennial plant in the genus *Crambe* that grows wild along the coasts of Europe, from the North Atlantic to the Black Sea. It has large fleshy glaucous collar-like leaves and abundant white flowers. The shoots are served like Asparagus: steamed, with either a Bechamel sauce or melted butter, salt and pepper.

CRASSULA LYCOPODIODES (muscosa) PRICE 1@ \$6.50

This does indeed look a bit like a club moss with stems of imbricated fleshy leaves like a square rat's tail branching to form a weird coral like growth, it's South African and tender.

CRASSULA PEPOIDES PRICE 1@ \$6.50

We got this one from RMRP many years ago the damn thing just never dies, an aggressive mat with small white flowers, hardy here.

CRINUM X POWLII VAR ALBUM PRICE 1@ \$19.00

One of the hardest crinum's, a hybrid between *Crinum bulbispermum* x *Crinum moorei*, 1.5m scapes bear umbels of fragrant white *Amaryllis* flowers.

CROCOSMIA HYBRIDS 'GEORGE DAVISON' PRICE 1@ \$8.00

Named for the British-born scientist George Davidson His first hybrid called 'George Davison' won RHS Award of Merit 1902 and was of Lemoine parentage. this is an outstanding yellow *crocsmia* and a good companion for lucifer

CUNILA ORIGANOIDES EX RON BASS PRICE 1@ \$8.00

Grown primarily for the frost flowers, weird ribbon-like frozen sculptures of sap that sort of extrude from the crown of the plant when conditions are just right. The physics of this is interesting, does it extrude supercooled? There are some fantastic photos of this on the web and this really has to be seen.

CYCLAMEN

A fantastic genus that unfortunately suffers from a tender houseplant image, causing many gardeners to dismiss them. *Coum* and *hederifolium* should be hardy almost anywhere in the U.S., and there are a large number of other species that will succeed if given a bit of extra protection. *Cyclamen* thrive in dry shade but will tolerate nearly full sun. We urge you the check out the Grey-Wilson *Cyclamen* book, whatever you may think of the author's ecopolitics the book is excellent. Arrowhead is probably the largest grower of species *Cyclamen* in the U.S. and the quality of our offerings is second to none. Most of what we offer is flowering size with leaf patterns that are incredible. Please note if you order *Cyclamen* for spring shipment they will be going dormant at shipping time, they are NOT dying. *Cyclamen* are intolerant of dry storage so plant them, do not remove the bulbs and store them dry.

CYCLAMEN COUMPRICE 1@ \$8.00

Extremely hardy popular species produces its pink-reflexed blooms in spring, often flowering through the snow, try a big drift of these in your spring woodland garden, one glimpse and you will be captivated.

CYCLAMEN COUM SSP. CAUCASICUMPRICE 1@ \$15.00

Mojmir's collections from the Caucasus, with rather heart shaped leaves, longer petal lobes and a pair of pink eyes below the blotch.

CYCLAMEN COUM MARBLED LEAF AFF. E.A. BOWLES 471PRICE 1@ \$8.00

Reversions out of Pewter leaf, which was a Kath Dryden, cross between *Coum* *Nymans* and *Coum* E.A. Bowles 471. These fit the description of Bowles 471; vigorous plants with a green Christmas tree mark in the center of the leaf surrounded by silvery marbled overlay and with a dark green picotee edge. Call them what you will they are very nice.

CYCLAMEN COUM MAURICE DRYDENPRICE 1@ \$8.00

A Kath Dryden Pewter Leaf selection, named for her husband; basically it is a white flowered pewter leaf, flowers are white with a red throat, leaves are silver with a green picotee edge. An outstanding plant that comes quite true from seed. See the *Cyclamen* book by Chris Gray-Wilson for much greater detail.

CYCLAMEN COUM PEWTER LEAFPRICE 1@ \$8.00

Originating from the Kath Dryden cross, mentioned above, these have solid pewter colored leaves with little or no green in them; a most outstanding *cyclamen* form.

CYCLAMEN COUM SILVER LEAFPRICE 1@ \$8.00

These have been re-selected from pewter leaf for a more silvery color, the differences are subtle but quite evident when you see a flat of each side by side; spectacular plants.

CYCLAMEN HEDERIFOLIUM (NEAPOLITANUM)PRICE 1@ \$8.00

Ferociously floriferous; the clumps of marbled foliage can spread to nearly 2' wide, radiating from flattened bulbs the size of dinner plates and producing delicate pink flowers in such numbers as not to be believed from late summer until early winter. They possess the amplitude and grace of a florist *Cyclamen* and a tuberous tenacity that rivals *Kudzu*.

CYCLAMEN HEDERIFOLIUM F. ALBUM WHITE W PINK NOSEPRICE 1@ \$19.00

Pure white flowers with a pink nose, and who can resist a pink nose?

CYCLAMEN HEDERIFOLIUM PURE SILVER LEAFPRICE 1@ \$19.00

Seedlings from Brigitta's hand picked collection from Ashwoods, Archibalds and others, the strain probably originated with Bowles Apollo. The parents rival anything seen on the European show benches, these are absolutely stunning, basically solid silver with just a few green marks. The metallic Silver leaves are simply unreal they look spray painted.if anyone could ever breed a *Hosta* that looked like this it would sell for a hundred grand.

CYCLAMEN HEDERIFOLIUM SILVER LEAF WITH MARKINGSPRICE 1@ \$15.00

As above but the leaves have some cool green patterning on the silver background

CYCLAMEN HEDERIFOLIUM WHITE CLOUDPRICE 1@ \$19.00

Our selections from white flowered intensely silver plants, these will rival anything you will see on the European show benches.

CYCLAMEN PURPURESCENSPRICE 1@ \$15.00

Similar to *hederifolium* it is not as good a grower for us, flowers are generally fragrant although some people apparently can't smell them, it does not seed around for us.

CYMBALARIA AEQUITRILOBAPRICE 1@ \$6.50

The smallest of the *Cymbalaria*s we grow; flowers are very tiny but intensely colored and actually quite showy. It is most civilized and lacks the tendency to cannibalize neighboring plants.

CYMBALARIA MURIALIS ALBA COMPACTAPRICE 1@ \$6.50

Compact white flowered form more suitable to a rock garden.

CYMBALARIA MURIALIS GLOBOSA ROSEUMPRICE 1@ \$6.50

As above but with pink flowers, these are extremely popular selling plants at the nursery, they bloom for extended periods and look cute in a pot.

CYMOPTERUS LONGILOBATUS EX WYPRICE 1@ \$8.00

A weird little Western carrot with incredibly anise scented glossy foliage and umbels of yellow flowers on short stems. I suspect this will prove a magnet for butterflies in the black swallowtail group, why munch parsley when you can eat *Cymopterus* and make your scent horns really overpowering. (Touch them lightly on the back and they magically become erect).

DAPHNE - SEE OUR WONDERFUL SELECTION IN THE SHRUB SECTION

DARmera (Peltiphyllum) PeltatumPRICE 1@ \$12.00

A tough plant that tolerates more abuse in terms of sun and dry soils than I would have thought possible, even surviving in a dry sandy scree in full sun (its supposed to be a shady pondside thing). Pink balls of *Saxifrage* flowers before the leaves in spring, followed by large *Astilboide*-like leaves.

DATISCA GLOMERATA Ratko 00-211PRICE 1@ \$8.00

Datisca glomerata is the lone representative of the *Datisca*caea in the United States and one of only two in the genus the other being *Datisca cannabina* which is Asian. It is an unusual woody crowned perennial with arching leafy stems to 6'; Ratko describes it as a *Mugwort* on steroids. Plants are monococious with flowers crowded in the axils the entire length of the stem. Taxonomically related to *viola* of all things, all parts of the plant are toxic. Ron's collections from dry streambeds in the salmon mountains at 2450'.

DEINANTHE (DEINANTHE CAERULEA) 'BLUE WONDER' PRICE 1@ \$24.00

An unusual and seldom-encountered Chinese woodland perennial. This forms a low, slow spreading mound of felty dark-green leaves, bearing clusters of lavender-blue blossoms in early summer. Petals are shaped like individual Hydrangea flowers, the blooms appearing early to midsummer. Best in rich, moist woodland soil and dappled shade, away from strong winds. Possibly hardy to Zone 4 or colder. Keep out of hot afternoon sun. Its flowering season is long, with new buds opening in succession. Each flower is between an inch and two inches across and faces outwards or nods slightly downwards. It is native to woodlands in China.

DEINANTHE BIFIDA PINK EX KII PENINSULA JAPAN PRICE 1@ \$24.00
Kudos to Hinkley for making this available, it is vigorous and extremely free flowering, far exceeding any blue flowered form that I have ever grown. Essentially a hydrangea that dies down to a woody crown each fall; this shade-loving gem deserves much broader garden exposure.

DELOSPERMA

Amazingly drought tolerant these little mesembis will tolerate hot and dry sites that would fry most other plants and still flower like mad. Many are surprisingly cold tolerant although they do tend to melt in wet spring weather. They are easily cut and it is a simple matter to keep a backup plant on a windowsill or cold frame just in case things get too wet. Delosperma will also self-sow in the garden and any surviving scraps quickly grow back to form a good-sized plant in a single season.

DELOSPERMA AFF. CONGESTUM PRICE 1@ \$6.50
Yet another of these impossible to key little mesembis.

DELOSPERMA AFF. NUBIGEANUM PRICE 1@ \$6.50
From a Halda collection at high altitude, yellow flowers, fleshy carpets of leaves.

DELOSPERMA ASHTONII PRICE 1@ \$6.50
Broad leaves and large purplish pink flowers ashtonii is perhaps the most impressive Delosperma we grow.

DELOSPERMA BASUTICUM PRICE 1@ \$6.50
An outstanding species from the Drakensburg Mts forming congested mats of succulent foliage and white centered golden flowers. This is one of the hardiest species.

DELOSPERMA BRITTENIAE PRICE 1@ \$6.50
Slow growing with hard mounds of congested angled foliage flowers are yellow, britteniae is one of the best at least in terms of foliage.

DELOSPERMA BRUNNTHALERI YELLOW FORM PRICE 1@ \$6.50
Succulent cylindrical leaves, shrubby habit, yellow flowers, like a tiny Baobab tree.

DELOSPERMA COOPERI PRICE 1@ \$6.50
Hot pink flowers, the leaves are more cylindrical than sutherlandii but otherwise it is similar, cooperi is one of the hardiest species surviving here on dry sites and flowering for months.

DELOSPERMA DELEEUWIAE PRICE 1@ \$6.50
From a Halda collection this magenta flowered gem is from Lesotho at 3125m.

DELOSPERMA ECKLONIS V. LATIFOLIA PRICE 1@ \$8.00
A new introduction with low cushions of cylindrical succulent foliage and purple mesemb daisies; it is in bloom most of the summer.

DELOSPERMA HIRTUM PRICE 1@ \$6.50
Like a slender sutherlandii, deciduous leaves.

DELOSPERMA MACEI PRICE 1@ \$6.50
Looks like the rest, this time with small white flowers.

DELOSPERMA SP. LARGE MAGENTA PRICE 1@ \$8.00
Hundreds of 2-3" magenta flowers are produced all summer long, it's tender even in Denver, but it sets plenty of seed and it's no problem to root a few cuttings.

DELOSPERMA SP. EX BEAUFORT WEST PRICE 1@ \$6.50
A collection from high in the Niewveld Mountains outside Beaufort West in the Karoo the cushions are smothered from spring till frost in the fall with small light pink daisies.

DELOSPERMA SP. 'JOHN PROFFIT' PRICE 1@ \$6.50
A vigorous mat former it is similar to cooperi and very free flowering, producing magenta pink flowers all summer long.

DELOSPERMA SP RUBY STARS PRICE 1@ \$6.50
Intensely colored with relatively small flowers but lots and lots of them, covering the plants all summer long, it is one of the best Mesembis we have ever grown.

DELOSPERMA SPHALMANTHOIDES PRICE 1@ \$6.50
Stemless cushion of pointy upward facing succulent leaves like the back of a green Echidna half buried in the sand, typical reddish-purple mesemb daisies in spring, very distinct looking and fairly hardy.

DELOSPERMA SUTHERLANDII PRICE 1@ \$6.50
Pink flowers very similar to cooperi, possibly a little less hardy but showier, great for a hot sunny site.

DESMODIUM DILLENII PRICE 1@ \$8.00
As tickseed peas go this is rather showy with pink pea flowers followed by velcro seeds, it is tolerant of a wide range of garden conditions and just the thing for the native garden.

DIANELLA TASMANICA PRICE 1@ \$15.00
As you might expect from something that evolved in Tasmanian isolation this is unique looking, the clumps of weird flattened (we are talking steamroller here) foliage give rise to branching scapes to 150cm tall bearing hundreds of one inch flowers. The six sky blue petal (3 sepals, 3 petals) are reflexed backwards Dodecatheon fashion and the six prominent bright yellow stamens dangle downward. They are followed by incredible purple egg shaped fruits. Leaves are used locally for basket weaving and cordage.

DIANTHUS

An indispensable genus for the rock gardener, the genus has over 300 species to choose from. We tend to focus on the tight bun types although I have nothing against Carnations; indeed, I am surprised that no one has crossed the large flowered types with the buns. The cushions generally want full sun and good drainage, with perhaps a bit of lime in the soil, other than that they are carefree. Leggy older plants may benefit from the occasional shearing, a service our local bunnies provide from time to time.

DIANTHUS 'MOUNTAIN MIST' PRICE 1@ \$8.00
Pierre from Sunny Border sent us a box of goodies this fall and this was among them, a neat plumarius type with low mounds of blue green foliage and semi double lacinated pink flowers on relatively long stems.

DIANTHUS BARBATUS 'HEART ATTACK' PRICE 1@ \$8.00
Supposedly fully perennial with reddish green foliage and deep blood red Sweet William flowers. This is a most impressive plant for the perennial border and the best big Dianthus we have seen in quite a while.

DIANTHUS BARBATUS 'SOOTY' PRICE 1@ \$8.00
Very dark almost black flowers in great profusion, it goes monocarpic but will seed around and the color is unlike any other dianthus we grow.

DIANTHUS BOISSIERI PRICE 1@ \$8.00
A cushion to mat former boissieri has been lumped into sylvestris in recent years, whatever the name the plants are the same.

DIANTHUS ERINACEUS PRICE 1@ \$8.00
Rick Lupp's clone of this rare Kaz Dagh endemic; compact spiny mounds, pink flowers sit right on the cushion, one of the tightest species, it resents being too wet in winter.

DIANTHUS FREYNI PRICE 1@ \$8.00
Rivalling microlepis, not quite as large flowered, rock hard domes, an excellent trough plant, long lived, spectacular. Read Farrer, he describes the plant we have, AGS compares it to glacialis - no way.

DIANTHUS 'FROSTY FIRE' PRICE 1@ \$8.00
A Walters introduction with excellent blue green foliage and deep red double flowers on compact scapes it looks to have grat-plumarius parentage, one of the best looking new dianthus we have seen in a while.

DIANTHUS GLACIALIS ELEGANS PRICE 1@ \$8.00
I believe this is now just Dianthus elegans, a tufted Turkish endemic that grows on limestone with pink flowers on relatively tall scapes.

DIANTHUS GRATIOPOLITANUS PRICE 1@ \$8.00
The classic cheddar pink, spicy clove fragrance and abundant flowers.

DIANTHUS GRATIOPOLITANUS 'TINY RUBIES' PRICE 1@ \$8.00
An old standby this forms low mats of bluish green foliage and is covered in flowers with the classic cheddar pink scent. I find it a favorite nectar plant of the Clearwing Hawkmoths.

DIANTHUS HAEMATOCALYX PINDICOLA PRICE 1@ \$8.00
Dwarf cushions of short glaucous leaves, intense dark pink flowers may be solitary or 2-3 per stem; Pavelka's collection from rocky slopes in the Pindos Mts in Greece at 1,700m.

DIANTHUS LUSITANICUS PRICE 1@ \$8.00
A cute little alpine pink from Spain, easy in a dry site.

DIANTHUS MICROLEPIS BLUE PRICE 1@ \$8.00
Reasonably nice, habit about typical for microlepis, this is an easy to please form with bluish foliage. And abundant flowers on short scapes

DIANTHUS 'MINI MOUND' PRICE 1@ \$8.00
Tiny dense domes, the perfect handful of gray foliage tastefully adorned with little pink things held firmly erect, flowers of coarse.

DIANTHUS MINUTIFLORUS PRICE 1@ \$8.00
Mojmir, who does get around, collected this in Croatia near Biokovo at 1600m on limestone rocks. Small cushions of green leaves topped by white flowers on branched 20cm stems, it is a rarely offered species related to subcaulis and sometimes incorrectly listed as D. strictus brachyanthus.

DIANTHUS MOESIACUS PRICE 1@ \$8.00
Have you seen the software that takes a bunch of thumbnails and turns them into a mosaic image, someone needs to try that with a garden with the image visible only from an aircraft, think of the advertising possibilities. And yes, I have absolutely nothing to say about D. moesiacus.

DIANTHUS NEGLECTUS (PAVONIUS) PRICE 1@ \$8.00
Also known as pavonius, it is acclaimed as one of the finest species; forming dense mounds of tight foliage and ample pink flowers with a buff reverse on short stems that completely obscure the foliage. At it's best the cushions are very tight, grassy leaves, it's no microlepis but much more indestructible in nature.

DIANTHUS 'RACHEL' PRICE 1@ \$8.00
Rick Lupp's favorite, tight grey green cushions and abundant large double pink flowers on very short stems.

DIANTHUS SIMULANS TIGHT FORM PRICE 1@ \$8.00
A fine form from Larry Stanley, who if he is not careful, will find himself sucked into rock plants, the same way conifers got him. I saw him watching the bidding on the little stuff we donated to the Conifer Society auction. Rock plants do mix well with dwarf conifers and once you already have every conceivable dwarf conifer, you need something new to collect; all those new genera calling seductively, "Larry grow me" promising strange pleasures in exchange for the acquisition of all the species.

DIANTHUS SUBCAULIS PUNNETT'S TIGHT BLUE PRICE 1@ \$8.00
Dick picked this extremely tight form with good blue color from a batch of Piatek's seedlings, by far the best of the bunch, this promises to be a very good plant, the more we see of it the better we like it, I'd say it ranks with the finest Dianthus we have ever grown.

DIANTHUS SUPERBUS PRICE 1@ \$8.00
Superb indeed at least in terms of flowers, the habit however does leave a bit to be desired; these represent new material from Mojmir's collections in Kyrgyzstan. He found them growing in alpine meadows of the Tian-Shan at 2500m where their incredibly lacinated fragrant pink flowers danced over the sparse turf atop 20cm stems, someone really should cross this to microlepis or simulans, these flowers on a hard cushion would be incredible.

DICENTRA CANADENSIS PRICE 1 @ \$6.50

An exquisite little woodlander, with attractive ferny foliage and pink tinged white flowers like a tiny Bleeding Heart; Squirrel Corn bulbs are naturally tiny like kernels of corn, but it can form wide colonies over time.

DICENTRA CUCULLARIA PRICE 1 @ \$6.50

Almost identical to canadensis in foliage, the bulbs are much different and the fat white golden-throated flowers of cucullaria look like a tiny pair of white pants, not just any pants but Dutchman's breeches, it too can form extensive patches.

DICENTRA EXIMIA PRICE 1 @ \$8.00

Colony forming, extensive rhizomes, leaves extremely dissected, flowers pink to rosy red 30-50cm tall, from the Northeastern U.S.; Flowers May to September.

DICENTRA FORMOSA PRICE 1 @ \$8.00

Much like eximia but more robust, flowers broader, with deeply crested sepals; it flowers from late spring to summer and often re-blooms.

DICENTRA SPECTABILIS 'GOLD HEART' PRICE 1 @ \$19.00

This cool yellow leaved bleeding heart really stands out in the shade, flowers are typical pink bleeding hearts.

DICTAMNUS ALBUS (FRAXINELLA) PURPUREUS PRICE 1 @ \$12.00

Gas plant, glandular hairs emit an aromatic gas that can be set ablaze on still muggy summer nights. Please check for Giant Swallowtail larva first or you may barbeque your bird droppings (Dictamnus is a first choice munchie here). Racemes of showy flowers in spring followed by attractive explosively dehiscent seed heads, Dictamnus can shoot shiny black missiles across a room. Very long lived in the garden they resent disturbance, do not move large plants; germination of dry stored seed is complicated by hard seed coats and secondary dormancies, limiting most commercial production. This is the first large crop we have had in years the result in part of introducing new genetic material from the Caucasus. Germination improved greatly, colors could be anything from purple to white. Like many rutaceous plants they may cause photodermatitis in sensitive people. Rue does this to me but Dictamnus has never given me trouble and I am always looking for caterpillars on it.

DIGITALIS AMBIGUA PRICE 1 @ \$8.00

The tall wild type form of grandiflorum with fat yellow bells. It is a true perennial Foxglove. Digitalis 'Ambigua' is a lovely shade of buttery yellow that blooms in June and July. Flower throats are speckled with mahogany-brown spots and are born are 24 - 30 inch arching stems. Foliage is very neat and a crisp dark green that looks great even when the plant is not in bloom. Plant this perennial Digitalis in partial shade or full sun in a soil that has been amended with plenty of organic matter. Plants will appreciate a deep watering during hot dry spells and benefit from a good layer of mulch

DIGITALIS DAVISIANA PRICE 1 @ \$8.00

Creamy flowers netted reddish orange in the throat this is a Turkish endemic and relatively rare in gardens.

DIGITALIS LANATA PRICE 1 @ \$8.00

Grecian foxglove is a highly ornamental species with tall spires of creamy flowers that are yellowish orange inside and netted and veined in dark orange, it has been grown as a commercial source for the drug digoxin.

DIGITALIS LUTEA PRICE 1 @ \$8.00

This charming spring-blooming perennial bears pale yellow tubular flowers on slender 3-foot stalks. *Digitalis lutea* has been cultivated since the 16th century in Britain and was established in American gardens by 1800. It forms a leafy clump the first season and flowers the second. Prefers part shade in hot regions and moist, well-drained loam

DIGITALIS OBSCURA PRICE 1 @ \$8.00

A most distinct Spanish endemic from the area near Puerto del Pinar on open slopes with limestone rubble at 1,100m; this shrubby perennial species has distinctive shiny narrow foliage and amber yellow foxgloves marked with red on the interior. Previously offered wild collections by the Archbalds were only 20-30cm high but these may be expected to get a bit taller if grow in rich conditions, wonderful in a dry sunny site.

DIGITALIS PARVIFLORA PRICE 1 @ \$8.00

Native to the mountains of northern Spain this perennial species features tall spires of rusty orange flowers, bees love Foxgloves and they have evolved a classic lip for them to land on and stamens that wipe pollen on their backs.

DIGITALIS THASPI 'SPANISH PEAKS' PRICE 1 @ \$8.00

Short spikes of raspberry rose flowers over miniature foxglove foliage. Very colorful. Not particular as to site or soil. 1999 Plant Select winner.

DIONYSIA ARETOIDES PRICE 1 @ \$19.00

It's fantastic, with rosettes of sticky-fuzzy narrow foliage and fragrant long tubed yellow flowers. We have a mix of several clones this year.

DISPORUM & DISPOROPSIS

With elegant arching stems, they are lovely interspersed with drifts of ferns and Trilliums. The Disporums and Disporopsis, along with their Polygonatum and Smilacina cousins form an integral part of the woodland garden. All except Disporopsis have both Asian and American counterparts, dating back to a time before the continents drifted. We were amazed to find that even the tropical looking evergreen Disporopsis survived unprotected.

DISPOROPSIS ARISANENSIS PRICE 1 @ \$12.00

These came from Dan with no collection data. He described them as forming colonies of 8" stems, evergreen with the typical nodding creamy bells, and warns of confusion with the larger *D. fusca-picta* from Sichuan. I admit to confusion, our plants have huge rhizomes as thick as your thumb that have not only cracked their stockpots but taken to climbing up and out of the pots, looking very green and photosynthetic and altogether almost epiphytic, not at all the demure little 8" thing I had expected, mind you I'm not complaining these are cool.

DISPOROPSIS PERNEYI 'BILL BAKER FORM' PRICE 1 @ \$12.00

Evergreen Solomon's seal, really, we don't make these things up. This is another of the cool new woodland plants coming out of China of late. A rare form with large creamy white flowers tipped in purplish black in the leaf axils, this can take a lot of shade. Thinking of buying yet another Hosta that probably looks pretty much like a zillion others, show some backbone, or at least a notochord and purchase Disporopsis instead.

DISPOROPSIS PERNEYI 'HERONWOOD FORM' PRICE 1 @ \$12.00

A second *D. perneyi* clone from Hinkley, we suggest growing more than one clone to improve fruit set, the ornamental fruits are bluish black and sit in the leaf axils.

DISPORUM CANTONIENSE 'AUREOVARIEGATA'PRICE 1 @ \$15.00

A rare and beautiful Disporum this handsome form is seldom available; it is worthy of a prominent place in your woodland garden. Reputedly on the tender side now that we have propagated a few we will try it outdoors, we suggest plenty of protection north of zone 7.

DISPORUM LONGISTYLUM 'GREEN GIANT' PRICE 1 @ \$39.00

This stunning woodlander was found and named by noted plant explorer, dan hinkley in sichuan province, china. It's robust, 8'-10' bamboo-like shoots emerge in shades of pink, white and green, maturing to deep green. Fragrant branched sprays of creamy-white flowers unfurl like nodding bells with the new growth each spring; flowers are followed by glistening black fruit in fall. It was originally a *d. Cantoniense* cultivar along with disporum 'night heron' however bleddydd wynn-jones has identified both of them as *d. Longistylum*. This came to us from dan when heronswood was still a cutting edge nursery and we liked our stock plant so much we couldn't bring ourselves to cut it up. Dawn took a machete to it last spring and now we have a few to offer, this thing is not a fast multiplier.

DISPORUM CANTONIENSE 'NIGHT HERON'PRICE 1 @ \$19.00

4-5' stems purple stems, the leaves gradually turn green as the summer progresses, and dangling greenish yellow flowers. We think it's one of Dan's best introductions.

DISPORUM SP AFF. CANTONIENSE DJHC 724PRICE 1 @ \$12.00

Hinkley's collection from above boaxing in 1996, evergreen stems to 5' in mild regions, dying to the ground in colder climates, marginal at best here.

DISPORUM FLAVUM (FLAVENS?) PRICE \$12.00

Solomon's Seal-like woodlander, the yellow flowers are among the largest and showiest of any we have seen. They came to us as flavum but the taxonomy of the cultivated Disporums is a mess; very choice in any event.

DISPORUM MEGALANTHUMPRICE 1 @ \$15.00

A rarity with green tipped creamy bells and deep green foliage, it is slow to increase for a Disporum.

DISPORUM SESSILE 'CHIGGER' PRICE 1 @ \$12.00

A neat dwarf from Yinger this Japanese gem is only a few inches tall with internally streaked foliage, very cool.

DISPORUM SESSILE 'TIGHT WAD'PRICE 1 @ \$19.00

A Korean form growing about half the height of typical sessile with large pendant creamy bells, it is slow growing and choice enough for a woodland trough.

DISPORUM SESSILE VARIEGATA BROAD LEAF FORMPRICE 1 @ \$12.00

A white margined form, I find it a bit slower to establish then the narrow leaved form and the broad leaf form is far less common in gardens.

DISPORUM SMILACINUM 'AUREOVARIEGATA'PRICE 1 @ \$19.00

A variegated version of this Japanese and Korean species, colonies of foot-high variegated foliage with 2cm white flowers followed by black berries.

DISPORUM VIRIDESCENS HC 970422PRICE 1 @ \$12.00

Dan's collections from Chiri-San in 1977, arched branching stems to 18" bear starry white flowers followed by bluish-black fruit.

DODECATHEON JEFFREYI 98-209PRICE 1 @ \$8.00

The largest Dodecatheon Ron has offered; huge scapes to 30" arise from rosettes of 18" leaves, immense clusters of 24 or more flowers with white corolla tubes, the color extending into the petals and gradually shading from lavender pink to violet at the tips, this thing is a monster.

DODECATHEON MEADIA ROTE FARBENPRICE 1 @ \$8.00

Another German selection this time with red flowers which are somewhat unusual in media, I wouldn't be surprised to find they are actually hybrids.

DODECATHEON PULCHELLUMPRICE 1 @ \$8.00

A widespread and quite variable species pulchellum generally has rich deep pink flowers on medium sized plants, these are seeded from good German garden forms and should be nice.

DORONICUM ORIENTALE (CAUCASICUM) 'LITTLE LEO'PRICE 1 @ \$8.00

A dwarf form from Germany with semi-double long petaled golden daisy flowers to 8cm across on compact 35cm high plants, it is very early blooming and a welcome addition to the spring bulb display.

DRABA

Drabas create one of the first big shows in the spring rock garden; it is always a treat to watch the bees picking out flowers emerging from the melting snow. Below you will find easy and indestructible forms for the open garden as well as fuzz balls choice enough for your best lump of tufa or trough. Try potting a few in show pans in the manner of the Europeans, even non rock gardeners will turn their heads.

DRABA AFF. AIZOONPRICE 1 @ \$6.50

Nice hard spiny cushions with typical yellow draba flowers this is long lived and easy in the garden.

DRABA AIZOIDESPRICE 1 @ \$6.50

An excellent yellow Draba making hard cushions of bristly deep green rosettes topped by fragrant yellow flowers on short scapes very early in spring. Ours are mobbed by honeybees each spring when there are still patches of snow on the ground.

DRABA ATHOA EUROSEED 233PRICE 1 @ \$6.50

Native to only a few mountaintops in Greece. Mats of spiny broadish rosettes and little yellow crosses on 3-inch stems Mojmir collected these at 1900m in the Killini Mts of Greece.

DRABA BRUNIFOLIA SSP OLYMPICA #19 JURASEKPRICE 1 @ \$6.50

Beautiful dwarf dense cushions of rosettes with stiff ciliate margined linear leaves 3-4mm long and 3-7 large dark yellow flowers on 1-2cm scapes, a Jurasek collection from the stony eroded hills of Ulu Dagh at 2300m.

DRABA BRYOIDES IMBRICATA EX SISK.(RIGIDA BRYOIDES) ..PRICE 1 @ \$8.00

This form makes a hard dome of tiny narrow leaved rosettes, yellow flowers on inch high thready stems, an outstanding tough plant and much easier to grow than the fuzzy ones. I've seen numerous plants under this name and this Siskiyou clone is among the best, though perhaps not as fine as the tightly imbricated form Betty Blake grew nor the Holubec forms, I would probably have placed it as *D. rigida bryoides*.

DRABA BRYOIDES CAUCASUS CENTRAL PARTPRICE 1 @ \$8.00

Another fine form Holubec collected in the Albrus region Found on silicate rocks the compact rounded cushions produce large rich yellow flowers on short stems, an excellent easy plant and the real thing unlike the multitudes of other things posing as this on the seedex lists.

DRABA CAPPADOCICA PRICE 1 @ \$8.00
 Piatek calls it one of the easiest of the elite Drabas, (this form is not as furry as some but it's still a fuzz ball and requires care in watering) with tight gray green velvety buns that metamorphose into yellow mounds early each spring. He collected it on Ercyies Dag at 3000m.

DRABA DEDEANA PRICE 1 @ \$8.00
 I have high hopes for these, the rosettes are large and very hard looking as good as any stiff Draba I have ever grown; Mojmir collected them from rock crevices at 1500m near Cuenca Spain, where they form hard cushions of spiny rosettes 10cm across. They are not wet sensitive, indeed for such a choice Draba culture is positively easy, flowers are white and the best forms have huge broad petaled flowers, not the squinny narrow crap you get from the seed exchanges, Mojmir described these as large flowered, and I am waiting anxiously for the first flowers this winter. At its best dedeana is the finest of the white flowered Drabas.

DRABA HISPANICA PRICE 1 @ \$6.50
 Collected by Holubec, who based on his bryoides collections has exquisite taste in Drabas; he collected these from limestone crevices in the Sierra Nevada at 1900m. A long time favorite of mine, the rosettes of long leaves are quite distinct although in this form they are broader than most forms I have grown in the past, flowers are bright yellow on 3-5cm stems, this is one of most elegant of the non fuzz ball Drabas.

DRABA OSSETICA V. RACEMOSA PRICE 1 @ \$8.00
 The best new Draba we have seen in a long time this started making the rounds a few years ago, a tight mound of fuzzy foliage that rivals Draba acaulis, excellent white flowers on short scapes it is destined to become a classic.

DRABA RIGIDA #858 PRICE 1 @ \$6.50
 The real thing with flattish small rosettes Jurasek collections and quite unlike bryoides.

DRABA THYMBRIPYRESTUS PRICE 1 @ \$6.50
 Yet another yellow flowered little draba, Rarely offered and quite compact.

DRACOCEPHALUM RUYTSCHIANUM PRICE 1 @ \$6.50
 Nordic Dragonhead (sounds kinky) to 16"-24", and forming neat bushlets of attractive foliage. Lovely blue flowers but a little large for even the biggest rock garden but tidy plants.

DROSANTHEMUM HISPIDUM PRICE 1 @ \$6.50
 One of the most exciting new plant introductions, like a miniature Delosperma cooperi, perfect for troughs, should be fairly hardy if kept dry. We donated a few of these to the local rock garden society sale & they were scarfed up immediately. Everyone who has seen it wants it, it blooms continuously, absolutely amazing.

DUDLEYA CYMOSA SSP. PUMILA Ratko #96-225 PRICE 1 @ \$8.00
 Ratko calls it the best form he has seen with a candelabra of bright orange-red flowers with a thick almost translucent texture on short stems; 2" rosettes range in color from a glaucous silvery blue dusted with white powder to a maroonish olive green, Collected in California at 2,400', he claims its a hardy form.

DUDLEYA CYMOSA SSP. PUMILA Ratko's 96-226 PRICE 1 @ \$8.00
 Definitely the hardest form collected at 7,200', 2-3 inch candelabras of bright Zauschneria red flowers on short stems; 2" rosettes are a glaucous silvery blue dusted with white powder, Collected in California at 7,200'.

DUDLEYA EDULIS 03 247 PRICE 1 @ \$8.00
 Tired of barbequed goat tacos how about Kiviak, a traditional Eskimo Christmas feast that is sure to get you talked about, it takes a bit of planning. First, kill a seal (clubbing is best as you want no holes in the skin) skin it out through the mouth to produce a seal shaped bag. Find some nesting Auks (Puffins or seabirds can work) stuff the seal with whole birds (feathers and all) along with their eggs and some seaweed. Sew up mouth and bury for eight months or so, Dig it up and scrape out the resulting goop. Kiviak is great but it needs a little something extra we suggest you garnish it with Dudleya edulis before serving. You'll need something special for desert to get the taste out of your mouth, we suggest fully ripe Durian.

DUGALDIA HOOPSII PRICE 1 @ \$8.00
 A RMRP offering of this orange sneezeweed collected in the Sangre de Cristo Mts in damp subalpine meadows at 10,400', Punnett X'ed it in the seed list, what can I say yellow orange coneflowers, maybe Dick knows something I don't.

DYSOSMA DIFFORMIS PRICE 1 @ \$24.00
 Beautiful pendant maroon flowers below a pair of odly geometrical leaves, this is a great mayapple, this is a genus that deserves attention by the hybridizers.

EBENUS LAGUROIDES SSP LAGUROIDES PRICE 1 @ \$8.00
 Native to Turkey at moderate to high altitudes this is a hardy form with silky white fuzzy cushions and attractive heads of reddish pink pea flowers, it could easily be mistaken for a choice astragalus. It has taken us 10 years to build up enough stock to offer.

EBENUS CRETICA ARCH 428-250 PRICE 1 @ \$8.00
 An Archibald collection north of Moni, Crete at 125m, it's one of the most outstanding chasmophytes native to the limestone gorges of Crete and actually growable, although virtually unobtainable to all but members of the inner circle. Well maybe I should rephrase that; elite growers with Archibald's skill stand a chance of keeping it alive. A dwarf shrubby legume it forms 20-30cm high compact plants with silky grayish white foliage and dense racemes of bright pink flowers with papery silvery bracts.

ECHINACEA PALLIDA PRICE 1 @ \$8.00
 A spectacular species superficially similar to angustifolia but larger overall reaching 4' in height with florets that droop 9cm below the disk.

ECHINACEA PALLIDA 'HULA DANCER' PRICE 1 @ \$12.00
 Thin quill like pink rays hang like a hula skirt, the human version would be quite revealing, alas this will only arouse kinky botanists.

ECHINACEA PURPUREA 'BIG SKY SUNRISE' PRICE 1 @ \$12.00
 Another of the new selections with some paradox in it's blood, we are still sorting out which of these are the best performers in the midwest.

ECHINACEA PURPUREA 'DOUBLE DECKER' PRICE 1 @ \$12.00
 Skewered flowers one atop the other, it does have a certain weird appeal.

ECHINACEA PURPUREA MAGNUS PRICE 1 @ \$8.00
 Intensely colored with very broad horizontally held petals; great for cut flower production.

ECHINACEA PURPUREA 'PRAIRIE FROST' PRICE 1 @ \$12.00
 A speckly variegated version with typical pink frost

ECHINACEA PURPUREA 'RUBINSTERN' PRICE 1 @ \$8.00
 Hey Conesheads, don't get caught short we have an improved form of 'Magnus' with horizontally held intense carmine red petals atop meter high stems, supposedly this represents the ultimate coneflower, it will conquer the world, maybe.

ECHINACEA PURPUREA 'RUBY GIANT' PRICE 1 @ \$12.00
 this is a reselection out of rubinstern with larger flowers, very nice.

ECHINACEA PURPUREA 'SPARKLER' PRICE 1 @ \$12.00
 White leaves with random green dots, I much prefer edged or centered forms but this is showy and definitely different, seedlings from it could be interesting.

ECHINACEA PURPUREA 'STARLIGHT' PRICE 1 @ \$12.00
 This is an improved and reselected version of the old standby Bright Star with larger flowers and less tendency to droop petals.

ECHINACEA PURPUREA 'SUMMER SKY' PRICE 1 @ \$12.00
 Multi-colored with orange petals and a pinkish halo, pretty is a subtle sort of way.

ECHINOPS BANATICUS 'BLUE GLOW' PRICE 1 @ \$6.50
 Globular blue flowers, attractive for cutting, the steely blue cricket hunters, and spider wasps love em, flashing metallic colors as they flick their wings.

ECHINOPSIS SPACHIANA PRICE 1 @ \$8.00
 Multi-stemmed columnar cactus, native to Western Argentina and Bolivia, basally branching, 2 to 2.5 inches in diameter (5-6 cm), 7 feet tall (2 m) Large white nocturnal flowers in late spring. The flowers are up to 8 inches long (20 cm), 6 inches in diameter (15 cm).

ECHIUM RUSSICUM PRICE 1 @ \$8.00
 A seldom offered species native from Eastern Europe through the Caucasus with dark red spikes of flowers, it is extremely showy and while it can be monocarpic Rix, who has an good picture on p.170 of Perennials v.1 reports it perennial if planted on sandy soils in full sun.

EDRIANTHUS TENUIFOLIUS PRICE 1 @ \$8.00
 Native from Yugoslavia to Greece this narrow leaved mat former is similar to graminifolius and equally garden worthy.

EOMECON CHIONANTHA PRICE 1 @ \$8.00
 Asian Bloodroot, I've heard that it can be a weed in some areas, but not here, or for Punnett. It sends up clumps of Bloodroot like leaves rather widely spaced on long underground stolons, the diaphanous white flowers are in racemes above the foliage, giving a more ornamental effect than our native species.

EPIMEDIUM

One of my favorite genera in the Berberidaceae, Epimediums are indispensable as ground covers; they are amazingly drought tolerant once established and perfect in difficult dry shaded sites although they will tolerate everything from fairly deep shade to nearly full sun. We particularly like them in conjunction with Cyclamen, the combination of emerging bronze and red foliage is unforgettable in spring; many growers cut back the evergreen forms in early spring to better appreciate the new leaves. Until recently, the selection was a bit slim however there has been a flood of new material emerging from China in recent years. We are pleased to offer a number of outstanding newer forms as well as may of the old favorites. Nomenclature on the new material is still a problem however the new Kew monograph may improve this situation next year, (it arrived too late for changes), and please don't be put off by the confusing inner-sepal spur-petal terminology. Just enjoy the exotic spidery flowers and the magnificent foliage. Or perhaps take a walk on the wild side and explore their erotic horny goat weed reputation (as if goats need help in this regard), while we don't advocate them as a Viagra substitute, it may help answer the question of how China got a population that numbers in the billions, some pharmaceutical company could get rich on this one.

EPIMEDIUM ACUMINATUM DJHC 842 PRICE 1 @ \$25.00
 A sensational species with beautiful multihued pink red and bronze evergreen foliage creating a fantastic display when it is immersing in spring and huge bicolored purple and white spidery flowers, it's one of the showiest species we grow.

EPIMEDIUM ACUMINATUM EX PUNNETT PRICE 1 @ \$25.00
 Similar to the above, these are from plants in Punnett's garden.

EPIMEDIUM 'BLACK SEA' PRICE 1 @ \$15.00
 Considered to be a hybrid between pinnatum colchicum and something else it is an excellent garden plant free blooming with peachy flowers held well above the foliage on wiry stems with deep purple foliage in autumn.

EPIMEDIUM BRACHYRRHIZUM PRICE 1 @ \$25.00
 Gigantic 2" spidery rose pink two-toned flowers this outstanding new species was discovered in 1994 in Guizhou Provence, mottled leathery semi-evergreen foliage in slowly increasing clumps. It is rather similar to Epimedium leptorrhizum but with shorter rhizomes.

EPIMEDIUM BRACHYRRHIZUM CC.940173 PRICE 1 @ \$25.00
 A daryl Probst selection of the species

EPIMEDIUM BRACHYRRHIZUM 'ELFIN MAGIC' PRICE 1 @ \$25.00
 An excellent selection from Epimedium guru Daryl Probst, gigantic 2" spidery rose pink two-toned flowers this outstanding new species was discovered in 1994 in Guizhou Provence. Mottled leathery semi-evergreen foliage in slowly increasing clumps it is rather similar to Epimedium leptorrhizum but with shorter rhizomes 'Elfin Magic' is a particularly compact clone.

EPIMEDIUM BREVICORNU DAR CC.950224 PRICE 1 @ \$19.00
 This has been known since Farrer's time, he found it in Southern Gansu and described the flowers as snowy butterflies aflutter atop the spike.

EPIMEDIUM COREANUM PRICE 1 @ \$25.00
 Dick brought us this tagged Epimedium coreanum however it may be confused in cultivation with a plant Daryl Probst offers as Epimedium grandiflorum ssp. koreanum 'Harold Epstein' whatever the name it is a slow growing clumper like grandiflorum with huge yellow flowers.

EPIMEDIUM DAVIDII PRICE 1 @ \$15.00
 Fantastic as a massed groundcover or bright accent in the woodland, davidii features rather large long spurred bright yellow flowers held well above the jagged toothed glossy evergreen foliage. Some growers cut the evergreen foliage types back in spring to better display the brilliant emerging new spring growth, we seldom get around to it and they still look good.

EPIMEDIUM DIPHYLLUM NANUM CC 950054 PRICE 1 @ \$25.00
 An elegant dwarf plant from the woodlands of Shikoku and Kyushu with compact semi evergreen mounds of jeffersoniaish foliage and sprays of delicate nodding white spurless flowers, this is small enough to use in a woodland trough.

EPIMEDIUM DOLICHOSTEMON PRICE 1@ \$19.00
 These probably date from Ogisu's 1988 Sichuan introductions the name refers to the long stamens, which give the flowers a Shooting Star effect.

EPIMEDIUM ECALCARATUM PRICE 1@ \$25.00
 Clouds of rich yellow bell shaped flowers the petals and sepals forming a bell like perianth in the manner of *Semiaquilegia ecalcarata*, this choice and distinctive species is still quite new to western cultivation.

EPIMEDIUM EPSTEINII 940336 PRICE 1@ \$25.00
 A stunning plant discovered by the Beijing botanic garden and named in honor of the renowned plantsman Harold Epstein. Its one of the showiest species with huge two toned mauve-purple and white long spurred flowers and a vigorous running evergreen habit. It is a good grower and stops everyone who sees it for the first time dead in their tracks.

EPIMEDIUM EPSTEINII EX KAICHEN PRICE 1@ \$25.00
 These originated with Kaichen in china, ex wild stock.

EPIMEDIUM FRANCHETII CC950065 PRICE 1@ \$15.00
 Large elegant mounds of coppery bronze foliage neatly trifoliate with 5" leaves this is a large plant and well grown clumps can reach 2' in height not including the tall sprays bearing rather large long spurred yellow flowers with greenish to reddish inner sepals which are produced over a long season. First described by Stearns in 1996; prior to that it was thought to be a form of *acuminatum*.

EPIMEDIUM GRANDIFLORUM ALBA PRICE 1@ \$15.00
 Large white flowers, the grandiflorum forms make excellent garden plants, they stay in neat clumps and are never invasive.

EPIMEDIUM GRANDIFLORUM 'BENEDICT'S VIOLET' PRICE 1@ \$19.00
 Raised by Herb Benedict the well known hosta breeder, the large violet flowers make a good show beside the new leaves. It is a bit slow to establish but is very showy once it get's going.

EPIMEDIUM GRANDIFLORUM 'IRENE' PRICE 1@ \$19.00
 Very large flowers on compact non-invasive plants Irene looks very neat in the landscape

EPIMEDIUM GRANDIFLORUM 'NANUM' PRICE 1@ \$19.00
 Very compact with white flowers and dark edged leaves this is slow to increase so be patient, it will take a few years to form a nice clump.

EPIM. GRANDIFLORUM 'PURPLE PRINCE' CC950123 PROBST . PRICE 1@ \$19.00
 Epimedium 'Purple Prince' makes a nice clump of heart-shaped, deer-resistant leaves that emerge rose-colored and form an 8" tall clump, topped with spikes of huge two tone light and dark purple flowers.

EPIMEDIUM GRANDIFLORUM 'RED QUEEN' CC.950055 PRICE 1@ \$19.00
 Red Queen is nice, very large flowered however red is relative, the colors shade but true red it is not.

EPIMEDIUM GRANDIFLORUM ' SAXTON'S PURPLE' PRICE 1@ \$15.00
 An outstanding grandiflorum cultivar with huge two tone reddish purple white-footed spiders suspended menacingly above the mounds of blood tinged foliage; it's a clumper so you won't have to worry about it attacking nearby plants.

EPIMEDIUM GRANDIFLORUM 'SILVER QUEEN' PRICE 1@ \$15.00
 Another large flowered white, big clumps are very impressive.

EPIMEDIUM GRANDIFLORUM ' SIRIUS' CC.920024 PRICE 1@ \$19.00
 Very large shell pink flowers, the name seems unconnected to either the star or the satellite radio service.

EPIMEDIUM GRAND.SSP KOREANUM 'HAROLD EPSTEIN' PRICE 1@ \$25.00
 Dick says this is the largest flowered Epimedium he grows. It is also rather shy flowering and a crappy grower, it resents being divided and may sulk for several years afterwards.

EPIMEDIUM GRANDIFLORUM V. HIGOENSE CC. 950071 PRICE 1@ \$25.00
 Another good large flowered plant we got from Daryl Probst.

EPIMEDIUM GRANDIFLORUM V. VIOLACEUM 'BRONZE MAIDEN' \$19.00
 A dwarf plant with bronze foliage and large light pink flowers, it is lovely but slow to multiply, taking several years to clump up in the garden.

EPIMEDIUM GRANDIFLORUM V. VIOLACEUM CC.980001 PRICE 1@ \$19.00
 Large pale purple flowers, very showy.

EPIMEDIUM GRANDIFLORUM 'VARIEGATA' \$19.00
 A streaky variegated form from Herronswood, with luck it will eventually throw an edged form.

EPIMEDIUM GRANDIFLORUM 'YUBAEI' PRICE 1@ \$15.00
 This appears to be identical with 'Rose Queen' with large deep rose pink flowers and fiber optic white tipped spurs.

EPIMEDIUM 'KAGUYAHIME' PRICE 1@ \$25.00
 A chance hybrid between *acuminatum* and *dolichostemon* that occurred in Yamaguchi's garden in Japan with large pink and purple flowers and perhaps the best foliage of any Epimedium we grow.

EPIMEDIUM LEPTORRHIZUM PRICE 1@ \$25.00
 The parent of some incredible hybrids, *leptorrhizum* is a large flowered species with two-toned pink and white flowers that are very similar to *brachyrrhizum*. It is popular with breeders due to the large flower size and vigorous growth.

EPIMEDIUM LISHICHENII CC950008 PRICE 1@ \$20.00
 4-Legged Freaks! *Lycosus epimediensis*; alien looking yellow spiders walking tippy-toe, the effect is uncanny due to the extremely long curved spurs, these look like they could walk away and hunt some prey. Ender says the protruding stamens are actually a disintegrator ray projector, vine weevils beware, flee or be vaporized, earthlings take notice *lishichenii* is one of the coolest new Epimediums we have seen.

EPIM. LEPTORRHIZUM X DOLICHOSTEMON 'ENCHANTRESS' PRICE 1@ \$25.00
 English hybrid from Washfield Nursery...Elizabeth Strangman's cross of *E. dolichostemon* and *E. leptorrhizum* has lovely pink flowers held above the long narrow evergreen leaves.

EPIMEDIUM MYRIANTHUM CC.94008 PRICE 1@ \$25.00
 Similar to *sagittatum* with myriads of white starry flowers, think of this as baby's breath for the shade garden, foliage is excellent as well.

EPIMEDIUM OGISUI OG 91.001 PRICE 1@ \$25.00
 Rather large white on white flowers with broad petal like inner sepals and white narrow spurred petals this elegant species is named for the renowned Japanese botanist and Epimedium maven, Mikinori Ogisue.

EPIMEDIUM PAUCIFLORUM PRICE 1@ \$30.00
 A new species only recently described with nice evergreen foliage and a rhizomatous creeping habit, flowers are reasonably large with lilac inner sepals surrounded by much longer white spurs suffused and streaked pink at the base.

EPIMEDIUM X PERRALCHICUM 'FROHNLEITEN' PRICE 1@ \$12.00
Perralderianum x pinnatum colchicum, 'Frohnleiten' is intermediate between the two but with more finely toothed foliage; It has lovely reddish markings in fall some of the literature reports it as a bit tender, I guess our plants never read the books.

EPIMEDIUM X PERRALCHICUM 'WISLEY' PRICE 1@ \$12.00
 The original *perralchicum* this is a chance crossing that occurred at Wisley between *Perralderianum x pinnatum colchicum*, which were growing near each other, it produces masses of round orangish yellow flowers quite unlike the spidery stars that are typical of Epimedium.

EPIMEDIUM PERRALDERIANUM 'WEIHENSTEPHAN' PRICE 1@ \$12.00
 In cultivation since the 1860's, this Algerian species is a lot tougher than you would expect, 'Weihenstephan' is similar to the species but faster spreading with larger leaves and flowers.

EPIMEDIUM PUBESCENS OG 91.003 PRICE 1@ \$20.00
 An early blooming species (site it carefully to avoid damage from late frosts) from Central China with outstanding red mottled foliage that is lovely against our early winter snows and 2" arching airy sprays of stary flowers. The white sepals spread flat in a four pointed star set in the center with brilliant gold petals from which protrude the Dodecatheon like mass of stamens; an excellent selection made by Mikinori Ogisue it is supposed to be remontant but we have seen little tendency to rebloom here at Arrowhead.

EPIMEDIUM PUBIGERUM PRICE 1@ \$12.00
 Allied to alpinum but with a shorter rhizome making it more clump forming, it makes a good show in the garden holding its substantial flowers well above the mounds of drought tolerant leathery foliage, this rare species is native to montane woods in the Transcaucasus.

EPIMEDIUM SAGITTATUM PRICE 1@ \$20.00
 A very distinctive species from Hubei Provence with slender 6" long lustrous evergreen leaves. Myriads of small stary white flowers are borne on airy Baby's Breath sprays.

EPIMEDIUM SPECIES #3 PRICE 1@ \$20.00
 A new Chinese collection, I suspect there are several species circulating under this number, when it flowers this spring we will attempt to key it.

EPIMEDIUM 'SPECIES #4 D-21' PRICE 1@ \$15.00
 A mystery from Chen Yi who has probably offered more than one species number 4. This one is spectacular, a bit reminiscent of *acuminatum*, with snow-white flowers set with a purple four petaled star. It is one of the showiest species we grow and one of the best selling Epimediums here at the nursery

EPIMEDIUM STELLULATUM 'WUDANG STAR' PRICE 1@ \$20.00
 A rare Chinese species only recently available with long distinctive spiny foliage and 18" sprays of 40+ stary flowers, 'Wudang Star' features contrasting brownish mauve petals and an extremely floriferous habit.

EPIMEDIUM SUTCHUENSE CC.97002 PRICE 1@ \$20.00
 Another of the new species emerging from China in recent years, sprays of 20 or so medium sized flowers white sepals flushed purple with reddish purple long spurred petals, and nicely mottled young foliage.

EPIMEDIUM SUTCHUENSE CC.950017 PRICE 1@ \$20.00
 As above but from a different collection

EPIMEDIUM VERSICOLOR SULPHUREUM PRICE 1@ \$12.00
 Mint green heart shaped leaves tinged red when young & coppery in fall, sulfur yellow flowers, 1' stems.

EPIMEDIUM WUSHANENSE PRICE 1@ \$25.00
 This rare evergreen species commands attention with its long narrow foliage mottled in shades of burgundy. Eventually turning green, the leaves are followed by 24-inch stems carrying long-lasting, blushing tangerine to lavender flowers.

EPIMEDIUM X 'AFTER MIDNIGHT' PRICE 1@ \$25.
 Introduced by Diana Reeck 'After Midnight' is a clumping deciduous hybrid with many small stary white flowers displayed against chocolate brown leaves that later turn green with a slight reddish-brown edge. Z5

EPIMEDIUM X CANTABRIGIENSE PRICE 1@ \$12.00
 A chance hybrid between alpinum and pubigerum that occurred in Cambridge, the two-tone flowers are comprised of bright red sepals and yellow petals and held on 18" stems well above the foliage.

EPIMEDIUM X 'FLAMINGO DANCER' PRICE 1@ \$25.00
 A stunning cultivar, with bright pink, long-spurred petals with white tips, and lighter pink outer sepals on arching reddish stems well above the elongated foliage. A semi-evergreen deciduous clumping form, in spring it emerges with lovely patterns of multi-hued mottling, with a slight silvering in the veins.

EPIMEDIUM X OMEIENSE 'STORM CLOUDS' OG 82.002 PRICE 1@ \$25.00
 Omeiense is a naturally occurring hybrid between Epimedium *acuminatum* and Epimedium *fangii* bearing mottled and blotched evergreen lance shaped leaflets and tall cymes of large two-tone flowers; Ogisue's 'Storm Clouds' is one of the darkest colored Epimediums with fantastic dark chocolate flowers, originally collected on Mt Emei by Ogisue and introduced by Robin White of Blackthorn.

EPIMEDIUM X 'PEARL DROPS' PRICE 1@ \$25.00
 pure white flowers with rounded petals arch together to form a shimmering pearly white drop that hangs below outspread pure white sepals. The broad deciduous leaves are a nice clean green, with a clumping habit, to about 15" tall in flower. A Collector's Nursery Introduction

EPIMEDIUM X RUBRUM PRICE 1@ \$12.00
 Hybrid with unusual red & yellow flowers, this multiplies well and is very hardy.

EPIMEDIUM X 'SHRIMP GIRL' PRICE 1@ \$25.00
 This delightful Epimedium has flowers composed of reddish-pink sepals with pale yellow spurs on very slender stems in May

EPIMEDIUM X WARLEYENSE PRICE 1@ \$12.00
 A garden hybrid between Epimedium *pinnatum colchicum* and Epimedium *alpinum* with coppery orange flowers, it has been around for quite a while but remains an excellent garden plant.

EPIMEDIUM X YOUNGIANUM #229 EX PUNNETT PRICE 1@ \$12.00
 A numbered selection Punnett brought in, it will probably get named eventually.

EPIMEDIUM X YOUNGIANUM 'BENI-KUJAKU' PRICE 1@ \$19.00

The grex is E. grandiflorum x E. diphyllum 'Beni-Kujaku' is a selected hybrid with dark rose flowers, petals and sepals are nearly the same length producing an almost double looking flower.

EPIMEDIUM X YOUNGIANUM 'KOZAKURA' Daryl Cc.950194 PRICE 1@ \$19.00
Another of the new youngianum clones this came from Daryl Probst, the pale pink downward facing bell-like flowers appear double from a distance

EPIMEDIUM X YOUNGIANUM NIVEUM PRICE 1@ \$12.00
A snow-white selection with abundant but rather small flowers and excellent orange scarlet fall color.

EPIMEDIUM X YOUNGIANUM ROSEUM PRICE 1@ \$12.00
Flowers of a delicate lavender lilac, held well above the foliage, which changes from red in the spring to mint green in the summer.

EPIPACTUS GIGANTEA PRICE 1@ \$12.00
Native to the southwestern U.S. on sandstone, this will creep aggressively if happy, sending up scapes of fifteen or so greenish purplish red veined flowers on scapes that can reach 90cm although usually less.

EPIPACTUS PALUSTRIS PRICE 1@ \$12.00
These came to us several years ago from Tony Reznicek, a European species to about 50cm tall, flowers purplish green with red veins and yellow dots, as you would guess from the name it inhabits marshes and fens.

ERIGERON GLAUCUS PRICE 1@ \$6.50
Tufted, forming low mounds this California native has large pale violet to lavender flowers and is an excellent garden plant.

ERIGERON LINEARIS PRICE 1@ \$6.50
The plants form very compact tufts of narrow blue gray foliage that is obscured by the abundant yellow daisies when it's in bloom.

ERIGERON PERIGRINUS PRICE 1@ \$6.50
An outstanding Fleabane native from Oregon to Alaska, compact plants with abundant purple daisies.

ERIGERON PINNATISECTUS PRICE 1@ \$6.50
A medium sized plant perfect for a larger rock garden, with abundant purple daisies and dissected foliage.

ERIGERON SCOPULORUM (SCOPULINUS) PRICE 1@ \$6.50
One of the better silvery westerners, Fred Case gave us this one, he got it from Sonja Collins. Generally I'm not too taken with the genus, I liked this enough to beg a piece; nice mats and very permanent.

ERIGERON SPECIOSUS AZURE FAIRY PRICE 1@ \$6.50
Azure blue Fleabane daisies, this has stood the test of time, a great free blooming border perennial that is probably useless against fleas.

ERINACEA ANTHYLLIS (PUNGENS) PRICE 1@ \$12.00
An essentially monotypic genus of legumes, (they elevated a sub species to specific rank); no matter, this is a rare and choice spiny legume native to Spain and Morocco forming foot high mounds of spiny green stems that have few leaves most of the year. The axillary clusters of two or three violet blue pea flowers emerge from their inflated calyces in early summer; hardy and long lived in a well-drained sunny site, this ranks among the best rock plants.

ERIOGONUM GIGANTEUM PRICE 1@ \$6.50
Saint Catherine's Lace is an evergreen shrub that commonly grows to four feet. A big buckwheat with pinkish white flowers fading to rust red

ERIOGONUM KENNEDYI PRICE 1@ \$6.50
A loose Kennedy what a surprise, there are so many ways to go with this, but they probably have an army of lawyers.

ERODIUM CHAMAEDRYOIDES ROSEUM 'CHARM' PRICE 1@ \$8.00
Charming it is, we completely sold out of this dwarf last season, small enough for a trough, with diminutive pink geranium like flowers, borderline hardy at best, but well worth the trouble of bringing in a plant or taking a few cuttings in fall.

ERODIUM CHAMAEDRYOIDES ROSEUM 'FL. PL.' PRICE 1@ \$8.00
Just like the above, but double, double flowers, double cute.

ERODIUM CHEILANTHIFOLIUM PRICE 1@ \$8.00
Low tufts of dissected foliage and sprays of pink flowers with prominent veining, a Spanish species often confused in gardens with trichomanifolium.

ERODIUM CHRYSANTHUM PRICE 1@ \$8.00
A dioecious species, this is a female form, with sulfur yellow flowers with faint reddish veining and purple pistils, males forms, which flower less freely, produce pale yellow to near white unvariegated flowers with pink anthers, it is a beautiful plant from the stony areas of Greece and quite slow to multiply.

ERODIUM CICUTARIUM PRICE 1@ \$8.00
This is a cute thing but is proving to be a bit of a weed on the greenhouse benches still, as weeds go it's pretty cute.

ERODIUM GLANDULOSUM ROSEUM PRICE 1@ \$8.00
Conspicuous with Erodium petraeum glandulosum according to the AGS, petraeum is now the lumping place for 15 or so of the finest Erodiums, I won't even attempt to make sense of the mess they created, if you know the plant you will buy it, if not trust me its nice.

ERODIUM MANESCAVII PRICE 1@ \$8.00
A large showy species from the Pyrenees this is very permanent for us, having persisted for years in our rock garden, is sows about moderately but has never been a weed with large magenta flowers for months we think it is one of the best large Erodiums.

ERODIUM PELERONIFOLIUM PRICE 1@ \$12.00
Woody based white flowered species from Anatolia, 30cm or so tall.

ERODIUM REICHARDII (CHAMAEDRYOIDES) PRICE 1@ \$8.00
I understand E. reichardii is now considered conspecific with E. chamaedryoides, however the plants as we grow them seem quite distinct, reichardii is larger and a bit coarser with larger white flowers intricately veined and suffused at the base with purple.

ERYNGIUM

Eryngium is a trendy genus in the last few years and justifiably so, wonderful bold accent plants, taprooted and very drought tolerant. They resent transplanting once established, and seed can be a challenge to germinate, although plants of most species present no problems. If you can't make up your mind which one to grow, do what we do. -- Grow 'em all.

ERYNGIUM CAMPASTRE PRICE 1@ \$8.00
A glaucous perennial to 60cm tall it's native to Europe and S.W. Asia with the typical heads of flowers surrounded by bluish white spiny bracts up to 4.5cm long.

ERYNGIUM MARITIMUM PRICE 1@ \$8.00
The prototype sea holly, a coastal plant with attractive glaucous blue stiff and pink foliage and ghostly white giganteum like bracts. It is one of the most beautiful in the genus but notoriously finicky when it comes to germinating in numbers.

ERYNGIUM PANDANIFOLIUM PRICE 1@ \$8.00
Also known as decaisneanum it is widespread in South America preferring marshes and wet fields, basal rosettes of sword like leaves up to 2.5m long give rise to a branching scape to 4 meters high studded with numerous reddish purple flower heads. There is an excellent photo in Rix however it lacks scale. This thing gets huge and is hardy to -10C according to Rix.

ERYNGIUM VENUSTUM PRICE 1@ \$8.00
Fantastic rosettes fishbone skeleton foliage topped by silvery spiny flowers on 40 cm stems venustum is unlike anything else in the genus.

ERYNGIUM X TRIPARTITUM PRICE 1@ \$8.00
Long cultivated this hybrid is of unknown parentage, metallic blue spiny flowers atop 120cm stems.

ERYSIMUM CAPITATUM VARIEGATUM PRICE 1@ \$8.00
This is an outstanding variegated wallflower, we've had it for several years now but it is such a popular seller here at the nursery that it is always in short supply.

EUNOMIA OPPOSITIFOLIA (AETHIONEMA) PRICE 1@ \$8.00
Round glaucous gray leaves form a dense mat smothered in pink flowers in early spring, this Turkish candytuft is represented by a number of cultivated forms, our selection from Punnett is as good as it gets. A first rate plant, easy enough for beginners.

EUPATORIUM 'JOCIUS VARIEGATED' PRICE 1@ \$8.00
A spotty streak irregular variegated form, it is a bit big and coarse for my taste but great if you are landscaping in golf course scale.

EUPATORIUM CANNABINUM PRICE 1@ \$8.00
A widespread thing ranging from North Africa to Siberia, typical clusters of pink flowers and foliage that resembles cannabis, to enhance the effect we suggest interplanting it with Rubus lineatus and Vitex agnus castus.

EUPATORIUM DUBIUM 'LITTLE JOE' PRICE 1@ \$8.00
Eupatorium dubium 'Little Joe' A relatively dwarf Joe Pye Weed that is great for smaller gardens, it likes moist soils and is a reasonably good nectar plant for butterflies .

EUPATORIUM MACULATUM PRICE 1@ \$8.00
Our native Joe Pye weed 2m high stems topped with clusters of rose purple flowers, an outstanding wet meadow plant.

EUPATORIUM RUGOSUM 'CHOCOLATE' PRICE 1@ \$8.00
Fantastic 3-4' clumps of chocolate colored foliage topped in August and September by fluffy corymbs of small white flowers, for what it is worth this has been reclassified as Ageratina altissima 'Chocolate' indeed it does look a bit like some mutant ageratum.

EUP. X MARTINII VS. E. AMYGDALOIDES 'ASCOT RAINBOW' PRICE 1@ \$12.00
'Ascot Rainbow' has been selected for its distinct and unique variegated flowers and foliage. The flower color consists of cream, lime, and green while the foliage displays tones of cream, green/blue with stunning red-pink coloring throughout cooler months. A bit reminiscent of Daphne Gold dust. It is extremely drought tolerant and I suspect the beautiful Euphorbia sphinx will host on it.

EUPHORBIA AMYGDALOIDES RUBRA PRICE 1@ \$8.00
A tall showy red leafed selection, the lime green heads on 2' stems form an eye-catching contrast to the red foliage, one of the showiest Euphorbias.

EUPHORBIA BUSHIANA PRICE 1@ \$12.00
Similar in many respects to Euphorbia rigida, with the same fantastic foliage but slightly smaller in scale, these are from Holubec's collection from alpine meadows in the Fist region of the Western Caucasus at 2000m; flower bracts, are red.

EUPHORBIA DULCIS 'CHAMELEON' PRICE 1@ \$8.00
An excellent Euphorbia for foliage effect, 'Chameleon' has unusual purple foliage that greens out in the more shaded interior of the mound for a unique two-tone effect; stems are topped with the typical greenish yellow Euphorbia flowers which really stand out against the purple foliage. It does run by underground stolons but is relatively well behaved at least by Euphorbia standards.

EUPHORBIA POLYCHROMA PRICE 1@ \$8.00
Big mounds covered with yellow flowers in spring, it is very show and not too weedy. Unlike the variegated forms this is a good performer in the garden.

EUPHORBIA RIGIDA ARCH 481.503 PRICE 1@ \$12.00
A great rock garden euphorbia that we got from the late Jim Archibald the upright stems are clothed in long, pointed, powder-blue, leaves. In very early spring, the ends of each stem are adorned with yellow bracts similar to a miniature poinsettia .

EUPHORBIA SPINOSA PRICE 1@ \$12.00
Very popular, this was a big hit years ago when we still published a seed list and to this day never seem to have enough, dense shrublets to 10".

FARGESIA ROBUSTA 'GREEN SCREEN' PRICE 1@ \$24.00
A clumping bamboo taller and more upright than Fargesia nitida, it is quite sun tolerant but some afternoon shade is still preferred.

FARGESIA SCABRIDA 'ASIAN WONDER' PRICE 1@ \$24.00
A new introduction from China, this is a non invasive clumper growing up to 4 meters tall with one inch culms and hardness to -20c it is best in shade to part shade. It is also one of the food species for the Giant Panda.

FERULA ASSA-FOETIDA 'BIN LADEN'S FETISH' PRICE 1@ \$12.00
Who needs women when you have such a loyal multi purpose beast of burden to haul your sorry ass from cave to cave, stinking fleshy thick Iranian dildo roots, wait this is getting more confusing than a Taliban press release. Screw it, by the time you read this they will probably have vacuum bombed the bastard out of existence anyway.

FESTUCA 'ELIJA BLUE' PRICE 1 @ \$8.00
This is perhaps the bluest of all the Festuca we grow, neat tufts so blue they look spray-painted.

FILIPENDULA PALMATA 'KOKOME' PRICE 1 @ \$8.00
A very dwarf form with nice pink flowers atop compact 6-8" high plants, I like it a lot.

FILIPENDULA RUBRA VENUSTA PRICE 1 @ \$12.00
The largest most spectacular species attaining 8' in height with huge plumes of deep rose flowers, a rare prairie species in Michigan with only a few colonies statewide.

FILIPENDULA ULMARIA ALBA PLENA PRICE 1 @ \$12.00
As above but with airy cloud-like masses of double white flowers; this is being distributed by several large nurseries as *Filipendula rubra venusta* Alba; no way.

FILIPENDULA ULMARIA AUREA PRICE 1 @ \$12.00
A nice gold leaved form that we got from Heronswood back in 1998, we finally have enough divisions to offer it, it has been slow.

FILIPENDULA ULMARIA VARIEGATA PRICE 1 @ \$12.00
Beautiful broad white variegation this can have some of the finest variegated foliage you can imagine, unfortunately it is not particularly stable and has the annoying habit of changing to green or nearly green forms. To be its best you must cut out any green shoots once each season. Punnett had a faster approach he sprayed his entire patch with Roundup. We couldn't believe it; we had been searching unsuccessfully for propagation stock for a couple of years (he did bring us one tiny piece he missed.)

FRANCOA APENDICULATA PRICE 1 @ \$12.00
A large flowered coral bell cousin from Chile with showy scapes to 90cm of large (by coral bell standards) pink flowers some consider *Francoa monotypic* with but one variable species, other authorities list as many as five species.

GAILLARDIA

A fine Native American plant, *Gaillardia* is native from western Canada south to New Mexico. There are actually 20 or so species but the garden forms are all hybrids or selections of *G. aristata*. It will bloom for months and months producing a seemingly endless supply of large brightly colored daisies. It is best on dry sandy soils and will recover from damage if even a scrap of root is still alive propagating readily from root cuttings if you wish clonal material or easily from seed if you want some variation. We are pleased to offer the following forms

GAILLARDIA ARISTATA 'AMBER WHEELS' PRICE 1 @ \$6.50
Large yellow flowers with a reddish disc.

GAILLARDIA ARISTATA BURGUNDY PRICE 1 @ \$6.50
Deep wine red flowers.

GAILLARDIA ARISTATA GOBLIN (KOBOLD) PRICE 1 @ \$6.50
Yellow tipped red flowers and a dwarf compact habit.

GAILLARDIA ARISTATA TOKAJER PRICE 1 @ \$6.50
Bright orange and red flowers.

GALLIUM ODORATUM PRICE 1 @ \$6.50
A popular ground cover sweet woodruff is a classic with vanilla scented foliage and white flowers in spring, whether you use it to flavor spring wine or to feed the gorgeous *Gallium Sphinx* is up to you.

GAURA LINDHEIMERI 'CORRIES GOLD' (VARIEGATA) PRICE 1 @ \$6.50
Variegated form; flowers and habit the same as for the species; it is a very striking plant that combines first-rate foliage and abundant shimmering white flowers.

GAURA LINDHEIMERI 'SISKIYOU PINK' PRICE 1 @ \$6.50
Exciting pink cultivar, the arching stems of deep pink flowers are produced all summer, foliage is maroon mottled, an added plus; drought tolerant, this is an outstanding plant and a big break from the white forms.

GAZANIA LINEARIS PRICE 1 @ \$8.00
A hardy species from South Africa with evergreen mats comprised of rosettes of linear leaves and big gaudy yellow daisies often with interesting basal blotches and markings.

GENTIANA CRUCIATA PRICE 1 @ \$8.00
Cruciata is lovely with small clusters of inch long blue flowers, native throughout Eurasia this is the easiest of *Gentians* to grow and quite pretty if grown in large drifts.

GENTIANA CRUCIATA ALBA PRICE 1 @ \$8.00
Much less common than the blue form *cruciata alba* is just as easy to grow and wonderful interspersed with the blue ones

GENTIANA MAKINOI 'MARSHA' PRICE 1 @ \$15.00
Gentiana 'Marsha' A selection of *makinoi* perhaps a bit more free flowering but generally the same as wild type. Still, *Gentiana makinoi* is a beautiful plant and every garden should have a few.

GERANIUM 'BILOKOVA' PRICE 1 @ \$12.00
We haven't offered this in nearly 10 years. Dawn saw a stock plant and liked it hence we now have a few to offer.

GERANIUM 'BROOKSIDE' PRICE 1 @ \$12.00
Touted as an improved 'Johnson's Blue', it is very long blooming with white centered sapphire blue flowers.

GERANIUM 'ELIZABETH ANN' PRICE 1 @ \$12.00
Dark chocolate brown foliage topped with lilac pink flowers

GERANIUM CANTABRIGENSE 'KARMINA' PRICE 1 @ \$12.00
Deep raspberry pink flowers this is very free blooming and great as a ground cover.

GERANIUM CINEREUM 'BALLERINA' PRICE 1 @ \$12.00
A very good clone resulting from a hybrid between *ssp cinnereum* and *ssp subcaulescens*, it's slow to increase like the others, yielding few good crown cuttings and not coming from root cuttings.

GERANIUM CINEREUM 'CAROL' PRICE 1 @ \$12.00
Another of the new *cinnerea* clones to make the rounds of late. 'Carol' is large flowered with light magenta flowers with a somewhat pale eye produced in abundance from may until fall.

GERANIUM CLARKEI 'KASHMIR PURPLE' PRICE 1 @ \$12.00
12-18" deep purple flowers, upward facing and very showy, it's related to *pratense*, and suitable for large rock gardens.

GERANIUM DALMATIUM PRICE 1 @ \$12.00
6" low compact habit suitable for the rock garden, soft pink flowers, this is easy and long lived in the garden and unlike many *Geraniums* has never been a weed for us.

GERANIUM HYB 'PHILLIP VAPELLE' PRICE 1 @ \$12.00
An outstanding hybrid with an extended season of bloom and large bluish-purple flowers marked with deeper veins.

GERANIUM MACRORRHIZUM 'BEVANS' PRICE 1 @ \$12.00
Flowers are deep magenta with clashing red sepals, a fine old variety with aromatic foliage and flowers held well above the leaves, spectacular when planted en masse. It tolerates dry shade; the leaves are almost evergreen and have good fall color.

GERANIUM MACRORRHIZUM 'INGWERSENS' PRICE 1 @ \$12.00
One of the best forms, it's a 2' species from the Mtns of Europe, outstanding groundcover, tolerant of dry shade. Pretty soft pink flowers, aromatic foliage.

GERANIUM MACROSTYLUM 'TALISH' PRICE 1 @ \$12.00
A tuberous species similar to *geranium tuberosum* but smaller that *Janus Ruksins* collected in the Talish Mountains. The finely cut foliage and neat habit make it perfect for a trough and considering it's origins it should be fully hardy. I got to meet *Janus* this year and was very impressed, a great botanist with funny stories and no love lost for the former Soviet Union

GERANIUM MEEBOLDII PRICE 1 @ \$12.00
An outstanding introduction from the Pamirs of Kyrgyzstan, *Mojmir* found it growing near water at 3500m, plants resemble a more robust *G. cinereum* with white flowers on branched stems to 25cm. to the best of our knowledge this is the first time it has been offered in the states, don't bother trying to look it up, the literature is sparse.

GERANIUM PHAEUM 'SAMBOR' PRICE 1 @ \$12.00
An outstanding clone with dark purplish zoning on the leaves and the typical dark sinister flowers, it originated in the former Yugoslavia.

GERANIUM PRATENSE PRICE 1 @ \$12.00
A classic meadow cranesbill, naturalizes quickly, substantial clumps to 3' or more, saucer shaped delicately veined blue flowers an inch and a half or more across; spectacular en-masse. It often re-blooms in autumn.

GERANIUM PRATENSE 'ALBUM' PRICE 1 @ \$12.00
As above but obviously white *pratense* is lovely with good fall color but a prolific seeder, its great for naturalizing but take care about where you put it.

GERANIUM PRATENSE 'MRS. KENDALL CLARK' PRICE 1 @ \$12.00
This is the version the Blooms distributed, violet blue flowers with white veining, not the pearly gray rose flushed original from *Ingwerson*, which may be lost to cultivation.

GERANIUM PROSTRATUM PRICE 1 @ \$12.00
It's a SEX thing seed exchange that is, my advice is to give it some *Avadart* and hope it stays small (* women should not handle *avadart*...bla Bla...)

GERANIUM RENARDII 'TSCHELDA BLUE' PRICE 1 @ \$12.00
Naturally occurring blue form of *renardii*, gorgeous velvety wrinkled crepe like leaves. This was the most popular *geranium* in the catalog the last time we listed it.

GERANIUM SANGUINEUM 'ALAN BLOOM' PRICE 1 @ \$12.00
Alan Bloom is a hardy *geranium* cultivar that is noted for its 5-petaled pink flowers and long bloom period. It typically forms a spreading clump of foliage growing to 12" tall and to 18" wide. Leaves are deeply-lobed and dark green. Primarily blooms from late spring into summer, but in cool summer climates may bloom throughout the summer. Sparse fall rebloom may occur, particularly if plants are cut back hard. Foliage may turn attractive shades of red in autumn.

GERANIUM SANGUINEUM 'STRIATUM' ('LANCASTRIENSE') PRICE 1 @ \$12.00
Low growing and more compact than the species with pink veined flowers; this is a classic plant that consistently out performs many of the newer hybrids.

GERANIUM SANGUINEUM 'TINY MONSTER' PRICE 1 @ \$12.00
Great name remember the 6" tall fear daemon from *Buffy the vampire slayer*, this is even more indestructible and not all that tiny.

GERANIUM TRANVERSALE PRICE 1 @ \$12.00
Native to the steppes of Uzbekistan this elegant tuberous rooted species has leaves that are cleft into especially fine, linear lobes. The flowers are of the typical *geranium* carmine-purple, a very elegant plant for a trough..

GERANIUM TUBEROSUM PRICE 1 @ \$12.00
Geranium tuberosum, is native to Turkey. This plant spreads by means of underground tubers and produces clumps of beautiful, showy flowers in spring. It's among the first *geraniums* to bloom and is one of the few tuberous species.

GERANIUM WLASOVIANUM PRICE 1 @ \$12.00
A great plant despite the unpronounceable name, 4cm wide violet flowers with darker veins produced in abundance, its native from Siberia through Mongolia and into China.

GEUM FARERI X KAMTCHATKA PRICE 1 @ \$6.50
A cute little *geum* the name may well be corrupt, it's worth growing in any event.

GLOBULARIA CORDIFOLIA EX JULIAN ALPS PRICE 1 @ \$8.00
Wild collected in the Julian Alps, where it forms broad mats of leathery 1-2cm evergreen leaves, the stems becoming woody with age; small globular heads of tiny five lobed two lipped blue flowers are produced on short stems in spring.

GLOBULARIA NANA #168 SELECT PRICE 1 @ \$8.00
The tiniest form we grow, selected from a group of *Pavelka* seedlings, this diminutive clone has the small leathery leaves tightly packed to form impenetrable tangled mats; in the spring round heads of deep blue flowers rise on inch high stems above the cushion.

GUNNERA PROREPENS PRICE 1 @ \$15.00
A creeping little plant found in lowland and subalpine damp or boggy places throughout New Zealand. The flowers appear from September to January; the attractive orange drupes ripen from February onwards. This is nothing like it's huge cousins, a charming well behaved member of the *Haloragidaceae*.

GYMNOCORONIS SPILANTHOIDES 'MONARCH MAGNET' PRICE 1 @ \$15.00
Gymnocoronis spilanthoides is native to South America, it can grow either in water or in moist soils. We have selected a clone that is fantastically attractive to *Monarch butterflies* during peak migration it calls to then by the hundred. It is apparently a true pheromone secretor. It holds little attraction for other butterfly species. Hardiness is uncertain but it survives some freezing and is well worth hauling into a sunroom or garage for the winter.

GYPSOPHILA

The alpine Gypsophilas don't get nearly the attention they deserve, the genus contains some of the finest cushion plants but because they are so easy to grow the elite rock gardeners focus their attentions elsewhere. The truth is my cushion of Gypsophila aretioides is still an incredible green rock as hard and tight as you could possibly wish for long after its Dionysia companions have turned to mush. The species listed below are more than choice enough for troughs and perfect for things like model railroad gardens where a neat compact habit and longevity matters most.

GYPSOPHILA ARETIOIDES PRICE 1 @ \$8.00

The gem of the race, cuttings grown from Punnett's plants, this is the ultimate Baby's Breath It almost never flowers but so what. It would make the ultimate golf green if you could ever grow enough - no mowing required, ever.

GYPSOPHILA BRIQUETIANA PRICE 1 @ \$8.00

Forming broad intricately branched cushions densely clad in glabrous fleshy three edged (triquetrous) leaves; briquetiana is endemic to limestone cliffs in Turkey and Central Armenia at altitudes between 1,700 and 2,500m. Flowers are quite large, white, or pale pink, with distinctive purple veining atop 2-8cm stems.

GYPSOPHILA FISCHERI JHH 9808055G0B2250M PRICE 1 @ \$8.00

A Halda collection from 2,250m on the Gobi Altai of Mongolia, fischeri forms dense cushions of dark green needle-like leaves flowers are relatively large, pinkish white and liberally produced.

GYPSOPHILA LIBONOTICA PRICE 1 @ \$8.00

Obscure and rarely seen little species, flowers are white to pale pink, Lebanon.

HAKONECHLOA MACRA 'ALBO-STRIATA' PRICE 1 @ \$12.00

The white variegated version of the well-known Hakonechloa macra 'Aureola'.

HAKONECHLOA MACRA 'ALL GOLD' PRICE 1 @ \$12.00

A solid gold version, even slower growing than the variegated forms.

HAKONECHLOA MACRA 'AUREOLA' PRICE 1 @ \$12.00

Shade tolerant, and there aren't very many good grasses for shade, a slow growing, and elegant species with bamboo like variegated foliage, despite diligent searching for nipples the origins of the 'Aureola' name remain obscure.

HAPLOPAPUS GLUTINOSUS SELECT PRICE 1 @ \$8.00

I'm not a huge fan of Haplopapus however, glutinosus is generally considered the best of the 160 or so species and this selection John at H&H made from Watson's wild collections was nice enough to bring home and propagate.

HEBE (SEE SHRUB SECTION)

HEDYCHUM SP. PJ 218 YUNAN 7300' PRICE \$15.00

A cool ginger from a relatively high altitude collection in Yunan, this is potentially one of the Hardest gingers in cultivation. We would love to hear some feedback as to where it proves hardy.

HELENIUM AUTUMNALE HELENA GOLD TONE PRICE 1 @ \$8.00

Pure gold strain, free blooming, this flowers first year and the entire plant can be cut to form an instant bouquet. It blooms in late summer when the garden looks a little bare.

HELENIUM AUTUMNALE HELENA ROT TONE PRICE 1 @ \$8.00

A good red version.

HELIANTHEM ALPINUM SERPYLLIFOLIUM PRICE 1 @ \$6.50

John Hargrove gave us this cute little mat former, I suspect the name is invalid however, the plant is distinct; John is always quick to appreciate a nice tight one.

HELIANTHEM BEN MOORE PRICE 1 @ \$6.50

With its shocking orange flower color it has created quite a stir, eliciting many favorable comments from those who gaze on it for the first time.

HELIANTHEM 'BURGUNDY DAZZLER' PRICE 1 @ \$6.50

Burgundy red flowers, ground covering glossy foliage.

HELIANTHUS MOLLIS PRICE 1 @ \$8.00

A distinctive species with softly gray pubescent leaves and usually solitary yellow flowers atop 3' stems, it is extremely drought tolerant and quite attractive to birds and humans.

HELIANTHUS HYBRID FLORA PLENA PRICE 1 @ \$8.00

A truly outstanding perennial sunflower that we obtained a number of years ago from White Flower Farm, it was worth every penny I paid for it and then some. Tons of dahlia like flowers on bushy plants in late summer and fall; by far the best of the yellow daisies, this is a must have plant.

HELICHRYSUM PLICATUM SSP. PLICATUM PRICE 1 @ \$6.50

A neat little everlasting that Platek picked up on Boz Dag at 1800m; tufted mounds of lanate-tomentose foliage and 15cm scapes topped with bright yellow flowers suitable for dried arrangements.

HELIOPSIS HELIANTHOIDES 'SUMMER NIGHTS' PRICE 1 @ \$8.00

An outstanding variety from North Creek Nurseries, with red stems and reddish purple foliage in spring, flowers are golden daisies with an orangish red central disc.

HELLEBORUS

These captivating Ranunculus relatives have an almost mythical allure, their mysterious blooms appear at a time when most respectable plants are still asleep for the winter. Hellebores, like their Peony and Adonis relatives can be extremely long lived in the garden, and may well out live the gardener who planted them. They prefer slightly alkaline soil with plenty of organic matter but will survive in damn near anything, they will tolerate sun or shade, although only Helleborus vesicarius will tolerate a hot sunbaked site. The rest are better with at least some partial shade during the heat of the day. Adequate moisture is essential during the active growing season but established plants seem to tolerate summer drought without incident. Fierce winter winds are to be avoided especially for the evergreen types, it doesn't kill them but the foliage will look like crap. Treat them as you would other broadleaf evergreens.

HELLEBORUS ORIENTALIS BALLARD STRAIN PRICE 1 @ \$15.00
Famous strain with large well-rounded flowers that are well displayed.

HELLEBORUS ORIENTALIS 'BLUE LADY' PRICE 1 @ \$19.00

The Lady strain represents the efforts of Gisela Schmiemann, flowers are large and upward or outward facing with overlapping petals producing about 80% true clear colors from seed (we have not yet seen these in flower but some may bloom this spring). Blues are not really blue but shades of slate or purple.

HELLEBORUS ORIENTALIS 'RED LADY' PRICE 1 @ \$19.00

Gisela's reds are particularly nice with very full flowers ranging from pink to maroon; there are many clear colors however a fair percentage also show spotting.

HELLEBORUS ORIENTALIS 'YELLOW LADY' PRICE 1 @ \$19.00

As above but in shades of yellow. We have not had sufficient quantities of yellow hellebores for a number of years, yellow is a relatively new color for Hellebores and seed germination has proven to be even more irregular than normal.

H. ORIENTALIS PHEDAR MIX PRICE 1 @ \$15.00

Seedlings from Will McLevin, the premier Hellebore grower in England, these should be some of the best plants you are likely to find in the States. Will is a fanatic collector and has more genetic diversity in his breeding program and trial beds than any other breeder, for more details and some stunning color photos of Will's plants pick up a Gardener's Guide to Hellebores.

HELLEBORUS DUMETORUM ATRORUBENS PRICE 1 @ \$15.00

A petite plant native to Eastern Europe in scrub areas and light woods, it is a delightful little plant with a quiet charm. This is considered by most authors to be a species in its own right and is listed as *h. atrorubens*. However the plant usually offered under this name is *H. orientalis* ssp *abchasicus*, which is a much larger plant. Our stock is out of Germany and seems to be correct, however it has not yet flowered.

HELLEBORUS CYCLOPHYLLUS PRICE 1 @ \$15.00

A somewhat tufted stemless species, more or less deciduous from the Balkans, flowers are fragrant with a strong Elder scent, 6cm wide greenish yellow to white flowers and generally upward facing, blooming in winter in mild climates, early spring here.

HELLEBORUS FOETIDUS 'WESTER FLISK' PRICE 1 @ \$15.00

A striking red stemmed selection; these are from Germany and like many of recent plants circulating under this name posse's better red color than the original. The material we offer is not clonal, (I suspect the original plant is lost to cultivation) it self sows rather freely and a Darwinian pulling inferior seedlings proves quite effective. I suspect solid red leaf forms will show up eventually.

HELLEBORUS MULTIFIDUS Price 1 @ \$15.00

Clump forming deciduous species with palm like foliage, these are only moderately cut leaved compared to some of the forms the Archibalds have collected; flowers are nodding and saucer shaped.

HELLEBORUS NIGER 'POTTERS WHEEL' Ex Ingwersen PRICE 1 @ \$19.00

As the story goes, Harry Elkins admired 'Potters Wheel' years ago in old man Ingwersen's garden, and managed to talk him into digging a clump (Harry can be very persuasive). In any event he gave us a piece a few years back and we have been carefully dividing stock ever since. Here is your chance to acquire pure stock of this legendary plant; most of what is offered under this name is seed grown and not clonal.

HELLEBORUS NIGER MACRANTHUS ROSEUS 'SUNSET' PRICE 1 @ \$39.00

A stunning pink flowered Niger, we finally divided the best plant in our collection, this blooms before Potter's Wheel and is almost as large flowered. This was from wild collected seed from Will McLevin, in our collection since 1996.

HELLEBORUS ODORUS PRICE 1 @ \$15.00

Native to southeastern Europe, odorus is similar to cyclophyllus, and it is difficult to separate the two, but odorus usually has fused follicles and a stronger Elder scent to the flowers.

HELLEBORUS ORIENTALIS SSP ABCHASICUS PRICE 1 @ \$15.00

Confined in the wild to the Western Caucasus, abchasicus generally has red tinted flowers with purple nectaries; this is horribly confused with the plant long grown as atrorubens, which Mathew places here.

HELLEBORUS PURPURESCENS PRICE \$15.00

A very early blooming deciduous species with distinctive palmate foliage, the five main divisions subdivided into 25 or so leaflets. Flowers are a dark purple blue outside with an almost metallic sheen and green or purple inside, it prefers considerably more sun than other species and will do quite well in full sun although it will tolerate light shade.

HELLEBORUS VIRIDIS PRICE 1 @ \$15.00

A rather diminutive slow growing species that prefers an alkaline humus rich soil and considerable shade, the demure deep green flowers possess a quiet charm all their own.

HELLEBORUS NIGERCORS 'VALENTINE GREEN' PRICE 1 @ \$24.00

For many years, it was thought the acaulescent and caulescent species could not be hybridized, not so, Helleborus niger can be readily crossed with Helleborus argutifolius, resulting in the virtually sterile Helleborus x nigercors. The foliage of these hybrids resembles Helleborus niger, but the abundance of flowers is much greater, often over 100 per plant. There are now several clonal tissue cultured selections of Helleborus x nigercors including Helleborus 'Valentine Green' green leaves and creamy flowers, Valentine Green is more creamy than green and a must for any serious hellebores collector,

HELLEBORUS X STERNII PRICE 1 @ \$15.00

Hybrids between argutifolius and lividus, flowers variable with pink to purple flush over greenish background probably the longest flowering and most spectacular foliage species we grow. Very showy foliage often displays the lividus influence, mature size 2'.

HEMEROCALLIS HYB 'NOTIFY GROUND CREW' PRICE 1 @ \$35.00

Curt Hansen, who has the best Daylily names and pretty cool plants as well, sent us these several years back. While we have mostly stayed out of the hybrid daylily business. We are making an exception in this case. 'Notify Ground Crew' is 6' plus in height and not your typical Daylily and will definitely turn some heads, upwards. his code is m72d tallest yellow trumpet

HEMEROCALLIS ALTISSIMA HYBRID PRICE 1 @ \$15.00

Curt Hanson brought us this, it is 6' plus tall and pretty impressive, but then again we like all the weird stuff.

HEMEROCALLIS FULVA FL. PL. PRICE 1 @ \$12.00

a double or sometimes triple hose in hose form of the common roadside daylily, it colonizes quickly and actually get's quite a bit of comment in our display gardens

HEMEROCALLIS HYB 'CHOCOLATE' PRICE 1@ \$19.00
 Unique among the daylilies we grow, it has unusual chocolate brown flowers. Punnett who grows very few daylilies brought us this, I would have preferred Gentiana farreri blue but chocolate is not bad.

HEMEROCALLIS HYB. 'PENNY'S WORTH' PRICE 1@ \$12.00
 Another cute and extremely dwarf daylily Martin brought us, its one of the best dwarf cultivars we have seen.

HEMEROCALLIS HYB 'POCKET FULL OF GOLD' PRICE 1@ \$12.00
 Another of Martin's dwarf yellow selections, bigger than Penny's worth and a good rebloomer.

HEMEROCALLIS 'STELLA DE ORO' PRICE 1@ \$8.00
 Simply the most popular free blooming daylily ever. The #1 plant for landscape use but far surpassed by 'August Orange' in terms of sheer flower production.

HEMEROCALLIS TWEETY PRICE 1@ \$12.00
 "Honey, Martin shrunk the Stella", less than half the size of it with half scale yellow flowers and the same re-blooming habit, its about as close as you can get to a rock garden daylily. These were a rapid sellout a couple of years ago and for all of you who have been bugging us for one ever since here is your chance.

HEMEROCALLIS LONGITUBA PRICE 1@ \$15.00
 One time at band camp, no wait that was a flute (there should be a clever way to work the "what's my name bitch" line in as well) but I digress this is an endemic South Korean species. It is native on Mt. Chiri where it grows above treeline in association with Hosta.

HEMEROCALLIS MINOR PRICE 1@ \$15.00
 Wild collections dainty yellow flowered species from Jurasek, these should be the real deal, which is seldom true in cultivation.

HEMEROCALLIS MULTIFLORUS PRICE 1@ \$8.00
 Langhammer brought this pure species to us a few years back. We finally have enough to offer, branching indeterminate scapes of long tubed small yellow flowers, once it starts it doesn't quit blooming; this is my favorite species daylily.

HEMEROCALLIS MULTIFLORUS HYB 'AUGUST ORANGE' PRICE 1@ \$12.00
 One of the longest blooming daylilies starting in August and continuing until the plants freeze. Flower scapes have the indeterminate habit of multiflorus, they just keep growing and budding and branching and growing and budding and branching; the Ever-ready Bunny of Daylilies, it outperforms all others in late summer and autumn. Surprisingly it's an old plant dating back to Stout, Langhammer brought us this along with the smaller flowered and slower growing pure species multiflorus, listed above.

HEMEROCALLIS NANA VAR (2) PRICE 1@ \$15.00
 These were wild collected out of china, if nothing else they should provide some new genes for the hybridizers.

HEMEROCALLIS THUNBERGII PRICE 1@ \$12.00
 Native to Korea and China with short funnellform yellow flowers that posses a wonderful fragrance, like so many of the species daylilies it is seldom encountered in gardens.

HEMEROCALLIS VESPERTINA PRICE 1@ \$12.00
 An Asian species lumped by many into H. thunbergii, it has fragrant yellow flowers that open in the evening. It is not as showy as some of Curt Hanson's creations but quietly charming nonetheless.

HEPATICA ACUTILOBA PRICE 1@ \$8.00
 This Hepatica forms much stronger clumps than H. americana. The leaves have sharp three pointed lobes and the white, pale blue, or pink flowers are more numerous than those of americana. This prefers a more neutral to alkaline soil than H. americana, and here in Michigan it is a much rarer plant.

HEPATICA ACUTILOBA SELECT BLUE PRICE 1@ \$12.00
 Our selected blue forms of H. acutiloba, colors range from deep to light blue. We cannot guarantee a particular shade but all are wonderful, you just can't have too many blue hepaticas.

HEPATICA AMERICANA PRICE 1@ \$8.00
 One of my favorite woodlanders, often growing in great abundance on slopes, flower color ranges from blue to pink and white, rich colored form are highly sought after, foliage too can be variable and many plants show excellent mottling on the leaves.

HEPATICA AMERICANA BLUE SHADES PRICE 1@ \$12.00
 As above but selected from Hepatica americana.

HEPATICA NOBILIS DARK MAGENTA PRICE 1@ \$19.00
 Spectacular dark flowered form of the European nobilis, These are rarely offered gems, this may be a one time listing and supplies are limited.

HERACLEUM LEHMANIANUM PRICE 1@ \$8.00
 Large umbels of pale pinkish flowers on 6' plants, incredibly fragrant one packet of seed perfumes a whole room.

HEUCHERA ABRAMSII RATCO 98 314 PRICE 1@ \$8.00
 The tiniest Heuchera Ratko offers, collected from North facing boulder slopes at 9,800m, the dwarf leaves are barely ¼" long with 2-4" floral spikes, the urn shaped calyx is the show here, quickly changing from glistening glandular white to a deep rose violet.

HEUCHERA ELEGANS PRICE 1@ \$8.00
 A tidy plant from 8200' on Pleasant view Ridge, 12-18" mats, the 6" panicles of white flowers with rose red calyces create a haze of red and white above the flat mats.

HEUCHERA HALLII PRICE 1@ \$8.00
 Creamy white bells above tufts of scalloped leaves hallii has long been a favorite of ours. At one time Brigitta raised a spectacular form, which we foolishly neglected to propagate.

HEUCHERA PARISHII PRICE 1@ \$8.00
 Collected from wooded north facing boulder slopes of Jeffery Pine and White Fir in the Cienaga Creek region at 8200', where it forms dark green mats of crenately lobed leaves in the duff between the boulders, parishii is related to elegans, but with larger flowers in a denser panicle, the overall look is misty due to the exerted stamens.

HEUCHERA PARVIFOLIA PRICE 1@ \$8.00
 A nice little western species native in Montana and Idaho with compact foliage topped by rather tall sprays of white flowers.

HEUCHERA PARVIFOLIA V NIVALIS PRICE 1@ \$8.00
 A variety of the above from the neme you can expect it to be more beautiful.

HEUCHERA PULCHELLA PRICE 1@ \$8.00
 One of the tiniest heucheras, it's small enough for troughs, with a very neat habit and a high cute quotient. This is my favorite Heuchera, probably originating with Gwen, she also considers it the loveliest western species.

HEUCHERA PULCHELLA ALBAPRICE 1@ \$8.00
 We had a white one show up; luckily, we caught it before it was shipped out with the other pink ones.

HEUCHERA RUBESCENS V ALPICOLA Ratko 98-320PRICE 1@ \$8.00
 Ron found these tucked between the boulders on north facing cliffs at 9300' on Bald Mt. billowing over the mats and cascading down the boulders they produced a frothy waterfall of white spray; a particularly floriferous nearly pure white colony.

HEUCHERA VILLOSAPRICE 1@ \$8.00
 The large, fuzzy, gray-green leaves set villosa apart from all of the others. The midsummer white flowers are also attractive, this really needs woodland conditions to do well.

HIBISCUS 'CRANBERRY CRUSH' \$19.00
 An outstanding new Hibiscus courtesy of Walters Gardens. Walters has one of the best plant breeding teams on the planet, especially after the recent addition of Hans Hanson formerly of Shady Oaks, Clarence, Kevin and Hans should make quite a team. Cranberry Crush is fantastic, Compact 2-3' clumps of deep green leaves with purple overtones, this flowers for months forming near black buds at every node. These open to display a continuous succession of 7-8" deep scarlet fully rounded flowers...

HIBISCUS 'JAZZBERRY JAM' PRICE - \$19.00
 Walters evaluated thousands of Hibiscus seedlings (we donated a few plants to this effort), and from these many seedlings they selected this large pinkish magenta plant with a red eye and 9" heavily ruffled round flowers and overlapping petals. A stunning landscape specimen this grows 4-5' in a single season. If you live in areas that have Hibiscus Sawfly a single spray will usually control them. If you don't want to spray plants will look a bit moth-eaten until they grow new leaves but will survive unharmed. My impression is this and some of the other new cultivars are less bothered by pests than some of the older varieties, I never spray ours in the landscape and they still manage an impressive floral display.

HIBISCUS 'SUMMER STORM' PRICE - \$19.00
 Yet another excellent selection from Walters, a compact clone with deep wine purple foliage and huge 10" rose pink flowers bloodshot veined with deeper pink radiating from a deep magenta eye. This is one of the longest blooming cultivars and extremely floriferous.

HIBISCUS LAEVISPRICE 1@ \$12.00
 Also known as Hibiscus militaris this smooth stemmed plant is quite distinctive (laevis means smooth). It is an important parent of the modern hybrids

HIBISCUS SEEDED FROM NAMED FORMSPRICE 1@ \$15.00
 We raised these from some of the better named forms, open pollinated but all the parents were nice.

HIERACIUM ALBIFLORUMPRICE 1@ \$6.50
 A white flowered hawkweed, easy like all the rest.

HIERACIUM MACULATUM LEOPARDPRICE 1@ \$6.50
 I'm usually not a big lover of hawkweeds but this is a nice one worthy of a place in the catalog. The grey green leaves are irregularly splashed with purple, superglued to your cloths they should make an interesting camo outfit; I digress, they may look better in the garden.

HIERACIUM PANOSUMPRICE 1@ \$6.50
 A dwarf bright yellow hawkweed, it is one of the more attractive species and worth a try if you are looking for something new, it hasn't been a weedy menace for us.

HIERACIUM TARDAPRICE 1@ \$6.50
 According to Punnett, this is the cream of the crop; indeed most of the hawkweeds are exactly that; weeds (according to the RHS index of garden plants approximately 10000 different species of weeds). I find that number a bit hard to believe, but whatever the species total this is a very choice rock garden specimen that ranks very near the top.

HIPPOCREPIS BALEARICAPRICE 1@ \$12.00
 A perfect corona of radiant outward facing golden pea flowers opening simultaneously for a unique and very photogenic floral effect, this is a great little legume that deserves a wider audience.

HIPPOCREPIS COMOSA 'ER JAMES'PRICE 1@ \$8.00
 Forms yard wide mats of glaucous low foliage; E. R. James has lighter yellow flowers than the species. It has survived for years Punnett's mix of benign neglect and periodic Roundup spraying of things, which have fallen from favor so it must have some merit (you simply wouldn't believe the stuff he has sprayed out or chopped down).

HOSTA

If not overdone, Hostas can present a spectacular accent in a shady garden. Poorly laid out and overdone with prominent labeling, they can be hideous. We have tried to offer a sampling of the range of foliage types available, focusing mostly on classic plants along with some moderately priced newer introductions. We have attempted to select the best in each category, and tried to avoid the yet another gold edged green Hosta with a new name and a \$200 price tag. It was a daunting task to narrow the list of available and moderately priced plants to just the very best, we think we did a good job. Be wary when price shopping as you may receive a tiny plant barely out of the tissue culture tube, but ours are all large divisions and many have multiple eyes. One of these years we will get around to releasing the Arrowhead Yet Another series (® never to be applied for) yet another blue, yet another gold edged etc.

HOSTA 'AUGUST MOON'PRICE 1@ \$12.00
 Gold leafed sieboldiana, large yellow seer-suckered leaves almost white flowers.

HOSTA 'BABY BUNTING'PRICE 1@ \$15.00
 The dwarf solid blue plant that sported Pandora's box and Hope, it is a nice small Hosta.

HOSTA 'BLACK HILLS'PRICE 1@ \$20.00
 An award winning plant with large dark green puckered and heavily corrugated leaves, a nice contrast to all the variegated plants you tend to see in Hosta collections.

HOSTA 'BLUE MOUSE EARS'PRICE 1@ \$19.00
 The small blue green thick textured leaves are cute indeed but obviously whoever named it has never looked closely at a mouse ear.

HOSTA 'BRIM CUP' PRICE 1@ \$15.00
A sport of Wide Brim with very wide yellow variegation and cupped leaves, it is a standout, not "Yet another gold variegated Hosta".

HOSTA 'CAROLINA SUNSHINE' PRICE - \$24.00
The Walters Crew was out and intimidated that are Hosta selection while classic could use some updating, this is one of a dozen or so new additions that they are responsible for, Carolina Sunshine is one of Tony Avent's creations with long dark green leaves bearing a broad yellow margin, it holds up well in summer heat. A classy plant from a classy guy, Tony was quick to offer support after I got ill and gave us several nice plugs in his newsletter. We wish Tony and his wife the best, He knows what it is like since his wife Michelle just finished a round of chemo and appears cancer free.

HOSTA 'CAT'S EYE' PRICE 1@ \$25.00
Venusta with a broad creamy center, this is one of the best dwarf Hostas we have seen in years, for a change it lives up to the Terra Nova photo, a truly outstanding plant.

HOSTA 'CHERRY BERRY' PRICE 1@ \$20.00
Outstanding hybrid from Lachman, narrow lance shaped leaves edged in deep green and creamy in the center sets off the red petioles and red marked flower scape; striking plant.

HOSTA 'CHINESE SUNRISE' PRICE 1@ \$15.00
A variegated hybrid of Hosta cathayana bred by Gus Krossa, it is an interesting small plant that seems to be experiencing a resurgence in popularity.

HOSTA 'COLOR GLORY' PRICE 1@ \$25.00
A nice gold margined sieboldiana type from Paul Aden that dates back to 1980, we deem it worthy of garden space.

HOSTA 'DIANA REMEMBERED' PRICE - \$24.00
A John Kulp plant, shiny green leaves edged in creamy white with 3' fragrant white flowers, another new one to add to our Hosta upgrade. It's a great plant despite the somewhat sappy name which will probably still sell like crazy.

HOSTA 'DIXIE CHICKADEE' PRICE - \$28.00
A cute little semi-dwarf plant from Tony, narrow leaves with a creamy central stripe streaked and flecked with green. We have Black Capped Chickadees and occasionally Boreal Chickadees in winter but I'm a little shaky when it comes to Dixie chickadees although I have heard they are sexually promiscuous and polyandrous.

HOSTA 'EARTH ANGEL' PRICE - \$24.00
Han's sport of Blue Angel, a large showy plant with chartreuse margins in spring that gradually change to creamy white. This will grow 20x40 inches and makes an imposing specimen. Hosta names are a culture unto themselves, personally I would have gone with Avenging Angel or Angel of Death, or perhaps Mindfreak for a more obtuse reference, I'm not that much into 50's do-wap.

HOSTA 'ELVIS LIVES' PRICE 1@ \$25.00
Brigitta couldn't resist Tony Avent's seductive name, wavy margined arching leaves, 'Elvis Lives' is still fairly new; it is true, Elvis has been sighted leaving the nursery.

HOSTA 'FAIR MAIDEN' PRICE 1@ \$25.00
The bold streaky cream edged variegation stands out in a crowd.

HOSTA 'FIRE AND ICE' PRICE 1@ \$20.00
Patriot reversed, this is one of the showiest Hostas we grow, much preferable to Patriot.

HOSTA 'FRAGRANT BLUE' PRICE 1@ \$20.00
Small to medium clumps of pointed very blue leaves and white fragrant flowers.

HOSTA 'FRAGRANT BOUQUET' PRICE 1@ \$25.00
Spectacular light green leaves with a narrow yellow to white margin and long tubed very fragrant white flowers, a must have for every shade garden.

HOSTA 'FRANCEE' PRICE 1@ \$15.00
Excellent sun tolerance, deep green with a fine white edge, Patriot sported from this.

HOSTA 'FRANCIS WILLIAMS' PRICE 1@ \$19.00
The classic gold edged sieboldiana, it is old but still very popular.

HOSTA 'FROSTED JADE' PRICE 1@ \$20.00
A Eunice Fisher award winner, jade green leaves with a white margin, it resulted from a cross between H. montana and a Krossa B-1 hybrid.

HOSTA SIEBOLDII 'GINGKO CRAIG' PRICE 1@ \$8.00
Narrow leaves with fine white margins; it is a classic edging Hosta.

HOSTA 'GREAT EXPECTATIONS' PRICE 1@ \$20.00
In my estimation, the finest variegated Hosta. A gold centered sieboldiana, the foliage is heavy textured and seer-suckered at maturity and the streaky variegation is almost tricolor with many subtle shadings, it is fairly slow growing but worth the wait.

HOSTA 'GUACAMOLE' PRICE 1@ \$20.00
Green on green variegate with a cute name, it is very popular but doesn't do much for me, perhaps I lack the subtle Hosta appreciation gene.

HOSTA 'HEAVENLY TIARA' PRICE - \$24.00
A Walters sport of grand Tiara, heavy textured leaves with wide light yellow margins by summer the center turns chartreuse and the margins fade to white. To properly appreciate this magical transformation sit and watch closely on a night with a full moon while listening to Metallica Fade to Black and concentrate on the inverse. By morning it will either be white or you will be white from being sucked dry by hords of mosquitoes.

HOSTA 'HI HO SILVER' PRICE - \$24.00
A smaller sport of Ginko Craig, yes *quimo sabe* it has the same long leaves with wavy white margins and intense purple flowers, This works best not as a Lone Ranger but massed on the border. We suggest tearing down our version of the Berlin Wall and planting the Mexican border with these, equally effective and lots cheaper according to Tonto.

HOSTA 'HOPE' PRICE 1@ \$25.00
An outstanding miniature from Shady Oaks, a reversed sport of 'Pandora's Box', both of which are out of 'Baby Bunting', greenish blue centered leaves with a bold creamy yellow edge streaking into the area where they merge.

HOSTA 'INNISWOOD' PRICE 1@ \$25.00
Seersuckered gold leaves with green margins make this a standout, the more I see it; the better I like it.

HOSTA 'IVORY COAST' PRICE - \$24.00
A superior sport of Sage, my favorite specimen Hosta, Huge bluish green leaves margined broadly in yellow which changes to cream later in summer, If you want a big hosta that will stop traffic look no further,

HOSTA 'JUST SO' PRICE 1@ \$20.00
I'd rate this the best of the dwarf gold-centered green-edged Hostas, I like way the gold centered ones catch the light and brighten a shady garden.

HOSTA 'KIRISHIMA' PRICE 1@ \$8.00
Named for a volcanic mountain in South-Central Kyushu, it is intermediate between H. 'Saishu Jiima' and H. 'Yakushima Mizu'.

HOSTA 'KROSSA REGAL' PRICE 1@ \$15.00
Krossa is no more but his Hosta lives on also his house in Livonia is up for sale, complete with more state record trees than any other property in Michigan. Neighbors have ripped off a lot of the small stuff but it is still an incredible collection of plants. Contact Jim Langhammer if you want details of what all is there.

HOSTA 'LITTLE TREASURE' PRICE - \$28.00
A sport of Little Jay with small thick pointed blue green leaves broadly centered with a strip of white, this is an excellent small hosta and quite vigorous, even the purple flowers look good.

HOSTA 'MASQUERADE' PRICE 1@ \$15.00
A white centered sport of Hosta venusta with a fine green edge, it looks a bit like a miniature White Christmas, they were a sellout the last time we offered them.

HOSTA 'MEDUSA' PRICE 1@ \$20.00
A gracillima hybrid with extremely long snaky leaves with a rippling green margin surrounding a yellow center and topped by purple flowers, the name brings back memories of one of the best hunting hawks I ever owned.

HOSTA 'MIGHTY MOUSE' PRICE - \$30.00
This Walters sport of blue mouse ears is perfect for troughs, it features heavy thick bluish leaves broadly margined yellow in spring fading to cream later in summer. purple flowers on short scapes complete the picture. This is destined to be a classic rock garden hosta.

HOSTA 'MILLIES MEMOIRS' PRICE 1@ \$30.00
A mutation of Aspen Gold with thick heavily puckered and seersuckered leaves slightly cupped at the edges, dark green centers with a broad gold margin, an outstanding tokudama, named for one of the founders of Shady Oaks.

HOSTA 'MINUTEMAN' PRICE 1@ \$15.00
A sport out of Patriot with more cupping in the leaves, it is not hugely different but I like it.

HOSTA 'NORTHERN EXPOSURE' PRICE 1@ \$15.00
A white margined sieboldiana, its a nice variation on the Frances Williams theme; this is more stable and a better performer than some of the other plants in the northern series, a decent plant with a good name.

HOSTA 'OLD GLORY' PRICE 1@ \$40.00
Han's beautiful edged sport of 'Glory' with the original thick golden leaf, margined with a 1" green band, a good grower with very heavily textured foliage, we think it is destined to become a classic.

HOSTA 'ON STAGE' PRICE 1@ \$30.00
The reversed form of the classic Montana Aureo-marginata, Yellow centers turn white later in the year, the large clumps will stop traffic.

HOSTA 'PANDORA'S BOX' PRICE 1@ \$19.00
Considered one of the best small Hostas, small rounded leaves with a splash of white variegation in the center, it is indeed very beautiful, but like so many of the variegates it can be a bit variable.

HOSTA 'PATRIOT' PRICE 1@ \$12.00
Excellent landscape plant, a sport of Francee with wide white margins somewhat panned by the cognoscenti because of the way it was introduced. It auctioned initially for \$800.00 or so, and the market was flooded a year later by a zillion tissue cultured ones before the mid level pyramid people could make a buck.

HOSTA 'PAULS GLORY' PRICE 1@ \$30.00
Another choice gold centered green edged plant smaller than On Stage and very highly regarded.

HOSTA 'PIZZAZZ' PRICE 1@ \$19.00
A blue, with wavy creamy white margins and dense masses of white flowers, big leaves with good substance, a contender in the yet another edged sieboldiana sweepstakes.

HOSTA 'QUEEN JOSEPHINE' PRICE 1@ \$15.00
Craig Masching made us add this one so it must be choice but for the life of me, I can't remember what the damn thing looks like. Look it up yourself, I have Hosta burnout; we only picked choice and unique ones but it is still hard to say something different about each of them. We have plans to introduce the Arrowhead 'Yet Another series' 'Yet Another Blue' 'Yet Another White Variegated' etc. to avoid this problem in the future.

HOSTA 'RED ALERT' PRICE - \$28.00
A variegated sport of Katsuragawa Beni, pointed green leaves with a narrow yellow margin and a deep red petiole that extends up into the leaf, a great starting point if you want to breed a red leaved hosta. and speaking of red alerts in less time than it takes to breed a red hosta the iranians can build a boosted fission weapon, levitated pit, 3-4 megatons and fairly portable

HOSTA 'REPTILIAN' PRICE 1@ \$25.00
Aptly named with warty scaly looking bluish gray foliage, cupped and puckered on the margins, with reddish petioles and flower stems, mature plants have a lot of character.

HOSTA 'SO SWEET' PRICE 1@ \$19.00
1996 Hosta of the year large fragrant flowers and good variegation all in one plant.

HOSTA 'STILETTO' PRICE 1@ \$12.00
Long narrow dagger like leaves with a white wavy edge, a nice contrast with wide leaves.

HOSTA 'TATTOO' PRICE 1@ \$25.00
Tony Avent's outstanding sport of 'Little Aurora', gold centered leaves with a broad irregular lime green edge, what makes it unique is the dark green overlay markings. Tony claims they look like maple leaves, and given the variability in Acer I guess that is safe.

HOSTA 'TINY TEARS' PRICE 1@ \$12.00
Very tiny like a diminutive venusta, it is perfect in a trough.

HOSTA 'WARWICK DELIGHT' PRICE 1@ \$20.00
An exciting plant from Gil Jones, it is a hybrid of blue moon; although you wouldn't guess that looking at it; broad creamy white centers surrounded by a streaky dark green margin, it forms a relatively small compact clump in the garden

HOSTA 'WIDE BRIM' PRICE 1@ \$15.00
Green center wide margins of creamy yellow, an older variety but still very nice.

HOSTA 'WOGAN' PRICE 1@ \$12.00
Medium sized Japanese Hosta, its cute but not stunning, falls in my yet another Hosta category.

HOSTA 'WOLVERINE' PRICE 1@ \$30.00
An excellent new plant from our friends Jim and Sandy Wilkins, blue lance shaped leaves bordered in gold, a standout.

HOSTA CLAUSAV. CLAUSA PRICE 1@ \$8.00
Similar to lancifolia but with tall scapes of reddish purple flowers that never open noted for its very long stolons; Korea 1930, very rare in the wild.

HOSTA JAPONICA PRICE 1@ \$8.00
A.K.A. Aletris japonica, A.K.A. Hemerocallis japonica, A.K.A. Niobe japonica, A.K.A. Hosta lancifolia, A.K.A. Hemerocallis lancifolia, A.K.A. Saussurea japonica, A.K.A. Hosta caerulea f. lancifolia, A.K.A. Hosta japonica var fortis, A.K.A. Hosta caerulea viridis, A.K.A. Hosta viridis, A.K.A. Hosta angustifolia, A.K.A. Hosta sieboldii f lancifolia, A.K.A. Hosta japonica f typica, A.K.A. Funkia ovata var lancifolia, A.K.A. Funkia japonica f typica, A.K.A. Funkia japonica, A.K.A. Funkia lancifolia; all in all, the taxonomy is pretty Funkiad up.

HOSTA KIKUTII 'KIFUKURAN' PRICE 1@ \$15.00
Named variegated forms of species Hosta are not very common, this is unusual, attractive, and very garden worthy; the Japanese know how to pick em.

HOSTA MINIMA PRICE 1@ \$8.00
We raised this from British seed, minima is a species of somewhat dubious status sitting close to venusta, whatever its taxonomic standing it is a tiny little plant, worth growing.

HOSTA MONTANA AUREOMARGINATA PRICE 1@ \$19.00
Our most popular Hosta here at the nursery, still selling for high prices years later, possibly the best large gold edged Hosta.

HOSTA PLANTAGINEA 'APHRODITE' PRICE 1@ \$30.00
A beautiful hose in hose double form of H. plantaginea grandiflora it is perhaps the most lovely of all the Hostas in terms of flowers.

HOSTA PLANTAGINEA GRANDIFLORA PRICE 1@ \$12.00
Huge fragrant white flowers in late summer always in demand we sell out as soon as customers smell ours in the garden; I'd take this over many of the new high priced introductions.

HOSTA RHODEIFOLIA PRICE 1@ \$12.00
A medium sized green species introduced in Japan by Fumio Maekawa in 1940, but remaining scarce in collections to this day.

HOSTA TOKUDAMA 'FLAVOCIRCINALIS' PRICE 1@ \$15.00
Dwarf and slow growing this is like a miniature Frances Williams, it has been around a long time but its slow rate of increase has kept it a desirable and uncommon plant.

HOSTA TSUSHIMENSIS P.U. STRIPE PRICE 1@ \$15.00
A named form of a rarely seen species Hosta from the Tsushima Islands in the Korean strait, it has not yet flowered for us, a rarity that you are not to likely encounter locally.

HOSTA VENTRICOSA 'AUREOMARGINATA' PRICE 1@ \$15.00
Another variegated species Hosta, ventricosa is difficult to tissue culture and slow to increase, it eventually makes huge clumps of heavily ribbed leaves that are absolutely stunning. A must-have plant on everyone's list.

HOSTA VENUSTA PRICE 1@ \$8.00
One of the tiniest Hostas from Korea and Japan, small enough for the rock garden these have a high cute quotient.

HOSTA VENUSTA 'KIN BOTAN' PRICE 1@ \$15.00
Yinger has been distributing this, and we could not resist; a nice gold edged form of the "thumbnail Hosta"; the large pinkish purple flowers seem huge next to the miniscule plants. Ender tried to translate 'Kin Botan' on the web and it is either small button or small tree peony.

HOSTA VENUSTA 'PORTER' PRICE 1@ \$15.00
One of the smallest venusta forms, this is a perfect trough Hosta, when grown in the sun it really tightens up but it seems to tolerate such abuse and still thrive.

HOSTA YINGERI DJH 270 PRICE 1@ \$15.00
From a Hinkley collection on Taehuksan Island in Korea at 1200' on dry rocky cliffs, it is named for Barry Yinger and an excellent species Hosta.

HOUSTONIA SERPYLLIFOLIA PRICE 1@ \$8.00
Back again, we almost lost all of this a couple of years ago but we saved some and once again have enough to offer. Flat mats very tight and dense with teeny tiny leaves, the cushions are covered with blue flowers; the plants in our woodland trough evoke a great deal of favorable comment.

HOULTUYNIA CORDATA FLORA PLENA PRICE 1@ \$8.00
A double flowered form Dick brought in with quite attractive flowers, it has been very slow and restrained for us, on the other hand I think Punnett sprayed his patch with Roundup.

HUTCHINSIA ALPINA 1@ \$6.50
A cute little monotypic European crucifer with snowy white flowers and dissected deep green hummocks of leaves, it is pathetically easy but nevertheless a first rate rock plant.

HYLOMECON JAPONICUM PRICE 1@ \$29.00
A fantastic little woodland poppy from Japan, this forms low slowly spreading mounds covered in spring by myriads of Meconopsis-like yellow flowers. For all of you who have ordered it from the seed exchanges only to be disappointed when some big weedy thing germinated the wait is over. We finally have some divisions thanks to Punnett.,

HYMENOXYIS (TETRANEURIS) ACAULIS PRICE 1@ \$8.00
This perennial is native to the southwestern US, where it occurs most often on dry rocky slopes and mesas. Angelita Daisy forms rounded clumps to fifteen inches tall and wide, flower is a deep gold color. It is very cold hardy, heat tolerant, and drought tolerant.

HYMENOXYIS SCAPOSA 1@ \$6.50
A prolific bloomer with yellow daisies for months and attractive grassy foliage these are from cultivated material from alplains.

HYPERICUM SP ARCHIBALD AJ08-16CO 1@ \$8.00
A neat little low growing hypericum that came from the archibalds originally, unique looking mats of foliage topped by nice yellow flowers

HYPERICUM OLYMPICUM 1@ \$6.50
The normal form from Greece and the Balkans, a foot or more tall with yellow flowers, becoming almost shrubby with age.

HYPERICUM ORIENTALE PRICE 1@ \$6.50
One of the better species for the rock garden it forms dwarf airy mounds of foliage that are smothered in bright yellow flowers. We haven't had it in years and were delighted to get it back.

IBERIS SAXITILIS PRICE 1@ \$8.00
This is the best bunch of saxitilis seedlings we have had in several years, nice compact plants we would select a clone to name if only we could make up our mind which one.

IBERIS SEMPERVIRENS COMPACTUMPRICE 1@ \$8.00
As you might expect this is a dwarf form that may well have some saxitilis in its background, its Dick's favorite dwarf candytuft.

IBERIS SEMPERVIRENS PYGMAEAPRICE 1@ \$8.00
Another almost prostrate clone only 2" high, with pure white flowers, blooms earlier than sempervirens and like the species tends to re-bloom in the fall.

IBERIS SEMPERVIRENS 'SNOWFLAKE'PRICE 1@ \$8.00
The standard by which the larger clones are judged, foot high evergreen shrublets, perfect for shearing into low formal hedges, abundant clusters of snow-white flowers.

IMPERATA CYLENDRAICA 'RED BARON' PRICE 1@ \$12.00
The well-known Japanese Blood grass, its hardy but can take quite a beating during a hard winter and is probably better a bit south of us, but for a perennial grass in that color range, nothing else even comes close.

INCARVILLEA OLGAEPRICE 1@ \$8.00
Looking a bit like an enlarged arguta, it is much hardier, but not as free with its pink trumpets. This is the most permanent Incarvillea in our gardens.

IRIS

A genus of 250 plus species running the gamut from aquatics to desert bulbs, there is so much diversity that general comments are meaningless. I would urge gardeners to sample a few plants from the various sections of the genus, most only grew a few bearded hybrids or Siberians and there are so many garden worthy plants that are never even attempted. This season we have a fantastic selection of West Coast species thanks to Ron Ratko's untiring efforts and generosity. The Czechs too have collected some wonderful new things. Don't be too intimidated by European pronouncements concerning the growability of various species, a friend and local grower, Brian Radford is growing a wide selection of Oncocyclus species with considerable success outdoors, despite what the pundits might say. If Onco's are possible, the rest should be effortless.

IRIS APHYLLAPRICE 1@ \$8.00
An unusual species ranging from the Caucasus into Eastern Europe, it is distinct in its section being the only member that goes completely leafless in winter, flowers are typically in some shade of blue or purple.

IRIS BARBATA (GERMANICA)PRICE 1@ \$6.50
The prototype bearded iris and a parent of many of the modern hybrids.

IRIS CANCAN REDPRICE 1@ \$15.00
A maroon red tall bearded the speckled flowers have a white with red speckled bee guide on the falls.

IRIS CONFUSAPRICE 1@ \$8.00
Wild collected in China, like so much of what comes out of China the name is open for debate. These flowered for the first time in 2003 and created quite a stir here, flat white flowers intricately marked with blue blotching and speckling. It seems fairly growable and is definitely exotic looking.

IRIS CRETENSISPRICE 1@ \$8.00
In the wild, it is found on grassy alpine meadows; leaves are small narrow and upright, flowers violet with yellow veination. Native to Crete and on the tender side, it is a winter bloomer in the alpine house. Ours survived -29f in an unheated polyhouse last winter - reports of tenderness may be premature.

IRIS CRISTATA PRICE \$8.00
Cute dwarf Iris with multitudes of the rarest crumpled powder blue flowers crested with gold on 6" stems; it will form large mats quickly. This easy to grow species has a lot more charm than the bearded monstrosities.

IRIS CRISTATA ALBA BRIGGS FORM PRICE \$12.00
Jim Brought us this years ago, although he claims not to remember, we put it in the corner of one of our big troughs and it covered a big chunk if it, everyone who sees it in flower has bugged us for a piece, and we finally got around to propagating it. It was a huge hit and we sold too much, it has taken us several years to once again offer it.

IRIS CRISTATA GIGANTEA EX DICK PRICE \$12.00
This is a large and extremely vigorous form from Punnett, It has been in Brigittas woodland garden and we finally dug some to propagate since it was encroaching on other things.

IRIS CYCLOGLOSSA PRICE \$19.00
A fantastic Juno collected southwest of Herat in Afghanistan by Wendelbo in 1975 in a damp grassy habitat very unusual for a Juno, It is extremely local and endemic only to this one small region. It is also distinct in that it is the only Juno with upright standards. Flowers are blue with a distinctive clove scent, very weird for a Juno, they appear more xiphium-like than Juno; definitely not a plant for beginners.

IRIS DOUGLASIANAPRICE 1@ \$6.50
A fairly narrow West Coast endemic, often growing right up to the ocean. It hybridizes readily with the other pacific coast species. Flower color is variable, white to pink to blue and all shades in between, but often with attractive vein patterns. Evergreen and named for Douglas of Douglas fir fame.

IRIS FOETIDISSIMAPRICE 1@ \$8.00
An interesting plant commonly known as the Gladden or Roast Beef Plant (believe it or not the bruised leaves are supposed to smell like roast beef. Yah right). Foetidissima is cultivated primarily for its attractive orange seeds. The flowers are a typical blue or a creamy white and quite attractive in a species Iris way. Their scent however is odd and has been compared to Scoliopus bigelovii or disinfectant (it sounds like Cruise Ship food after Norwalk Virus cleanup).

IRIS FORRESTIIPRICE 1@ \$8.00
Native of southwest China occurring at up to 4,000m it is in the Siberian-chrysographes section. One of only two yellow flowered species in the group (wilsonii is the other) easy in full sun and moist soils and looks good near ponds has been hybridized with California Iris to create Calisbes.

IRIS FULVAPRICE 1@ \$8.00
A classic Louisiana Iris with unusual coppery orange flowers, it is one of the hardest of the group and a startling sight in the garden. If you want to try Louisiana Iris in the North, this would be a good starting place, its almost as much fun as gators and Mardi Gras beads, well maybe.

IRIS GRAMINEA PRICE 1 @ \$8.00
Plum scented Iris, clumps of 8-12" slender leaves, blue violet flowers on 4-8" stems down in the foliage. Tolerates dryness and is suitable for large rock gardens.

IRIS HYB 'BATIK' PRICE 1 @ \$15.00
A blue tall bearded heavily streaked with white, very showy.

IRIS HYB 'OYEZ' PRICE 1 @ \$19.00
A beautiful netted and veined onco hybrid, as onco Iris go this one is relatively easy both outdoors here and in pots. If you want to give onco's a try this is a good place to start.

IRIS HYB 'RARE TREAT' RUFFLED BLUE WHITE PICOTEE PRICE 1 @ \$15.00
A showy white bearded thing with a blue picotee, I seldom mess with bearded but have to admit this one is outstanding.

IRIS JAPONICUM VARIEGATUM PRICE 1 @ \$8.00
Brigitta and Dick had me convinced at one point that this was tectorum, however it actually is japonicum, one of the most attractive variegated Iris, the dwarf extremely stoloniferous plants hold their variegation well, it is shy flowering but an incredible clumping foliage plant, flowers are gorgeous intricately marked flat affairs.

IRIS KAEMPFERI VARIEGATA PRICE 1 @ \$8.00
Variegated form of Japanese Iris, these are not as showy as pallida variegata, the variegation tends to fade out in summer.

IRIS KAEMPFERI SAMURAI ARROWHEADS PRICE 1 @ \$8.00
Our own strain, grown from seed collected from some of the best parents, those with less self-control would already have named a bunch of these.

IRIS LACTEA PRICE 1 @ \$8.00
Widespread species occurs all over Asia, flowers usually pale blue 4-6cm across and scented, a modest exceptionally hardy species 15-30cm tall.

IRIS LATIFOLIA 'MONT BLANC' PRICE 1 @ \$8.00
This is the English iris, which comes from Spain and thereabouts, not to be confused with the Spanish iris. It comes from quite large bulbs, sending up long leaves, followed by a strong stem carrying several flowers, in many varieties of very intense colour. They are all easy to grow, ideal in a sunny place. Iris latifolia 'Montblanc' has white flowers, but they are not pure white, having a pale purplish (lilac) shading.

IRIS LATIFOLIA **SEE IRIS XIPHIOIDES**

IRIS LONGIPETALA Ratko 00-438 PRICE \$8.00
Ron's collections east of Point Reyes at 200' above sea level where it formed large colonies in the wet areas. It's similar to missouriensis but with larger flowers; pale lavender falls and slightly darker standards. We also offer a second Ratko collection below.

IRIS LUTESCENS PRICE 1 @ \$8.00
Formerly known as Iris chamaeiris, lutescens comes from rocky dry places in southern Europe, it is quite variable in color with both purple and yellow forms, it is generally quite dwarf and early blooming.

IRIS LUTESCENS CAMPELLII PRICE 1 @ \$8.00
Very dwarf to 15cm, flowers bright violet blue; falls darker, this cute little bearded iris is native from Italy to southern Spain in dry places among rocks.

IRIS MAACKII PRICE \$8.00
A rare waterside iris from china with fanlike foliage and branched scapes bearing numerous flowers followed by attractive seed heads.

IRIS MARITIMA **SEE IRIS SPURIA MARITIMA**

IRIS MELLITA Archibald 590.950 PRICE 1 @ \$8.00
Perhaps the finest of all the Dwarf Bearded Iris, forming mats only a couple inches tall, current taxonomic thinking lumps this with I. suaveolens, however we have retained Jim's original name and population reference number to avoid confusion.

IRIS MILESII WILD PRICE \$8.00
Unique seldom offered plant from the Himalayas, purple orchid like flowers reminiscent of Pardanthopsis, but related to tectorum and the only other plant sharing its section these are from wild collected material from Mojmir in the Kulu valley in India at 2200m.

IRIS MINUTAUREA PRICE \$15.00
Native to Japan and southeast Liaoning flowers are yellow 2-3cm or so in diameter a bit reminiscent of a very dwarf yellow Iris lacustris. They are perfect for troughs or a choice spot in the rock garden

IRIS MISSOURIENSIS RMRP 99-615 PRICE \$8.00
The section longipetala contains two species missouriensis and longipetala which are variable and not easily separated. This widespread Rocky Mountain Iris is a familiar sight in the West in areas that are vernal wet. It's a cute little Western American wildflower that is under appreciated by Iris fanciers.

IRIS MONNIERI PRICE 1 @ \$8.00
A beautiful yellow Spuria, monnieri is probably a hybrid between Iris orientalis and Iris xanthosporia both of which are native to Turkey; other authorities believe I. crocea may be involved, whatever it is an excellent garden specimen with an air of mystery about it.

IRIS ODAESANENSIS PRICE \$19.00
6" clumps of grassy foliage topped with flat white flowers featuring a yellow blotch in the center of the 3 larger ones. it is very cute and quite growable. Hans Hansen have us this cool iris, a perfect companion for the yellow iris koriensis

IRIS ORIENTALIS PRICE 1 @ \$8.00
Another big spuria related to crocea but not as big, 70cm flowers white with a large central yellow blotch.

IRIS PALLIDA 'ALBO VARIEGATA' PRICE 1 @ \$12.00
Probably the showiest of the variegated Iris, boldly marked foliage, makes a dramatic accent even when not in bloom. One of the most stunning variegated plants, especially attractive when planted in large drifts.

IRIS PALLIDA 'AURO VARIEGATA' PRICE 1 @ \$12.00
Much less common in gardens the gold edged version provides an elegant contrast to Iris pallida 'Albo Variegata', we have been hoarding this for years and have finally built up enough to offer it, depending on its popularity it may not reappear again for several years, it is slow to increase.

IRIS PRISMATICA ALBA PRICE 1 @ \$8.00
Doesn't the name sound enchanting? The actual plants fall a little short of rainbow hues but form runny mats with clusters of grass-like leaves bearing striking white flowers. Reminiscent of a Siberian Iris they have a reputation for being hard to transplant but we have had no problems.

IRIS PSEUDACORUS PRICE 1 @ \$8.00
The well-known Yellow Flag Iris; yellow flowers with brown marks, plants prefer standing water but will grow in ordinary moist garden soil, quite showy.

IRIS PUMILA PRICE 1 @ \$8.00
A very dwarf bearded Iris only 7-15 cm. tall. Flowers variable in color; spring and summer flowering, it forms dense mats. Flowering freely, these rate high on Brigitta's cute meter.

IRIS SANGUINEA 'SNOW QUEEN' PRICE 1 @ \$8.00
White flowered selection of the above

IRIS SETOSA TRICUSPIS PRICE 1 @ \$8.00
A taller growing variety from Eastern Canada; more reddish violet than the type.

IRIS SIBIRICA ARROWHEAD HYBRIDS PRICE 1 @ \$8.00
Plants from our own breeding projects, these are nice looking typical Siberians.

IRIS SIBIRICA EX 'OTTAWA' PRICE 1 @ \$8.00
Seed grown from a popular named hybrid, these have been quite popular here at the nursery.

IRIS SIBIRICA MODERN HYB PRICE 1 @ \$8.00
A mix of seedlings from some of the more recent hybrids these have some interesting variations.

IRIS SINTENSII PRICE 1 @ \$8.00
A slender Spuria from the Balkans where it grows in dry scrub, it has a tufted habit and is only 10-30cm high when in flower; the color appears an almost metallic deep violet-blue from a distance, with white falls so heavily veined with violet it obscures their true nature.

IRIS SPURIA PRICE 1 @ \$8.00
The Butterfly Iris, a wide ranging complex species ranging from Sweden to Central Spain; they like a warm site and moisture during the growing season, but dry during flowering. Coloration is quite variable spurias are heavy feeders and enjoy some manure.

IRIS SPURIA MARITIMA PRICE 1 @ \$8.00
A lower growing subspecies 10-12" with red blue to violet purple flowers, as you might guess from the name maritima is native to coastal France.

IRIS SPURIA MUSULMANICA PRICE 1 @ \$8.00
A poorly defined subspecies, it seems to be a catchall for forms that don't seem to belong anywhere else, but still contains some very attractive plants.

IRIS SPURIA HYB. PRICE 1 @ \$8.00
Seedlings from a range of the better garden hybrids; these should produce some nice forms, the color spectrum is nearly as wide as the bearded's; bloom starts in June after the tall bearded's and lasts into July.

IRIS SUAVEOLENS V RUBROMARGINATA PRICE 1 @ \$8.00
Its true leaves are margined in red however this feature does not stand out, the edging is quite fine, on the other hand the plant habit and flowers are spectacular, edge or no edge it is a fantastic Dwarf Bearded Iris, not to be confused with the hybrid crap normally sold as Dwarf Bearded Iris.

IRIS SUBBIFLORA PRICE 1 @ \$8.00
A beautiful dwarf bearded species native to southern Portugal and Andalusia that is closely related to Iris lutescens, after several years of carefully building stock we finally have enough to offer.

IRIS TECTORUM ALBUM PRICE 1 @ \$8.00
The Roof Iris formerly found growing on thatched roofs in China and Japan. Its 16-20" with 4" fluttery flowers, white in color, the outer petals with dark veins and pure white delicately frilled crests. Plants are exotic in appearance and prefer a slightly acid soil. It is one of the loveliest irises.

IRIS TECTORUM BLUE PRICE 1 @ \$8.00
As above but the normal blue flowered wild type.

IRIS UNGUICULARIS PRICE 1 @ \$8.00
Marion Jarvie gave us this blue form a few years back, a winter blooming species, native to North Africa and the Eastern Mediterranean on rocky hills, this well known species was formerly called Iris stylosa.

IRIS WATTII I-16 2000 PRICE 1 @ \$8.00
Wild out of China this huge Evansiana can reach 2m if happy, although I doubt it will ever approach that here. Flowers are similar to confusa but larger with falls that hang vertically. It apparently also hybridizes with I. confusa leading to much confusion. I know I'm thoroughly dazed and confused.

ISOPYRUM BITERNATUM PRICE 1 @ \$8.00
You know spring has arrived when you start to see this little plant bloom. It adds a splash of white to the understory of woods covered with the drab leaves of fall and winter. The plant forms colonies with its horizontal creeping stems. It is usually associated with other species such as Claytonia and, Eyrhtronium

JOVIBARBA ALLIONII PRICE 1 @ \$6.50
A tiny mounding species we acquired from Gwen, globular rosettes, S.W. Alps.

JOVIBARBA HEUFFELII PRICE 1 @ \$6.50
A strange Hen and Chick, it multiplies, albeit rather slowly, by splitting the huge rosettes in half or spawning a new rosette within the existing one, refined symmetrical rosettes; blossoms are light yellow.

KARWINSKIA SP **SEE SHRUBS**

KALIMERIS YOMENA 'FUJI SNOW' (VARIEGATA) PRICE 1 @ \$8.00
An unusual aster relative with excellent variegated foliage, and clouds of lavender tinged white flowers in fall atop 18" stems; its one of the better new plants we have seen lately.

KEISKEIA JAPONICA V HONDOENSIS PRICE \$12.00
Dick brought us this, an obscure woodland perennial from Japan; I think he got it from Yinger. It is hardy with 2-3' stalks of showy white flowers, becoming shrub like with age.

KIRENGESHOMA PALMATA PRICE \$8.00
3' fall flowering Saxifrage relative, with large yellow bell-shaped flowers, a curious and magnificent Japanese oddity.

KNAUTIA MACEDONICA PRICE 1 @ \$8.00
A burgundy flowered Scabiosa relative that flowers for months and naturalizes well in the garden. We find them in the lawn and if we don't mow too often they will flower. Obviously we don't use herbicides on the lawn.

KNAUTIA MACEDONICA 'MARS MIDGET' PRICE 1 @ \$8.00
Men are from Mars women are from Venus and this thing is from Germany. An intriguing but meaningless introduction. 'Mars Midget' is a cute dwarf Knautia developed by Jelitto that flowers for a long period and thrives in a sunny dry spot.

KNAUTIA MACEDONICA 'MELTON PASTELS' PRICE 1@ \$8.00
As above but in an exciting range of pastel colors, look for these to become widespread in garden centers in the future, this strain has huge commercial potential.

KNIPHOFIA BRACHYSTACHA PRICE 1@ \$8.00
New to us these have not flowered nor are they listed in any of my references.

KNIPHOFIA CITRINA PRICE 1@ \$8.00
Like a smaller uvaria with yellowish green flowers, these may possibly be hybrids.

KNIPHOFIA ENSIFOLIA EX. AGS 2001 PRICE 1@ \$8.00
One of the more spectacular pokers with phallic red and yellow scapes to 2 meters or more.

KNIPHOFIA GALPINII HYB PRICE 1@ \$12.00
A rather broad-leaved evergreen species with coral and cream squatly pokers atop meter high stems, we are growing several clones from Archibald's seed.

KNIPHOFIA NORTHIAE EX ARCHIBALD PRICE 1@ \$12.00
A rather broad-leaved evergreen species with coral and cream squatly pokers atop meter high stems, we are growing several clones from Archibald's seed.

KNIPHOFIA UVARIA BORDER BALLET PRICE 1@ \$8.00
Our selection from the best colors including many pastels that won't clash with everything else, by far the best hybrid Kniphofia we have ever offered.

KNIPHOFIA UVARIA 'FLAMINGO' PRICE 1@ \$8.00
Big orange pokers it is extremely showy.

KNIPHOFIA UVARIA GRANDIFLORA MIX (PRAECOX) PRICE 1@ \$8.00
Very large flower scapes mostly in hot orange shades. This is an excellent poker, more fun than Texas hold'em, and safer than poking streetwalkers.

LAMIASTRUM GALEOBDELON HERMAN'S PRIDE PRICE 1@ \$8.00
Bet you can't say galeobdelon three times fast Herman could and he was proud, this tongue twister is an excellent mat forming perennial for shade, the narrow toothed leaves are heavily spotted and streaked with silver, verticillasters of yellow flowers speckled with brown are a nice added touch but it is the foliage that is the star here.

LAMIUM MACULATUM 'PURPLE DRAGON' PRICE 1@ \$8.00
Much like the above but with dark purple flowers.

LAMIUM ORVALA PRICE 1@ \$12.00
Orvala is cool with bold foliage and fantastic flowers, it has been very slow to get going for us although Dick's plants have clumped up nicely, the only possible complaint is that the 4.5cm long flowers are a bit obscured by the foliage.

LANCEA TIBETICA PRICE 1@ \$6.50
A beautiful tufted plant closely related to Mazus, this little Scroph is nearly monotypic, only two species occur, and are differentiated from Mazus by the globular seed pod which does not split when ripe. Mojmir found it growing near water at 4500m in the Ladakh range, flowers are two lipped, bright blue to mauve purple, and borne horizontally just above the creeping mats of foliage.

LATHYRUS NIGER PRICE 1@ \$8.00
Racemes dark violet flowers on compact plants that seldom exceed 80cm this is the famous black pea of the Caucasus.

LATHYRUS VERNUS PRICE 1@ \$8.00
A cute little blue flowered bushlet, 12" high, spring blooming, long-lived, pink flowers, we never seem to have enough.

LATHYRUS VERNUS ALBOROSEUS PRICE 1@ \$8.00
The pink and white bicolored form, vernus is a well-behaved garden plant that is indispensable, Pauline Banyai used to grow it with her Hosta, and people still comment on how nice it looked.

LAURENTIA FLUVIATILIS PRICE 1@ \$6.50
A cute little blue flowered carpeter that we assumed wasn't hardy until we saw it in Toronto.

LAURENTIA (ISOTOMA) FLUVIATILIS WHITE STAR CREEPER PRICE 1@ \$6.50
We like this cut little white flowered creeper, a perfect companion for the blue form typical of the species, it seems equally hardy and easy to please,

LAVANDULA ANGUSTIFOLIA 'GOLDBURG' PRICE 1@ \$8.00
This variegated lavender is commonly sold as *L. angustifolia* 'Goldberg', it is more likely a hybrid a hybrid, *L. x intermedia* 'Goldberg'. *L. x intermedia* is alternately listed as *L. hybrida* & *L. hortensis*, Botanically speaking, it is a cross between *L. angustifolia* & *L. latifolia*. By any name it is an excellent variegated clone.

LAVANDULA ANGUSTIFOLIA HIDCOTE SUPERIOR PRICE 1@ \$8.00
A reselection of the old fashioned Hidcote blue, more compact and uniform than the original and very free flowering.

LAVANDULA ANGUSTIFOLIA NANA PRICE 1@ \$8.00
An extremely compact dwarf form with typical lavender flowers cute enough for a trough when young.

LAVANDULA ANGUSTIFOLIA NANA ALBA PRICE 1@ \$8.00
As above but with white flowers and maybe just a trifle larger.

LAVANDULA 'PASTOR'S PRIDE' PRICE 1@ \$8.00
Dark flowers on long stems and little tendency to melt. John at H&H considers it one of the very best, but really, a dark lavender, doesn't 'Demon's Bride' have a better ring to it.

LEONTOPODIUM PALIBINIANUM PRICE 1@ \$8.00
Native to North Asia and pretty much the same as alpinum, I agree with Farrer that they hardly deserve the hype however they are great as food plant for painted lady butterflies larva that adore them.

LEPTINELLA PERPUSILLA PRICE 1@ \$6.50
A matformer Brigitta got from Joy Creek; this has been a Cotula in the past, it had enough cute appeal for Brigitta to pluck it from the sales bench.

LEPTINELLA SQUALIDA 'PLATT'S BLACK' PRICE 1@ \$6.50
A cute little creeper from New Zealand with startling black foliage that is a bit reminiscent of some of the Cotula species, this little composite is a great foliage accent between stones, flowers are nothing to write home about but the plant is cool. Like most New Zealanders, it needs some protection here.

LESQUERELLA ALPINA PRICE 1@ \$6.50
A small gray leaved crucifer from the Rockies yellow flowers, easy and cute.

LESQUERELLA OVALIFOLIA PRICE 1@ \$6.50
A long lives species from the shales of Fremont Co. CO at 4800'; it becomes a gnarled bonsai like shrublet with age sporting intensely silvered foliage and loose racemes of yellow flowers.

LEUCOSCEPTRUM JAPONICUM 'VARIEGATA' PRICE 1@ \$15.00
An obscure Japanese mint with splashy yellow variegation and 18" stems bearing pinky mauve flowers in the leaf axils.

LEUCOSCEPTRUM STELLIPILLUM PRICE 1@ \$15.00
A Japanese woodland mint with broad bold foliage and fat spikes of lavender pink flowers in late summer into fall, this is rarely seen in American gardens.

LEWISIA COLUMBIANA PRICE 1@ \$6.50
Typical wild type columbiana no particular subspecies, this is mostly from garden stock.

LEWISIA COLUMBIANA RUPICOLA PRICE 1@ \$6.50
Airy baby's breath sprays of tiny pink flowers, narrow leaved rosettes, a demure and charming species, too seldom seen in cultivation.

LEWISIA COLUMBIANA COLUMBIANA PRICE 1@ \$6.50
A Ratko collection from 6,000' in the Entiat Mts., we have selected a free blooming plant with heavily branched inflorescences bearing numerous small violet veined rose flowers.

LEWISIA COLUMBIANA WALAWALENSIS PRICE 1@ \$6.50
One of my favorite Lewisias with clusters of narrow-leaved rosettes and airy sprays of small flowers; clonally propagated from a select form.

LEWISIA PYGMAEA PRICE 1@ \$6.50
An easy deciduous species, pygmaea seeds around in the garden, with stems of small pink flowers encircling the tuft of fleshy leaves.

LEWISIA HYB. 'GEORGE HENLEY' PRICE 1@ \$6.50
Supposedly a hybrid between columbiana and cotyledon; it is quite attractive and clearly a hybrid, however I see little columbiana influence.

LEWISIA 'NORMA JEAN' PRICE 1@ \$6.50
This looks to be a cross between cotyledon and columbiana, rosettes are large and cotyledon like with the airy sprays of smaller flowers typical of columbiana. Of course I'm just guessing, actually I'm too lazy to dig through the old Mt. Tahoma catalogs and see what Rick has to say. We do these from cuttings so plants are clonal.

LEWISIA 'PINKIE' PRICE 1@ \$6.50
Many pale pink flowers on short stems through summer, slow growing into a compact mound.

LIATRIS CALLOLEPSIS Ex Hammer PRICE 1@ \$8.00
Like a dwarf spicata, callolepis is probably the plant that Kobold was developed from, compact and showy it is a good garden plant.

LIATRIS ELEGANS PRICE 1@ \$8.00
A graceful species from the Southeastern U.S. with pinkish purple flowers on 60cm scapes arising from a corm-like rootstock, its generally hardy here but we have lost it in hard winters.

LIATRIS PYCNOSTACHYA Ex Hammer PRICE 1@ \$8.00
Bright purple flowers in dense 4' spikes; thrives on dry soils, great cut flower, easy. This is different from the plant that is widespread in the trade under this name; I trust these to be the true species.

LIATRIS PYCNOSTACHYA ALBA Ex Hammer PRICE 1@ \$8.00
White form of the above.

LIATRIS SPHAEROIDEA PRICE \$8.00
The name may be a bit tenuous, this is an aspera like plant from a very xeric prairie relic. tuberous rooted and quite attractive to monarch butterflies whatever the name it is a great plant for a dry garden

LIATRIS SPICATA KOBOLD PRICE 1@ \$8.00
Pinkish purple spikes open from the top down, extremely popular cut flowers, equally indispensable in the garden; this is the best dwarf cultivar.

LIGULARIA DENTATA 'BRIT-MARIE CRAWFORD' PRICE 1@ \$12.00
Supposedly, this has the darkest leaves of all, but we have never planted it side by side with the others and foliage color is influenced by many factors but as we grow it is black.

LIGULARIA (FARFUGIUM) JAPONICUM 'AUREOMACULATA' PRICE \$8.00
Ligularia if you prefer although Farfugium has a nice ring to it, big green leaves with odd almost sickly yellow spots, its harder than the literature would lead you to believe.

LIGULARIA (FARFUGIUM) TUSS. 'CRISTATA' PRICE \$8.00
As above but with wavy piecrust margins on the leaves and no spots, Farfugiums need it wet to succeed.

LIGULARIA STENOCEPHALA 'THE ROCKET' PRICE \$12.00
The most widely grown species with big spires of yellow flowers to 180cm tall, it's similar to przwalskyi but without the toothing in the leaves.

LIMONIUM COSYRENSE PRICE 1@ \$6.50
A Mediterranean species with tufts of leathery leaves and light purple statice flowers on short stems produced for a long period in the summer.

LIMONIUM DICTIOCLADUM PRICE 1@ \$6.50
Can't remember where this is from, maybe the Czechs, a small plant a bit like cosyrense.

LIMONIUM MINUTUM PRICE 1@ \$6.50
A densely tufted little statice native to the limestone sea cliffs of Southeastern France with cushion like masses of closely packed tiny rosettes sprouting from a woody rootstock and sending up numerous short spikes of violet statice flowers.

LINNAEA BOREALIS PRICE - \$8.00
Twinflower, flat mat, suitable for shaded nooks in the rock garden it prefers acid soils. The fragrant paired pink flowers appear in the leaf axils; Linnaea is one of the finest mat formers for the woodland garden, courtesy of Dick Punnett.

LINDELOFIA LONGIFLORA PRICE - \$12.00
Buy this and you have collected a quarter of the genus, longiflora is native to the Himalayas at altitudes up to 5000m which is getting up there, long tubed bright blue flowers in scorpioid cymes above 30-50cm high clumps of pubescent foliage, previously known as Lindelofia spectabilis it is indeed beautiful.

LINUM TAURICUM PRICE 1@ \$6.50
A yellow flowered species native to the Caucasus and Turkey, it is essentially a dwarfier version of flavum with good yellow flowers.

LIRIOPE MUSCARI 'OKINA' PRICE 1@ \$12.00
Frosted Monkey Grass, the broad leaves are more reminiscent of Ophiopogon and emerge pure white (vanilla frosting?) and develop green tips as they age flowers are typical purple spikes.

LIRIOPE MUSCARI 'PEE DEE INGOT' PRICE 1@ \$12.00
Please no peeing on dee ingot it will tarnish the gold.

LITHODORA DIFFUSA GRACE WARD PRICE 1 @ \$8.00
Cascading over the side of a trough, it produces a waterfall of the most beautiful cerulean flowers, long amongst the most popular rock garden plants, lime free soil and full sun are best. It is harder than often reported and looks great with Erica.

LITHODORA DIFFUSA HEAVENLY BLUE PRICE 1 @ \$8.00
Similar to the above with Gentian blue flowers a little lighter in shade than Grace Ward, both need acid soil for best color.

LITHODORA DIFFUSA 'WHITE STAR' PRICE 1 @ \$8.00
A new variation of the popular and well-known *Lithodora* 'Grace Ward,' this cultivar has the same evergreen, narrow foliage and slightly mounding, prostrate habit, but the flowers sport a white central star with a vibrant bright blue edge. When in bloom, the foliage is nearly covered with these showy, blue and white blossoms. A *Blooms of Bressingham introduction* it is perfect for a rockery, or cascading over a retaining wall or down a bank. 'White Star' is especially useful in sunny locations with lean, moist soil, but will tolerate dry soil once established. It makes an excellent ground

LITHODORA HISPIDULA PRICE 1 @ \$8.00
A little boraginaceous shrublet native to Turkey and Crete, flowers open white than age pink through blue to blue-violet.

LITHODORA OLEIFOLIA PRICE 1 @ \$8.00
This is probably the hardest of the genus, native to only one small area in the Eastern Pyrenees, it spreads by underground stolons, but hardly could be considered a weed; the 10-15cm flower stems bear pink flowers that age to purplish blue.

LITHODORA ZAHNII PRICE 1 @ \$8.00
A rare species restricted to a small area of Greece in the wild. 18" evergreen shrublet with long narrow leaves and brilliant sky blue flowers, it needs some protection here.

LOBELIA CARDINALE ARROWHEAD FORM PRICE 1 @ \$6.50
A parent of many of the hybrids this is the pure species with no fulgens mixed in. Plants under this name often are contaminated by fulgens. Telltale signs are reddish foliage and lack of hardness, the pure species is hardy well into Northern Canada. Here it's brilliant scarlet flowers light up the banks of the red cedar river sowing profusely on the disturbed floodplain these are the real deal from our native colony.

LOBELIA CARDINALE PRICE 1 @ \$6.50
As above but from commercial seed sources they seem fulgens free.

LOBELIA CHINENSIS PRICE 1 @ \$6.50
A creeping species from H&H Botanicals, white flowers, very cute and less than 1" high, supposedly hardy; it is used medicinally and is a very desirable ornamental.

LOBELIA KALMII PRICE 1 @ \$6.50
A delicate blue lobelia native from Newfoundland to Pennsylvania, west to British Columbia, and Colorado to Hudson Bay in Marl or peat bogs, along shores and in other wet places.

HYBRID LOBELIAS

The following are the result of crosses between cardinalis, siphilitica, and fulgens and are better garden plants than either parent. The Fan's which are from Benary in Germany mostly are tetraploid and very large flowering and everblooming. Thurman Maness has done some fantastic work in the genus. Hardy, to zone 3, they root easily from cuttings even in water on the windowsill.

LOBELIA SPECIOSA 'LA FRESCO' PRICE 1 @ \$6.50
A dark purple with very congested heads and a tendency to fasciate, which the flower arrangers admittedly love, however it is often indicative of virus. In my experience Lobelias are a magnet for virus and should probably be indexed before being tissue cultured. We have pitched a number of interesting streaky variegates which were apparently viral in origin.

LOBELIA SPECIOSA 'LILAC CANDLES' PRICE 1 @ \$6.50
Lobelia siphilitica 'Lilac Candles' is much more compact and with many more flowers congested together on the flowering stems than the species and the flowers are lilac-colored rather than the typical blue,

LOBELIA SPECIOSA 'RUBY SLIPPERS' PRICE 1 @ \$6.50
Back by popular demand, Thurman's ruby red is always a sellout.

LOBELIA SPECIOSA 'SPARKLE DEVINE' PRICE 1 @ \$6.50
Thurman's classic, dynamite with a laser beam, it's a killer tetraploid Lobelia, exotic dark magenta flowers, all the more after Tony Avent told us the story of its origins, you know Tony and his stories, priceless as is the plant.

LOTUS CORNICULATUS PLENUS PRICE 1 @ \$8.00
As many of you probably know, Punnett likes pea flowers, if they happen to be yellow so much the better (we forgive him this minor character flaw, normally he has excellent taste in plants). This thing has double yellow pea flowers although it tends to be somewhat shy flowering, we accidentally trashed our entire stock last year but Dick brought more.

LUZULA 'RUBY STILLETTO PRICE 1 @ \$12.00
A shade lover with ruby tinted grass like foliage particularly in the spring; this is an excellent addition to your shade garden and a good contrast with broad foliaged plants.

LYCHNIS 'ROLLY'S FAVORITE' (AKA: SILENE X ROBOTII) PRICE 1 @ \$8.00
I have seen this listed as silene x robotii, the legendary robot lychnis, alas it is only flos jovis, and I was already planning a servo drive upgrade, since electronics are out, simply plant and enjoy the masses of 1" dark pink flowers. It's easy and very floriferous.

LYCHNIS CHALCEDONICA RED CROSS PRICE 1 @ \$8.00
What can you say about Red Cross, it's true they are bloodsuckers but at least they don't use their vehicles to transport weapons like the Red Crescent.

LYCHNIS CHALCEDONICA ALBA PRICE 1 @ \$8.00
A pure white version of Maltese Cross, it makes a nice contrast with the bright red form.

LYCHNIS FLOS-CUCULI CONJESTA PRICE 1 @ \$8.00
Reaching only 6" in height with lacinated red flowers over tightly imbricated mounds of leaves, this is one of the few first-rate Lychnis.

LYCHNIS FLOS-JOVIS PRICE 1 @ \$8.00
Flower of jove, not quite sure what he did with cute little pink flowers but this one is joves or jupiters depending on the mythology.

LYCHNIS MIQUELIANA PRICE 1 @ \$8.00
Insanely popular, someone featured this in a magazine article a few years back and we have been selling out every since, huge orange flower on fairly compact plants it tends to go summer dormant if stressed.

LYCORIS CARDWELLII EX WADDICK VIA PUNNETT PRICE 1 @ \$24.00
These are from Jim waddicks collections in china, pale yellow flowers that fade to white as they mature, it has been hardy here but rather slow to multiply.

LYCORIS RADIATA V.PUMILA PRICE 1 @ \$15.00
These date from a Waddick collection in China, a hardy dwarf form with exceptional spidery red flowers, unbelievable looking but slow to multiply.

LYCORIS SHANXIENSIS WHITE FLOWERED PRICE 1 @ \$15.00
A creamy white flowered species we got from china. it is great in combination with Lycoris radiata v.pumila, it seems equally hardy.

LYSIMACHIA CILIATA V. PURPUREA PRICE 1 @ \$6.50
Deep purple leaves and stems; yellow flowers in the leaf axils provide striking contrast. Runs a bit, but is pretty enough to be forgiven.

LYSIMACHIA CLETHROIDES PRICE 1 @ \$8.00
Goose Neck Loosestrife is an elegant upright plant with racemes of white flowers that arch in a graceful curve. Flower arrangers love them. I would rate them as one of the very best cut flowers, runners but not too weedy or invasive on drier sites.

LYSIMACHIA NUMMULARIA AUREA PRICE 1 @ \$6.50
A fast growing gold leafed groundcover, the green version is a weed but the gold is OK.

LYSIMACHIA PUNCTATA PRICE 1 @ \$6.50
A large perennial native to Europe that thrives in a moist spot, 1.5m stems bear multiple whorls of 1" yellow flowers, it is tolerant of seasonal flooding and when planted en masse puts on quite a show.

MACLEAYA MICROCARPA PRICE 1 @ \$8.00
Plume Poppy, a big bold plant with grape leaves turned to grayish bronze and topped with coral and cream plumes that reach 2m or more; it is lovely, but a running menace that could compete with bamboo, so be careful where you plant it.

MAIANTHEMUM BIFOLIUM V KAMTSCHATUM 'MINIMA' PRICE 1 @ \$15.00
A dwarf version of the Eurasian false lily of the valley, white flowers followed by red fruits it is a neat little creeper for the woodland garden.

MAIANTHEMUM DILATATUM 'BABY MOON' PRICE 1 @ \$24.00
Unbearably cute with golden edged little round leaves this thing is much nicer than our native canadense, the taxonomy is a bit confused but I believe dilatatum is conspecific with kamschatum which some consider part of biflorum, how can a genus of 3 or 4 species get so confused? It's also called Snakeberry and Two Leaved Solomon's Seal and the ever ubiquitous Wild Lily of the Valley.

MALEPHORA CROCEA PRICE 1 @ \$6.50
A cool looking South African mesemb with unusual scarlet orange flowers that fade to bronze as they age.

MANFREDA VIRGINICA PRICE 1 @ \$8.00
Strange, deciduous Agave relative, it dies down to a succulent rootstock in the winter. In the spring a new rosette of red spotted green leaves emerges. It has proven hardy here and the foliage is quite a conversation piece, and the flowers are cool as well, I suspect it would be much more popular if it was a bit quicker to propagate, we have been working since 1997 to produce enough to offer.

MATTHIOLA INCANA PRICE - \$8.00
Woody based subshrub or perennial with densely white tomentose leaves, fragrant spikes of 4-petaled pink or purple flowers; native to Southwestern Europe and the Middle East, this perennial species is one of the parents of the annual garden stocks.

MAZUS RADICANS PRICE 1 @ \$8.00
A cool little plant we got from Tony Avent. I half expected M. reptans by another name however this New Zealander is very distinct and a fast grower. There is a fair chance it will prove hardy here, Dick has it out and says it still looks great in January.

MAZUS REPTANS PRICE 1 @ \$6.50
Prostrate creeping scroph with purple and yellow showy flowers, moist soils, a wonderful weed-excluding groundcover for sun to part shade, Himalayas.

MAZUS REPTANS ALBA PRICE 1 @ \$6.50
White form of the above.

MEEHANIA URTICIFOLIA 'SILVER SPRINTER' PRICE 1 @ \$8.00
Stunningly variegated foliage and large minty flowers this is lovely but despite the name it is slow, we have been working for a couple of years to produce enough to list. Gold medals for looks not even a bronze for speed.

MELITTIS MELISSOPHYLLUM PRICE 1 @ \$15.00
Having problems with bastards? Balm 'em with Bastard Balm, I can see the infomercial now, but wait there's more, seriously though Melittis is a lovely monotypic (we love monotypic) European labiate with "whorls of the most vivid white pink or purple with ample lip and showy helmet, the whole thing being like a sainted Dead Nettle of inordinate magnificence". I can't improve on Farrer's phytoerotic description my Orange Clean Ginsu knife thing pales by comparison.

MENTHA CAPENSIS HIMALAYENSIS PRICE 1 @ \$8.00
Something is wrong here I don't think the Himalayas have a cape or vice versa.

MENTHA SUAVEOLENS PINEAPPLE MINT PRICE 1 @ \$8.00
A nice little mint we use in patio tubs, foliage not surprisingly smells like pineapple.

MENYANTHES TRIFOLIATA PRICE 1 @ \$8.00
Bog bean, a strange semi aquatic Gentian relative with a circumboreal distribution, some of these came from Iceland sources, erect racemes of 10-20 fimbriated inch wide white flowers, often flushed with pink these have been utterly spectacular in our waterfall garden, by far the most commented on aquatic we grow.

MICHAUXIA TCHIHATCHEFFII PRICE 1 @ \$8.00
Spectacular monocarpic campanulad, huge cartwheel like flowers with reflexed petals and a protruding style; a plant in full flower will enchant you (as well as stop traffic on your street). If you have never grown this pair you have to give them a try, put 3 of each in a sunny well drained garden and they will seed around for years. With plants that persist by self sowing it is always better to start with more than one to ensure good seed set.

MINUARTIA LARICIFOLIA PRICE 1 @ \$6.50
A nice little minuartia, with rather large white flowers it's a great plant for a dry rock garden .

MINUARTIA STELLARIA 'FRANK CABOT' PRICE 1 @ \$8.00
Tight mats of grassy green leaves, this would make the ultimate putting green; on second thought it is too nice to waste on golfers, I played golf once, it wasn't a total waste, I had a great time collecting hatching Spiny Softshells from one of the water holes.

MINUARTIA VERNA PRICE 1 @ \$6.50
One of the most desirable species with golf green cushions of short bright green foliage, these are not as tight as some that I have seen but still very nice cushion plants.

MIRABILIS MULTIFLORA Price - \$12.00
An incredible plant from the western U.S. It's hard to believe it's not more widely grown, large mounds of attractive leathery leaves and brilliant magenta to violet funnel-form flowers, which are produced for many months. It may take a couple of years to settle in, but once established it's amazing.

MISCANTHUS FLORIDUS GIGANTEUS PRICE - \$19.00
A gift from Punnett accepted with some trepidation, I've seen the immense 14' clumps in his garden; this thing needs room. Old stems make fine bamboo like stakes.

MISCANTHUS SINENSIS 'ADAGIO' PRICE - \$12.00
Compact dwarf species 2'-4' silver grey foliage with a distinct whit midrib, flowers emerge pink and turn white.

MISCANTHUS SINENSIS 'CABARET' PRICE - \$15.00
Wide milky white central stripe and fine green edges, the showiest of all the Miscanthus in my estimation and always a sellout, still pricey it's a supply and demand thing.

MISCANTHUS SINENSIS 'COSMOPOLITAN' PRICE - \$15.00
The reverse of Cabaret; wide blades of grass with green centers and wide white edges; 'Cabaret' and 'Cosmopolitan' the above are the two most attractive vertically variegated clones.

MISCANTHUS SINENSIS 'GRACILLIMUS' PRICE - \$12.00
Graceful arching narrow foliage to 5' with silvery plumes rising 2' beyond the foliage.

MISCANTHUS SINENSIS 'GRAZIELLA' PRICE - \$12.00
Huge silvery white plumes this one is good in the north because it flowers early.

MISCANTHUS SINENSIS 'KASCADE' PRICE - \$12.00
Early blooming with large cascading pinkish flowers.

MISCANTHUS SINENSIS 'LITTLE KITTEN' PRICE - \$12.00
Just what Arrowhead needs, cute, dwarf, no not another kitten, we tend to be a bit overrun but not with bunnies or chipmunks or mice, and hey as the food supply dwindles they are starting to catch moles.

MISCANTHUS SINENSIS 'STRICTUS' PRICE - \$12.00
Stiffly erect with horizontal stripes there is a kinky description tied up here somewhere.

MISCANTHUS SINENSIS 'VARIEGATA' PRICE - \$12.00
One of the oldest cultivars around since the 1900, still popular today white striped leaves, and a somewhat floppy habit; becoming superseded by Cosmopolitan.

MISCANTHUS SINENSIS 'ZEBRINUS' PRICE - \$12.00
Zebra grass, large arching foliage, with yellow horizontal bands on the wide leaves; yellow banding does not show until early summer. The pinkish copper plumes appear in autumn become fluffy as they mature. Like all the rest it is slow to come out of dormancy in the spring, don't yank em as dead, also they seem to winter best if the foliage is left up all winter.

MOLOSPERMUM PELOPONNESIANUM PRICE - \$12.00
Angelica-like, large umbels of white flowers atop 2m stems, seldom seen in gardens.

MONARDA DIDYMA 'BEAUTY OF COBHAM' PRICE - \$8.00
The tubular-petaled, hummingbird-attracting flowers of this Monarda are a distinctively-tiered pink over striking purple bracts on this RHS Award of Garden Merit winner. Combined with aromatic (somewhat lemon-spicy) foliage that is uniquely tinged purple, it's a new twist on what is already an attractive and popular perennial in its standard form. Prefers moist soils and full sun but tolerates average conditions and a few hours of shade. Works well with other summer blooming meadow perennials. Although it can spread quickly where conditions are ideal, renegade surface-rooting succulent stems are easily removed.

MONARDA DIDYMA 'CAMBRIDGE SCARLET' PRICE 1 @ \$8.00
Outstanding scarlet red flowers it is not particularly mildew resistant but worth growing for the color that hummingbirds adore.

MONARDA DIDYMA 'COLRAIN RED' PRICE 1 @ \$8.00
Very mildew resistant with abundant red flowers this was selected by Chicago Botanic Gardens and is an excellent performer in the garden.

MONARDA DIDYMA 'CORAL REEF' PRICE 1 @ \$8.00
As its name implies, 'Coral Reef' features exceptionally large, coral-pink blooms. This Bee Balm has a habit similar to that of the great favorite 'Marshall's Delight'. This tough and aromatic plant is great for attracting hummingbirds and butterflies. It's also mildew resistant and vigorous to the point of invasiveness

MONARDA DIDYMA 'DARK PONTICUM' PRICE 1 @ \$8.00
Dark green mildew resistant foliage and pure violet purple flowers.

MONARDA DIDYMA 'FIREBALL' PRICE 1 @ \$8.00
'Fireball' is a compact Bee Balm cultivar that typically grows to 15-20" tall with an upright, outwardly spreading habit. It is easily grown in average, medium to wet, moisture retentive soils in full sun to part shade. Tubular, two-lipped, red-purple flowers are borne in dense, globular, verticillasters atop stiff square stems clad with serrate green leaves. It has a long summer bloom period and is resistant to powdery mildew. Monarda is commonly called Bee Balm in reference to a prior use of the leaves as a balm for bee stings, but it is no substitute for an epi pen

MONARDA DIDYMA 'LITTLE SIBERIA' PRICE 1 @ \$8.00
Mildew resistant with small pink flower heads it is not something I would have ever selected but some folks seem fond of it.

MONARDA DIDYMA 'MARSHALLS DELIGHT' PRICE 1 @ \$6.50
Long blooming and mildew resistant with full heads of rose pink flowers.

MONARDA DIDYMA 'ON PARADE' PRICE 1 @ \$8.00
Intense velvety fuchsia flowers and excellent mildew resistance.

MONARDA DIDYMA 'PETITE WONDER' PRICE - \$8.00
Full heads of clear pink flowers atop foot high plants, this is even shorter than petite delight, it is very cute but suffers a bit in hot weather.

MONARDA DIDYMA 'RASPBERRY WINE' PRICE - \$8.00
Wine red flowers and excellent mildew resistant foliage this is an extremely vigorous grower. It loves full sun, does fine with part shade, & wants rich acid soil. It also wants persistently moist well draining soil but when established will tolerate short drought periods if it really has too. It makes for gorgeous cut flowers that last a long while in bouquets, & it blooms all summer long, strongest at mid- to late-summer. It can grow a full four feet high to its bloom tips for its first two years, & by its third year some of the flowers can rise to six feet. With even halfhearted deadheading it reblooms at least until September & sometimes well into October.

MONARDA DIDYMA 'SNOW WHITE' PRICE 1 @ \$8.00
A little something for the moon garden this is one of the best whites.

MONARDELLA VILLOSA SSP. GLOBOSA PRICE 1 @ \$8.00
Spreading perennial, decumbent stems 1-2' tall by 3' wide, excellent cascading down slopes or over rock walls, dark slate gray strongly fragrant leaves fuzzy underneath, heads of light purple, feathery, exquisite, 3"+ flowers.

MORINA LONGIFOLIA PRICE 1 @ \$8.00
It's been a while since we last offered Morina. It's a cool Himalayan plant in the Morinaceae a small family with only 4 species. Longifolia features spiny attractive foliage and flowering stems that support verticillasters of white flowers that age from white to pink to bright crimson.

MORISIA MONANTHOS (HYPOGAEA) PRICE 1 @ \$8.00
A cool little plant from Rick Lupp; it is a monotypic (not monocarpic) crucifer, best propagated by root cuttings, forming close tufts of deep lustrous evergreen pinnately cut leaves and clusters of 4 petaled yellow flowers on short stems from the center of each rosette; fairly hardy despite its Mediterranean origins.

MUEHLENBECKIA AXILARIS PRICE 1 @ \$8.00
A mat forming member of the Polygonaceae, its cute, and hardy here, which is more than you can say for most of the New Zealand flora.

MUKDENIA ROSSII PRICE 1 @ \$12.00
Actually, I prefer Aceriphyllum; Mukdenia sounds so... well, mucky, not at all apropos. An engaging monotypic woodland Saxifrage relative from China; with large maple like leaves; the 5 petaled stary white flowers are in compact helicoid cymes arising from the creeping rootstock.

MUKDENIA ROSSII 'KARASUBA' PRICE 1 @ \$19.00
A Japanese selection with green leaves edged in reddish purple I believe this is identical to the plant being marketed as 'Crimson Fans'. I hate it when they do that.

MUKDENIA ROSSII 'OGON' PRICE 1 @ \$19.00
A Japanese selection of this Korean native, the large leaves emmerge yellow and fade to greenish yellow. Flowers are the typical white of the species. Best placed in a cool moist woodland garden near water.

MUKDENIA ROSSII 'SHISHIBA' PRICE 1 @ \$19.00
Another new selection from Japan with deeply cut foliage the textural effect is quite different from the straight species.

MUKDENIA ROSSII 'STARSTREAM' PRICE 1 @ \$19.00
A nice variegated form with irregular splashed foliage, still very scarce in cultivation.

MUSA BASJOO PRICE 1 @ \$29.00
Musa basjoo is cold hardy to -20 degrees when mulched properly. It is the hardiest of all bananas. In warm weather months it can grow up to 2 feet in a week. It's mature height is 18'. It can flower and bear fruits at 10' or whenever it has 35 leaves. The bananas are not edible but the yellow flowers are stunning.

MYOSOTIS SCORPOIDES PRICE 1 @ \$8.00
Also known as Myosotis palustris, the Water Forget-me-not is native to Europe and Asia and it can be found elsewhere, including much of North America. It grows in bogs and wet places and beside streams and rivers. It is an erect plant which ranges in height from 6"-24", bearing small Eritrichium blue flowers with yellow centers. It blooms from mid-spring to first frost in temperate climates.

NANANTHUS ALOIDES PRICE 1 @ \$8.00
Big thick fleshy leaves it is a Delosperma on steroids, very slow to increase, this is one of the most spectacular mesembs we grow.

NEPETA X FASSENII SELECT PRICE 1 @ \$8.00
Anyone who has visited Arrowhead knows we have cats lots of cats. We also have cat tested and approved Cat Mint, which is pretty even if you lack cats.

NEPETA X FASSENII 'BLUE WONDER' PRICE 1 @ \$8.00
A very free blooming mounding plant it is one of the showiest nepeta forms.

NEPETA DISTANS PRICE 1 @ \$8.00
An obscure species that was distributed a few years back by Heronswood, a long blooming plant with powder blue flowers atop 2' stems.

NEPETA PHYLLOCHLAMYS PRICE 1 @ \$8.00
Beautiful gray rugose mats of foliage, my favorite species the perfect gift for the pussy (oops Nugent mode, none of that purring with the stroke of your hand stuff), cat next door; phyllochlamys is obscure in literature and regrettably rare in cultivation and native to the Mediterranean.

OENANTHE JAVANICA 'FLAMINGO' PRICE 1 @ \$6.50
A tricolor variegated umbellifer, the foliage is green with pink and white variegation and umbels of white flowers, and no the name is not a typo. It is native from Japan to Malaysia and grown as a leafy vegetable. Although books list it as zone 9, Marion Jarvie in Toronto, and Punnett both grow it without protection. Southern gardeners may want to be wary but it seems well behaved in the North and it is a gaudy thing.

OENOTHERA ELATA HOOKERI PRICE 1 @ \$6.50
A big yellow sundrop, showy yellow flowers provide lots of color for the perennial border.

OENOTHERA FRUTICOSA 'FRUHLINGSGOLD' PRICE 1 @ \$6.50
Tricolor pink and white variegation in spring changing to green with creamy white margins as the season progresses. 'Fruhlingsgold' is topped with fragrant yellow Sundrop flowers for much of the summer.

OENOTHERA FRUTICOSA GLAUCA 'HOBE LICHT' PRICE 1 @ \$6.50
Yet another German Sundrop.

OENOTHERA PILOSELLA 'YELLA FELLA' PRICE 1 @ \$6.50
Golden lightly scented saucer-shaped blossoms opening during the day, and the reddish autumn foliage adds to it's garden interest.

OENOTHERA SPECIOSA PRICE 1 @ \$6.50
A creeping day blooming species with white to pale pink flowers. It is a good mid sized species that always looks good in a mixed border.

OENOTHERA STRICA PRICE 1 @ \$6.50
I generally like the south american flora, and this oenothera is no exception, a chilean species not frequently seen in gardens with bright yellow flowers that age to peach

OMPHLOIDES VERNA 'GRANDIFLORA' PRICE 1 @ \$12.00
Navelwort? What does this grow in dirty bellybuttons? The sky blue flowers are rather pretty and it is less painful than a piercing, however we recommend troughs especially if you have an outfit. What's next, Inverted Nipplewort?

OPHIOPOGON JAPONICUM COMPACTUM PRICE 1 @ \$8.00
A treasure, this thing is tiny with dense tufts of grassy foliage only a couple inches tall and short scapes of bell shaped flowers followed by heavy crops of ornamental blue berries, (not to be confused with blueberries); its cute enough for a trough and sure to elicit comment.

OPHIOPOGON JAPONICUM 'SUPER DWARF' PRICE 1 @ \$8.00
A bewitching brooming this is half the size of compactum and twice as tight, by far the tightest dwarf Ophiopogon we have seen, ideal for under planting with bonsai or in a trough, there are no doubt myriads of other uses as well.

OPHIOPOGON JAPONICUM DWARF VARIEGATED PRICE 1 @ \$8.00
A nice dwarf variegated plant we got from Yinger a number of years ago if it ever had a name we have lost it.

OPHIOPOGON (LIRIOPE) PLANISCAPA 'SILVER DRAGON' PRICE 1 @ \$8.00
Stupendous white variegation, this came to us as an Ophiopogon however it flowered this year and is clearly a liriope. Still a knockout in combination with the black Ophiopogon. It seems to be a strong grower however its hardness has yet to be tested by a hard winter here.

OPHIOPOGON JAPONICUM 'TORAFU' PRICE 1 @ \$8.00
An unusual plant with irregular horizontal yellow banding after the fashion of Zebra Grass if it were a bit more regular it would be stunning, definitely one to save seed on.

OPHIOPOGON PLANISCAPA NIGRESCENS PRICE 1 @ \$12.00
Nearly black foliage, this has been around but remains as classy now as when it was first introduced, it is beautiful in combination with 'Silver Dragon'. It is hardy for us but takes a beating in hard winters and vanished completely at -29F.

OPHIOPOGON PLANISCAPA NIGRESCENS 'EDGE OF NIGHT' PRICE 1 @ \$15.00
As above but with a narrow white edge, pretty cool despite the soap opera name, I've seen this listed for over \$50, here's your chance to get one on the cheap.

OPUNTIA 'BURBANK SPINLES' SEEDLINGS
Or so the seed packet says, in reality they have a varying number of spines. Still it is a cute little cactus, Han's was out and suggested we weed them using a dilute solution of roundup, he claims it works. Keep your eyes open for a big listing of cold climate cactus this fall.

OPUNTIA FRAGILIS Ex Lake of the Woods Canada PRICE 1 @ \$8.00
A tiny padded form, cute enough for a trough, this originally came from one of the most northerly sites for a Cactus. Dick has grown it for many years and brought us some. We had originally planned to ship it back to a Canadian nursery however CITES in its infinite stupidity prevents us from sending it back from whence it came. (In California if you catch a Bullfrog and release it back into the pond it just came from you can be fined \$\$\$\$; Government officials should be forced to take a common sense test and shot if they fail).

ORESITROPHE RUPIFRAGA PRICE 1 @ \$12.00
One of the coolest new woodlanders to come out of China recently; Orestitrophe is a monotypic saxifrage relative with attractive foliage and panicles of white to pink 5 petaled saxifrage flowers atop 7-13cm scapes in spring as the leaves are unfurling.

ORESITROPHE RUPIFRAGA 'PINK BUD' PRICE 1 @ \$12.00
As above but with pink buds that open to white flowers, like the above it is best propagated by dividing the bulb like crown which easily splits into many tiny bulblets.

ORIGANUM

According to the RHS Index of Garden Plants, nearly every species we list is hardy to Zone 8 or 9. What a crock, who comes up with this stuff, winter in the mountains of Turkey at 2,000m doesn't sound like palm trees to me. The scary thing is most beginning gardeners and even some of the experienced ones actually take them seriously. (Want a chuckle; check out their Allium zone ratings; and people ask me why I don't include zone information.)

ORIGANUM ACUTIDENS PRICE 1 @ \$8.00
From Turkey, via Mojmir, good stuff, lime green reflexed bracts in summer, only 4-5" tall; this is one of the best.

ORIGANUM CALCARTICUM PRICE 1 @ \$8.00
A sub shrubby species from the Aegean Islands, flowers a bit like Dictamnus with the pink corollas extending well out from the bracts.

ORIGANUM DICTAMNUS PRICE 1 @ \$8.00
One of the most beautiful species, wet sensitive fuzzy foliage, whorls of hop like rose purple bracts, happier where the climate is more like Crete.

ORIGANUM DICTAMNUS X PULCHELLUM PRICE 1 @ \$8.00
Combining the beauty of Dictamnus and the large flowers and easy habit of pulchellum, this is an outstanding plant; a chance hybrid from Siskiyou, fuzzy but not too fussy.

ORIGANUM ONITES PRICE 1 @ \$8.00
A tender shrublet from the Mediterranean region, Pot Marjoram has long been cultivated for culinary purposes.

ORIGANUM SIPLEYUM PRICE 1 @ \$8.00
Bradshaw's garden, ex Sultan Dagh at 2000m, with cushions of bluish aromatic leaves and sprays of semi-pendant greenish bracts that encase the pale long tubed flowers.

ORIGANUM SP EX YINGER PRICE 1 @ \$8.00
A speckled variegated that we got from Yinger originally. I'm not sure of the species but it is not a tiny one.

ORIGANUM X SUENDERMANII PRICE 1 @ \$8.00
You know the Germans, always the best, neatly stacked and topped with rosy purple bracts, not as cute as the Head Arrowhead though, (a little sort of like Chief Yahoo but with more aggravation and nowhere near the money).

OROSTACHYS SPINOSA Ex Halda PRICE 1 @ \$6.50
Marvelous plant, these are from wild seed and we now have hundreds of different genotypes, previous cultivated material seemed to be clonal from a single introduction that seldom flowered, these do. They show a bit of variation and should produce some viable seed for a change. They roll up in a tight ball for the winter swelling and unfurling in the spring to a multi-armed starfish with next year's over-wintering ball in the center; the ultimate Hen and Chick.

OXALIS CRASSIPES 'ALBA' PRICE 1 @ \$6.50
Pure white long blooming with trifoliate leaves supposedly zone 5 hardy it sure has a bedding plant look.

OXALIS CRASSIPES 'ROSEA' PRICE 1 @ \$6.50
It sits on the bench next to crassipes 'Alba' and the two seem to have merged in my mind, except of course the flowers on this are pink, maybe the leaves are different too. I really don't care; this one is supposed to like the shade but it is sitting in dead full sun flowering like mad, I'll trade a flat of it for a few plants of Oxalis laciniata or O. bryoides.

OXALIS ENNAEPHYLLA 'SHEFFIELD SWAN' PRICE 1 @ \$19.00
A choice Peter Erskine introduction from the Falklands. (I believe Kath Dryden actually named it), Sheffield Swan was his boat that was sunk by an exocet missile, Peter has been out to the nursery and stands out as one of the best plantsmen I have ever met. Large white flowers with a green eye, it is a bit slow to increase but worth the wait.

OXALIS MAGELLANICA 'NELSON' PRICE 1 @ \$6.50
Native to the southern tip of South America where the flat mats of bronzed leaves camouflage perfectly with the ground, it helps that they are barely over 1/2" high. 'Nelson' has fully double little oxalis flowers sitting just above the cushion. It is easy enough for the open garden but almost too tiny and better appreciated in a trough in part shade; 'Nelson' will fry in too much sun.

OXALIS SP. Ex L.S.R.G. PRICE 1 @ \$6.50
For those of you who have been out to the nursery this is the species that is running around our limestone rock garden. We got it from the Czechs years ago, the name was illegible but it is pink flowered and it has been slowly creeping about ever since. Punnett admired it and when we dug his piece, we figured we might as well propagate it.

OXALIS SP. LSRG DARK VERSION EX PUNNETT PRICE 1 @ \$6.50
As above but darker.

OXALIS SP. 'CMW 4199' PRICE 1 @ \$6.50
A fleshy leaved yellow flowered species from a Watson collection in the Andes it looks a bit like O. megalorrhiza (carnosa).

OXALIS VERSICOLOR PRICE 1 @ \$6.50
A South African species for the alpine house, candy cane striped buds open to red edged white flowers.

PACHYSANDRA PROCUMBENS PRICE 1 @ \$8.00
A very heavily marbled bronze leaf form of our native deciduous species, courtesy of Punnett, a plant with immensely more charm than the overused Japanese one.

PACHYSANDRA TERMINALIS 'GREEN CARPET' PRICE 1 @ \$12.00
I must say I prefer our native species to this but if all you are after is smothering foliage in an acid shady garden than this is for you (master gardeners and landscape architects may feel spoken to). Actually 'Green Carpet' is slower and more compact than the species and when used in moderation the evergreen foliage is attractive.

PAEONIA

For years I considered peonies little more than ant covered floppy perennials with little to recommend them, however as I came to appreciate the range of wild species I began to view them in a new light. They are now one of my favorite genera, long lived in the garden, with incredibly showy flowers (which by the way do not need ants to open). The range of foliage textures in particular is far too under appreciated. Many will tolerate a bit of shade but none really thrive in deep shade. In general, they are plants of scrubby chaparral type habitats and will tolerate incredible abuse once they are established. Pests are few with only an occasional bit of botrytis which is easily dealt with, the only serious problem is root knot nematode which is seldom a problem with seed grown species material however it is all too common in cheap discount store hybrids.

PAEONIA HYB. 'ANTWERPEN' single pink lactiflora mid late PRICE 1 @ \$19.00

PAEONIA HYB. 'NYMPH' single light rose with yellow center lactiflora PRICE 1 @ \$19.00

PAEONIA HYB. 'PECHE' single white PRICE 1 @ \$19.00

PAEONIA HYB. 'SORBET' ice pink flowers with a ruff of double cream .. PRICE 1 @ \$19.00

PAEONIA ANOMOLA PRICE 1 @ \$39.00
A thread leaved species from central Asia, it is not as finely cut as tenuifolia. These are from German garden stocks and are more likely hybrids to anomola and not particularly thread leaved but still a welcome garden addition. Flowers are brilliant crimson and about 9cm across.

PAEONIA CAUCASICA PRICE 1 @ \$49.00
Usually the first paeony to bloom for us with attractive foliage and single generally pink flowers, it is one of my favorite species paeonies.

PAEONIA JAPONICUM PRICE 1 @ \$39.00
Yinger assures us these are the real thing, not obovata, which is often confused with it, single eyes, imported, flowering size or nearly so, choice and rarely available.

PAEONIA LACTIFLORA HYB PRICE 1 @ \$39.00
Mixed lactiflora hybrids these have all been single in a nice range of colors, they were open pollinated so who knows what the pollen parent is.

PAEONIA MASCULA PRICE 1 @ \$39.00
A rather widespread and variable plant that has been split into a number of subspecies, it is a naturally occurring tetraploid (related species like cambessedesii tend to be diploid) with large single rosy red flowers atop 2' bushy plants.

PAEONIA OFFICINALIS SSP. BANATICA PRICE 1 @ \$39.00
A southern European species that has been cultivated since antiquity, however the wild type single reds are rarely encountered in gardens, banatica is one of the larger subspecies, reaching 30cm in height with bowl shaped red flowers to 13cm across.

PAEONIA PEREGRINA LARGER 1 @ \$39.00
Probably the most asked for species peony in our display gardens here at the nursery, brilliant single red flowers with attractive yellow stamens.

PAEONIA SUFFRUTICOSA PRICE 1@ \$39.00
A legendary plant these are from commercial stocks and should be white with a dark central blotch but expect the occasional pure white or light pink, flowers are generally much larger than lutea and delayayi.

PAEONIA SUFFRUTICOSA SSP. ROCKII PRICE 1@ \$59.00
A legendary plant these are from commercial stocks and should be white with a dark central blotch but expect the occasional pure white or light pink, flowers are generally much larger than lutea and delayayi.

PANICUM VIRGATUM 'HEAVY METAL' PRICE 1@ \$12.00
Always heed the advice on the back of the Hitchhikers guide. How much danger can a stiffly upright metallic blue switch grass pose? That really depends on who is wielding the switch.

PANICUM VIRGATUM 'ROTSTRAHLBUSCH' PRICE 1@ \$12.00
Red sunbeam bush, it just doesn't have the same impact as heavy metal, the only shredding licks that you will get from this is if you accidentally hit it with a weed whacker.

PARDANTHOPSIS DICHOTOMA PRICE 1@ \$8.00
We finally got around to propagating a decent batch of this beautiful lrid. Exotic purplish flowers borne on branching scapes with falls larger than the standards, ivory spotted and striped maroon at the base, flecked purple in the center with the claw striped purple. They open rapidly in the late afternoon, so quickly that you can actually watch them unfurl, although they generally seem to wait until your back is turned; once pollinated the petals twist together into a cool little rope, several open each day for many weeks in mid to late summer.

PARADISEA LILIASTRUM MAJOR PRICE 1@ \$12.00
St Bruno's Lily, floats in a solid shroud over Mt. Cenis, must be seen in the mountains to be believed and grown in mass in the garden for best effect. The pure white trumpets resemble a miniature Liliium candidum.

PARONYCHIA CHIONAEA PRICE 1@ \$6.50
Piatek's collection from Ala Dag at 2200m forming close mats of silvery green foliage that clings, starfish fashion, to the contours of the rock, flowers tiny but the hyaline bracts are quite showy producing the typical display of silvery bracts, some consider this a subspecies of kepala.

PARONYCHIA KEPALA PRICE 1@ \$6.50
Curious mat former from Istria, insignificant flowers but showy silvery white bracts, it sort of grows on you. I can see it now; a deer hunter totally encased in Paronychia, hell I bet the military would pay big bucks if you could find a way to grow it hydroponically, rooted directly on a one piece cotton camo outfit, remember if you do this I can show prior art in the patent fight.

PARTHENIUM INTEGRIFOLIUM PRICE 1@ \$8.00
Commonly known as wild quinine, it is a widely used but largely unproven remedy for a variety of ills. 3-4' tall with white disc flowers .

PATRIINA GIBBOSA PRICE 1@ \$12.00
Related to Valerian with flat cymes of yellow flowers on 2' plants, it is used in japan in traditional flower arranging.

PELTANDRA VIRGINICA PRICE 1@ \$12.00
A native Bog Arum eaten by the Indians, large club-like seed heads contain a sticky glue that you could use to install kitchen counters. No kidding this stuff is contact cement, it stuck grape sized seeds to our fingers to the point we couldn't sow 'em.

PELTBOYKINIA TELLIMOIDES PRICE 1@ \$8.00
A nearly monotypic genus there are only two closely related species, tellimoides is a very rare thing confined to a few wooded mountains in Honshu, the similar P. wantanabei is found on Shikoku and Kyushu. A large-leaved woodland saxifrage, foliage is a bit reminiscent of Darmera, however it bears cymes of bell shaped yellow saxifrage flowers on 2-3' stems in early summer. It has proven to be fully hardy here with no special protection; indeed, for such a rare woodlander it is virtually indestructible.

PENNETUM ALOPECUROIDES 'LITTLE HONEY' PRICE 1@ \$8.00
A variegated sport of the well-known diminutive fountain grass 'Little Bunny', unlike its lagomorph namesake I find it rather cute.

PENSTEMON

A genus almost exclusively American, it contains some of the showiest species any gardener could wish for, and in terms of plants not seeds we have the largest selection, we think, in the world. Most are fairly easy to grow, the main problem is die-back, we have been trying to select the most resistant clones and think we have some good ones, including a few rather difficult dwarf Western species.

PENSTEMON 'HOPPLEY'S VARIEGATED' PRICE 1@ \$8.00
Tall with streaky variegation and light lavender flowers Hinkley brought it back from the UK.

PENSTEMON 'RED ROCKS' PRICE 1@ \$8.00
A very free blooming Penstemon mexacali hybrid these are from seed and should yield reddish to purple flowered plants.

PENSTEMON 'WINTER FROST' PRICE 1@ \$8.00
Gnarled shrublets with powdery glaucous foliage and large pink flowers; 'Winter Frost' is one of the most attractive hybrids we grow.

PENSTEMON ATTENUATUS 96-176 PRICE 1@ \$8.00
Ron's collections from dry rocky meadows the Entiat Mtns. at 5500'; attenuatus is much like a larger more floriferous procerus with 3-6 whorls of intense blue violet flowers in a congested 9" spike.

PENSTEMON BARBATUS PRICE 1@ \$8.00
Rosettes of leathery green basal leaves give rise to 3' spikes of scarlet red sharks head flowers these are from R.M.R.P. and our local hummingbirds love them.

PENSTEMON CARDWELLII 04 207 PRICE 1@ \$8.00
A shrubby mat former, with broad evergreen leaves these should be mostly the purple form. One of the best shrubby Penstemons, nice draped over the edge of a trough.

PENSTEMON CRANDALLII V ATRATUS PRICE 1@ \$8.00
A small mat forming version of crandellii, collected from the gravelly flats of sagebrush and Gambel Oak in the La Sal Mts E.S.E. of Moab at 8320'. It's in the caespitose section but the flowers are larger than P. caespitosus dark blue to lavender and scattered profusely over the mats, a choice trough Penstemon.

PENSTEMON CRANDALLII V GLABRESCENS Ratko 99-304PRICE 1@ \$8.00
Ratko's collections from Arroyo Aguaje de la Petaca in New Mexico at 8225' where it forms two inch woody based shrublets that spread 4-6" covered in green needle like leaves; lavender blue flowers with yellow staminodes are held up off the foliage, a fantastic plant and reasonably growable.

PENSTEMON DIGITALIS HUSKERS RED ALBAPRICE 1@ \$8.00
Attractive mounds of purple foliage give rise to tall scapes with large clusters of pink buds that open white; this is a popular border species that can serve as an alternate foodplant for Checkerspots.

PENSTEMON EATONII 'RICHFIELD'PRICE 1@ \$8.00
This is a selection from a colony of plants S.E. of Richfield UT. at 6,600' made by the Idaho Ag. Experiment station in Aberdeen, who make it sound like the best thing since sliced bread.

PENSTEMON HUMILIS VAR. HUMILISPRICE 1@ \$8.00
These are from Ron's collections on dry gravelly embankments near Boise at 7400' smaller with more condensed inflorescences than the Washington form and bearing jewel like glandular violet flowers that glitter in the sun, this it among the most distinct Penstemons we grow.

PENSTEMON IDAHOENSISPRICE 1@ \$8.00
Tufted mounds of foliage and brilliant sky blue flowers atop the 6" stems, this is a rare endemic found only in the Goose Creek watershed in Cassia County and is one of my favorite penstemons.

PENSTEMON LAETUS ROEZELLIIPRICE 1@ \$8.00
Deep blue violet flowers, very attractive, 10-16" tall it should be more widely grown.

PENSTEMON LINEARIOIDES EX CASEPRICE 1@ \$8.00
This is a favorite dwarf Penstemon, needle like intensely silvery leaves, forming tiny mats small enough for troughs. It never suffers from any dieback and seems very easy for a caespitose Penstemon, this would be a first rank plant even if it never flowered, and the flowers are lovely as well.

PENSTEMON MENSARUMPRICE 1@ \$8.00
Growing on Grand Mesa in western Colorado, hence the name, 60cm scapes bearing whorls of beautiful deep blue flowers.

PENSTEMON PINIFOLIUS 'MERCER YELLOW'PRICE 1@ \$8.00
A small shrubby species with needle like leaves on a compact plants. The low bushes are adorned with spikes of tubular yellow flowers, (normally they are crimson scarlet)

PENSTEMON PINIFOLIUS 'MAGDALINA SUNSHINE'PRICE 1@ \$8.00
An improved version of the above, more and bigger flowers, better habit, bla bla bla.

PENSTEMON PINIFOLIUS IRON MANPRICE 1@ \$6.50
Seedlings ex Alplains from this almost non stop blooming clone with vibrant tangerine flowers, hopefully they come fairly true but at worst you will get some nice plants with a good compact habit we won't know flower color until this spring.

PENSTEMON PROCERUS TOLMIEI Ratko 98-458PRICE 1@ \$8.00
Ron's collections from goat rocks of a very compact form, flowers are anywhere from yellow to violet with many bicolors in dense heads on one inch stems, Rick Lupp's Hawkeye was selected from this population.

PENSTEMON PROCUMBENS (caespitosus) 'CLAUDE BARR'PRICE 1@ \$8.00
This is generally listed as caespitosus in the trade however it is more likely a selection of procumbens, (which was once considered a subspecies of crandellii) indeed it differs little from wild type procumbens forming a creeping inch high mat that roots down.

PENSTEMON RICHARDSONII Ratko 97-228PRICE 1@ \$8.00
A compact 6-9" form of this Saccanthera species from the dry rocky creek bed of Waterworks Canyon at 1800'; the deeply dissected leaves turning a bright red in fall. It presents an exquisite and unusual combination of colors unseen in any other Penstemon, the flowers are an eerie blue violet with reflexed lobes of sky blue turning deeper blue in the inflated throat the inside of which is white with deep blue guide lines.

PENSTEMON RYDBERGII VAR OREOCHARIS 05-563PRICE 1@ \$8.00
A robust version of rydbergii from the Long Valley Caldera at 8875', well developed mats of dark green lanceolate leaves and whorls of dark blue flowers on 9-12" stems this is one of the most floriferous members of the proceri section. Rydbergii is not drought tolerant and needs considerable moisture to succeed, there are even reports of it growing in standing water.

PENSTEMON SERRULATUSPRICE 1@ \$8.00
Growing on stream banks in the cascades it is a subshrub that can reach 2' in height with dark bluish purple flowers.

PENSTEMON STRICTUSPRICE 1@ \$8.00
A great perennial from the rockies, tufts of foliage bear multiple spikes of brilliant sky blue flowers, this is one of my favorite medium sized penstemons.

PENSTEMON VIRGATUS ASA-GRAYIPRICE 1@ \$8.00
Named for the wand like (virgate) inflorescences of light bluish purple flowers growing in road cuts and meadows in Colorado and Wyoming, it can be quite showy especially if planted en masse.

PEROVSKIA ATRIPPLICIFOLIA PRICE 1@ \$8.00
4' Russian Sage semi-woody, light, & airy looking plant.

PEROVSKIA ATRIPPLICIFOLIA 'FILLAGRAN'PRICE 1@ \$8.00
A cut leaf selection with a little more delicate look.

PEROVSKIA ATRIPPLICIFOLIA 'LONGIN' PRICE 1@ \$8.00
A named form that is essentially the same as the type.

PERSICARIA MICROCEPHALA 'RED DRAGON' PRICE \$12.00
I know you are expecting Death's Head Sphinx culture and cannibalism however in this case the plant is better than the sequel, with attractive purple leaves bearing the typical chevron mark. This is supposed to be a non running form, this remains to be seen as does it's hardiness which seems to be less than impressive it is however a very trendy plant, and will make the rounds in a big way over the next couple of years.

PERSICARIA POLYMORPHA PRICE \$19.00
We crashed the PPA reception; only to be greeted by a strangely familiar woman dressed as Persicaria polymorpha, what does this mean? I have no idea; actually, she didn't look all that much like Persicaria, although after a few hours at the Blue Coyote the resemblance did improve. A bold alluring statement with masses of white flowers, Persicaria is just the thing for gardens or yuppie bars if not the Bloated Goat and is absolutely fantastic in a Sunny Border.

PETALOSTEMON CANDIDUM PRICE 1 @ \$6.50

I have retained the older name Petalostemon to avoid confusion even though it is now known as Dalea candidum, a white prairie clover that grows to 70cm or so. If you are into the prairie restoration thing, you will love it.

PETALOSTEMON PURPUREUM PRICE 1 @ \$6.50

Also known as Dalea gattereri it is one of the showiest bush clovers and a great addition to the perennial border.

PETASITES HYBRIDUS 'EX JIM BRIGGS' PRICE 1 @ \$8.00

Similar to the above, leaves may be slightly smaller but it runs very quickly, a nice Petasites that Jim Briggs brought us; much smaller than the following.

'PETASITES JAPONICUS 'VARIEGATUS'' PRICE 1 @ \$19.00

On the small side with 12-18" leaves that are boldly streaked with yellow. It is relatively slow growing and a welcome sign of spring

PETASITES JAPONICUS GIGANTEA DICK PRICE 1 @ \$19.00

Another wonder from the Punnett garden, Dick says this elicits lots of whatinthehellisthat comments in his garden. It simply has to be seen to be believed. A running plant with huge leaves 3-4 ft across and impressive flowers as the leaves are unfurling in spring. Tropical and exotic looking and impressive to say the least, when Dick put it in a wet spot, it hastened back up the hill. Most of the plants sold under this name turn out to be something much smaller, if it's offered for a ridiculously low price it's probably not it, but the Dutch form offered above.

PETASITES JAPONICUS 'PURPUREUS' PRICE 1 @ \$19.00

The purple leafed version of Petasites, this has been amazingly slow to multiply for us. We bought this back in 1999 from Heronswood and only now do we have barely enough to list. Spring foliage is a deep purple however it greens out considerably during the summer.

PETROCOPTIS PYRENAICA PRICE 1 @ \$8.00

Not to be confused Petrocallis pyrenaica this is essentially a dwarf Lychnis, easy to please and quite showy.

PETROPHYTUM CAESPITOSUM PRICE 1 @ \$12.00

One of the tiniest of Rosaceous shrubs exceeded only by Kelseya, these are from a Bradshaw collection in Johnson Co WY at 8200'. Unlike Kelseya, Petrophytum is a relatively easy to grow calciphile; forming mats 20cm across in 10 years, the silky downy foliage topped with tiny white plumes like a miniature Astilbe or Spirea. A classic plant that deserves a prime place in the garden.

PHYLARIS ARUNDINACEA VARIEGATA PRICE 1 @ \$12.00

A nice little variegated ribbon grass it runs but is not too aggressive when I googled it I got all kinds of procedures for extracting the hallucinogen DMT from it. I had no idea.

PHLOMIS CASHMIRIANA PRICE 1 @ \$8.00

Very showy in the perennial border it is native to the Western Himalaya with verticillasters of pale lilac to pink flowers skewed on 90cm stems.

PHLOMIS CRETICA PRICE 1 @ \$8.00

A small subshrub 20-40cm tall with lanate leaves and big dark yellow flowers in 1-3 condensate verticillasters, Mojmir picked it up in Crete at 1,700m.

PHLOMIS FRUTICOSA PRICE 1 @ \$8.00

Mojmir actually picked seed from something tall, all that bending must be getting to him; a meter tall strongly tomentose woody plant with yellow flowers in condensate verticillasters, these came from the Pindos Mts. in Greece at 1,300m.

PHLOMIS TUBEROSA PRICE 1 @ \$8.00

A large showy species found from Europe eastward into Russia, strange roots grow potato like tubers, flowering stems arise from a central crown and can reach 1.8m with stacked verticillasters of pinkish purple flowers with a white bearded throat.

PHLOX SPECIES AND HYBRIDS

The backbone of the summer perennial border, most of the hybrids derive from American native species, by selecting a range of cultivars the blooming season can be extended from spring until frost. Phlox are at their best in rich soil in full sun, the fragrant flowers cut well and will perfume your house for weeks. We also are listing a number of the challenging Western species They will test the skill of the finest growers, and our patience as well. Please don't call because your bryoides doesn't make a yard wide subulata mat. If there is even a few green shoots on a half dead plant you are doing better than most.

PHLOX X 'UNIQUE' PRICE 1 @ \$8.00

A nice compact growing, pink flowered phlox from Link Foster, he crossed a number of the choice western phloxes with subulata and douglasii however the parentage of many is not recorded. Nursery visitors may remember our unique polydactylus fat cat named Link, a seven toed proto-Kizinti tool user (read Ringworld) with an opposable three toed second hand and the luck of Teela, he's named for the Zelda character not Foster.

PHLOX X 'FOXY LADY' PRICE 1 @ \$8.00

Wayne Kittredge hybrid, introduced by Siskiyou, one of the most compact hybrids round magenta red flowers, I wouldn't have picked Wayne for a Hendrix fan but I anxiously await Phlox X 'Purple Haze' and Phlox X 'The Wind Cries Mary'.

PHLOX DIVARICATA 'BLUE MOON' PRICE 1 @ \$8.00

I never really got the whole blue moon thing, but Inconsistent Moon was a great short story, then again, perhaps this is a werephlox, morphing monthly into monster Meconopsis, which would certainly be inconsistent and blue in the moonlight.

PHLOX DIVARICATA 'CLOUDS OF PERFUME' PRICE 1 @ \$8.00

Fragrant ice blue flowers considerably lighter than 'May Breeze'.

PHLOX DIVARICATA 'LONDON GROVE' PRICE 1 @ \$8.00

Deep blue, fragrant flowers mildew resistant.

PHLOX DIVARICATA 'MAY BREEZE' PRICE 1 @ \$8.00

Fragrant light blue flowers selected in Holland for their strong color and starry petals.

PHLOX DIVARICATA X 'CHATTAHOOCHIE' PRICE 1 @ \$8.00

There has been some discussion as to exactly what 'Chattahoochee' is, it appears to be hybrid in origin, and like so many widely cultivated plants more than one clone is in circulation these are slightly different from the form we grew years ago, but still very nice.

PHLOX DOUGLASII 'APPLE BLOSSOM' PRICE 1 @ \$8.00

A strong grower, flowers are large well-rounded resembling Davidia bracts.

PHLOX DOUGLASII 'BEAUTY OF RONSDORFF'PRICE 1 @ \$8.00

Small cushions with dark pink flowers, this one edges more to subulata.

PHLOX KELSEYIPRICE 1 @ \$8.00

Cutting grown from a clone selected by Rick Lupp at Mt. Tahoma Unusual for its large blooms of rich blue violet, fantastic.

PHLOX MACULATA 'OMEGA' PRICE 1 @ \$12.00

Near white flowers with just a tinge of pink and a darker eye and extremely clean foliage.

PHLOX PANICULATA 'BLUE BOY' PRICE 1 @ \$12.00

The closest to a true blue paniculata Phlox, 'Blue Boy' flowers midseason on 3' stems.

PHLOX PANICULATA 'BLUE PARADISE' PRICE 1 @ \$8.00

Brigitta considers this the best blue Phlox with subtle color changes as the flowers age. Our plants in the garden have stayed remarkably clean and flower for an exceptionally long time.

PHLOX PANICULATA 'DRESDEN CHINA'PRICE 1 @ \$8.00

Shell pink with a deep pink eye, 'Dresden China' is tall, reaching 48".

PHLOX PANICULATA 'EDEN'S CRUSH'PRICE 1 @ \$8.00

Vibrant dark pink flowers with a darker eye, this is one of the best of the recent flood of new Phlox introductions. Brigitta stuck quite a few of these in our gardens.

PHLOX PANICULATA 'FLAMINGO'PRICE 1 @ \$8.00

Large heads of fragrant flamingo-pink flowers with a soft pink center atop 26" stems.

PHLOX PANICULATA 'JULIET' PRICE 1 @ \$8.00

24" pale pink. (Writer's block I was going to do a Romeo thing).

PHLOX PANICULATA 'MISS ELLIE'PRICE 1 @ \$8.00

42" bright rose flowers mildew resistant.

PHLOX PANICULATA 'MISS JILL' PRICE 1 @ \$12.00

Outstanding Phlox, large heads of creamy white flowers, each with a tiny pink eye, on compact mildew resistant plants, blooming from spring through summer. It is a magnet to sphinx and noctuid moths, we love to go out at dusk or on moonlit nights and watch them sip nectar.

PHLOX PANICULATA 'MISS JO ELLEN' (SPRING PEARL)PRICE 1 @ \$8.00

Dwarf 22" plants; fragrant white flowers with a pink blush.

PHLOX PANICULATA 'MRS. PEPPER' PRICE 1 @ \$8.00

36-48" tall, good heads of pink flowers with a darker pink eye.

PHLOX PANICULATA 'NORA LEIGH' PRICE 1 @ \$12.00

There have been a lot of variegated Phloxes introduced in recent years, most have been crappy growing, reversion prone, and not worth growing. Nora is different, these are cutting grown plants from Pauline Bany's garden thanks to Langhammer who kept it in cultivation after her death. It has spectacular broad white margins on every leaf and almost never reverts. Our clumps have been in the garden for years and just get better and better.

PHLOX PANICULATA 'RED RIDING HOOD'PRICE 1 @ \$8.00

A dwarf clone with cherry red flowers on 22" stems in July and August, it is very free flowering with average mildew resistance.

PHLOX PANICULATA 'SNOW WHITE' PRICE 1 @ \$12.00

Lovely virginal white flowers, that kinky stuff with the dwarfs never happened, although perhaps it should; P. paniculata x P. tumulosa might prove interesting.

PHLOX PANICULATA SEEDLINGS FROM OUR GARDEN PRICE 1 @ \$6.50

Mixed forms we potted from our garden, these are excellent, as good or better than any of the named forms we list,

PHLOX PATTERSONII EX MEXICO PRATHER COL. PRICE 1 @ \$12.00

We are once again offering of this rare and recently described species, it's not a tight cushion, but rather upright and leafy. I can't quite decide what to make of it but it is nice enough to keep on the propagation list.

PHLOX STOLONIFERA 'BRUCE'S WHITE' PRICE 1 @ \$8.00

Pure white flowers over mats of nearly evergreen foliage.

PHLOX STOLONIFERA 'HOME FIRES' PRICE 1 @ \$8.00

As above but with clear pink flowers.

PHLOX SUBULATA 'CANDY STRIPE'PRICE 1 @ \$8.00

Cushions are a bit open but the pink and white striped flowers are cool, I can see a fifteen hundred foot strip of it going down either side of our driveway.

PHLOX SUBULATA 'CASE'S WHITE'PRICE 1 @ \$8.00

This is from plants that Fred Case gave to Dick Punnett, a very large flowered plant with clear white flowers in great abundance. It is the best white we know of.

PHLOX SUBULATA 'CORAL EYE'PRICE 1 @ \$8.00

One of Linc Foster's classic crosses, white flowers with a blush of pink surrounding a bright coral colored eye, it ranks among the best subulata forms we have seen.

PHLOX SUBULATA 'CRIMSON BEAUTY'PRICE 1 @ \$8.00

I'm not sure crimson is an accurate description of the color but it is a beauty with purplish red flowers over compact mats of needle foliage.

PHLOX SUBULATA 'FORT HILL' PRICE 1 @ \$8.00

Deeply cut rose pink flowers the habit is a bit loose for my taste but if you are looking for a basic pink phlox this will do.

PHLOX SUBULATA 'RED WINGS' PRICE 1 @ \$8.00

Considered one of the best large growing reds the color is excellent

PHLOX SUBULATA 'SCARLET FLAME'PRICE 1 @ \$8.00

Once upon a time flames emitted phlogiston, a theory so good they even named a plant genus for it now we have dark energy and Higgs Bosons and SUSY and one of the best red flowering cushions it will form broad mats of high temperature plasma in the garden.

PHLOX SUBULATA 'WINIFRED' PRICE 1 @ \$8.00

A good full petaled pink, Anita Kistler informs me this should be Winifred not Winifred Bevington. She should know, Harold Bevington gave it to her before he died.

PHYLARIS ARUNDINACEA

A nice little variegated ribbon grass it runs but is not too aggressive when I googled it I got all kinds of procedures for extracting the hallucinogen DMT from it. I had no idea.

PHYLLOSTACHYS AUREOSULCATA 'YELLOW GROOVE'PRICE - \$19.00

The nomenclature for bamboo is all messed up. This is a big 8 meters, winter hardy species surviving -35c that will invade your entire garden and crack its way through solid concrete to enter your basement; stunning plant but very aggressive and difficult to eradicate, confine the roots in a strong container, plastic garbage cans don't work.

PHYSOCHLAENIA ORIENTALISPRICE - \$12.00

A rare solanaceous plant that we grew from Tony Reznicek's seed, this strange Mandrake relative has 2' upright stems of Mandrake-like leaves topped with Mertensia-like clusters of Mandrake flowers, essentially it looks like a caulescent Mandrake. It is native from the Caucasus through Iran and Turkey where it is often found growing in the mouths of cool caves.

PHYSOSTEGIA VIRGINIANA 'EYEFUL TOWER'PRICE 1 @ \$8.00

A very vigorous clone growing up to seven feet in height, particularly impressive on a moist rich site, flowers are the typical pink of the species, it provides a dramatic accent in a tall perennial border.

PHYSOSTEGIA VIRGINIANA VARIEGATAPRICE 1 @ \$6.50

Leaves strongly variegated, its not a running menace like the others; typical pink flowers.

PHYSOSTEGIA VIRGINIANA VIVIDPRICE 1 @ \$6.50

Sexy passion pink flowers that obediently stay in the position you put them in, bees with a copy of the Kama Sutra could have a lot of fun with this one. In terms of flowers this is the best Physostegia we grow.

PIN. TRIPARTITA 'ATROPURPUREA' X PIN. PED. 'POLLY SPOUT' PRICE 1 @ \$12.00

Pinellia 'Polly Spout' Pinellia 'Polly Spout'. Is a chance hybrid between P. Tripartita atropurpurea and P. Pedatisecta, both on the weedy side. Fortunately, Polly Spout is a sterile triploid. I assume. It does offset into a nice, fairly compact clump Polly was discovered in the old We-Du Nursery, and named after a famous spring that now forms a pond at the nursery, Polly Spout shows a slightly purple spathe (hood), with a very tall, upright spadix (jack), and tall, lush tripartite foliage. It stays in bloom most of the summer and always looks great.

PINELLIA CORDATAPRICE 1 @ \$12.00

The crème de la crème, aloof from its weedy relatives, the heart shaped leaves, often with silver marbling look more like an Asian Ginger than an Aroid. The flowers give it away however, cute little mouse tailed jacks; it does produce leaf bulbils but I can't imagine it as a weed.

PINELLIA PEDATISECTAPRICE 1 @ \$6.50

Curious little aroid like a miniature Jack in the Pulpit, with a long protruding spadix.

PINELLIA TERNATAPRICE 1 @ \$6.50

30cm to as much as 60cm tall, this one weeds around via the leaf bulbils.

PINELLIA TRIPARTATA Ex HammerPRICE 1 @ \$6.50

A Japanese woodlander, its similar to the above, and supposedly not weedy.

PLANTAGO ASIATICA VARIEGATAPRICE 1 @ \$6.50

Showy rosettes of paddle shaped leaves heavily streaked and blotched with ivory, it will mat out over time but has never been weedy for us.

PLATYCODON GRANDIFLORUM 'FUJI BLUE'PRICE 1 @ \$6.50

Essentially identical to wild type but with perhaps a bit larger flowers on tall sturdy stems.

PLATYCODON GRANDIFLORUM 'FUJI PINK'PRICE 1 @ \$6.50

Shell pink not day glow but delicate, with it's own charm, the color best in part shade.

PLATYCODON GRANDIFLORUM 'HAKONE DOUBLE BLUE'PRICE 1 @ \$6.50

Double blue starchy flowers this is one of the best of the tall cultivars and always a standout in the border.

PLATYCODON GRANDIFLORUM 'HAKONE WHITE'PRICE 1 @ \$6.50

Double white flowering Japanese strain is very unusual, indispensable in the border; its very nice combined with Komachi.

PODOPHYLLUM HEXANDRUM (EMONDI)PRICE 1 @ \$19.00

Himalayan Mayapple 4" egg shaped coral red edible fruits, pink cup shaped flowers before the brown marbled leaves are fully developed, 1-2 year plants are still fairly small but grow quickly, although they never seem to form large colonies like our native species.

POLEMONIUM REPTANS 'STAIRWAY TO HEAVEN'PRICE 1 @ \$8.00

Variegated forms of polemonium reptans show up fairly often, this selection by Bill Cullina is actually a good grower as well as having good variegation

POLIOMINTHA LONGIFLORAPRICE 1 @ \$6.50

A very showy minty thing, a bit big for the rock garden but seemingly well behaved with huge long tubed bluish flowers.

POLYGALA

A fantastic genus we have worked overtime to bring you some of the finest sub shrubby and perennial offerings, these things are very tedious from seed and cutting material always seems in short supply. If possible please list a few substitutes, these may go fast. Those new to the genus are always amazed at the first sight of Polygala chamaebuxus or Polygala calcarea in full bloom. If in doubt plant a Polygala, plant them here, plant them there, you should plant them everywhere. We are curious, is anyone growing P. darwiniana or any other Andean species? The genus has a diversity that is unbelievable, and most of the best species have not yet found their way into gardens.

POLYGALA CHAMAEBUXUSPRICE 1 @ \$12.00

This is the yellow and white flowered version of chamaebuxus it is a suckering subshrub about 6" high and spreading to a foot or more wide. Native to Western Europe on rocky mountain slopes and grassland and tolerating open woods.

POLYGALA CHAMAEBUXUS 'GRANDIFLORA'PRICE 1 @ \$15.00

A large flowered form I believe of Czech origin these came to us from Heronswood and look rather similar to 'Kamniski'.

POLYGALA CHAMAEBUXUS 'KAMNISKI'PRICE 1 @ \$12.00

A new clone from England, like a more robust Rhodoptera, with the same shocking purplish pink and yellow flowers, blooming in spring and often with a second flush of flowers in summer, its been known to throw variegation.

POLYGALA VAYREDAEPRICE 1 @ \$8.00

Near the high water mark in a genus of over 500 species, flowers similar to chamaebuxus with flaming fluorescent pink and yellow winged butterflies, shrubby narrow linear leaves, much more permanent than chamaebuxus, at least here. It deserves a special place in the garden to prominently display such a treasure.

POLYGONATUM

An important genus for the woodland garden, most of the 55 or so species are Asian, with a few North American species. They add an elegance and grace that is perfect with ferns. If garden space is tight shovel up a few old Hostas and toss them on the compost heap to make room for some Polygonatum. Some of the small species like hookeri are perfect for a woodland trough, and the climbing species are easily scrambled through understory shrubs.

POLYGONATUM HYB. 'VALERIE'S SONG'PRICE 1 @ \$19.00

A vigorous clone from Sunny Border Ohio, this probably has a bit of canaliculatum in it, 'Valerie's Song' should be very popular with the landscapers.

POLYGONATUM HYB. 'WEIHENSTEPHEN'PRICE 1 @ \$19.00

Arching stems with pendant creamy bells this is one of the larger forms.

POLYGONATUM BIFLORUMPRICE 1 @ \$12.00

Graceful arching sprays & small hanging clusters of creamy white bells in the leaf axils followed by greenish berries. Polygonatum is a much more diverse genus in Asia and we offer many of the Asian counterparts in the main perennial section, they mix well in the garden.

POLYGONATUM CANALICULATUM Ex PunnettPRICE 1 @ \$12.00

For the connoisseur, the Punnett form of a plant we list in the front wildflower section, as you would expect it is even larger and more spectacular.

POLYGONATUM CURVISTYLUM DJHC 521PRICE 1 @ \$19.00

An attractive plant in the sibericum group with whorls of leaves at each node actually the pendant flowers and translucent red fruits are also clustered at the nodes.

POLYGONATUM FALCATUM HC 970662PRICE 1 @ \$19.00

This is a wild collection of falcatum from Dan Hinkley it is a bit like odoratum and more than worthy of a place in your shade garden.

POLYGONATUM FALCATUM 'SILVER STRIPED SELECTION'PRICE 1 @ \$24.00

An outstanding Solomon's Seal from Yinger, unlike the common variegated form this has a silvery streak down the center of each leaf. Everyone who has seen our stock plants has begged for a division. Trust us, once you plant it your friends will start bugging you to dig it up and carve them off a piece.

POLYGONATUM FUSCUM DJHC0532PRICE 1 @ \$19.00

A climbing species with clusters of tubby maroon bells in the leaf axils Another of Dan Hinkley's wonderful introductions there is some confusion about the name, the flora of china now lumps this with Polygonatum cirrhifolium, see the flora of china for details.

POLYGONATUM GEMINIFLORUMPRICE 1 @ \$19.00

Native from Afghanistan to Kashmir, geminiflorum forms colonies of 30-45cm zig zag stems with pairs of green tipped white flowers in the leaf axils.

POLYGONATUM HIRTUMPRICE 1 @ \$15.00

An exceptional plant with broad leaves to 8" long on 30" arching stems, which bear axillary pendant white flowers tipped in green and followed by showy blue fruit.

POLYGONATUM HOOKERIPRICE 1 @ \$19.00

A legendary plant hookeri is the Polygonatum for troughs. Hookeri is a true alpine reaching 5000 meters in the Himalayas and Western China, the 3-5cm high stems can form mats a meter wide in the wild, but don't plan on that in your garden. Hookeri is difficult but worth any amount of effort, the huge pink flowers are unlike anything else in the genus. The AGS manual recommends alkaline soils and plenty of sun, however mine are living in slightly acid soil and 60% shade.

POLYGONATUM HUMILE Case FormPRICE 1 @ \$12.00

These dwarf little Solomon Seals are confused in cultivation, 15cm tall charmer with creamy white flowers, this formed broad patches in Fred's garden.

POLYGONATUM HUMILE Ex HeronswoodPRICE 1 @ \$12.00

An obviously different clone from Hinkley, slightly taller, with the same axillary white flowers.

POLYGONATUM KINGIANUM SSP. KINGIANUMPRICE 1 @ \$12.00

Very unusual with clusters of pendant cylindrical yellow tipped red flowers in the leaf axils, it is a scrambler with whorls of narrow leaves curled into pseudo-tendrils at their tips. Height ranges from 1-5m although ours seem to be on the small end of the scale. Has wintered over in our gardens beautifully.

POLYGONATUM KINGIANUM CLONE 1, CL 2, CL 3, CL 4PRICE 4 @ \$40.00

We have 4 different wild collections each with slightly different flower color and habit we offer all 4 as a set but not singly climbing habit cream to orange flowers.

Polygonatum Hyb. 'Weihenstephen' PRICE 1 @ \$19.00 Arching stems with pendant creamy bells this is our

POLYGONATUM LASIANTHUMPRICE 1 @ \$19.00

A two-foot Japanese species, very showy with long dangling creamy white flowers.

POLYGONATUM MULTIFLORUM 'VARIEGATUM'PRICE 1 @ \$12.00

I believe this is 2004 perennial of the year, and by all accounts, a fantastic plant but horribly intertwined with the following, which is itself confused (odoratum is European and falcatum is Japanese). All are edged variegates, please buy some of each and let us know if you manage to definitively key them out, personally I am beginning to suspect they are all hybrids.

POLYGONATUM ODORATUM (FALCATUM) VARIEGATUMPRICE 1 @ \$12.00

The variegated form of Solomon Seal, it is becoming a bit commonplace but if you don't already have a patch, its high time you got with the program.

POLYGONATUM ODORATUM FL.PL. EX HERONSWOODPRICE 1 @ \$24.00

A hose in hose double version, best viewed from below, consider planting them arching over a retaining wall so you can look up into the flowers.

POLYGONATUM OPPOSITIFOLIUM HWJCM 67PRICE 1 @ \$19.00

Ex Heronswood, a cool little woodlander with unusual dark flowers with a lighter exterior, we have become great fans of the Solomon seals and always welcome a new one.

POLYGONATUM PRATTIIPRICE 1 @ \$12.00

A demure species from Yunan often inhabiting rock crevices near Kunming, 8' stems with axillary clusters of greenish white flowers followed by translucent red highly ornamental fruits.

POLYGONATUM SIBIRICUM GROUP DJHC 600PRICE 1 @ \$19.00

Hinkley collected this in Wolong at 8500' where it was a 17 ft vine with attractive black fruit. I can't picture it ever getting that big here.

POLYGONATUM SIBIRICUM HERRONSWOODPRICE 1 @ \$19.00

Another one of Hinkley's collection this one is smaller scrambling to 5' with red fruit.

POLYGONATUM SP PINK FLOWERED EX SP #2 PRICE 1@ \$19.00
 From a Chinese wild collection these are only 6" or so tall with large pink flowers, it is one of the cutest species we grow and reasonably easy.

POLYGONATUM VERTICILLATUM PRICE 1@ \$19.00
 Polygonatum verticillatum is a somewhat bamboo like Solomon's Seal with slender leaves on two to four foot stems, arranged in whorls. The pink flowering strain seems to be from the Himalayas or China & is probably P. verticillatum rubrum with red-flushed flowers & red-pink inedible berries.

POLYGONATUM ZANLANSIANENSE PRICE 1@ \$19.00
 A tall thing with whorls of purplish flowers in the leaf axils it grows in southeastern Gansu and southwestern Shaanxi, China.

POLYGONUM BISTORTUM 'SURPURBA' PRICE 1@ \$12.00
 The showiest of all the knotweeds huge heads of pink flowers atop 75cm stems, on a moist rich site these are fantastic.

POLYGONUM 'DIMITY' PRICE 1@ \$12.00
 Mat forming with ascending 12" stems carrying spikes of pinkish red flowers, foliage bronze in winter, Himalayas.

POLYGONUM EQUISETIFORME (SCOPARIUM) PRICE 1@ \$12.00
 A strange little plant from Corsica and Sardinia, when its not in flower it could easily be mistaken for a Horsetail or Ephedra or a broom, the nearly leafless stems however bear small pinkish white flowers that are unmistakably Polygonum.

POLYGONUM VIRGINIANUM 'PAINTERS PALLETE' PRICE 1@ \$6.50
 Strongly splashed tricolor variegation these are our selections for the most strongly marked seedlings, it forms impressive patches in our shade garden and the deer and rabbits seem to leave it alone.

POLYGONUM WEYRECHII PRICE 1@ \$12.00
 A robust species from Sakhalin Island that can reach 1.5m in height; leaves are white tomentose beneath in summer it produces white flowers in dense panicles.

POTENTILLA ARGUTA PRICE 1@ \$6.50
 Attractive white flowers with a yellow center and silvery leaves

POTENTILLA AUCHERI PRICE 1@ \$6.50
 Mojmir's collections of this rarely offered species from the Ladakh Range at 4500m where it forms small mats of pinnate green leaves above which rise yellow flowers on 3-8cm scapes.

POTENTILLA HYPARTICA PRICE 1@ \$6.50
 No you are not seeing double unless you have been smoking something stronger than potentilla leaves this is yet another yellow potentilla.

POTENTILLA NEPALENSIS PRICE 1@ \$6.50
 Panicles bright crimson flowers on foot high plants, very showy and easy.

POTENTILLA NEVADENSIS PRICE 1@ \$6.50
 A tufted, silky hairy yellow flowered species, its quite attractive, far from the casinos and bomb test sites this is found in the Sierra Nevada in Spain.

POTENTILLA PAMIROALICA PRICE 1@ \$6.50
 A variable species that Mojmir found in the Pamirs of Kyrgyzstan at 3500m, compact cushions of silvery silky leaves, and golden yellow flowers on 5-15cm scapes.

POTENTILLA REPENS EX PUNNETT'S LAWN PRICE 1@ \$6.50
 Punnett brought us this years ago (dug it from his lawn) but it's been a while since we propagated it. It is a great little ground cover that thrives on neglect and is nearly indestructible and has lovely fully double flowers

POTENTILLA RUPESTRIS PRICE 1@ \$6.50
 One of the better rock garden potentillas, brilliant white flowers with a hint of pink it is found from Europe, Transcaucasia, Asia Minor to Transbaikalia

POTENTILLA THURBERI 'MONARCHS VELVET' PRICE 1@ \$6.50
 The best new Potentilla we have seen in a long time with raspberry red flowers centered in deep velvety red over mounds of attractive silvery green foliage. It is native to the southern U.S. and perfect for the front of a perennial border.

PRATIA PEDUNCULATA 'COUNTRY PARK' PRICE 1@ \$6.50
 A creeping lobelia with berry like fruits, 'Country Park' is a fragrant deep blue cultivar collected in Tasmania by Graham Hutchens, 'Country Park' is considered the best form of the species in cultivation. It is much like Laurentia fluviatialis, but with darker showier flowers.

PRIMULA

It was a miserably hot summer and we still did fairly well with many of the primulas, the ones with no heat tolerance suffered a painful death, Darwinian selection for desert life. Reidii died of course, and the petiolarids never got past the cotyledon stage. The growable ones are indispensable plants for the shade garden, blooming from spring until it gets too hot in the summer. Most species like it on the cool side, and many will re-bloom in fall when it cools off. If you have any interest at all, we urge you to get a copy of Richard's book on the genus; its wonderful. We do however have a number of exciting new plants in the auricula section to offer, allionii again fared much better than florindae and japonica. I have concluded that allionii is far easier than the literature would lead you to believe, they survive summer heat better than many species that are considered easy. I would urge you to try a few; they make beautiful trough or pan subjects.

PRIMULA ALLIONII ASSORTMENT 6@ - \$40.80 12@ - \$76.80
PRIMULA ALLIONII 'AIREMIST' PRICE 1@ \$8.00
 A Peter Lister hybrid, tight domes of small foliage covered with large pure white flowers that sit close to the cushion.
PRIMULA ALLIONII 'AIRWAVE' PRICE 1@ \$8.00
 A sister seedling to 'Airemist', from Peter Lister's cross of Primula allionii 'alba' to P. 'Blairside Yellow', virtually identical but blooming several weeks later.
PRIMULA ALLIONII ALLIONII X HIRSUTA PRICE 1@ \$8.00
 Eyed deep carmine flowers over rosettes of broad toothed leaves, a nice cross between two of the finest species

PRIMULA ALLIONII 'AMANDA GABRIELLE' PRICE 1@ \$8.00
 One of the best from Rick Lupp, named for his daughter, it is always a favorite at the Winter Sucks Party and perfect for a cool winter conservatory.

PRIMULA ALLIONII 'AUSTIN' PRICE 1@ \$8.00
 Large single cherry pink flowers similar to 'Mary Berry'.

PRIMULA ALLIONII 'BILL MARTIN' PRICE 1@ \$8.00
 A strong growing clone from Marion Jarvie, it is free flowering and multiplies rapidly.

PRIMULA ALLIONII 'BROADWELL MILKMAID' PRICE 1@ \$8.00
 A stunning plant from Joe Elliot completely obscured by a dome of overlapping milky white flowers in the spring, its not as clean a white as 'Airemist' but produces a more impressive display.

PRIMULA ALLIONII 'BROADWELL PINK' PRICE 1@ \$8.00
 Joe Elliot's hard working bees always come up with some excellent free flowering plants, here the flowers are medium sized but of a particularly radiant shade of pink and produced in great abundance.

PRIMULA ALLIONII 'CLARENCE ELLIOTT' PRICE 1@ \$8.00
 A 1982 Joe Elliot cross between P. allionii and a white form of 'Linda Pope', flowers are lavender with a white eye with broad petals and overlap to obscure the cushion if well grown.

PRIMULA ALLIONII 'CLAUDE FLIGHT' PRICE 1@ \$8.00
 A slow growing plant with spatulate leaves, Valerie Finis donated the original to Kew, flowering in late February and early March in the alpine house the slightly wavy and overlapping violet edged petals shade to a greenish white center.

PRIMULA ALLIONII 'ETHEL BARKER' ALLIONII X HIRSUTA PRICE 1@ \$8.00
 A classic plant White eyed deep carmine flowers over rosettes of broad toothed leaves; this is a heavy bloomer for us.

PRIMULA ALLIONII 'HEMSWELL BLUSH' PRICE 1@ \$8.00
 P. allionii x P. x 'Blairside yellow' a compact easy hybrid from Martin's Nest Nurseries, pink flowered with a yellow eye.

PRIMULA ALLIONII 'HIGH POINT' PRICE 1@ \$8.00
 A chance bee hybrid from Grand Ridge, deep purple flowers and toothed leaves with heavy golden farina.

PRIMULA ALLIONII 'KEN'S SEEDLING' PRICE 1@ \$8.00
 From a 1952 Ken Wooster sowing this is a sister seedling to 'Marjorie Wooster' given to Joe Elliot and escaping from Broadwell labeled K.R.W. Ken didn't really want it distributed under his name but eventually relented and let it go as Ken's seedling.

PRIMULA ALLIONII 'LISMORE JEWEL' PRICE 1@ \$8.00
 An absolutely stunning plant, intense reddish purple long tubed flowers with a prominent pure white eye and tube there is nothing subtle about it.

PRIMULA ALLIONII 'LISMORE TREASURE' PRICE 1@ \$8.00
 A spectacular plant, coming from Brian Burrow at Lismore I would expect no less, it is very compact with glowing violet purple flowers. Brian is one of the people who got me started early on sending all sorts of Dionysias and Aretian Androsaces which at that time I had little hope of growing; killing them made me a much better grower.

PRIMULA ALLIONII 'MARJORIE WOOSTER' PRICE 1@ \$8.00
 A strong growing clone with large mauve pink flowers, its one of the classic named forms. Ken Wooster produced hundreds of named hybrids; this is one of the best

PRIMULA ALLIONII 'MARS' PRICE 1@ \$8.00
 A compact hybrid with stemless reddish violet flowers, it has a long spring flowering season and often reblooms in fall.

PRIMULA ALLIONII 'MRS. PEGGY WILSON' PRICE 1@ \$8.00
 Rather glaucous rosettes and numerous bluish violet flowers easy for an allionii.

PRIMULA ALLIONII 'NEON' PRICE 1@ \$8.00
 Rick Lupp's long blooming selection, it glows purple violet, and ranks with the best.

PRIMULA ALLIONII 'PEAR DROP' PRICE 1@ \$8.00
 P. allionii x Auricula 'Old Red Dusty Miller' x P. allionii, an unusual cross with rich reddish pink flowers with a yellow eye on nice dwarf plants, definitely different.

PRIMULA ALLIONII 'PEAR DROP X OLD RED' PRICE 1@ \$8.00
 An old cross there is more than one clone going by this name, we believe this to be the original true form.

PRIMULA ALLIONII 'S-MB-947' PRICE 1@ \$8.00
 A sister seedling of Neon, luminous flowers open a dark tropical pink and age to bright pink, this thing really deserves a better name.

PRIMULA ALLIONII 'STRADBROOK LUCY' PRICE 1@ \$8.00
 There is a whole series of Stradbrook introductions I'm sure Lucy must be the best why else would we have acquired it? On the other hand, I can't remember what it looks like.

PRIMULA ALLIONII 'WARFEDALE BUTTERFLY' PRICE 1@ \$8.00
 With the crystalline diaphanous look Primula allionii is so famous for, the pinkish flowers morph to white in the center.

PRIMULA ALLIONII 'WARFEDALE GEM' PRICE 1@ \$8.00
 Large pinkish purple flowers with a starry white eye on 2" scapes, above rosettes of light green leaves.

PRIMULA ALLIONII 'WARFEDALE VILLAGE' PRICE 1@ \$8.00
 Large marginata like leaves with white farina studded teeth that frame a central mound of light pink flowers with a prominent white farina eye.

PRIMULA ALLIONII X HARLOW CAR 'PINK ICE' PRICE 1@ \$8.00
 Allionii crossed to Harlow Car, which is itself one of the best pubescens hybrids in existence. It makes an outstanding pan plant that is nearly hidden by the multitudes of creamy white flowers with a subtle pink overlay, its outstanding.

PRIMULA ALLIONII X LINDA POPE ALBA PRICE 1@ \$8.00
 Another winner from Joe Elliot, large clear pink flowers with a white eye freely produced over compact mounds of foliage.

PRIMULA AURICULA ASSORTMENT 6@ - \$40.80 12@ - \$76.80
 Primula allionii assortment - 6 allionii species and hybrids perfect for troughs or a special place in the rock garden, we find these surprisingly easy but suggest you divide them every few years. The crystalline translucent flowers are amazing and huge compared to the size of the plant. All Primula Collections also receive FREE SHIPPING!
 If 6 is not enough we also offer a dozen all different and named, if you have a cool greenhouse they will bloom in late winter, outside in early spring. All Primula Collections also receive FREE SHIPPING!

PRIMULA AURICULA 'BROWNIE' PRICE 1 @ \$8.00
Fully double with lots of chewy fudge goodness and a hint of proto-Girl Scout, brownie is delectable.

PRIMULA AURICULA 'CAMELOT' PRICE 1 @ \$8.00
An old variety with fully double deep velvety purple rosebud flowers.

PRIMULA AURICULA 'DOUBLET' PRICE 1 @ \$8.00
Fragrant fully double rich purple blooms, like all the double auricula clones 'Doublet, is best in a cool greenhouse where the flowers can be admired up close.

PRIMULA AURICULA 'EMILY P' PRICE 1 @ \$8.00
A new double auricula from Dan Peterson yellow buds open to creamy greenish yellow flowers tipped with pink, which fade to pinkish cream.

PRIMULA AURICULA 'PARAKEET' PRICE 1 @ \$8.00
An unusual green quite different from the classic form, the stiff thick textured flowers feature a large yellow center surrounded by a green edge, largely lacking in farina.

PRIMULA AURICULA ALPINA 'GORDON DOUGLAS' PRICE 1 @ \$8.00
Deep violet blue petals shade to soft blue around the creamy white central ring; the Douglas name is legendary in the world of show auriculas.

PRIMULA AURICULA ALPINA 'GRETA' PRICE 1 @ \$8.00
A fancy red show plant with the much sought after gray paste edge, alpine house and avoid overhead watering or the color will run.

PRIMULA AURICULA ALPINA 'SERENITY' PRICE 1 @ \$8.00
One of the best green edged show auriculas from the late Jack Ball, it is light green with a black edged white eye; Dick hates these green and grey edged plants however he is definitely in the minority.

PRIMULA AURICULA ALPINA 'SHALFORD' PRICE 1 @ \$8.00
Fully double royal purple flowers, usually multi-petaled but occasionally hose in hose, I find it rather slow to increase.

PRIMULA 'BEAMISH OF HORT' PRICE 1 @ \$8.00
Marion Jarvie brought us this, which I think is supposed to be a marginata hybrid, whatever it is it's beautiful.

PRIMULA DAOENSIS PRICE 1 @ \$8.00
A rarely available auricula from the eastern Alps where it grows in stony pastures between 1500m and 3000m, white-throated reddish lilac flowers.

PRIMULA HIRSUTA PRICE 1 @ \$8.00
Also known as viscosa this European Auricula is generally a calcifuge preferring wet stony areas in the Alps and Pyrenees.

PRIMULA JULIAE HYB JEANNE RENSHAW PRICE 1 @ \$8.00
A true juliae type tiny creeping mats of foliage Cheri Fluck sent us this years ago, we finally made enough to list.

PRIMULA JULIAE OLD CLONE FROM JUNEAU PRICE 1 @ \$8.00
Another from Cheri Fluck this is basically pure wild type Juliae and not at all like the Wanda and Bergfruhling types.

PRIMULA KISOANA PRICE 1 @ \$8.00
One of my favorite primulas, it is a woodland creeper forming loos mats in the shade garden if happy. I finally have a place it likes and is starting to colonize. This belongs in every shade garden.

PRIMULA MARGINATA 'HOLDEN CLOUGH X P. ALLIONI' PRICE 1 @ \$8.00
One of the best marginata hybrids, I'm surprised that breeders do not use marginata more frequently. It has fantastic foliage and crosses rather easily with other plants in the auricula section.

PRIMULA MARGINATA 'KESSELRING'S VARIETY' PRICE 1 @ \$8.00
One of the prettiest members of the auricula section; plant it high in the rockwork and "in time it will form a sheet, the trunks are fibrous and woody, haunted by golden meal among the fibrosities of their coat, the rosettes built of handsome leathern foliage, thick and gray, picturesquely toothed, and with the ample tooting outlined, especially when the leaves are young with the thick golden meal in a conspicuous hem... flowers are of a beauty unbelievable, wide open saucers of the loveliest lavender blue, with infinitesimal atoms of white powder hovering densely on their eye". That was the species, 'Kesseling's' is even nicer.

PRIMULA MARGINATA 'LINDA POPE' PRICE 1 @ \$8.00
The best known of all the marginata hybrids with jagged silvery farina leaves and deep mauve blue flowers.

PRIMULA MARGINATA 'NAPOLEON' PRICE 1 @ \$8.00
Deeply serrated and heavily coated with farina, this is one of the best forms, flowers are lavender blue.

PRIMULA MARGINATA RUBRA PRICE 1 @ \$8.00
It's not really red but about as close as marginata gets.

PRIMULA MINIMA #2 PRICE 1 @ \$8.00
Mojmir's collections from the Bucegi Mtns in Romania at 2300m minima is the smallest member of the auricula section it can form yard wide mats in the wild, the pink flowers nearly as large as the rosettes, in cultivation it tends to be finicky, I can't imagine a yard wide patch, I'd be happy if it would fill a pot.

PRIMULA SAXATILIS PRICE 1 @ \$8.00
These may actually be the true species; they are different from our cortusoides; from Scottish sources, at worst a wonderful form of cortusoides.

PRIMULA SIEBOLDII PRICE 1 @ \$8.00
An elegant member of the cortusoides group from Japan and the surrounding mainland, sieboldii is hardy, and one of the best in its section, lovely in a woodland setting. The Japanese have developed a wonderful range of color forms. They will self-sow, and a woods naturalized with them is a remarkable sight; our plants are from Jim Briggs.

PRIMULA SIEBOLDII 'COVER GIRL' PRICE 1 @ \$8.00
Large white flowers with a lilac reverse, a very showy sieboldii clone that always seems to seal out with us.

PRIMULA SIEBOLDII 'ISOTAKA' PRICE 1 @ \$8.00
A select form with fimbriated white flowers backed in pink and delicately edged with pink, it has the classic sieboldii look.

PRIMULA VERIS 'SUNSET SHADES' PRICE 1 @ \$8.00
Although colors other than yellow are rare in the wild a few have been found giving rise to a color mix of red, orange and yellow; P. sonchifolia and P. reidii may be cooler, but these are a hell of a lot easier to grow.

PRIMULA VULGARIS ACAULIS 'QUAKER BONNET'PRICE 1 @ \$8.00
Fully double pale lilac flowers, a classic double, supplies limited.

PRIMULA VULGARIS ACAULIS 'SUNSHINE SUSIE'PRICE 1 @ \$8.00
Double lemon yellow flowers, quantities limited, my opinion of the doubles wavers between spectacular and abominations.

PRIMULA X 'BELLUENSIS'PRICE 1 @ \$8.00
This came to us from Marion Jarvie; I have little to tell except the plants resemble Primula x Pubescens 'Freedom' with heads of deep lilac flowers.

PRIMULA X JULIANA 'LITTLE GEM'PRICE 1 @ \$8.00
A smaller plant with purplish rose flowers, I am not greatly impressed although others seem to find it attractive enough.

PRIMULA X JULIANA 'ALLURE'PRICE 1 @ \$8.00
We got this from Rick Lupp (P. juliae x P. 'Garryard Guinevere'), it has been a vigorous grower.

PRIMULA X LOISELEURE 'LISMORE YELLOW'PRICE 1 @ \$8.00
Brian Burrows (which reminds me I need to send him a copy of the "Taming of the Shrew") cross of a white form of allionii to an auricula seedling, masses of soft yellow flowers, it is an exciting color break in the allionii types with a well deserved reputation for excellence.

PRIMULA X PUBESCENS 'CHRISTINE'PRICE 1 @ \$8.00
This was a gift from Marion Jarvie, and has proven to be an excellent grower for us; it roots well from cuttings and does not seem prone to melt.

PRIMULA X PUBESCENS 'JOAN GIBLEY'PRICE 1 @ \$8.00
Purple flowers, this came from Marion Jarvie, don't bother trying to Google it.

PRIMULA X PUBESCENS GIGANTEA SELECTPRICE 1 @ \$8.00
Perhaps the best Primula for Midwestern gardens, they laugh at summer heat, flowers are huge in a wide range of colors very Victorian looking with subtle shadings. If you have never grown auriculas give these a try, you will not be disappointed.

PRUNELLA GRANDIFLORA 'FREELANDER MIX'PRICE 1 @ \$8.00
A vast improvement over older strains with a wide range of colors larger flowers and a very long season of bloom.

PTILOTRICHUM SPINOSUM ROSEUMPRICE 1 @ \$8.00
A contorted dwarf shrublet, pink flowered, and despite their relative ease of culture, they are first-rate alpine plants that belong in every collection.

PULMONARIA LONGIFOLIA SSP. CEVENNENSIS PRICE 1 @ \$12.00
From the Cevennes region of France with elegant spotted narrow foliage that is quite mildew resistant and good blue flowers that are large for a longifolia type.

PULMONARIA MOLLIS PRICE 1 @ \$12.00
Big soft green un-speckled leaves, these look more like a Symphytum than a Pulmonaria, typical bluish borage flowers, a bit coarse but unique and bold looking

PULMONARIA OFFICINALIS 'WHITE WINGS'PRICE 1 @ \$12.00
Basically an improved version of sissinghurst white with good mottled foliage and larger white flowers.

PULMONARIA RUBRA 'RASPBERRY ICE'PRICE 1 @ \$15.00
Long frosted mint leaves edged with white, it is one of the best variegated Pulmonarias, with raspberry pink flowers topping it off. It seems to be a better grower than David Ward.

PULSATILLA

After trying to research the descriptions for the various species we list, we have come to the following conclusions: 1. The taxonomy is screwed up beyond belief. 2. There are only two species, the dayglow orange one that has yet to be discovered and the other one listed below. Perhaps that's a bit harsh, most of the species we offer are quite distinct, the problem has more to do with the nature of botany. Like many European plants, they have a long history in cultivation and have been described in several languages, which tends to confuse the literature. You can call them Anemones if you prefer just make sure and grow a good selection they are indispensable plants in the spring garden.

PULSATILLA ALBANA LUTEAPRICE 1 @ 8.00
Mojmir's collections from alpine meadows at 2200m in the western Caucasus, mostly shades of yellow from this site.

PULSATILLA BUNGEANA SSP TENUIFOLIAPRICE 1 @ 8.00
A tufted plant 5-10cm tall with deeply dissected leaves and pale rose purple flowers collected by Mojmir from the stony hills around Changai Mongolia at 2500m.

PULSATILLA MONTANA (NIGRICANS)PRICE 1 @ 8.00
From Central and Eastern Europe, flowers are generally pendant and deep bluish violet; perianth segments twice the length of the stamens.

PULSATILLA VULGARIS Ex LSRGPRICE 1 @ \$6.50
A mix of vulgaris from types we have collected over the years; easy, some even re-bloom later in the season, these are from Ender's seed collections and sowing and he expects some sort of profit sharing. ("Limestone Rock Garden)

PULSATILLA VULGARIS 'PAPAGINO'PRICE 1 @ \$6.50
Fringed cut petals, some semi-double, color range is from red through blues to white from European sources, these could be nice we haven't seen flowers yet however we expect a high percentage of good fringed forms.

PUTORIA CALABRICAPRICE 1 @ \$8.00
Mat forming evergreen in general suggesting Daphne cneorum, with long-tubed Asperula-like pink flowers, followed by red or black glossy berries. A very decorative but curiously neglected species from the Mediterranean region.

RABDOSIA LONGITUBAPRICE 1 @ \$15.00
A great new plant from the shaded mountainsides of Shikoku and Kyushu, this late blooming gem features open panicles with hundreds of long tubular purplish blue flowers. Rabdosia is related to Plectranthus and was formerly placed there by some authorities. All in all a remarkable plant, it is particularly nice combined with Tricyrtis, Aconitum wilsonii and Cyclamen hederifolium.

RABIEA ALBIPUNCTATA BETHULIAEPRICE 1 @ \$8.00
We selected this from a batch of Mesa Garden's seedlings; fat fleshy leaves yellow flowers it is supposed to be a hardy form.

RANUNCULUS FICARIA 'BRAMBLING' PRICE 1 @ \$6.50
Single bright yellow shining flowers wink with a green ovarian eye lashed with golden pistillate lashes from a stunning rosette of dark foliage with an irregularly blotched silver picotee edge.

RANUNCULUS FICARIA 'BRAZEN HUSSY' PRICE 1 @ \$6.50
A wonderful selection from Christopher Lloyd with black purple foliage and starry golden flowers, Brigitta has been building quite a collection of ficaria forms and one of these years we will offer all of them, despite their reputation for being rampant colonizers the double forms have been quite slow here.

RANUNCULUS FICARIA 'COFFEE CREAM' PRICE 1 @ \$6.50
One of the slower clones we grow we finally got enough to list after 6 years of dividing, flower color is a given.

RANUNCULUS FICARIA 'COLLARETTE' PRICE 1 @ \$6.50
Fully double buttercup flowers often with a green eye in the center, surround by a ring of bright yellow single petals, this is one of the most striking ficaria clones we grow with attractive rosettes of heavily marked deep green leaves.

RANUNCULUS FICARIA 'DAMERHAM' PRICE 1 @ \$6.50
Slightly mottled foliage topped by large fully double bright yellow green centered flowers, this has been very free blooming for us.

RANUNCULUS FICARIA 'DOUBLE MUD' PRICE 1 @ \$6.50
An odd looking plant and slow for a ficaria, we have been hoarding this for years trying to get enough to list, it is just the thing to cheer up your moping mudskippers.

RANUNCULUS FICARIA 'DUSKY MAIDEN' PRICE 1 @ \$6.50
A great plant excellent both in flower and leaf, the deep green foliage features a dark central blotch surrounded by a ring of silvery splotches, the outer edge is solid green, it contrasts well with cyclamens.

RANUNCULUS FICARIA FL.PL PRICE 1 @ \$6.50
A double form from Punnett, its much more restrained than the single form. Brigitta has become very enamored with the ficaria clones of late; look for a huge future listing.

RANUNCULUS FICARIA 'FRIED EGG' PRICE 1 @ \$6.50
What to do with unwanted fertilized eggs? You can't use them for stem cell research and it seems a waste to flush them, we have a solution that is sure to get Bill O'Rielly worked up. Lets fry them.

RANUNCULUS FICARIA 'GREEN PETAL' PRICE 1 @ \$6.50
Mid green foliage lightly blotched with silver

RANUNCULUS FICARIA 'GREENCOURT GOLD' PRICE 1 @ \$6.50
Foliage is similar to Ranunculus ficaria 'Green Petal'

RANUNCULUS FICARIA 'RANDALL'S WHITE' PRICE 1 @ \$6.50
A single form with near white glossy petals surrounding a central boss of yellow stamens over mid green rosettes of splotched leaves.

RANUNCULUS FICARIA 'YAFFLE' PRICE 1 @ \$6.50
Yiddish for waffle? an old Barbara Striestand movie? I don't have a clue what this was named for.

RANUNCULUS GRAMINEUS PRICE 1 @ \$8.00
Easy species with tufts of grass like leaves and 1" lemon yellow flowers; it goes summer dormant then reappears in fall.

RANUNCULUS REPENS 'BUTTERED POPCORN' PRICE 1 @ \$6.50
A cool new variegated plant, serrated leaves with a silvery golden center; this will make a fairly quick ground cover, but is nowhere near as invasive as the straight species.

RAOULIA AUSTRALIS PRICE 1 @ \$6.50
Beautiful silvery gray vegetable sheep from New Zealand this species forms ground hugging cushions of intensely silver tiny leaves. I find it relatively easy in pots and troughs but kill it quickly every time I plant it out, customers who live nearby report yard wide mats, I wish I could figure out what it wants in the garden. "Been there killed lots and lots of that".

REHMANNIA ELATA PRICE 1 @ \$6.50
Named for the Russian botanist Joseph Rehmann, Rehmanna has been classified both a Scroph and a Gesneriad and the debate is still not settled. R. elata bears large pink bells with yellow spotted throats, unlike Rehmanna glutinosa this is tender here and need to be wintered in the greenhouse, however it blooms for months and is worth the hassle to drag it in.

RHODODENDRONS - **SEE SHRUB LISTING**

RHODIOLA SP 03 CH 165 PRICE 1 @ \$6.50
Hans from Shady Oaks collected these from China in 2003, cute little sedum like plants if they flower this spring I will try to get an id.

RODGERSIA

Wonderful bold foliage effects for shade gardens or pondsides, our current crop is the best we have had to date. If you make it out to the nursery, it could take all day to pick the perfect plant from the thousands of different clones we have available, or order and let us choose you won't be disappointed.

RODGERSIA AESCULIFOLIA PRICE 1 @ \$12.00
After growing Rodgersias for a number of years, I've come to the conclusion that none of the pure species exist in cultivation. Even if the plants look right like these, with Horse Chestnut foliage and so forth they are probably hybrids, which is actually good from a garden standpoint, being more amenable to cultivation with a bit of hybrid vigor and all.

RODGERSIA HENRICI HYBRIDS PRICE 1 @ \$12.00
Much like pinnata but taller, with dark red seed capsules and a darker general aspect. Be sure to allow plenty of space for all Rodgersias, since they grow slowly but eventually reach an impressive size. These are my favorite discounting the fact that Astilboides has been removed from the genus, but it is after all in a class by itself.

RODGERSIA PINNATA PRICE 1 @ \$12.00
The parent of many of the garden hybrids and a fine plant in its own right, a Chinese species usually with pink flowers.

RODGERSIA SAMBUCIFOLIA PRICE 1 @ \$12.00
Elder like leaves and white flowers in plumes like a large Astilbe, this is a seldom seen species it looks great with other vigorous shade lovers.

ROSCEOA CAUTLEOIDES (YUNANENSIS RED FLOWERED) PRICE 1 @ \$24.00
These came to us as a red form of Roscoea yunanensis, they are neither red nor yunanensis. They appear to be a large flowered form of Roscoea cautleoides. This is an exceptional clone that is very free blooming and a good multiplier. I'm still looking for Roscoea 'Red Gurkha', (let us know if you grow it) but not unhappy with this serendipitous form. Don't miss this first release of wild collected genetic material.

ROSMARINUS 'IRENE' PRICE 1 @ \$12.00
A trailing cascading variety, hardy for us with protection. A trifle over hyped but outstanding.

ROSMARINUS 'SALEM' PRICE 1 @ \$12.00
Also winter hardy, this makes neat upright plants, my favorite Rosemary.

ROSMARINUS OFFICIANALIS 'SILVER SPIRE' PRICE 1 @ \$12.00
Outstanding variegated rosemary, stiffly upright, it looks fantastic and has great flavor as well, hardiness is likely to be shaky here although I have not tried it outside.

ROSULARIA LIBONOTICA (pestalozzae v. glaberrimus) PRICE 1 @ \$6.50
Holubec's 1997 collections from the limestones of Ala Dag at 1800m. A variable species the form we grow has mid sized glaucous gray rosettes, quite distinctive; I consider it the best of the bunch.

ROSULARIA MURATDAGENSIS PRICE 1 @ \$6.50
Cultivated material from Murat Dag in Turkey courtesy of R.M.R.P.; it's a recently described species that has circulated under the name R. Platyphylla.

ROSULARIA SEMPERVIVUM PRICE 1 @ \$6.50
Rosette forming plant a bit reminiscent of a hen and chick, with bright pink flowers in early summer; for those with better taste.

ROSULARIA SEMPERVIVUM BIG RED EX DBG PRICE 1 @ \$6.50
Denver Botanic Gardens selection notable for its good red flowers, a Rosette forming plant a bit reminiscent of a hen and chick, with good red flowers in early summer; for those with better taste.

ROSULARIA SEMPERVIVUM VAR GLAUCOPHYLLUM PRICE 1 @ \$6.50
A creamy flowered form with glaucous blue green leaves, it hardly looks like the same species, Ex RMRP #1526.

RUBBECKIA FULGIDA V. SULLIVANTII 'GOLDSTURM' PRICE 1 @ \$8.00
Free blooming Black Eyed Susan, a classic that needs no description.

RUBBECKIA LACINATA 'GOLDQUELLE' PRICE 1 @ \$8.00
Fully double somewhat shaggy flowers, 'Goldquelle' is very long blooming. It's not your typical Black Eyed Susan, but more of a Susan with her eyeballs plucked out.

RUBBECKIA MAXIMA PRICE 1 @ \$8.00
Dan Crow turned us on to this one, the huge rounded glaucous blue leaves are very un-Rubbeckia-like, reaching 6'; flowers have tall central cone and are of course yellow. A stunning landscape plant if used properly, Dan has the magic touch.

RUBBECKIA MOHRII PRICE 1 @ \$8.00
A rare Southeastern species that Dick bought us from Woodlanders years ago. We finally propagated enough to offer, it is quite distinct and might produce some interesting hybrids.

RUBBECKIA TRILOBA PRICE 1 @ \$8.00
Finally a use for all the surplus daisy cutters left over from the Mother of all Battles II, they will come in handy if this gets out of control, and make no mistake once this thing is entrenched it is not likely to pack up and flee for its life.

RUELLIA CAROLINENSIS PRICE 1 @ \$8.00
Yet another of the many S. African Mesemb, large long tubed lavender funnels arise from the leaf axils, I'm surprised that no one has produced tetraploid forms of this.

RUELLIA HUMILIS PRICE 1 @ \$8.00
Acanthaceae, 2" violet blue Petunia like flowers in the upper leaf axils native to the Eastern States but far to seldom seen in gardens.

RUSCHIA CF. HOMATA DBG #189 PRICE 1 @ \$8.00
Shrubby Mesemb; somewhat sprawling, small pink flowers, hardy in Denver.

RUSCHIA INDURATA PRICE 1 @ \$8.00
Help, I'm suffering from Mesemb burnout, here is yet one more little pink flowered succulent thing.

RUSCHIA PULVINARIS PRICE 1 @ \$8.00
Yet another of the many S. African Mesemb, that have been making the rounds in rock garden circles lately; "outstanding and hardy" according to Mesa Gardens.

RUSCHIA PUTTERELLI PRICE 1 @ \$8.00
Woody shrub 6"x 12" grayish succulent leaves hot pink flowers all summer.

SALVIA CAESPITOSA PRICE 1 @ \$8.00
These are from Mojmir's collections at 1800m on Ala Dag, woody based plants with gray green hairy leaves, and 2-8 large flowers on 5-10cm stems (it needs to be grown lean to stay compact) color ranges from near white to pink to violet in this colony.

SALVIA DISERMAS PRICE 1 @ \$8.00
Flowers and foliage are a bit like officianalis but the fragrance is much different. Pleasant but not something that goes with poultry disermas is from a cold region in the Karoo desert and surprisingly tough.

SALVIA 'CHERRY QUEEN' PRICE 1 @ \$8.00
Bright red flowers all summer long, it's great as a tub plant and I have heard reports of it wintering outside at least in mild winters.

SALVIA GUARANITICA 'OMAHA GOLD' PRICE 1 @ \$12.00
A variegated form with green centered leaves it is a huge sprawling thing reaching 7' in height with purple flowers, if pinched heavily early in the season it makes a great tub plant for decks and patios.

SALVIA INVOLUCRATA PRICE 1 @ \$12.00
A shrubby Mexican species, reaching 1.5m in height and flowering late in the summer into fall, to the delight of our local hummingbirds, the fat pointed buds are enclosed by showy pink bracts, true flowers are tubular purplish pink, covered with velvety hairs and up to 4 cm in length.

SALVIA X JAMISENSIS PRICE 1 @ \$8.00
A late blooming Salvia with creamy yellow or occasionally light pink broad lipped flowers.

SALVIA JURISICII PRICE 1 @ \$8.00
A Macedonian species with pinnatifid leaves, flowers are violet flowers on 12-18" bushy plants.

SALVIA LEUCOPHYLLA PRICE 1 @ \$8.00
Ratko collections from 3,150'; dry open grassy areas above the headwaters of Figueroa Creek, in warm climates this will form a 3'x5' fuzzy leaved, woody based evergreen sub shrubs. Short scapes with whorls of large rose pink flowers marked with violet, very showy, in colder areas it may persist as a dieback, here it needs a greenhouse.

SALVIA LYRATA 'PURPLE KNOCKOUT' PRICE 1 @ \$8.00
Flat rosettes of luscious purple, a wintergreen perennial native to open woods and sandy clearings in the Southeast, the spikes of flowers are attractive enough.

SALVIA MICROPHYLLA VARIEGATA PRICE 1 @ \$8.00
Bright cherry red flowers much loved by hummingbirds and produced all summer long, plants form neat bushlets, their tiny oval leaves neatly edged in white. Like all the good red salvias, it's hardy only in El Nino years here.

SALVIA NEMOROSA 'BLAUKONIGAN' PRICE 1 @ \$8.00
The nemorosa are staples of the perennial border, blooming for many months. 'Blue Queen' is compact and free blooming with bluish violet flowers. All of the plants we list as nemorosa may actually be the x superba hybrid.

SALVIA NEMOROSA ROSENWEIN PRICE 1 @ \$8.00
Brilliant pink flowers from bright red buds this is still one of the best forms.

SALVIA NEMOROSA SSP TESQUICOLA. PRICE 1 @ \$8.00
Commonly known as Testicle Cola, 2 foot tall with brilliant violet spikes and please no more bitch letters complaining that the catalog lacks common names.

SALVIA PRATENSIS 'MEADOW BALLE BLEND' PRICE 1 @ \$8.00
Native to most of Europe pratensis is outstanding these are a mix of blue violet pink and white flowered forms, very free blooming they rebloom well if deadheaded.

SALVIA REGALIANA PRICE 1 @ \$8.00
Spikes of bluish purple flowers it is quite showy and a bit obscure in terms of origins

SALVIA OFFICINALIS TRICOLOR PRICE 1 @ \$8.00
Equally at home in Thanksgiving turkey or a patio pot the attractive pink and white variegated foliage is great for cooking or a dry herb garden.

SANGUISORBA MENZIESII PRICE 1 @ \$8.00
A showy species ranging from Washington up to Alaska these are from an Alpains collection, Google it if you need to see pictures.

SANGUISORBA OFFICINALIS 'TANNA' PRICE 1 @ \$8.00
A dwarf form of Great Burnet, the compact 10" mounds of foliage are topped by myriads of burgundy heads on short stems, thanks to Dan for making it available to American gardeners.

SANTOLINA CHAMAECYPARISSUS 'FOXDEN' PRICE 1 @ \$6.50
A compact form that is a bit like small ness, it has been a good grower for us and deserves a wider exposure.

SANTOLINA 'SMALL NESS' PRICE 1 @ \$6.50
Santolina is not a genus that pops up in discussions about choice rock plants, at least until now, ness is a charmer, forming condensed shrublets of fuzzy gray aromatic foliage, it seems to never flower, delightful in a trough.

SAPONARIA CAESPITOSA PRICE 1 @ \$6.50
Tight mounds of awl shaped leaves, looks like a robust Silene acaulis, pink flowers on short stems, a favorite of mine.

SAPONARIA LUTEA PRICE 1 @ \$6.50
Yellow is a rare color in Saponaria, and this is a fairly nice alpine species, it would seem to have a lot of potential for plant breeding, a good yellow ocymoides or pulvinaris would be most welcome.

SAPONARIA OCYMOIDES 'SNOWTIP' PRICE 1 @ \$6.50
A white flowered ocymoides, snowtip is an exciting new clone forming large mats smothered in white flowers, outstanding in large rock gardens trailing over low wall.

SAPONARIA OFFICINALIS PRICE 1 @ \$6.50
Bouncing Bet, I'm guessing Bet jiggled a bit when she ran, if that image doesn't entrance you then try watching the sphinx moths that flock to this in the evening. No serious moth and butterfly collector should be without this.

SAPONARIA SP. EX. PYRENEES JURASEK PRICE 1 @ \$6.50
These should bloom this year then we will know for sure what they are probably caespitosa or something similar.

SAPONARIA X BOISERI PRICE 1 @ \$6.50
An excellent plant resulting from the cross of Saponaria caespitosa and Saponaria ocymoides it retains the compact habit of caespitosa and combines it with the abundant large flowers of S. ocymoides

SAPONARIA X OLIVIANA PRICE 1 @ \$6.50
Excellent large flowered garden hybrid between caespitosa and pumilio, cutting grown, one of the best Saponarias.

SAPONARIA X WEIMANII PRICE 1 @ \$6.50
One of those mysterious plants that seem to appear on the greenhouse benches from time to time, it looked great so Dick whacked a bunch. If anyone knows the grex and history, drop me a note.

SARUMA HENRYI PRICE 1 @ \$19.00
A rare Asian Asarum relative it is unique, with felted leaves on upright stems and a long succession of light yellow flowers. Strangely most of the recent shade gardening books seem to have ignored it.

SATUREJA MONTANA PRICE 1 @ \$6.50
Winter Savory, decorative aromatic foliage on neat little dwarf bushes, long grown as a culinary herb as well as for its attractive pale violet flowers.

SATUREJA SPICIGERA PRICE 1 @ \$6.50
A strongly aromatic densely tufted plant with compact racemes of showy blue flowers, native to the limestones of the central Caucasus where Mojmir found it at 2000m.

SATUREJA SPINOSA 'THORNY HORN BEAST' PRICE 1 @ \$6.50
Dick and Brigitta selected the tightest most compact clone. We were going to call it 'Plum Pudding' but that name was already taken.

SAURURUS CERNUUS PRICE 1 @ \$8.00
Our native Lizard's Tail is one of only two members of the Saururaceae, the other Asian counterpart being listed in the perennial section, this moisture loving perennial can reach 1.25m in height topped by 30cm long inflorescences that taper like a fragrant white lizards tail. If you don't already grow it, buy some and get them planted immediately, don't tempt fate and piss off the lizard god, his wrath should be avoided at all costs, he's already licking his eyeballs at the prospect of new victims.

SAURURUS CHINENSIS PRICE 1 @ \$12.00
The Asian counterpart of our native Lizard's Tail with spikes of ivory flowers, collecting Asian versions of American natives has become popular of late, (collectors often hold meetings and chant 'Reunite Gondwanaland' while shooting into the air with AK-47's). However, I digress, taxonomically the two are separated by the position of the anthers in chinensis they are held below the stigmas, in cernuus they are held above.

SAXIFRAGA

You will notice a dearth of saxes this year, most of them took a beating this summer and we decided to pull most everything and start over with new cuttings, also we have pretty well saturated the market, if you didn't get any in the last few years you are S.O.L.

SAXIFRAGA COCHLEARIS MINOR PRICE 1 @ \$8.00
A tiny little silver Sax with cushions of miniscule close packed lime encrusted rosettes, beautiful clinging to a lump of tufa and much easier than most Kabs.

SAXIFRAGA CUNIIFOLIA PRICE 1 @ \$8.00
One of only four species in the Section Gymnospora, cuneata like the larger London Pride is an attractive carpeter for a shady rock garden; flowers are white with purple spots on 15cm scapes.

SAXIFRAGA EXARATA SSP MOSCHATA PRICE 1 @ \$8.00
A european mossy species that makes quite a nice tight cushion before flowering and has showy creamy flowers.

SAXIFRAGA MOSSY PRICE 1 @ \$8.00
A mix of hybrid mossy saxes flowers tend to the reds and pinks with the occasional brilliant red. these are around the easiest of saxifrages and great for beginners

SAXIFRAGA X ANDREWSII PRICE 1 @ \$8.00
A hybrid between S. paniculata and S. spathularis, it is an attractive easy silver, and grown widely in French cemeteries.

SAXIFRAGA X APICULATA ('GREGOR MENDEL') PRICE 1 @ \$8.00
Sancta x marginata, yellow flowers an easy and early flowering hybrid dating to 1894 the name Gregor Mendel has been somewhat belatedly bestowed on the original cross in the grex.

SAXIFRAGA X EDITHAE 'ARABELLA' PRICE 1 @ \$8.00
A 1966 Sunderman one of the best! Robust,sharply pointed rosette.Flowers.on short stems cross this has been rather easy for us.

SAXIFRAGA X LANDAUERI 'SCHLEICHERI' PRICE 1 @ \$8.00
Grex is x Kelleri (burseriana x stribnyi) X marginata more compact than Sündermann 's original Leonore, earlier blooming with rose pink flowers.

SCABIOSA CANESCENS PRICE 1 @ \$8.00
A rare European species with canescent foliage and typical bluish Scabiosa flowers; easy and free blooming but almost unknown to gardeners this deserves more attention.

SCABIOSA CAUCASICA PRICE 1 @ \$8.00
Another tufted species slightly larger than S. alpestris with pale blue flowers to 10cm wide, Mojmir found it in alpine meadows of the Central Caucasus at 2000m.

SCABIOSA GRAMINIFOLIA PRICE 1 @ \$8.00
By far my favorite species, dwarf tufts of silvery hairy linear leaves and heads of pink Scabiosa flowers up to 4cm across atop 20-30cm stems, these are from one of Mojmir's collections a couple of years ago, I'm surprised that no one has crossed it with Scabiosa caucasica.

SCABIOSA JAPONICA ALPINA PRICE 1 @ \$8.00
Compact 10-20cm, high plants with violet blue flowers in late summer and fall, considerably harder than straight Scabiosa japonica.

SCABIOSA LUCIDA PRICE 1 @ \$12.00
A widespread species in the European mountains flowering from June to September, color ranges from rosy lilac to purplish black atop 15-30cm stems.

SCABIOSA VESTINA PRICE 1 @ \$8.00
A neat tufted plant with solitary dark blue flowers collected on limestone strewn hillsides in the Italian Alps at 1800m by Mojmir.

SCOPOLIA CARNIOLICA PRICE 1 @ \$8.00
A solanaceous plant; related to Belladonna and a source of poisonous/hallucinogenic tropane alkaloids, attractive in a dark evil sort of way and just the thing to keep your mandrake company.

SCROPHULARIA AURICULATA 'VARIEGATA' PRICE 1 @ \$8.00
This Variegated Figwort makes a conspicuous feature plant. With broad basal leaves, waved and crimped that have a wide cream margins., the with centres are marbled in shades of green.

SCROPHULARIA CALIFORNICA PRICE 1 @ \$6.50
A cute red flowered scroph growing a couple feet tall and producing abundant nectar for bees, it prefers moist places and can form good sized colonies if happy.

SCUTELLARIA ALTISSIMA PRICE 1 @ \$8.00
Blue and white dragon headed fls in June & July, variable in height Med.-Caucasus.

SCUTELLARIA BIACALENSIS PRICE 1 @ \$8.00
Back in cultivation again and one of the best re-introductions, long tubed hooded blue flowers in profusion on foot tall bushy almost woody plants. Great in the border or large rock garden.

SCUTELLARIA OREOPHYLLA PRICE 1 @ \$8.00
A low creeping plant with dark green lobed leaves and attractive heads of yellow flowers, Mojmir found it on sunny slopes in the central Caucasus at 2000m.

SCUTELLARIA ORIENTALIS PRICE 1 @ \$8.00
Attractive foliage and yellow hooded Dragonhead flowers produced over a long season, orientalis is an outstanding rock garden plant; it runs about forming open mats, easy and long lived.

SCUTELLARIA PONTICA PRICE 1 @ \$8.00
A Turkish species similar to *salvifolia* but more delicate, forming prostrate mats and lacking the impress veination in the leaves. Flowers range from pinkish to reddish purple but magenta is typical. It is an excellent plant and not always readily obtainable, although easy enough to grow and very free blooming, I particularly like it waterfalling over the edge of a big trough.

SCUTELLARIA SCORDIFOLIA PRICE 1 @ \$8.00
A vigorous Korean species it will form sizable colonies over time with 30cm scapes of purple blue flowers.

SEDUM DIVERGENS PRICE 1 @ \$8.00
A loosely tangled mat former native to the Pacific Northwest courtesy of Sunny Border. It's always great to have Pierre stop by, not only does he bring plants and wine, he has the best nursery gossip.

SEDUM HISPANICUM MINUS PINK FORM PRICE 1 @ \$8.00
Condensed domes of pink tipped bluish gray leaves, clusters of pinkish white flowers, we have had numerous forms of hispanicum over the years and this is by far the best.

SEDUM MAKINOI 'OGON' PRICE 1 @ \$8.00
It seems that half of our sedums are gifts, this neat little golden plant was in one of the Sunny Border care packages either from Pierre or Jessie at Sunny Border Ohio.

SEDUM MENTHA-REQUIENII PRICE 1 @ \$8.00
Flat mats of nearly microscopic leaves even smaller than *Mentha requienii*. This looks more like some little Thyme than a Sedum, it looks great in a trough and has not gotten out of hand, in fact its rather restrained for a Sedum.

SEDUM OBTUSIFOLIUM PRICE 1 @ \$8.00
Short stems of 2-3" closely packed with large overlapping fleshy leaves diminishing in size as they go up very different from any other sedum and well worth a place in the garden, Caucasus.

SEDUM PLEURACAULE PRICE 1 @ \$8.00
A more or less deciduous mat former native to eastern Siberia down to Japan.

SEDUM REFLEXUM 'MONSTROSUM CRISTATUM' PRICE 1 @ \$8.00
Bizarre fascinated clone from Siskiyou, strangely attractive, it needs to have normal shoots pruned out or it may revert.

SEDUM RUPESTRE 'ANGELINA' PRICE 1 @ \$8.00
This forms a trailing mat of succulent golden-yellow leaves with clusters of yellow starry flowers in summer. When planted in containers or on a wall this develops a beautiful cascading habit and the foliage develops attractive amber tones in the autumn and winter. It does well in large rock gardens but it should be kept away from choice rock plants which it will eat

SEDUM SIEBOLDII PRICE 1 @ \$8.00
Japanese species with glaucous bluish fleshy leaves, and heads of bright pink flowers; it's one of my favorite sedums.

SEDUM SPATHULIFOLIUM SSP ANOMALUM 98-515 PRICE 1 @ \$8.00
Green rosettes with a reddish reverse and the typical yellow sedum flowers, this California native has proven surprisingly hardy.

SEDUM SPATHULIFOLIUM 'CAPE BLANCO' PRICE 1 @ \$8.00
Small tight rosettes of pruniose silvery gray leaves form low hummocks topped by nearly spherical inflorescences, found on Cape Blanco on the Oregon coast.

SEDUM SPECTABILE 'AUTUMN FIRE' PRICE 1 @ \$8.00
An improved Autumn Joy with thicker foliage and more uniform pink flowers that cluster thickly obscuring the foliage this is an excellent sedum for general landscape use.

SEDUM SPECTABILE 'AUTUMN JOY' PRICE 1 @ \$8.00
Probably the most popular sedum in cultivation and it is nice, a trifle overused, but nice nonetheless, mahogany pink flower heads in late summer and autumn, followed by showy seed heads, spectabile x telephium.

SEDUM SPECTABILE 'NEON' PRICE 1 @ \$8.00
A sport of brilliant with neon pink flowers and light green foliage it is the brightest colored of the spectabile group.

SEDUM X 'MATRONA' PRICE 1 @ \$8.00
'Matrona' is nice with dark bluish green leaves edged in pink and clusters of pink flowers are held atop 15" reddish stems

SEDUM X VERA JAMISON PRICE 1 @ \$8.00
An attractive hybrid looking a bit like a floppy dwarf spectacle, that sounds terrible but it's a pretty plant, really.

SELAGINELLA BRAUNII PRICE 1 @ \$12.00
One of the larger species this can reach 20" if happy, it is native to Western China but is naturalized in parts of the southeast; fronds bear a striking resemblance to Thuja shoots.

SELAGINELLA EMMELIANA PRICE 1 @ \$12.00
Another fine species commonly known as sweat plant not to worry we have doused this Belarus native with our industrial strength anti-perspirent, and we certify it odor free, just to be safe we even used the bidet, no odor anywhere it is safe in terrariums as well as in the garden.

SELAGINELLA MOELLENDORFFII PRICE 1 @ \$12.00
Spikemoss, a pleasant little creeper native to southern China. Spikemosses are among the few surviving members of the lycophytes, an ancient group of plants whose origins can be traced back as far as 400 million years ago. *Selaginella moellendorffii* has a genome size of only ~100Mbp, which is the smallest genome size of any plant reported, primitive indeed.

SELAGINELLA SANGUINOLENTA V. COMPRESSA PRICE 1 @ \$12.00
A tiny Japanese plant, perfect for a woodland trough with cushions of wiry zig-zag stems in a genus with 700+ members this is a standout.

SEMIQUILEGIA EALCARATA PRICE 1 @ \$8.00
Usually *Semiaquilegia* turns out to be some double flowered *Aquilegia vulgaris* thing however occasionally you get lucky and get the real thing which we did, a delicate Chinese columbine relative with little spurless flowers, I suppose if you were really lucky they would turn out to be *Paraquilegia grandiflora* however this generally involves pacts with the devil and blood sacrifices.

SEMPERVIVUM

There is something to be said for Semps, they are great for filling crevices in the rockwork and stopping erosion, and if they were not so easy to grow, they would be considered great treasures. We urge you to take a fresh look at some of the newer hybrids and add them to your rock gardens; they look great (unless you plant them in old boots) and will continue to look great long after your *Androsace vandellii* has packed up and returned to the Pyrenees. Due to time constraints a number of these have no descriptions, use your imagination or search them out on our website.

SEMPERVIVUM ARACHNOIDEA PRICE 1 @ \$6.50
Cobweb with medium sized freely offsetting rosettes, presumable the webs scare off insects looking for a meal; Ender loves the spider web without the spider concept and has planted these all over our rock garden. Thankfully, his taste improved, he discovered *Kab Saxes* later in the summer (he planted his own tufa trough, its quite nice). Ender says to remind you they are monocarpic and have a really weird scape.

SEMPERVIVUM ARACHNOIDEA V. ALBUM PRICE 1 @ \$6.50
Seed grown from white flowered parents these are variable in rosette size and amount of webbing; we have selected several promising clones from this batch of seedlings. (Does anyone still grow the pinhead cobweb? That tiny thing with 1/8" wide rosettes, Punnett and I would both like it back, its fantastic on tufa).

SEMPERVIVUM ARACHNOIDEUM 'CEBANENSE' PRICE 1 @ \$6.50
One of the best cobwebs, with ball like medium sized rosettes heavily webbed in white and abundant chicks on rather long stolons, this is the Siskiyou clone.

SEMPERVIVUM ARACHNOIDEUM 'COBWEB JOY' PRICE 1 @ \$6.50
Ask about our bonus offer which includes the Joy of Cobweb Cooking and the Joy of Cobweb Sex and as a special bonus a free copy of Cobwebs for Dummies.

SEMPERVIVUM ARACHNOIDEUM 'SPIDERII' PRICE 1 @ \$6.50
A rare clone, the seed was ingested by a grasshopper which was subsequently eaten by a gamma irradiated spider, we found it growing in a little pile of radioactive spider poo, it has powers, dark evil powers.

SEMPERVIVUM ARACHNOIDEUM STANFIELDII PRICE 1 @ \$6.50
Yet another webby one.

SEMPERVIVUM 'BEAUTIFUL' PRICE 1 @ \$6.50
Dylan brought us this years ago and until now we have been unable to produce enough to offer, The red-green slender leaved rosettes are large almost *Jovibarba* like and rarely offset (nor do they split in half). It is an outstanding semp that stays put in the garden.

SEMPERVIVUM BRAUNII PRICE 1 @ \$6.50
Turkish and similar to a small version of *tectorum* with yellow flowers and few offsets.

SEMPERVIVUM 'CHERRY FROST' PRICE 1 @ \$6.50
An outstanding cultivar deep red small globular rosettes, set with tufts of silvery white hairs, it has a very neat compact habit.

SEMPERVIVUM 'COBWEB CAPERS' PRICE 1 @ \$6.50
Crimson and green cobwebbed rosettes this is virtually identical to 'Alpha'

SEMPERVIVUM 'FROLICK' PRICE 1 @ \$6.50
Stuck with a 60's afro that just won't behave, you need Fro-Lick to lick it into shape, and for that fully groomed appearance you can use Fro-Lick on all your stubborn kinky hair, just throw a few rosettes in the blender add your favorite flavoring and have your partner apply with their tongue.

SEMPERVIVUM 'FUZZ GLOBE' PRICE 1 @ \$6.50
Globular rosettes sparse with their offsets, green leaves with prominent cilia at the margins, it has a species look.

SEMPERVIVUM 'KORUMP' PRICE 1 @ \$6.50
If you are anywhere near Yellowstone and hear this put your head between your legs and kiss your ass goodbye, that overdue Caldera finally blew.

SEMPERVIVUM 'MONA LISA' PRICE 1 @ \$6.50
I think she was pregnant. Now that that is settled how about a portrait done in semps, I have one of those mosaic programs and if you load up enough semp pictures, it will produce Mona Houseleek. I am tempted to actually plant it in the garden; it could start a completely new trend in rock gardening. If anyone does actually plant this, please send a photo.

SEMPERVIVUM 'PILIOSEUM' PRICE 1 @ \$6.50
Large grayish rosettes, the leaf margins lined with short hairs, its quite distinct and has been listed as a species although I can find no record of 'Pilioseum' as a species.

SEMPERVIVUM 'PSEUDO-ANDROSACE' PRICE 1 @ \$6.50
Jacques originally got this from Betty Blake supposedly as an *Androsace*, and admittedly it does look a bit like one, the name is ours (I have no idea what the real name is) plants are very webbed and slow to offset, it flowered for Punnett and he is positive it is a semp.

SEMPERVIVUM 'RED PLUCHE' PRICE 1 @ \$6.50
Small hairy leaved rosettes, it is bright red in spring but fades to green summer.

SEMPERVIVUM 'USTECHIO' PRICE 1 @ \$6.50
A dark reddish cultivar with a bit of webbing this has gotten a lot of attention here.

SEMPERVIVUM 'WHIRLIGIG' PRICE 1 @ \$6.50
A strange crested mutation causing twisted contorted rosettes, it does revert to varying degrees but remains an intriguing curiosity.

SEMPERVIVUM WULFENII PRICE 1 @ \$6.50
Genetically pure wild material (a rare thing when it comes to sempervivum) collected by Jurasek in the Dolomites at 2200m, the lemon yellow flowers are particularly nice for a Semp with up to 15 one inch flowers per 15-25cm. stem.

SEMPERVIVUM 'ZILVER SKROCKII' PRICE 1 @ \$6.50
Also known as typo.

SEMPERVIVUM NAMED FORMS COLLECTION 6 @ \$33.15 12 @ \$62.40
Named forms from the above and more our choice but all with names.

SEMPERVIVUM ARACHNOIDEUM ? 2 #65 PRICE 1 @ \$6.50

SEMPERVIVUM ARACHNOIDEUM 'ABRUZZI' PRICE 1 @ \$6.50

SEMPERVIVUM ARACHNOIDEUM 'AIONE' PRICE 1 @ \$6.50

SEMPERVIVUM ARACHNOIDEUM 'ANHOGEL' PRICE 1 @ \$6.50

SEMPERVIVUM ARACHNOIDEUM 'BRANSON' PRICE 1 @ \$6.50

SEMPERVIVUM ARACHNOIDEUM 'ENCADIN'	PRICE 1 @ \$6.50
SEMPERVIVUM ARACHNOIDEUM EX CASCADE LA PISSE	PRICE 1 @ \$6.50
SEMPERVIVUM ARACHNOIDEUM EX VALAIS SWITZERLAND	PRICE 1 @ \$6.50
SEMPERVIVUM ARACHNOIDEUM FROM GUILSAUMES	PRICE 1 @ \$6.50
SEMPERVIVUM ARACHNOIDEUM FROM MT VISO	PRICE 1 @ \$6.50
SEMPERVIVUM ARACHNOIDEUM GORGES DUDALVIS	PRICE 1 @ \$6.50
SEMPERVIVUM ARACHNOIDEUM 'HAUSMANII'	PRICE 1 @ \$6.50
SEMPERVIVUM ARACHNOIDEUM 'HEERI'	PRICE 1 @ \$6.50
SEMPERVIVUM ARACHNOIDEUM 'HURRICANE'	PRICE 1 @ \$6.50
SEMPERVIVUM ARACHNOIDEUM HYBRID 1990 #51	PRICE 1 @ \$6.50
SEMPERVIVUM ARACHNOIDEUM 'KEW GARDEN'	PRICE 1 @ \$6.50
SEMPERVIVUM ARACHNOIDEUM 'LAGGERI'	PRICE 1 @ \$6.50
SEMPERVIVUM ARACHNOIDEUM 'LAUSANNE'	PRICE 1 @ \$6.50
SEMPERVIVUM ARACHNOIDEUM MAJOR	PRICE 1 @ \$6.50
SEMPERVIVUM ARACHNOIDEUM 'MINIMA' EX DOLOMITES	PRICE 1 @ \$6.50
SEMPERVIVUM ARACHNOIDEUM 'MINOR'	PRICE 1 @ \$6.50
SEMPERVIVUM ARACHNOIDEUM MINUTUM TYPE BERGARTEN	PRICE 1 @ \$6.50
SEMPERVIVUM ARACHNOIDEUM MONTANUM	PRICE 1 @ \$6.50
SEMPERVIVUM ARACHNOIDEUM 'PRESSIANA'	PRICE 1 @ \$6.50
SEMPERVIVUM ARACHNOIDEUM PYRENES 1300 FT	PRICE 1 @ \$6.50
SEMPERVIVUM ARACHNOIDEUM PYRENES ORIENTAL	PRICE 1 @ \$6.50
SEMPERVIVUM ARACHNOIDEUM 'RAUHREIF'	PRICE 1 @ \$6.50
SEMPERVIVUM ARACHNOIDEUM 'STANSFIELDII' ORIGINAL	PRICE 1 @ \$6.50
SEMPERVIVUM ARACHNOIDEUM X NEVADENSE	PRICE 1 @ \$6.50
SEMPERVIVUM ARACHNOIDEUM X PITTONII	PRICE 1 @ \$6.50
SEMPERVIVUM ARACHNOIDEUM 'YUKON SNOW'	PRICE 1 @ \$6.50
SEMPERVIVUM ARACHNOIDEUM 'ZINALER'	PRICE 1 @ \$6.50
SEMPERVIVUM ARACHNOIDEUM 'ZUGSBRATL'	PRICE 1 @ \$6.50
SEMPERVIVUM 'BASCOUR SILVER'	PRICE 1 @ \$6.50
SEMPERVIVUM 'BELLE ETOILE'	PRICE 1 @ \$6.50
SEMPERVIVUM 'BETA'	PRICE 1 @ \$6.50
SEMPERVIVUM 'CRIMSON VELVET'	PRICE 1 @ \$6.50
SEMPERVIVUM DICKS HYB GLAUCA	PRICE 1 @ \$6.50
SEMPERVIVUM 'EMILY'	PRICE 1 @ \$6.50
SEMPERVIVUM 'FIESTA'	PRICE 1 @ \$6.50
SEMPERVIVUM 'FLUFFY FLUKE'	PRICE 1 @ \$6.50
SEMPERVIVUM 'GUNTHER'	PRICE 1 @ \$6.50
SEMPERVIVUM 'JET STREAM'	PRICE 1 @ \$6.50
SEMPERVIVUM 'KRAMER'S SPINRAD'	PRICE 1 @ \$6.50
SEMPERVIVUM 'LEE CLAIRS FORM'	PRICE 1 @ \$6.50
SEMPERVIVUM 'NANJA' #35	PRICE 1 @ \$6.50
SEMPERVIVUM 'PACIFIC BLAZING STAR'	PRICE 1 @ \$6.50
SEMPERVIVUM 'PINK SEEDLING'	PRICE 1 @ \$6.50
SEMPERVIVUM 'RED GREY NICE'	PRICE 1 @ \$6.50
SEMPERVIVUM SEEDLING 92-08 WHITE CRYSTALLINE HAIRS	PRICE 1 @ \$6.50
SEMPERVIVUM 'SILVER DOREEN'	PRICE 1 @ \$6.50
SEMPERVIVUM TINY EX ERNIE OBYRNE	PRICE 1 @ \$6.50
SEMPERVIVUM 'VELENOVSKY'	PRICE 1 @ \$6.50
SEMPERVIVUM 'WHITE LADIES'	PRICE 1 @ \$6.50
SEMPERVIVUM 'XANDRA'	PRICE 1 @ \$6.50
SEMPERVIVUM 'ZEPHIRINE'	PRICE 1 @ \$6.50
SEMPERVIVUM X SPECIES AND HYB MIX	PRICE 1 @ \$6.50
SEMPERVIVUM COLLECTION	79 @ \$395.00
One of each from the above, don't miss out on your chance to have one of the best semp collections, a total of 79 species and cultivars	
SENECIO REPENS (SERPENS) 'BLUE CHALKSTICKS'	PRICE 1 @ \$8.00
An interesting and tender species, with very attractive succulent powder blue stems, commonly known as Blue Chalksticks, our plants are upright despite the name, with the typical Senecio flowers.	
SERRATULA CENTAUROIDES	PRICE 1 @ \$8.00
Mojmir's collections from the Chentien Mountains of Mongolia at 1700m this is new to cultivation with deeply pinnate grayish leaves; rose pink Centaurea-like blooms on 15-35cm stems.	
SERRATULA SEOANEI V. MINOR (Centaurea simplicifolia)	PRICE 1 @ \$8.00
Punnett brought us this odd little plant that he grew for years under the name Centaurea simplicifolia, and indeed it does look like a dwarf mat forming Centaurea. Panyoti noticed it when he was here last year. It turns out is not a Centaurea but Serratula seoanei v. minor a plant he thought lost to cultivation and one that was on his wish list. Mat forming with lyrate gray felted leaves and 3cm rosy pink flowers. It is native to Portugal and Spain and closely related to Serratula tinctoria.	
SESELI GUMMIFERUM	PRICE 1 @ \$8.00
Moon carrot. We grew this years ago but I don't think we ever cataloged it, an oversight which we have rectified. It is an odd little umbellifer with lovely filigree bluish gray glaucous foliage that is attractive as a food plant for Black Swallowtail butterflies and pure white umbels of Queen Ann's Lace flowers. This has been a huge hit in the display garden.	
SIDALCEA MALVAEFLORA HYBRID 'ROSANNA'	PRICE 1 @ \$8.00
Meter high herbaceous mallow very free blooming and easy, somewhat short lived but persisting forever via self sowing 'Rosanna' features rosy-red flowers.	
SIDALCEA MALVAEFLORA HYBRID 'PARTYGIRL'	PRICE 1 @ \$8.00
Meter high herbaceous mallow very free blooming and easy, somewhat short lived but persisting forever via self sowing 'Partygirl' features carmine-rose flowers.	
SIDERITIS PHLOMOIDES	PRICE 1 @ \$8.00

Brigitta wanted to not list this because it looked too much like a Phlomis; Mojmir collected it from the limestones of Toros Dag at 2,300m, 20-40cm plants with gray-green leaves, dense heads of yellow flowers on 10-20cm stems, I think they are right.

SILENE ACAULIS

From a very free flowering strain; visitors to the nursery were stunned to see them lined out in the field like bedding plants.

SILENE ACAULIS 'TATOOSH'

SILENE ALPESTRIS

A tufted plant from the eastern Alps generally white flowered it is an easy long-lived plant in the rock garden.

SILENE ATROPURPUREA

Medium height with pink flowers, it looks pretty good in the pictures these should flower for the first time this year.

SILENE BORDERI

A rather nice pink flowered species from the Pyrenees; makes a good mat.

SILENE DIOICA 'VALLEY HIGH'

Fantastic variegation this is an outstanding foliage plant, granted the flowers are not much but who cares the foliage is great.

SILENE MARITIMA 'SWAN LAKE' DBL

A nice fully double large flowered clone of maritima; if you've grown maritima before and written it off as nothing special, think again, the carnation like buds open to white powderpuffs that are something else.

SILENE NUTANS

A European species with nodding fragrant flowers that open in the evening, it is border fodder not rock garden material.

SILENE OREADES 287

A bit reminiscent of Silene saxifraga, but with solitary pink flowers, Mojmir collected it from limestone on Kupe Dag at 2500m.

SILENE SAXIFRAGA

S. Europe to the Carpathians, dense tufts of caespitose leaves, short-stemmed white flowers with contrasting backs.

SILENE UNIFLORA 'DRUITT'S VARIEGATED'

Druids variegated would be more befitting our taste, but they failed to consult me when picking the name, this mat former has broad creamy edged leaves that give it a refined look. The puffy white flowers are almost an afterthought.

SILENE WALDSTEINI

A densely tufted plant from the Pirin Mountains of Bulgaria with pinkish purple flowers, strangely enough it is overlooked by everyone from Farrer to the AGS Book. Mojmir found it at 2300m.

SILPHIUM INTEGRIFOLIUM

A big Prairie Dock Compass Plant thing if you like big composites you will love it.

SILPHIUM LACINATUM

Compass plant, too cheap to lay out a thousand bucks for a dashboard GPS, not to worry just plant this in a dirty floor mat and your navigation problems are over, just tap on the flower and put the petal to the metal (it helps if you are as tall as that Chinese basketball guy).

SILPHIUM PERFOLIATUM

Fred was pushing this as a native that deserved more garden exposure, and it is impressive, this yellow flowered monster is tall enough to play in the NBA.

SMILACINA BICOLOR

A Korean species and the only info I could find was in Korean. It suffers a bit from the Google translation, here are a few highlights. "The beard root to the genitals is born from the joint" "both sides flow in lower part and becoming the short leaf sack" "is projection where the hair sleeps almost without above reverse side pulse" and my favorite "the flower stalk comes out from the armpit of the gun.... the flower runs". Fortunately, a picture is worth more than a Google translation and the site has several good ones.

SMILACINA RACEMOSA

Husky woodland plants of considerable beauty, the arching stems of False Solomon's Seal carry fluffy white flowers in plume like terminal racemes followed by berries like vitrified drops of bright blood in autumn. Smilacina too has some Asian counterparts, which are great garden plants.

SMILACINA STELLATA X RACEMOSA

A rare hybrid between two of our native species, we have had this for a number of years and finally have enough to offer.

SOLIDAGO CUTLERI

Horribly confused with Solidago brachystachys and Solidago virgaurea by any name it is a cute little dwarf golden rod. It is an eastern American tufted species found at altitude with showy corymbs of yellow flowers atop short stems in late summer

SPEIRANTHA CONVALLARIOIDES (GARDENII)

A monotypic Lily of the Valley relative from the Jiangxi region of China, this slowly creeping evergreen woodlander is rarely encountered in gardens and prefers a lime free soil, the starry white flowers are in 6" racemes and are produced in late spring.

SPIGELIA MARILANDICA

A unique looking and hardy Eastern American member of the Loganaceae They prefer a moist humus rich soil and a bit of shade. Flowers, which appear in mid to early summer, are narrow trumpets to 5cm scarlet outside and yellow inside with a constriction just before they flare out.

SPIRANTHES CERNUA VAR. ODORATA

Small vanilla scented white orchid flowers spiral gracefully up 30-50cm stems, its one of the showiest species and is fairly easy in a damp spot; it has proven to be quite amenable to pot culture for us.

STACHYS BYZANTINA 'SILVER CARPET'

This is supposed to be the best of the non-flowering Lamb's Ears, it has been known to throw the occasional spike of magenta flowers but is generally flower free.

STACHYS CANDIDA

Similar to chrysanthae except the flowers are white with purple spots, both make fine additions to a dry sunny rock garden.

STACHYS CHRYSANTHA

Tufted, 8", white tomentose stems, crowded spikes of bright yellow flowers, Greece.

STACHYS LAVENDULIFOLIA PRICE 1@ \$12.00
By far my favorite Stachys, these are from Mojmir's collections at 1700m on the sandy hills near Horsan, Turkey; flowers are mauve in whorls up the stems, subtended by dissected fuzzy bracts giving a smoky appearance from a distance. A legendary plant and difficult, at least in the Mid West, it detests too much wet, melting without warning, definitely not for beginners.

STACHYS MACRANTHA PRICE 1@ \$8.00
A big species for the perennial garden with masses of pinkish purple flowers whorled densely on the 2' flowering stems.

STACHYS MINOR PRICE 1@ \$8.00
Dense short spikes of hot magenta flowers arise from dense slow spreading mats of dark green leaves, delightful.

STACHYS MONNIERI (DENSIFLORA) PRICE 1@ \$8.00
Dense rosettes of crinkled leaves and numerous spikes of rosy lavender flowers that almost hide the plant, this long blooming perennial is excellent as a cut flower.

STACHYS NIVEA PRICE 1@ \$12.00
A gem from Syria with oblong leaves and whorled spikes of creamy white flowers.

STACHYS SAXICOLA PRICE 1@ \$8.00
A tufted species from the limestones of morocco around 1500m with whorled spikes of pink flowers

STOKESIA LAEVIS 'OMEGA SKYROCKET' PRICE 1@ \$8.00
A Stokesia on GA3, the stems stretch to 4', it's definitely different and may or may not be a breakthrough in new plant breeding, depending on your point of view; someone must think so because the seed is very expensive.

STOMATIUM MUSTELLINUM PRICE 1@ \$6.50
Reaching the altitudinal limit for the species this is a nice and quite hardy ice plant that produces yellow narrow petaled flowers for most of the summer.

STOMATIUM SP. EX KELDERBERG SOUTHERLAND PRICE 1@ \$6.50
I lost track of where this came from although it may have been from a Denver Botanic Gardens collection in any event it is yet another mesemb.

STROBILANTHES ATROPURPUREA PRICE 1@ \$8.00
In the Acanthaceae, an erect branching perennial to 2m native to Siberia, or the Himalayas depending on whom you read, with the unlikely name of Mexican Petunia??? No doubt due to the spikes of 2" tubular blue purple flowers that are bent into a hook shape; see photo in Rix, we just have a few.

SUCCISELLA INFLEXA 'FROSTED PEARLS' PRICE 1@ \$8.00
I had Succisella confused with Succisa, which is a monotypic Teasel relative, the only species being Succisa pratensis; therefore Succisa inflexa caught my eye which had corrupted it from Succisella. The photo on the Jelitto website didn't suck but what to make of this succubus daemon spawn plant with it's kinky frosted pearls and rigid parts? Be daring plant this sucker, you'll thank me later (pearls are fine but I prefer blacks to frosted).

SYMPHYTUM IBERICUM PRICE 1@ \$12.00
Like many plants the solid green form flowers much heavier than the variegated version, this puts on an impressive floral display so much so that I actually prefer it to 'Goldsmith'.

SYMPHYTUM IBERICUM 'GOLDSMITH' PRICE 1@ \$12.00
A dwarf Comfrey with broad gold variegation, its rather showy but like many variegated plant it tends to throw all green shoots, which can overgrow it if not removed.

SYMPLOCARPUS FOETIDUS PRICE 1@ \$12.00
A cool native arum with purple flowers that actually melt their way through the snow in spring, it is one of the first plants to bloom and a welcome sign of spring., these are from our native colony which thrives in our wet woods and even on moister shadier sections of our lawn. Huge old plants require a backhoe to dig, trust me it is better to hunt for seedlings. it is very popular in europe so much so that Kew keeps it under lock and key. albino and variegated forms occur and are worth seeking out.

SYNTHRIS PINNATIFIDA VAR. LACINIATA Ratko 99-475 PRICE 1@ \$12.00
Its true I have done miserably with synthris over the years; seeing where these were collected, it is not surprising, (moist alpine tundra in gravelly soils at the base of late melting snow banks). In fact this is the first large batch that has ever done well; the dense tufts of deeply lacinated bright green orbicular leaves and feathery deep purple flowers on 2" spikes which emerge before the leaves are worth the fuss; Ron's collection at 11,800' on Delano peak in the Tushar Mts.

TALINUM BREVIFOLIUM PRICE 1@ \$6.50
Bradshaw's collection from San Juan Co. UT at 4500'; three cm pink flowers, produced over a long period in summer from mats of succulent moss rose foliage, so far, this has not proven weedy but it has the potential.

TALINUM SPINESCENS PRICE 1@ \$6.50
A favorite of mine spinescens is found almost exclusively on the scabland-basalt outcrops growing in pockets of clay. Collected on Divide Ridge at 4850'; prostrate cushions of succulent sausage leaves from a fleshy taproot give rise to a floating mass of ½" deep rose flowers.

TANACETUM ALBIPANOSUM EUROSEED PRICE 1@ \$8.00
A neat little silvery Tansy from Mojmir, fragrant dissected leaves, this is excellent for a dryland garden.

TANACETUM HARADJANII PRICE 1@ \$8.00
The finely dissected lacey leaves are intensely silver, indeed this is just about as silvery as a plant can get, flowers don't matter, Turkey.

TANACETUM NIVEUM PRICE 1@ \$8.00
Seed grown from cultivated material from Alplains, this form is a bit different from plants we have grown under this name in the past. Rosettes of silvery green dissected foliage, clouds of white daisies; this has been a very easy plant and unlike so many silvery things quite melt resistant under wet conditions.

TANACETUM TIBETICUM PRICE 1@ \$8.00
Mojmir's collections from 5000m in the Tanglangla Pass dwarf shrubby silvery grey cushions and yellow flowers on short scapes, don't miss out, this may be a one-time deal it is quite a hike to go back for more seed.

TARAXICUM ALBIDUM PRICE 1@ \$6.50
My favorite dandelion, large pure white flowers, at one time I had only a single plant, which narrowly escaped disaster at the hands of employees and visitors who kept trying to be helpful and weed it out. Not to worry they are all hanging out with Hoffa and the plant finally flowered and set seed; so now, we have plenty.

TARAXICUM LEUCANTHUMPRICE 1@ \$6.50
A tiny plant that Mojmir found at 3500m in the Pamirs of Kyrgyzstan growing near water with solitary white to yellow flowers atop 5-15cm scapes above rosettes of linear leaves.

TARAXACUM PAMIRICUM JJH9209 395.....PRICE 1@ \$6.50
A charming dandelion from the Pamirs with lovely pinkish white flowers. Halda sent us this as a freebie and it has proved to be a wonderful rock garden plant, definitely not a weed.

TETRANEURIS (HYMENOXYIS) ACAULISPRICE 1@ \$8.00
This perennial is native to the southwestern US, where it occurs most often on dry rocky slopes and mesas. Angelita Daisy forms rounded clumps to fifteen inches tall and wide, flower is a deep gold color. It is very cold hardy, heat tolerant, and drought tolerant.

TEUCRIUM ACKERMANIIPRICE 1@ \$8.00
Low spreading mats of gray lavender like foliage, showy rose-purple flowers, an obscure plant that came to us from Siskiyou.

TEUCRIUM AROANIUMPRICE 1@ \$8.00
Mats of silvery foliage, showy pinkish purple flowers with long curving exerted stamens, cute enough for a place in a trough, native to Greece.

TEUCRIUM CHAEMADRYIS COMPACTUM EX R.M.R.P.PRICE 1@ \$8.00
Wealth, power, sex, fame even when you are running short of garden space.

TEUCRIUM CHAMAEDRYIS VARIEGATAPRICE 1@ \$8.00
Variegated form of the above attractively splashed with creamy white.

TEUCRIUM COSSONII (PULVERULANTUM)PRICE 1@ \$8.00
From Majorca on limestone, mounds of gray narrow aromatic leaves, purplish red flowers, blooms for extended periods, fairly hardy.

TEUCRIUM FRUTICANSPRICE 1@ \$8.00
Tree Germander to 2.5m tall leaves tomentose beneath blue lilac flowers, Iberia.

TEUCRIUM GRANATENSISPRICE 1@ \$8.00
A choice little thing, much like polium, we got it from H & H. I can find no reference to the name, but John insists it's a valid taxon, whatever; it's elegant looking enough for trough or alpine house.

TEUCRIUM HYRCANICUMPRICE 1@ \$8.00
From the Caucasus and W. Asia, a 75cm tall fall blooming species with whorls of red to purple flowers.

TEUCRIUM MASSILIENSEPRICE 1@ \$8.00
A sub shrubby species to nearly a meter native around the Mediterranean with tomentose leaves and whorls of pinky purple flowers.

TEUCRIUM MONTANUMPRICE 1@ \$8.00
A limestone loving European mat former with decumbent stems to 25cm, arising from a woody base, head like spikes of 2cm creamy white flowers.

TEUCRIUM POLIUM AUREUM 'MRS MILSTEAD'PRICE 1@ \$8.00
Milstead is a nice compact clone in general appearance much like polium roseum but with yellow flowers.

TEUCRIUM POLIUM ROSEUMPRICE 1@ \$8.00
One of the most desirable species, tiny subshrub with silver gray leaves, pink flowers wet sensitive makes a good trough specimen. This is probably subspecies pii-fontii from the Balearic Isles.

THALICTRUM DELAVAYI HEWITTS DOUBLEPRICE 1@ \$15.00
The most sought after of the border types, with airy sprays of purple fully double flowers, the effect is like a large flowered purple baby's breath.

THALICTRUM FLAVUMPRICE 1@ \$8.00
Attractive glaucous blue foliage and fluffy heads of nice clear yellow flowers. A tall border species that is surprisingly seldom encountered in gardens; tolerates anything from full sun to quite heavy shade, it's native to Spain and Portugal.

THALICTRUM FLEXULOSUMPRICE 1@ \$8.00
These date from a Korean Hinkley collection in 1997, flexulosum is dwarf, the 6-8" tufts of foliage are topped by typical white-stamened petal-less flowers.

THALICTRUM FOETIDUMPRICE 1@ \$8.00
European species somewhat creeping, yellow flowers in loose branched panicles atop 50cm stems; it thrives in light sandy soil in sun or light shade.

THALICTRUM ICHANGENSEPRICE 1@ \$8.00
A cute little Chinese species only 20cm tall, seldom seen in gardens.

THALICTRUM KIUSIANUMPRICE 1@ \$8.00
A dwarf somewhat stoloniferous species from Japan, with ferny mounds of foliage only a few inches high and lilac flowers on 4" stems, beautiful in a woodland trough.

THALICTRUM LUCIDUMPRICE 1@ \$8.00
3' tall with shining yellow flowers over nice fern like foliage, beautiful in large groups, see Rix, Europe to Russia.

THALICTRUM MEGASTIGMA 03-CH-176PRICE 1@ \$8.00
Hans from Walters collected this in China in 2003, and it finally germinated last spring, I anxiously await flowers.

THALICTRUM ROCHEBRUNIANUMPRICE 1@ \$8.00
Japanese, it's one of the showiest species, with large single pink flowers in an open panicle. Plants take a while to establish and are not as vigorous as some of the other species, but they more than make up for it in the grace department.

THALICTRUM SP EX CHINA 03-CH-196PRICE 1@ \$8.00
Collected by Hans from Walters on a 2003 China expedition these finally germinated and should flower for the first time next year foliage texture is fine and they do not appear to be huge growing.

THERMOPSIS MONTANA V MONTANAPRICE 1@ \$8.00
Montana has apparently been merged into Thermopsis rhombifolia, whatever the name it is a yellow flowers legume after the fashion of Baptisia, height is quite variable, ranging from 20 to 100cm.

THYMBRA CAPITATAPRICE 1@ \$8.00
Hophead Thyme, shrubby erect bushlets.

THYMUS 'HIGHLAND CREAM'PRICE 1@ \$6.50
Cute enough for a trough this is one of the better new thymes we have seen.

THYMUS VULGARIS 'SILVER POSIE'PRICE 1@ \$6.50
Outstanding variegated thyme, the bushy little shrublets are lovely even without the masses of pinkish purple flowers.

THYMUS BUCCHARICUM PRICE 1 @ \$6.50
A rarely seen Thyme that Mojmir found in the dry stony hills of Kyrgyzstan at 3500m, where it formed compact green mats beset with stemless pink flowers in compact heads.

THYMUS CAESPITITUS PRICE 1 @ \$6.50
A tiny tufted plant, it makes tight cushions suitable for a trough, easy as long as it stays on the dry side.

THYMUS CHERLERIOIDES PRICE 1 @ \$6.50
Known as Silver Needle Thyme; it evokes disturbing images of cheerleaders with far too many piercings; daydream over, the silvery-gray needle like foliage is most unusual for a Thyme, it's wet sensitive and needs sharp drainage.

THYMUS COMOSUS PRICE 1 @ \$6.50
Low growing splendid plant to 6", aromatic leaves in pairs along trailing stems clustered round heads of bright pink flowers, extremely showy.

THYMUS LEUCOTRICHUS PRICE 1 @ \$6.50
Outstanding creeping sub shrubby Thyme from Greece and Turkey, it is commonly known as Juniper Thyme; spicy scented juniper-like foliage topped with ornamental lavender pink flowers.

THYMUS NITENS PRICE 1 @ \$6.50
A rare species, it makes a nice specimen for a larger trough, the dark evergreen foliage and multitudes of huge pink flowers make it very popular here.

THYMUS PRAECOX SSP. ARCTICUS COCCINEUS PRICE 1 @ \$6.50
The so-called red flowered creeping Thyme, we listed it as *serpyllum coccineus* previously; this is the more correct name; flowers are more reddish purple to my eye, the name apparently refers to the red winter foliage. A super plant for ground cover, it doesn't seem to mind being stepped on and flowers all summer.

THYMUS PSEUDOMASTICHINA PRICE 1 @ \$6.50
I'm unclear if this is really a species or just a mis-named plant that passes for *mastichina*.

THYMUS QUINQUECOSTATUS IBUKIENSIS PRICE 1 @ \$6.50
Choice low mat former with abundant large pink flowers from Japan; one of the showiest thyme in terms of floral display, I've seen some of Jim Briggs pictures from Japan, its fantastic.

THYMUS QUINQUECOSTATUS IBUKIENSIS ALBA PRICE 1 @ \$6.50
The rare white form of the above.

THYMUS RICHARDII SSP. NITIDUS PRICE 1 @ \$6.50
A choice species that also circulates as *T. ciliatus* with slightly fuzzy incredibly scented foliage. It is outstanding.

THYMUS SERPHYLLUM ELFIN PRICE 1 @ \$8.00
Tight domes of microscopic leaves that hump up to form a rock hard high-domed cushions that rival *Gypsophila aretioides* in quality. It rarely flowers which hardly matters, 'Elfin' is by far the finest Thyme for trough culture or for planting in crevices between pavers, this ranks as one of the top cushion plants we have ever grown, but beware of inferior clones that are often distributed under this name.

THYMUS THRACICUS PRICE 1 @ \$6.50
Unusual shrublets with small lavender scented foliage; its one you seldom see, courtesy of H & H Botanicals.

THYMUS X CITRODORUS 'DOONE VALLEY' PRICE 1 @ \$6.50
A hybrid of uncertain parentage and resembling *citradorus* but with flatter mats, leaves deep olive green spotted yellow flowers are lavender expanding from crimson buds.

THYMUS ZYGIS GOOD BLUE FORM PRICE 1 @ \$6.50
A small suffruticose plant these are from a Sierra de Gredos population Mojmir collected at 2200m low compact mats of aromatic foliage and heads of white flowers its related to *vulgaris* but much nicer. An excellent blue form this grows best if you play it a bit of ziggy stardust once a month.

TIARELLA HYB 'MINT CHOCOLATE' PRICE 1 @ \$8.00
Chocolate centered green maple leaves and congested spikes of bronze tinted white flowers

TIARELLA HYB 'SPRING SYMPHONY' PRICE 1 @ \$8.00
Deeply divided leaves with dark centers and abundant spikes of pale pink fragrant flowers

TRACHELIUM JAQUINIUM SSP. RUMELIANUM PRICE 1 @ \$8.00
6" bluish lilac flowers are very attractive to butterflies, related to *Campanula*, choice and desirable, Crete, and Greece.

TRADESCANTIA 'BILBERRY ICE' PRICE 1 @ \$8.00
Ethereal white flowers shading to a center of fuzzy Billberry purple, the effect is quite stunning and the plants are neat and compact.

TRADESCANTIA 'CONCORD GRAPE' PRICE 1 @ \$8.00
Tradescantia 'Concord Grape' Very free blooming with tons of grape colored flowers, it will bloom most of the summer and is about as easy to grow as it gets. I have seen this advertised as attractive to butterflies; butterflies could care less about it. Look for a butterfly garden collection in the near future with plants butterflies actually like

TRADESCANTIA 'SATIN DOLL' PRICE 1 @ \$8.00
Satin pink flowers from April to October we think it is the best pink *Tradescantia*.

TRADESCANTIA SWEET KATE PRICE 1 @ \$8.00
Brilliant golden foliage and dark blue-purple flowers this one is best in part shade.

TRICYRTIS

Until recently, the Toad Lilies have languished in obscurity. I always grew a broad selection but I also loved toads; their golden eyes, the cute way they suck them in to help them swallow, the alien sounding trilling calls, *Amplexus* in the spring was always a big event, at least for the anurans. Well maybe not just for the anurans, but I digress. *Tricyrtis* have become trendy. All those *Hosta* growers are getting tired of monocultures and branching out into other shade lovers and *Tricyrtis* have a lot to offer. They are for the most part easy to grow, and flower late in the season when they can command your full attention. The flowers are complex often intricately spotted with an understated exotic charm. Non-gardeners, seeing them for the first time often ask if they are some kind of Orchid. Most species are stoloniferous and will quickly clump up in the garden; division is generally unnecessary however, if you do divide, clumps discard the eyes that flowered and save the new eyes. The rosette that flowers generally goes monocarpic, a fact that is obscured by the many new plantlets.

TRICYRTIS ANGEL'S HALOPRICE 1 @ \$8.00
This has kicked around the nursery since 1998 and we decided it was time it paid for its keep, buy it or we will be forced to sacrifice it to Cthulu.

TRICYRTIS 'ECO SNOW LEOPARD'PRICE 1 @ \$8.00
Another of Hammer's castoffs, Jim is very opinionated as to what is worthy of garden space; we plant anything and rarely get out the roundup.

TRICYRTIS 'AMANDOGAWA' ('ECO YELLOW SPANGLES')PRICE 1 @ \$12.00
A hybrid between *T. bakeri* and *T. flava* with arching stems bearing light yellow open flowers spotted with red dots. Langhammer deemed it inferior and ripped it out of his garden which is how we came by it, we will reserve judgment until we see it flower, some of Hammers castoffs turn out to be very good plants.

TRICYRTIS X 'KOHAKU'PRICE 1 @ \$12.00
An outstanding hybrid between *hirta* and *macrantha* ssp. *Macranthopsis* it is yellow in bud like *Macranthopsis* but opens to a speckled flat 'Miyazaki' like flower but with a more yellowish background.

TRICYRTIS X 'MIYAZAKI'PRICE 1 @ \$8.00
Lovely fall blooming Toad Lily from Japan, strange speckled blossoms produced in the leaf axils on graceful arching stems. I love them, but then again, I also love toads, especially the giant mouse eating varieties; anything that eats mice is O.K. in my book. This plant is often sold as a *hirta* but Hammer said lose it; it only adds to the confusion.

TRICYRTIS 'RASPBERRY MOUSSE'PRICE 1 @ \$12.00
A new one from Sunny Border it is another dark petaled *hirta* a bit lighter than 'Kinkazan' these spontaneous dark forms show up frequently so much so that I suspect they are Viral induced.

TRICYRTIS AFF. OHSUMIENSISPRICE 1 @ \$8.00
Yellow spotted flowers in mid summer, Langhammer identified these, keyed and compared to his extensive collection of living material. *Tricyrtis* are hopelessly messed up in the nursery trade, but little by little, we are getting them sorted out.

TRICYRTIS AFF. HIRTAPRICE 1 @ \$8.00
Pure *hirta* or something very close to it. Hammer says they look right; purple spotted flowers in autumn. If someone questions the veracity of these in your garden, simply kneel down and peer closely at the plant, pick a flower and carefully tear it apart all the time muttering to yourself; (it helps if you can produce a hand lens at this point). Point out to them the tiny (nonexistent) hairs on the ovary, and insist it must be correct; works on all but the best.

TRICYRTIS AFF. HIRTA DARK SELECT ('KINKAZAN')PRICE 1 @ \$8.00
As above but with the spotting on the petals fused giving the effect of an overall dark petal. The British National Collection has a photo of a plant they are calling *T. hirta* 'Kinkazan' which appears identical and is probably the same plant.

TRICYRTIS AFF SETOUCHIENSISPRICE 1 @ \$12.00
An extremely large flowered plant that we got from Langhammer, Jim insists it keys to *setochinensis* however it is quite different from the *Heronwood setochinensis* we offer. I believe he got this from a plant sale so it is always possible it is some sort of hybrid.

TRICYRTIS AFFINIS Ex RothmanPRICE 1 @ \$8.00
The plants that have flowered to date have been the attractive albida form, although it would not surprise me to have a few spotted ones show up. Rothman's stuff is usually quite true to name but he likes his toadies and anytime more than a single species is grown hybrids are likely.

TRICYRTIS AFFINIS PURPLE EYEPRICE 1 @ \$12.00
As the name says this has a purple eyeother than that it is pretty typical *Tricyrtis* *affinis*.

TRICYRTIS DILATATA Ex RothmanPRICE 1 @ \$8.00
Jim Langhammer did see them bloom and says they are right, but that most authorities consider *dilatata* to be synonymous with *macropoda*, we retain *dilatata* for provenance if nothing else.

TRICYRTIS FORMOSANA TRUEPRICE 1 @ \$8.00
These are the real thing, at least according to Hinkley, Hammer seemed less confident. A very late flowering plant that is on the tender side. 3' stems topped with dark flowers, and more popping from the axils, true or not, it is a lovely plant.

TRICYRTIS FORMOSANA VARIEGATAPRICE 1 @ \$8.00
An attractive variegated form of *formosana* from Heronwood stock that Hinkley brought back from Japan, very nice and quite rare in gardens, I find *formosana* a bit tender.

TRICYRTIS HIRTA ALBAPRICE 1 @ \$8.00
From Langhammer's seed, Jim has seen them in bloom and proclaims them pure *hirta* Alba.

TRICYRTIS HIRTA 'MOONLIGHT'PRICE 1 @ \$8.00
A chartreuse sport of *hirta* 'Variegata' the leaf color is unique and eye catching, this needs a fair bit of shade, or it will burn.

TRICYRTIS HIRTA 'VARIEGATA'PRICE 1 @ \$8.00
One of the many variegated forms of *hirta* that has been selected over the years this has a neat narrow edge of creamy white on the leaves and the typical purple speckled *hirta* flowers.

TRICYRTIS HIRTA EX 'WHITE TOWER' Ex RothmanPRICE 1 @ \$8.00
Seed grown material from Rothmans clone of 'White Tower', expect some variation.

TRICYRTIS JAPANESE HYB. 'HATATOGISA' PRICE 1@ \$8.00
Formosana hybrid, amethyst flowers face upward on branching scapes, very showy and unlike pure formosana its hardy here; great for late fall color.

TRICYRTIS MACRANTHA (ssp. macranthopsis) PRICE 1@ \$12.00
Previously offered as ssp. Macranthopsis, Langhammer keyed it and insists it is straight macrantha and I trust Jim's taxonomy. A trailing species with long tubular yellow flowers speckled on the interior with burgundy, best appreciated trailing down from a high rock wall where you can gaze upward into the interior of the flowers or even in a hanging basket. We normally disdain baskets but could easily make this an exception.

TRICYRTIS MACROPODA YUNGI TEMPLE FORM PRICE 1@ \$8.00
A robust form of macropoda with stems that can reach 5' in height, this flowers in the axils as well as producing the typical terminal display of lavender spotted flowers.

TRICYRTIS STOLONIFERA PINK FORM Ex Hammer PRICE 1@ \$8.00
A nice pink selection from Jim, its always nice to release some of the things we carefully hoard. Brigitta and I cleaned the stock house this fall and quite a number of lost treasures appeared.

TRICYRTIS SP. CHINESE DWARF PRICE 1@ \$15.00
Another courtesy of Yinger it forms colonies of short stems topped by stolonifera like flowers it makes an interesting groundcover.

TROLLIUS ASIATICUS PRICE 1@ \$8.00
Essentially a shorter more Eastern version of europaeus, flowers are usually deep yellow but can be orange.

TROLLIUS HONDOENSIS PRICE 1@ \$8.00
This came from the 1996 ARGS seed exchange, Fred Case was the donor; it turns out Jim Briggs, sent this to Fred from Japan and we continue to keep it in cultivation.

TROLLIUS X CULTORUM 'CHEDDAR' PRICE 1@ \$12.00
A most attractive cultivar with the cream colored bowls posses a subtle beauty quite unlike any other Trollius we offer.

TROLLIUS CHINENSIS 'GOLD QUEEN' PRICE 1@ \$8.00
One of the showiest species with golden yellow bowl shaped flowers on 3-foot stems.

TROLLIUS CULTORUM 'ORANGE GLOBE' PRICE 1@ \$8.00
Crosses between chinensis asiaticus and europaeus 'Orange Globe' is fantastic with huge translucent glowing orange flowers.

TROPAEOLUM CILIATUM PRICE 1@ \$15.00
Yellow flowers to 4cm across with a long spur, leaves 5 lobed, from Chile in shady places near streams, flowering Oct-Jan. there, hardy in England and possibly here once established as the tuberous roots can go deep. Almost never offered, if you've tried Tropaeolum from seed you know it can take many years to germinate.

VACCINIUM **SEE SHRUB LISTING**

TUNICA (PETORRAGHIA) SAXIFRAGA FL.PL PRICE 1@ \$6.50
Also known as Kohlruschia saxifraga I used to grow this years ago, and had nearly forgotten about it until Dick hauled it in from his garden. Tufted from a woody rootstock this forms a network of fine twiggy stems and small linear leaves the fully double pink flowers give a Baby's Breath like impression. This unusual little Dianthus relative puts on quite a show.

VALERIANA ARIZONICA PRICE 1@ \$6.50
Low cushions of orbicular leaves and fairly dense corymbs of white to pink flowers on 20-30cm stems, this is one of the more widely grown western species.

VALERIANA PHU 'AUREA' PRICE 1@ \$6.50
Valeriana phu is the long cultivated source of medicinal Valerian, a mild tranquilizer, phu probably refers to the smell as in phuuuu this really stinks. The plant however is very attractive coming up brilliant gold in spring and eventually turning lime green. Its tall to 1.5m with officinalis like clusters of white flowers.

VALERIANA SUPINA PRICE 1@ \$6.50
A gem from the high alpine moist limestone screes and streamsides in the Alps, it forms low mats of ovate foliage with cymes of fragrant pink flowers on 10cm stems.

VANCOUVERIA HEXANDRA PRICE 1@ \$12.00
A white flowered deciduous species from the Pacific Northwest, like the other species, it needs rich woodland conditions.

VELLA SPINOSA PRICE 1@ \$6.50
"A strange angry small crucifer" Farrer, intricately branching subshrub with hardly a leaf to it's name presenting a hedgehog of thorns, yellow flowers veined violet.

VERBASCUM HYBRID 'LETITIA' PRICE 1@ \$6.50
A sterile hybrid from Wisley with 8" spikes of yellow flowers, its incredibly floriferous, it needs to be frequently propagated as older plants may go monocarpic.

VERBENA CANADENSIS 'LILAC TIME' PRICE 1@ \$6.50
Despite the Sesame Street name this is rather nice, the fragrant lilac flowers are loved by butterflies. It is not as hardy as some of the canadensis forms but survives most years here. If anyone is growing wild types from a northern seed source I'd like to hear from them.

VERBENA MACDOUGALLII PRICE 1@ \$6.50
A western version of Vervain, meter high plants with deep purple flowers.

VERBENA PERUVIANA PRICE 1@ \$6.50
Flaming red flowers, great in a hanging basket; butterflies love 'em; I always thought it tender but apparently, it will winter around here with protection.

VERBENA STRICTA PRICE 1@ \$6.50
Hoary Vervain, only 3' high but strict, this one will mess around with Verbena hastata.

VERONICA

A wonderful genus with a little something for everyone; at one end of the spectrum are the tall border species. Perennials that provide months of color are loved by butterflies and have such an ease of culture that little short of roundup will do them in. At the other end of the spectrum, there are some of the choicest of alpine plants, perfect for troughs, the alpine house, or that special place in the rock garden. In between are many great plants for general rock garden use or for edging borders and what have you. We think we have assembled a wonderful collection that like fine wine needs to be sampled to fully appreciate it.

VERONICA CINEREA ORIGINAL ARCHIBALDPRICE 1@ \$8.00
My favorite Veronica back again after several years absence, gray cushions that cascade beautifully over rocks, misty blue flowers for a long period in summer, from Archibald seed this is the best form I've ever seen, a must.

VERONICA CUNEIFOLIAPRICE 1@ \$6.50
Another nice Turkish species making downy mats and 2-3" spires of blue flowers.

VERONICA GENTIANOIDES VAR. GLACIALISPRICE 1@ \$6.50
A very dwarf form of gentianoides, dense cushions of narrow green leaves, and showy blue flowers on scapes only 3-8cm tall, Mojmir got it on Ercies Dagh way up at 2,700m.

VERONICA HYB. 'WATERPERRY'PRICE 1@ \$6.50
A well-known hybrid, very free flowering, if quickly forms medium sized mounds, one of the best for general landscape use.

VERONICA KELLERIPRICE 1@ \$6.50
A botanically obscure name the plants look a bit like prostrata.

VERONICA KOTSCHYANA #276PRICE 1@ \$6.50
A sub shrubby species collected by Jurasek from limestone fissures up around 2800m flowers range from violet to bright blue.

VERONICA LIEWANENSISPRICE 1@ \$6.50
From Betty Blake and one of the better Turkish Veronics, very free flowering, extremely prostrate mats of tiny leathery green leaves.

VERONICA OLTENSISPRICE 1@ \$6.50
Turkish and very, very choice. It resembles a miniature liwanensis, with sheets of china blue flowers, it needs care in watering or it may melt.

VERONICA PINNATA 'BLUE FEATHER'PRICE 1@ \$6.50
A very distinctive Siberian species with feathery dissected foliage and long spires of ice blue flowers.

VERONICA PONAEPRICE 1@ \$6.50
Its blue flowered, cute, and apparently much more common in gardens than in the literature; none of the standard references list it.

VERONICA PORPHYRIANAPRICE 1@ \$6.50
Low creeping mats of foliage topped with multitudes of short dense spikes of deep purplish blue flowers. It is the best new veronica we have seen in years.

VERONICA PROSTRATA 'AZTEC GOLD'PRICE 1@ \$6.50
Prostrata with greenish gold foliage, foliage is nice but the flower color is washed out.

VERONICA PROSTRATA 'ICE BLUE'PRICE 1@ \$6.50
A selection from the Punnett garden. Dick is very fond of these two despite the fact that they seem a bit mundane compared to much of what he grows.

VERONICA PROSTRATA 'DICK'S WINE'PRICE 1@ \$6.50
He'll need some wine if he hangs around this crazy place for any length of time. An unusual color for veronica, the abundant short spires are produced from low creeping mats; an easy, showy species.

VERONICA PSEUDOCINEREAPRICE 1@ \$6.50
Also listed as V. thymoides ssp. pseudocinerea; looks a bit like cinerea, what a surprise, another good one from Turkey and seldom offered.

VERONICA REPENS 'SUNSHINE'PRICE 1@ \$6.50
Bright yellow flat mats barely 1/2" high, 'Sunshine' is more restrained than the species and a most attractive plant.

VERONICA ROTUNDAPRICE 1@ \$6.50
Dark green cushions from a woody base and blue flowers on 10-15cm spikes, a Japanese species these are from Mojmir's private garden.

VERONICA SPICATA VARIEGATAPRICE 1@ \$8.00
A streaky variegated form that is unstable but pretty.

VERONICA SUBSESSILIS BLUE PYRAMIDPRICE 1@ \$8.00
An attractive border plant from Japan with heavy textured foliage and compact flower spikes, it looks a lot like Sunny Border Blue with lighter blue flowers, minus the hype.

VERONICA SURCULOSA RATKO 94-0469PRICE 1@ \$6.50
Shaggy carpets of gray green leaves; like a shorter form of cuneifolia, bright azure flowers on very short racemes, Turkey.

VERONICA THYMOIDES THYMOIDESPRICE 1@ \$6.50
A Turkish species very similar to Veronica cinerea except for the indumentum, forming dense mats with blue flowers in short racemes of 4-10.

VERONICASTRUM VIRGINICUM VIRGINICUM ALBAPRICE 1@ \$8.00
Whorled leaves on 3-6" stems topped by a three-dimensional fish spear of white flowers, I prefer them naturalized along woodland edges.

VINCA MAJOR VARIEGATAPRICE 1@ \$8.00
An attractive large leafed variegated form, dick brought us this years ago and somehow we never got around to propagating it, not that it needs any help, it is currently trying to eat greenhouse 2, on the other hand it is a dead easy groundcover and perhaps less aggressive than vinca minor.

VINCA MINOR 'BOWLES VARIETY'PRICE 1@ \$8.00
If one more moron walks up to me holding a Dionysia and asks, "Is this a groundcover" we are going to feed him to the deadly attack Vinca. Its perfect for covering those unsightly disturbed areas where the bodies are buried, not to mention strangling out every other plant except large trees. The green desert at Hidden Lake is an abomination that needs a few gallons of Roundup. The weird thing is the weed police don't even seem to make a fuss over it, go figure, think of it as the low blue flowering Kudzu.

VINCA MINOR 'EMILY JOY' WHITEPRICE 1@ \$6.50
A slightly less rampant white flowered form.

VIOLA JOOIPRICE 1@ \$6.50
An attractive pink flowered Violet that doesn't make a nuisance out of itself. I prefer the older name V. transylvanica.

VIOLA KOREANA 'SILVER CUTLEAF' PRICE 1 @ \$8.00

Viola koreana silver cutleaf selection Viola koreana and Sylvia Hart weed around the gardens here and we found this cut leaf plant in the garden; we presume it is a seedling of Sylvia Hart or not. It may even be something that a customer gave us, over time it is easy to loose track of things. I constantly find things I planted ten years ago and forgot where I put it. Don't forget we garden on nearly 80 acres, the Red Cedar river cuts the property with floodplain forest, dry sand flood plain, beech maple and oak hickory woods, cattail marsh, a sedge fen remanant and dry uplands old field habitat. We tend to stick gardens everywhere

VIOLA PEDATA MICHIGAN FORM PRICE 1 @ \$8.00

One of the most desirable Violets, dissected leaves and flowers larger than any other native species. Needs sandy soil in sun to light shade and will seed profusely if happy, a very special Violet. It is believed to be the preferred food plant of the Great Spangled Fritillary, a beautiful species that has declined to the brink of extinction in Michigan.

VIOLA PEDATA BICOLOR EX RON BASS PRICE 1 @ \$8.00

This is an Ozark form with highly dissected very narrow foliage and very large bicolor flowers, it does not intergrade with the non bicolor form according to Ron and may indeed be a separate species. It does not seed around for me but collected seed germinates usually in the second year. We only have enough of these to offer every few years so don't miss out, if you want to start a colony start with several plants to ensure multiple clones.

WULFENIA BALDACII PRICE 1 @ \$6.50

Rarely encountered in gardens this is native to rocky shaded slopes in northern Albania, it is similar to carinthiaca with attractive spikes of blue flowers over clumps of hairy leaved foliage.

WULFENIA CARINTHIACA PRICE 1 @ \$6.50

A curious scroph, the genus is named after Franz Xavier Freiherr Von Wulfen, (also famous for Castle Wolfenstein) W. carinthiaca is a cute little plant native to the southeastern Alps with racemes of blue flowers on 10" stems.

WULFENIA CARINTHIACA ALBA PRICE 1 @ \$6.50

Evergreen rosettes of foliage give rise to spikes of white flowers, this rare white form is sure to elicit favorable comments in your garden.

YOUNTIA YOSHINOI PRICE 1 @ \$8.00

Google comes up blank on the genus as well as the species, I don't have a clue either but somebody liked it enough to collect seeds.

YUCCA HARRIMANIAE PRICE 1 @ \$19.00

A very dwarf species small enough for the rock garden, harrimaniae is affectionately known as the Doll House Yucca. The two foot stems bear fleshy globose flowers that are yellowish white tinged with purple above clusters of glaucous rosettes.

YUCCA NANA PRICE 1 @ \$19.00

A microform of Yucca harrimaniae it was given species status in 1998 these are from Hans at Shady Oaks tissue cultured stock.

YUCCA RECURVAFOLIA 'GOLD RIBBONS' VARIEGATA PRICE 1 @ \$19.00

Sean Hogan's selection with rather soft leaves centered in gold and a grayish green margin, with age it will trunk up.

ZANTEDESCHIA AETHIOPICA 'CROBURGH FORM' PRICE 1 @ \$8.00

Pure white Calla these are supposedly the hardest type.

ZANTEDESCHIA 'BLACK FOREST' PRICE 1 @ \$15.00

Z. x rehmanii 'Schwarzwalder' (aka 'Black Forest'), a plum-black calla lily without the dark stem & dark leaf margins of 'Edge of Night.' very nice but sadly tender we plan on crossing it to our native white calla palustus, stay tuned for progress

ZAUSCHNERIA CANA SSP. LATIFOLIA Ratko 95-509 PRICE 1 @ \$8.00

Collected at 8,150' in the San Gabriel Mountains, Ron collected this unusually compact form from steep granite slopes where the finely hairy foliage cascaded in mats of dark silvery green, which were covered in late summer by the 2" intensely red tubular flowers. Punnett has grown Zauschnerias in the garden for years and this high altitude form has an excellent chance of wintering.

ZINGIBER MIOGA MANACATA PRICE 1 @ \$19.00

A hardy ginger form japan and korea with exotic looking edible yellow flowers it is hardy to at least -15f Turns out it's grown for its flower buds. Before they open, they're picked and used in stir fries, with a milder flavor than the more familiar spicy ginger root (*Z. officinale*).

ZIZIPHORA

Easy and long lived these central Asian mints are popular tea plants, and coming home to a hot mug of Ziziphora tea with a pat of butter floating on top after a hard day of wolf hunting on horseback, lugging a fifteen pound Berkut (the big golden eagles they hunt with) is Mongol tradition. You can now enjoy this treat at home, minus the yurts, Berkut, rancid Yak butter and so forth, or better still just plant them in your rock garden and enjoy the flowers and daydream about the eagle you will never get to hunt with.

ZIZIPHORA AFF. PRZEWALSKII PRICE 1 @ \$6.50

Halda is quite taken with these little tea plants; they are easy, forming broad aromatic mats, aff. Przewalskii has soft foliage and according to Ender smells like pond scum with maybe just a hint of rancid Yak butter.

ZIZIPHORA AFF. TOMENTOSA JJH 970950CIMG3500M PRICE 1 @ \$6.50

Halda collections from 3500m, near Bolshoj Cimgan, Uzbekistan, from dolomitic rocks where it forms grayish green hairy mats with heads of lilac purple flowers, our resident Ziziphora expert says it smells like Pizza.

ZIZIPHORA PUSHKINII PRICE 1 @ \$6.50

Mojmir found this growing in the sandy gravelly soils of the Caucasus in the Elbrus region at 3200m compact woody based cushions with 10-20cm leafy stems bearing heads of pink flowers.

ZIZIPHORA SERAVSCHANICA HALDA PRICE 1 @ \$6.50

Ziziphora dyslexia, this is similar to bungeana but perhaps a bit more sprawling, Ender says it smells like peppermint, let's see pond scum tea or peppermint.

ZIZIPHORA SWERTZOVII Halda #209 PRICE 1 @ \$6.50

Halda's 1999 collections from hot dry rocks in the Hissar Range in Uzbekistan at 1800m Joseph considers this the best tea plant in Central Asia and don't forget the attractive low gray cushions topped with pink flowers.

SUMMER DORMANT PLANTS

Many plants go summer dormant, Cyclamen, Arums, Ranunculus, Trilliums and many of the other woodland plants, the list is rather extensive. You would be amazed at how many people think their plants have died when they only went dormant. We have had Garden Centers that should have known better; throw out flats of Cyclamen erroneously thinking they were dead. Just because the leaves turned yellow and the foliage disappeared does not necessarily mean the plant has died. Before you call and complain that something has died, please check and see if it is something that goes dormant or breaks growth at odd times

WOODLAND WILDFLOWERS

For quantity price breaks and important ordering instructions see page 4

Below find our offerings of eastern American woodlanders. We also offer a fantastic selection of Asian and European woodlanders in our main perennial section. If you are unfamiliar with the Asian species and need some help give us a call, we would be happy to help you choose. Note that the woodlanders marked with an * ship either early to mid march or summer dormant. Our main issue is shipping damage which is avoided by shipping dormant plants, early ship dates are not only good for the plants they reduce the chance we will run out of something.

If you are looking for larger quantities, please mail or fax us and ask for the large quantity wildflower and fern list

ACTEA PACHYPODA PRICE 1@ \$12.00
Cimicifuga bah humbug, that kind of taxonomy will get you cursed by the Bride of Chucky; complete with dead looking black centered white eyes. The fluffy white bottlebrush flowers are followed by evil looking poisonous fruits hence the name White Baneberry.

***APLECTRUM HYEMALE** PRICE 1@ \$12.00
Beautiful pleated foliage stays green all winter then the foliage dies down and the flowers arise before the new leaves. Once common in rich woods it was decimated by collecting for window putty. It forms a chain of connected bulbs and may be propagated by detaching back bulbs.

***ARISAEMA TRIPHYLLUM** PRICE 1@ \$8.00
Our native jack, hooded blossoms striped green or purple with a white spadix hidden inside followed by large clusters of conspicuous scarlet berries. They are being decimated in many areas by wild turkeys. These avian rototillers are starting to rival deer and bunnies in terms of garden damage.

ASARUM ARIFOLIUM PRICE 1@ \$8.00
One of the commonest evergreen native ginger, leaves have a distinctive arrowhead shape and may be either solid green or marked with silvery blotches. Flowers are curious brown jug-like things.

ASARUM CANADENSE PRICE 1@ \$8.00
Excellent carpeting plants for woodland gardens. Flowers are tubby maroon jugs concealed beneath the heart shaped deciduous leaves that rise 6" on silky petioles. Our native wild ginger is reputed to be an alternate food plant for the beautiful Pipevine Swallowtail.

ASARUM SHUTTLEWORTHII PRICE 1@ \$8.00
Another native ginger with beautiful glossy heart-shaped leaves often mottled and veined with silver, this is the plant that circulates in the trade as shuttleworth, reasonably large but variable flowers and a distinctly running habit, an excellent plant but slow to establish in the garden.

***CAULOPHYLLUM THALICTROIDES** PRICE 1@ \$8.00
Uncurling rue-like leaves glow with reddish purple, giving rise to clusters of yellow green flowers followed by glorious long lasting blue berries which are the main attraction and give rise to the common name Blue Cohosh.

CONVALLARIA MONTANA PRICE 1@ \$8.00
The American version of Lily Of The Valley, this runs forming tufts a couple feet away from the parent plant but unlike the common version is not a nuisance, indeed in the wild, it is rather rare. Fred said he seldom encounters it while searching for trilliums.

***CIMICIFUGA RACEMOSA** PRICE 1@ \$8.00
Bugbane, Leopards Bane, Wolfsbane, wishful thinking at best, but great in terms of ornamental value, Bugbane puts on an impressive display in the late summer woodland garden sending its spires of white to six feet or more, bugs remain unimpressed.

CLINTONIA BOREALIS PRICE 1@ \$8.00
Foliage could be mistaken for a small orchid, the umbels of yellowish green flowers are not extremely showy, but the blue berries that follow are quite attractive.

DICENTRA CANADENSIS PRICE 1@ \$8.00
An exquisite little woodlander, with attractive ferny foliage and pink tinged white flowers like a tiny Bleeding Heart; Squirrel Corn bulbs are naturally tiny like kernels of corn, but it can form wide colonies over time.

DICENTRA CUCULLARIA PRICE 1@ \$8.00
Almost identical to canadensis in foliage, the bulbs are much different and the fat white golden-throated flowers of cucullaria look like a tiny pair of white pants, not just any pants but Dutchman's breeches, it too can form extensive patches.

DIPHYLLEA CHYMOSA PRICE 1@ \$12.00
An unusual May Apple relative Umbrella Leaf, it sends up a pair of huge peltate leaves, with a cluster of showy white flowers on a 3' stem, if you like bold foliage effects this one is a must, its a favorite of Fred Case who has an amazingly huge clump in his garden. Those of you with a phytogeographic scheme can try combining it with Dysosma veitchii. Or it's Asian counterpart Diphyllea grayi.

DODECATHEON MEDIA PRICE 1@ \$8.00
Perhaps the easiest of all the shooting stars this loves a wet spot (don't we all), the showy heads of pendant cyclamen like flowers are perfect with it's candelabra primula cousins.

***EPIGEA REPENS** PRICE 1@ \$19.00
Trailing ericaceous woody mat-former with evergreen leathery leaves and deliciously fragrant pink and white bells; its not as difficult as reputed, but takes care to establish. Even the well-rooted clumps we ship are very slow to establish a new root system after being transplanted. Plant them on an acid partly shaded site and be very careful not to let them dry to a crisp the first summer, it is fatal. Once established they endure most everything. To get a feel for how long it takes them to establish pot up a clump and watch how long it takes the roots to circle and fill the pot. If you have smelled them in the spring, you know they are worth any amount of effort.

ERYTHRONIUM AMERICANUM PRICE 1@ \$8.00
Our common native species, it forms huge colonies of speckled leaves often with few flowers, flat rocks and superphosphate helps.

***GALAX APHYLLA** PRICE 1@ \$15.00
Creamy white flowers on slender racemes and shiny heart shaped leaves that are often used in Christmas decorations. The leathery leaves sit on long petioles and make a wonderful groundcover for under Rhododendrons; this can form large colonies rather quickly under the right conditions, but needs a shady acid site, foliage is much like Shortia, its much easier to please but not as elegant.

***GAULTHERIA PROCUMBENS** PRICE 1@ \$12.00
An evergreen creeper for acid soils, this was once the source of wintergreen flavoring, indeed the aromatic red berries are quite tasty (if only they were juicy) and persist for months, sometimes even being present along with the white urn shaped flowers. It is slow to establish but quite easy once you get it going.

GILLENIA TRIFOLIATA PRICE 1@ \$8.00
This unassuming plant features 1" white flowers freely produced on 3' bushy plants. One author has proposed Bowman's Root as a much better alternative to Gaura lindheimeri.

GOODYEREA PUBESCENS PRICE 1@ \$8.00
Beautifully netted and mottled with white the leaves are more ornamental than the small white orchid flowers. Rattlesnake Plantain is a good terrarium plant and relatively easy in the garden, although it has nothing to do with rattlesnakes or plantain.

HEPATICA ACUTILOBA PRICE 1@ \$8.00
This Hepatica forms much stronger clumps than H. americana. The leaves have sharp three pointed lobes and the white, pale blue, or pink flowers are more numerous than those of americana. This prefers a more neutral to alkaline soil than H. americana, and here in Michigan it is a much rarer plant.

HEPATICA AMERICANA PRICE 1@ \$8.00
One of my favorite woodlanders, often growing in great abundance on slopes, flower color ranges from blue to pink and white, rich colored form are highly sought after, foliage too can be variable and many plants show excellent mottling on the leaves.

HYDRASTIS CANADENSE PRICE 1@ \$8.00
Goldenseal is probably more popular for its reputation as a medicinal than for its ornamental value. Still the umbrella like leaves and crimson berries are not without garden merit.

JEFFERSONIA DIPHYLLEA PRICE 1@ \$12.00
A choice plant with 1" wide pure white flowers, named for Thomas Jefferson Twinleaf is one of the finest native American plants and has a distinctive quality all its own. I wish the arabiopsis folks would double the petals which should make the flowers longer lasting. The only other species in the genus, Jeffersonia dubia, is found in Japan.

LILIUM SUPERBUM TURKS CAP LILY SEE THE BULB SECTION

***MERTENSIA VIRGINICA** PRICE 1@ \$8.00
Virginia blue Bells are prized for their display of lovely sky blue flowers in the spring, very beautiful when massed in a shady spot; an easy plant (unlike the western alpine species) that belongs in every garden.

***MITCHELLA REPENS** PRICE 1@ \$12.00
An elegant ground cover with flat sprays of dark glossy evergreen leaves with pairs of sweet white flowers like a long-tubed Jasmine followed by scarlet berries, Partridge Berry is a very aristocratic plant that is never weedy. Mitchellia ranks as one of the best ground covers for shade, just the thing to plant under your pear tree.

***PODOPHYLLUM PELTATUM** PRICE 1@ \$8.00
Large umbrella-like leaves have a lush opulent beauty, almost hiding the large waxy white flowers, and fruits that make a tasty jelly, get them before the chipmunks! People are starting to cross our native May Apple with some of the Asian Dysosma species with spectacular results.

POLYGONATUM BIFLORUM PRICE 1@ \$12.00
Graceful arching sprays & small hanging clusters of creamy white bells in the leaf axils followed by greenish berries. Polygonatum is a much more diverse genus in Asia and we offer many of the Asian counterparts in the main perennial section, they mix well in the garden.

***SANGUINARIA CANADENSIS** PRICE 1@ \$8.00
Lovely blue gray leaves daintily lobed and scalloped with large flowers of transparent opalescent white, like the ghost of some huge anemone on 6 to 9" stems. Besides the famous fully double form, Bloodroot often has light pink or extra petaled forms, as well and plants with heavily dissected leaves.

ASIAN BLOODROOT See Eomecon chionantha

SAURURUS CERNUUS See the perennial list

SMILACINA RACEMOSA PRICE 1@ \$8.00
Husky woodland plants of considerable beauty, the arching stems of False Solomon's Seal carry fluffy white flowers in plume like terminal racemes followed by berries like vitrified drops of bright blood in autumn. Smilacina too has some Asian counterparts, which are great garden plants.

STYLOPHORUM DIPHYLLUM PRICE 1@ \$8.00
Large mounds of handsome deeply cut leaves; with 2" single yellow poppies on delicate stems produced in succession throughout the summer, unlike its Asian counterpart diphyllum is not weedy.

TIPULARIA DISCOLOR PRICE 1@ \$12.00
A curious little orchid, flowers are strange and are said to resemble Crane Flies, (those long legged flying things that look like giant mosquitoes, Ender is one of the few people I know who actually calls them Crane flies). As to the orchid, it grows from a bulbous root a bit like Aplectrum with similar foliar vicissitudes. They are rather cute, and among the easiest of the orchids we grow.

***TRILLIUM CATESBAEI** PRICE 1@ \$15.00
A small species with nodding flowers, we grow a mix of pink and the rarer alpine white forms, in general it is slow to clump up however I have seen large clumps in the case garden.

***TRILLIUM CUNEATUM 'SESSILE OF HORT'** PRICE 1@ \$12.00
Toad Shade, I love the name; I just wish my toads would use them. Large mottled leaves with red flowers in the axil. Flowers are not as sweet as luteum but who cares, a must for every collection. Cuneatum has been widely sold under the name sessile for years.

***TRILLIUM CUNEATUM DARK FORMS** PRICE 1@ \$19.00

Seed grown from selected dark forms from our garden, most of these have flowered and were very nice, dark flowers with excellent leaf markings.

***TRILLIUM ERECTUM** PRICE 1@ \$12.00

A wide ranging eastern species typically with maroon red flowers on a stem above the leaves, it forms stunning hybrids with flexipes and indeed is so precocious with other plants in it's section that it can be hard to find a completely pure strain. According to Fred, red forms are more common at higher elevations.

***TRILLIUM ERECTUM LUTEUM** PRICE 1@ \$12.00

A showy cream to yellow strain of Trillium erectum, generally with some hybrids mixed in. our plants are not pure although as the flower we do try to sort them out. Most are creamy with rich yellows showing up every now and then.

***TRILLIUM FLEXIPES** PRICE 1@ \$12.00

Nodding, white, sweet scented flowers are the attraction here. They prefer a somewhat neutral to alkaline soil and nod to varying degrees with northern forms often carrying their flowers below the leaves. The name apparently refers to the knee like bend at the top of the pedicel. Ovaries are typically white with pink streaks

***TRILLIUM GRANDIFLORUM** PRICE 1@ \$12.00

It's a weed here but a glorious one, the huge white flowers fade to pink as they age; good pink forms and doubles are legendary. At least some of the pinks seem to breed true from seed, doubles are another matter but they are starting to tissue culture some of them. I you wish to search for doubles look at the end of the season, the doubles tend to bloom later and hold their petals longer than the singles, making them stand out at a considerable distance.

***TRILLIUM LUTEUM** PRICE 1@ \$12.00

A large yellow trillium similar to Trillium cuneatum but with large sweet smelling yellow flowers sitting in the center of the mottled leaves, Luteum and cuneatum will hybridize and to confuse the matter further there are yellow forms of cuneatum and red forms of luteum. Luteum has a lemon scent, while cuneatum is more like Calycanthus, and some of the hybrids have a wonderful apple scent. It is restricted to a rather narrow range near the North Carolina Tennessee border but is very adaptable to gardens outside its range.

***TRILLIUM RECURVATUM** PRICE 1@ \$12.00

Small, maroon red, reflexed petals, a very unusual trillium, and almost impossible to misidentify, Prairie Trillium seems to prefer clay floodplain soils or rich woods over limestone. It is easy and long lived in the garden.

***TRILLIUM STYLOSUM** PRICE 1@ \$15.00

Little miniature undulatum these came to us as stylosum, which they are probably not, pusillum seems closer to it, although after a while you begin to wonder if any pure trilliums other than grandiflorum exist in cultivation.

TRILLIUM STAMINEUM PRICE 1@ \$19.00

A fantastic and rarely offered species found mostly along the border between Alabama and Mississippi, a member of the sessile group but with the petals flattened horizontal and twisted like a propeller. (unlike the author who is just plain twisted), the stamens are large and erect and eye-catching, not to mention nose catching with a strong carrion scent.

***TRILLIUM VIRIDESCENS** PRICE 1@ \$12.00

An unusual western sessile species from the Missouri Okalahoma border regions, flowers tend to be bicolored with a dark purple base shading to green at the top. Solid blackish purple and pure green forms also occur; it has proven easy and long-lived for us (the Europeans have a hard time with it)

***TRILLIUM VASEYI** PRICE 1@ \$15.00

These are nearly pure vaseyi although a bit of hybrid influence does creep in; the huge flowers are dark maroon purple and tend to be held beneath the large rhombic leaves

UVULARIA GRANDIFLORA PRICE 1@ \$8.00

The perfoliate leaves glabrous above pubescent beneath, the dangling 5 cm bright yellow flowers are very showy and the plants naturalize well, Bellwort is perfect mixed with Polygonatum and Disporum in a woodland setting.

NOTES AND LETTERS

All season long we get cards and letters from friends and customers, not to mention emails with some great attached photos, some are just chit chat and gossip others are information about plants, some have questions they want answered. We read them all and save many of them for years. (Except for the crazy bitch letters form hell which probably need the services of an exorcist to dispose of properly and may have been written by Linda Blair's evil twin.) As for the rest, many of them contain priceless information and anecdotes. Some require the services of the NSA to decode them. What good are domestic spies if they refuse to do a bit of moonlight translation of cryptic handwriting? To almost all of you who took the time to write and never received a response we sincerely apologize. I simply do not have time to write letters or respond to emails, nor any inclination to respond to the 1% from the twilight zone. If you have questions and call in the evening after we are in from the greenhouses, I will do my best to answer them. In the summer, we generally do not get dinner until 9 or 10. I give better answers after I have had something to eat.

GIANT POKEWEED

Excuse me did you know that there is a giant Pokeweed in your front garden? Now it is true some of our gardens get a bit weedy at times but did you really think we would miss an eight-foot tall weed covered in pendant clusters of purple berries. Its my garden and if I want to grow a big ass weed that the birds poop everywhere leaving indelible stains that is my right. Besides pokeweed is great, you can have lotteries to guess the day it collapses under its own weight. True it attracts birds, which may carry West Nile or bird flu, but so what I still like it. And now after watching the looting in New Orleans and Toledo I have an innovative solution, grind up a bunch of Pokeberries spray them on the looting crowds; later the police can simply arrest the purple people. Other dyes would work equally well perhaps better but this started out with disparaging remarks about my pokeweed

SUMMER DORMANT PLANTS

Many plants go summer dormant, Cyclamen, Arums, Ranunculus, Trilliums and many of the other woodland plants, the list is rather extensive. You would be amazed at how many people think their plants have died when they only went dormant. We have had Garden Centers that should have known better; throw out flats of Cyclamen erroneously thinking they were dead. Just because the leaves turned yellow and the foliage disappeared does not necessarily mean the plant has died. Before you call and complain that something has died, please check and see if it is something that goes dormant or breaks growth at odd times

SEED SOURCES

You may want to check out the following seed suppliers you can reach them at the addresses below:

Archibalds: 'Bryn Collen' Ffosstrasol, Llandysul, Dyfed, SA44 5SB Wales UK

Euroseed: P.O. Box 95, 741 0, Novy, Jicin, Czech Republic

Joseph Hald: P.O. Box 110, 501 01 Hradec Kralove 2, Czech Republic

Alpains: 32315 Pine Crest CT, Kiowa Co, 80117

R.M.R.P.: 1706 Deerpath Rd, Franktown, CO. 80116

FERNS

For quantity price breaks and important ordering instructions see page 4

WE ARE PLEASED TO BE ABLE TO OFFER A FINE LIST OF HARDY FERNS

Ferns are wonderful for the shaded woodland garden, blending gentle textures and forms in a green tapestry with little need of gaudy colors; they are the perfect foil for trilliums and native orchids. Some species will provide something green where little else stands a chance of growing due to low light levels and adverse moisture conditions. Essential for shady waterfall gardens and shaded rock gardens, ferns provide graceful fillers and accents all over the garden. They impart a sense of calm to the landscape and intrigue us as their fiddleheads unfurl. Despite their delicate appearance, ferns are tough and adaptable plants, most species are easy to grow as long as their wants are understood. They haven't survived for as long as they have without being quite adaptable. With a bit of help from Dr Storer we finally got around to upgrading our rather pathetic fern listing, the new additions are either spore grown, or tissue cultured, primarily from Mickel's collection but also from Judith Jones and other well-known fern growers.

If you are looking for larger quantities, please mail or fax us and ask for the large quantity wildflower and fern list

ADIANTUM CAPILLUS VERNUS MICHIGAN FORM PRICE -\$15.00

Betty Blake distributed this years ago, it is from a Michigan collection and hardy in zone 5, most forms of southern maidenhair are not, it does not appear to be a hybrid, and is absolutely lovely.

ADIANTUM CAPILLUS VERNUS V BANKSIANA PRICE -\$15.00

Adiantum capillus vernus banksianus Also known as black maidenhair, a neat little maidenhair a bit larger than the Michigan form.

***ADIANTUM PEDATUM MAIDEN HAIR FERN** PRICE 1@ \$8.00

One of the most delicate and graceful ferns they increase slowly and seldom need restraint, indeed I can't imagine having too many of them. The fronds magically unfurl atop their shiny black stems to reveal a swirl of unmatched loveliness. A must for every garden, it prefers a little lime but will tolerate a wide range of soils.

ASPLENUM PLATYNEURON EBONY SPLEENWORTPRICE 1@ \$8.00

Compact and graceful ferns of exquisite proportion, they lace cliffs with delicate wiry stems set with small leaflets, the easiest Spleenwort.

ATHYRIUM ANGUSTATUM F. RUBELLUM 'LADY IN RED'PRICE 1@ \$19.00

A fantastic selection of the northern form of Lady Fern, which creeps more than the southern Athyrium filix-femina, this selection features incredible red stems, we have anxiously awaited its release for the last couple of years from tissue culture and finally they are available.

ATHYRIUM FILIX-FEMINA FRIZALIAE X RED STEM PRICE 1@ \$15.00

Athyrium felix femina frizzillae tating fern has been around for a while; this strange fern was found by Mrs. Frizzle in Ireland way back in 1857. These are actually crosses with red stemmed lady fern, they are somewhat crested and are stunning in a carved out rotting log woodland trough .

***ATHYRIUM FILIX-FEMINA LADY FERN** PRICE 1@ 8.00

This popular fern is among the loveliest medium tall species. It advances rather rapidly showing off its extremely attractive new growth often with striking red stems. It prefers rather moist shade.

ATHYRIUM NIPONICUM PICTUM DWARF PRICE 1@ \$19.00

The ever-popular Japanese Painted Fern, well known for the elegant blending of silver and red-purple in the fronds. Among the general public this is probably the most in demand fern here at the nursery. These are spore grown with some fantastic color forms, color is somewhat dependant upon light levels; it will tolerate a surprising amount of sun. This strain seems to be a true genetic dwarf.

CYSTOPTERIS BULBIFERA PRICE 1@ \$19.00

Bulblet bladder fern, this native fern is often seen on limestone in the northeast and mid west but does not demand it, it is fairly easy in cultivation and propagates by means of the bulblets on the lower surface of the 1.5'-3' arching fronds.

DIPLAZIUM (ATHYRIUM) PYCNOCARPON GLADE FERN PRICE 1@ \$12.00

A largely tropical genus of 400 species closely related to Athyrium, Diplazium pycnocarpon is one of the few temperate species native to moist woodlands in the eastern United States. It is also commonly known as Narrow Leafed Spleenwort or Tennessee Ostrich fern, elegant narrow once pinnate fronds can reach 3 1/2' if happy, an attractive fern that spreads slowly and is generally easy to cultivate.

DRYOPTERIS AFFINUS CRISTATA PRICE 1@ \$19.00

Crested form of the Golden Scaled Male Fern, with a name like that it should evoke some kind of imagery, fronds are broadly crested at the tips of the pinnae, it's a large and attractive fern that runs 2' to 4' depending on site, it's erect fronds are the perfect companion for the insatiable Athyrium felix-femina 'Vernoniae Cristatum'

***DRYOPTERIS CARTHUSIANA (SPINULOSA) TOOTHED WOOD** 1@ \$8.00

Similar to Leather Wood but with more finely toothed and dissected leaves. I prefer it to Leather Wood but both make fine, carefree garden plants, and are great for general landscape use.

DRYOPTERIS CYCADINA PRICE 1@ \$19.00

Known as the Shaggy Shield Fern it does have a bit of a Cycad look to it. The masses of black scales on the frond stems make this widespread semi evergreen Asian species distinct and easy to identify in the garden.

***DRYOPTERIS FILIX MAS MALE FERN** PRICE 1@ \$8.00

Got Lady Ferns? Perhaps they're lonely? I bet they would like a few Male Ferns to show off for. This widespread and variable fern is a classic and is circumpolar in distribution, and almost too well known to need description. Plants grow 2-3 feet tall, and are almost evergreen and provide striking accent when placed near a fallen log or stump.

DRYOPTERIS FILIX-MAS 'BARNESII' PRICE 1@ \$15.00

A magnificent stiffly erect variety the slender fronds stand 3' high but are only 4" wide, giving it a distinctive silhouette in the landscape

DRYOPTERIS FILIX-MAS 'CRISTATA MARTINSDALE' PRICE 1@ \$19.00

A selected form of the above, with small crests and a slight upward curve to the frond apex ending in a pronounced terminal crest; Martinsdale is considered by many to be among the best of the crested forms. These are from tissue culture and very uniform.

***DRYOPTERIS MARGINALIS LEATHER WOOD FERN** 1@ \$8.00

The most evergreen of our native Dryopteris, easily identified by the sori that sit on the pinnule margins, with handsome leathery glaucous green fronds, it prefers deep rocky pockets of leaf mould, but it will endure some dryness. A good choice for cut fronds it is the epitome of what most people want in a fern. I love the crowns in early spring before the crosiers start to unfurl, sitting there in an inward pointing ring of teeth, surrounded by the outward pointing spokes of last years stems (sensors to warn of approaching prey), the creature at the bottom of Jabba's sand pit comes to mind.

DRYOPTERIS TOKYOENSISPRICE 1@ \$19.00

A favorite of Mickel's with stiffly erect narrow fronds, slow to increase with a neat refined look. .

DRYOPTERIS X REMOTAPRICE 1@ \$19.00

A rare naturally occurring hybrid between D. affinus x D. expansa, remota is impressive looking with a shaggy golden-scaled stipe and delicately cut blade, its intermediate between the parents and fertile, and will spore around if happy.

***OSMUNDA CINNAMONEA CINNAMON FERN**PRICE 1@ \$8.00

A large species that prefers to dangle its toes in the water, growing to over 6' tall and occasionally as much as 10'; mass plantings have an almost prehistoric nature, just the thing for landscaping Komodo dragon pens.

***OSMUNDA REGALIS ROYAL FERN**PRICE 1@ \$8.00

Stately 3' - 5' plants, it likes moist shady places and even waterlogged sites but dislikes alkaline soils, fertile fronds are cinnamon brown hence the name, stunning en-masse.

OSMUNDA REGALIS VAR SPECTABILISPRICE 1@ \$19.00

An American form of this widespread species, with thinner more widely spaced segments than in var. regalis, it's also shorter.

***POLYPODY VIRGINIANUM**PRICE 1@ \$8.00

At its best growing on rotting moss covered logs, or rocks, we have them in a woodland trough with trilliums, Shortia, and Cyrtopodium, and they are outstanding.

***POLYSTICHUM ACROSTICHOIDES CHRISTMAS FERN**PRICE 1@ \$8.00

Perhaps the best fern for growing amongst flowers, the leathery brilliant evergreen fronds and neat upright rosettes, 12" tall are a favorite of mine. Sturdy but non-invasive it prefers alkaline soil but does well on rock and sand.

POLYSTICHUM SETIFERUM 'PLUMOSOMULTILOBUM'Price 1@ \$19.00

The perfect landscape fern for the shady side of your local nuclear power plant. You would be hard pressed to find a more mutant looking fern. The bizarre three-dimensional layered fronds are strange as hell; you need this. It is my current favorite fern and better still it propagates by frond cuttings if you are patient (play a little Gun's and Roses, kick back and whistle along)

POLYSTICHUM SETIFERUM 'ROTUNDATUM CRISTATUM'Price 1@ \$19.00

A strong growing upright selection with magnificent ram's-head cresting at the ends of the fronds and bulbils scattered along the rachis. Setiferum has long been one of my favorite ferns and this is the best crested-form of setiferum I've seen to date.

THELYPTERIS NOVEBORACENSISPRICE 1@ \$12.00

New York Fern, An easy but somewhat invasive fern that deer seem to leave alone, it is pretty in a naturalized setting .

THELYPTERIS PHEGopterisPRICE 1@ \$12.00

Northern beech fern is one of my favorites with elegant fronds and a well behaved nature it grows on moist, calcareous cliff crevices or moist banks in rich, damp forest floors; also found on floodplain sites. A circumborial species common near Lake Superior .

MINOR BULBS

For quantity price breaks and important ordering instructions see page 4

Well, actually as I think about it not just minor bulbs but all kinds of bulbs; (are the others major bulbs? I never really gave it much thought), it's a diverse listing whatever you call them. The bulbs we offer are almost all seed raised here at the nursery. It is a very slow business; they often take years just to germinate. In most cases, we have grown them for three or four years before we offer them and they still may be relatively small; even though many may have flowered. Most are rarely offered species with a special charm lacking in the commercial hybrids; and many are extremely rare in the wild. Occasionally this is due to over-collecting, but probably not as often as some of the alarmists would have you believe. More often, the problem is human pressure; land development, overgrazing, clear-cutting, and agriculture take a much heavier toll. Whatever the reasons for the decline of wild populations, growing and preserving them in gardens may help insure they never become extinct. Please do not confuse them with the cheap hybrids sold by the mass marketers. Our bulbs are seed raised, and since relatively few viruses are seed transmitted, they are very disease free. Many of the imported bulbs carry all kinds of virus. I bought some cheap Lily bulbs once and ended up trashing many plants in my collection. Been there - killed that, now I'm more careful, the original plants did not die, but they transmitted their ills to many more sensitive plants. There is another advantage to seed raised bulbs, each is genetically different; from a conservation standpoint it is important to maintain the diversity of wild populations; and from a gardeners standpoint the subtle variations of form and color, and possibility of discovering a uniquely different new cultivar is what makes growing seed raised bulbs so interesting. A good analogy is the difference between buying an original oil painting as opposed to a piece of black velvet with Elvis silk screened on it. This year we have set up a new bulb house that will be open for retail early since many of these things bloom very early.

ALBUCA CANADENSIS PRICE 1 @ \$6.50
Despite the name its from South Africa not Canada, oops Linnaeus, 20 to 40cm, edible bulbs, flowers greenish yellow and rather showy in early spring.

ALBUCA SHAWII PRICE 1 @ \$6.50
A rare and lovely bulbous thing from the Drakensburg, with succulent leaves that exude a sweet scent when stroked, (I know it seems kinky) and bright yellow flowers with green stripes and an almond scent.

ALLIUM BEESIANUM PRICE 1 @ \$6.50
Deep blue, nodding umbels of bell-shaped flowers, very desirable, this Chinese species is one of the finest rock garden alliums.

ALLIUM MAXIMOWICZII ALBA PRICE 1 @ \$6.50
18"; dense umbels of white flowers in late summer, endemic to alpine meadows on Honshu.

ALLIUM SIKKIMENSE V. SIKKIMENSE PRICE 1 @ \$6.50
10" nodding umbels of large blue flowers allied to beesianum, a choice; seldom-available rock garden plant.

ALLIUM THUNBERGII ALBA PRICE 1 @ \$6.50
Lovely snow white flowers in fall, Hammer brought us these and as near as we can tell they are indeed thunbergii, however the plants are twice the size of 'Ozawa'.

ALLIUM THUNBERGII 'OZAWA' PRICE 1 @ \$6.50
The last to bloom, ours are still in flower (it's December) showy pink heads on 6" stems atop grassy tufts of delicate foliage, an outstanding plant.

ALOPHIA DRUMMONDII PRICE 1 @ \$6.50
Native to the southern U.S. and southward it can form large patches on prairie sites, very showy and well worth growing in warmer areas of the country, a bulb house plant in the north.

ALOPHIA (HERBERTIA) LAHUE PRICE 1 @ \$6.50
Lavender blue Iris-like flowers with a darker splotch at the base, considered the best of the genus; from Chile and Argentina to Texas also known under Eustylis, Trifurcia or Herbertia.

ALOPHIA LAHUE BCW 4407 PRICE 1 @ \$6.50
As above but from a wild collection.

AMMOCHARIS CORANICA PRICE 1 @ \$12.00
A rare South African member of the Amaryllidaceae with umbels of fragrant pinkish flowers atop 35 cm scapes, these are seed raised from H&H stock.

AMARYLLIS 'RILANA' PRICE 1 @ \$8.00
Propagated by a former employee, Flowers are huge and red. We've got a bunch of them and I can't bring myself to dump them so we might as well sell a few.

AMORPHOPHALUS RIVIERI KOJAC MEDIUM 1 @ \$19.00, SMALL 1 @ \$8.00
A huge aroid, leaf stems as big as your arm with intricate snakelike markings topped with tropical looking foliage, huge purplish flowers with the wonderful aroma of rotting meat, hardy here only with extreme protection, its best to dig the bulbs. We offer two bulb sizes.

ANOMATHECA CRUENTA ALBA PRICE 1 @ \$6.50
Like a tiny 6" tall Gladiolus like plant (it has also been placed in freesia at one time) with showy white flowers, its proven hardy here and will naturalize. It is even cute enough for a trough.

ANOMATHECA GRANDIFLORA PRICE 1 @ \$6.50
Tall to 50cm with large red flowers, it's much more tender than laxa.

ANTHERICUM BOETICUM PRICE 1 @ \$8.00
Very similar to liliago, the smallest of the European species reaching only 15cm, flowers white with a maroon stripe; Spain and Portugal.

ANTHERICUM LILIAGO PRICE 1 @ \$8.00
St. Bernard's Lily, (not really a dog), grassy leaves, many 2" starry white flowers on 18" stems, very attractive when used in mass plantings.

ANTHERICUM RAMOSUM PRICE 1 @ \$8.00
Tufts of grassy leaves festooned with branching stems of starry white flowers.

ANTHERICUM UNDLATUM PRICE 1 @ \$8.00
Rosettes of long undulate margined leaves and starry white flowers held well above the foliage

ASPHODELINE LUTEA PRICE 1 @ \$8.00
Kings Spear, lily family; dense 3' racemes of fragrant yellow flowers in May.

ASPHODELUS AESTIVAS (MICROCARPUS) PRICE 1 @ \$12.00
Probably the showiest sp., spikes of white flowers with a central vein 4cm across.

ASPHODELUS ALBUS PRICE 1 @ \$12.00
Tuberous Mediterranean species, rosette of slender leaves; 3' spikes of white flowers.

ASPHODELUS RAMOSUS PRICE 1 @ \$12.00
Rosettes of grass-like foliage, evergreen in mild areas; 4' spikes of white flowers.

BELLEVALIA DUBIA PRICE 1 @ \$6.50
Flowers are Muscari-like, blue-violet in bud becoming greenish, Portugal to Turkey.

BELLEVALIA ROMANA (HYACINTHUS ROMANUS) PRICE 1 @ \$6.50
A loose raceme of creamy white flowers, plants are native from France to Yugoslavia.

BELLEVALIA SP. PRICE 1 @ \$6.50
A grape hyacinth like mystery bulb, with clusters of blue flowers on short stems, this one is in need of a name.

BLOOMERIA CROCEA PRICE 1 @ \$6.50
Golden star like flowers, from April to June, California.

BRIMUREA AMETHYSTINUS PRICE 1 @ \$6.50
A Hyacinth from the Pyrenees with paired bracts at the base of each flower stalk.

BRIMUREA AMETHYSTINUS ALBA PRICE 1 @ \$6.50
A white version of the above.

BRODIAEA CALIFORNICA WAYNE RODRICK PRICE 1 @ \$6.50
One of the showiest species with umbels of a dozen or so bluish purple flowers atop 70cm scapes, these are from a Wayne Rodrick collection.

CHLOROGALUM POMERIDIUM V MINUS PRICE 1 @ \$6.50
Ratko's collections of a dwarf form of this seldom encountered bulb branched inflorescences bear numerous 1 1/2" starry white flowers above grassy tufts of foliage, these are restricted to serpentine in the wild and will tolerate some shade.

COLCHICUM 'ATTLEE' PRICE 1 @ \$8.00
Bright pinkish purple flowers this is one of my favorite cultivars, very free blooming

COLCHICUM CORSICUM PRICE 1 @ \$8.00
A dwarf late summer blooming Corsican endemic, it is similar to the more common European Colchicum alpinum, but with shorter broader leaves.

COLCHICUM PUSILLUM PRICE 1 @ \$12.00
A dwarf species from rocky hillsides in Greece and Cyprus with 1-6 white to pale rosy lilac flowers in autumn.

COLCHICUM SPECIOSUM PRICE 1 @ \$6.50
The parent of most of the hybrids these are probably not pure wild type.

COOPERIA HERBERTIANA PRICE 1 @ \$6.50
Yet another of those confusing bulbs, as if there weren't enough already, I believe this is now lumped into Zephyranthes.

CRINUM X POWLII VAR ALBUM PRICE 1 @ \$19.00
One of the hardest crinums, a hybrid between Crinum bulbispermum x Crinum moorei, 1.5m scapes bear umbels of fragrant white Amaryllis flowers.

CROCOSMIA HYBRIDS 'GEORGE DAVISON' PRICE 1 @ \$6.50
Named for the British-born scientist George Davidson His first hybrid called 'George Davison' won RHS Award of Merit 1902 and was of Lemoine parentage. This is an outstanding yellow crocosmia and a good companion for Lucifer.

CROCUS BIFLORUS SSP MELANTHORUS PRICE 1 @ \$6.50
An autumn flowering species from southern Greece, yellow throated Flowers flecked with white and feathered grayish purple on the exterior, with damson purple to black anthers.

CROCUS CHRYSANTHA BLUE BIRD PRICE 1 @ \$6.50
Pleasantly fragrant the Outside petals are violet-blue with a white margin, interior is pure white. The almost silvery gloss and contrasting deep golden stamens make for a unique combination

CROCUS CHRYSANTHUS ZWANENBURG BRONZE PRICE 1 @ \$6.50
Fragrant, yellow, goblet-shaped flowers with bronze markings on the outer petals in February and March and slender, strap-shaped, dull green leaves. These handsome, early spring-flowering crocuses are ideal for a sunny, rock garden.

CROCUS FLAVUS PRICE 1 @ \$6.50
Widespread from the Balkans to Turkey, this naturalizes well in the garden, yellow flowered obviously, fragrant flowers in spring.

CROCUS KOTSCHYANUS PRICE 1 @ \$6.50
Turkey and nearby, veined lilac flowers, late summer to autumn blooming.

CROCUS KOTSCHYANUS KOTSCHYANUS PRICE 1 @ \$6.50
This is the easiest of the several subspecies, Turkish origins.

CROCUS KOTSCHYANUS VAR LEUCOPHARYNX PRICE 1 @ \$6.50
Fall flowering, bluish lavender flowers with blue veins and a white central zone, no yellow markings.

CROCUS LAEVIGATUS PRICE 1@ \$6.50
Greece and Crete, autumn flowers of lilac to white, externally buff sometimes striped with darker shades.

CROCUS PULCHELLUS ZEPHYR PRICE 1@ \$6.50
Easy, and one of the most attractive of the autumn flowering species; veined blue flowers with an orange yellow throat; Yugoslavia to Turkey.

CROCUS SIEBERI VIOLET QUEEN PRICE 1@ \$6.50
Greece and Crete, autumn flowers of lilac to white, externally buff sometimes striped with darker shades.

CROCUS TOMMASINIANUS WHITEWALL PURPLE PRICE 1@ \$6.50
An old cultivated clone it remains one of the best, purple mauve exterior, silvery mauve within.

CROCUS VERNUS PRICE 1@ \$6.50
The prototype spring crocus, this subspecies occurs from Italy eastwards (they have now lumped heufflianus here as well), purple flowered; its the parent of most of the Dutch hybrids.

CROCUS VERNUS ALBIFLORUS PRICE 1@ \$6.50
An outstanding spring crocus with large white flowers.

CROCUS HEUFFLEANUS PRICE 1@ \$6.50
Minor variations on a theme see the above.

CROCUS VERNUS HYB

CYCLAMEN

A fantastic genus that unfortunately suffers from a tender houseplant image, causing many gardeners to dismiss them. Coum and hederifolium should be hardy almost anywhere in the U.S., and there are a large number of other species that will succeed if given a bit of extra protection. Cyclamen thrive in dry shade but will tolerate nearly full sun. We urge you to check out the Grey-Wilson Cyclamen book, whatever you may think of the author's ecopolitics the book is excellent. Arrowhead is probably the largest grower of species Cyclamen in the U.S. and the quality of our offerings is second to none. Most of what we offer is flowering size with leaf patterns that are incredible. Please note if you order Cyclamen for spring shipment they will be going dormant at shipping time, they are NOT dying. Cyclamen are intolerant of dry storage so plant them, do not remove the bulbs and store them dry.

CYCLAMEN COUM PRICE 1@ \$8.00
Extremely hardy popular species produces its pink-reflexed blooms in spring, often flowering through the snow, try a big drift of these in your spring woodland garden, one glimpse and you will be captivated.

CYCLAMEN COUM SSP. CAUCASICUM PRICE 1@ \$15.00
Mojmir's collections from the Caucasus, with rather heart shaped leaves, longer petal lobes and a pair of pink eyes below the blotch.

CYCLAMEN COUM MARBLED LEAF AFF. E.A. BOWLES 471 PRICE 1@ \$8.00
Reversions out of Pewter leaf, which was a Kath Dryden, cross between Coum Nymans and Coum E.A. Bowles 471. These fit the description of Bowles 471; vigorous plants with a green Christmas tree mark in the center of the leaf surrounded by silvery marbled overlay and with a dark green picotee edge. Call them what you will they are very nice.

CYCLAMEN COUM MAURICE DRYDEN PRICE 1@ \$8.00
A Kath Dryden Pewter Leaf selection, named for her husband; basically it is a white flowered pewter leaf, flowers are white with a red throat, leaves are silver with a green picotee edge. An outstanding plant that comes quite true from seed. See the Cyclamen book by Chris Gray-Wilson for much greater detail.

CYCLAMEN COUM PEWTER LEAF PRICE 1@ \$8.00
Originating from the Kath Dryden cross, mentioned above, these have solid pewter colored leaves with little or no green in them; a most outstanding cyclamen form.

CYCLAMEN COUM SILVER LEAF PRICE 1@ \$8.00
These have been re-selected from pewter leaf for a more silvery color, the differences are subtle but quite evident when you see a flat of each side by side; spectacular plants.

CYCLAMEN HEDERIFOLIUM (NEAPOLITANUM) PRICE 1@ \$8.00
Ferociously floriferous; the clumps of marbled foliage can spread to nearly 2' wide, radiating from flattened bulbs the size of dinner plates and producing delicate pink flowers in such numbers as not to be believed from late summer until early winter. They possess the amplitude and grace of a florist Cyclamen and a tuberous tenacity that rivals Kudzu.

CYCLAMEN HEDERIFOLIUM F. ALBUM WHITE W PINK NOSE ... PRICE 1@ \$19.00
Pure white flowers with a pink nose, and who can resist a pink nose?

CYCLAMEN HEDERIFOLIUM PURE SILVER LEAF PRICE 1@ \$19.00
Seedlings from Brigitta's hand picked collection from Ashwoods, Archibalds and others, the strain probably originated with Bowles Apollo. The parents rival anything seen on the European show benches, these are absolutely stunning, basically solid silver with just a few green marks. The metallic Silver leaves are simply unreal they look spray painted. If anyone could ever breed a Hosta that looked like this it would sell for a hundred grand.

CYCLAMEN HEDERIFOLIUM SILVER LEAF WITH MARKINGS PRICE 1@ \$15.00
As above but the leaves have some cool green patterning on the silver background

CYCLAMEN HEDERIFOLIUM WHITE CLOUD PRICE 1@ \$19.00
Our selections from white flowered intensely silver plants, these will rival anything you will see on the European show benches.

CYCLAMEN PURPURESCENS PRICE 1@ \$15.00
Similar to hederifolium it is not as good a grower for us, flowers are generally fragrant although some people apparently can't smell them, it does not seed around for us.

CYRTANTHUS ELATUS (VELLOTA) PRICE 1@ \$12.00
All of these came from Warren Stoutmeyer but the labeling was a bit on the cryptic side, I suspect this is a separate clone from the above.

CYRTANTHUS ELATUS VAR CUELLOTA PRICE 1@ \$12.00
The taxonomy of this group is a mess having been moved back and forth between several genera, suffice it to say this is one of the best species a bit more pink than sanguineus.

CYRTANTHUS SANGUINEUS KOOPOWITZ PRICE 1@ \$12.00
These also came from Warren, who I assume got them from someone named Koopowitz, as I can find no reference to this as a clonal name

CYRTANTHUS SANGUINEUS X VELLOTTII PRICE 1@ \$12.00
A red flowered amaryllis like plant from south africa, growing a foot or so high with multitudes of large red flowers.

CYRTANTHUS SANGUINEUS X ELATA PRICE 1@ \$12.00
Sanguineus crossed to elata one of the most beautiful species in the genus Previously known as Vallota speciosa aka as George Lily, or Scarborough lily, it clumps up quickly and should be regularly divided.

DICHELOSTEMMA MULTIFLORUM PRICE 1@ \$6.50
A western American bulb also known as brodia multiflorum, clustered umbels of purplish flowers with inflated perianth tubes atop 20-80cm stems.

DIETES IRIDIOIDES PRICE 1@ \$6.50
There are six species of Dietes, Iridioides ranges from 6500' in the Drakensburg northward. Flowers resemble a Japanese Iris, flat with white petals with yellow nectar guides and a purple center, check out some of the photos on the web. If you see it, you will want it.

FERRARIA CRISPA PRICE 1@ \$8.00
Incredible iridaceous plant from South Africa, the undulate tan flowers are spotted and streaked with deep chestnut, it's hard to describe; you need to see it.

FRITILLARIA ACMOPETALA PRICE 1@ \$6.50
Native to Asia Minor, related to meleagris; hardy 12-14"; with up to 3 pendulous flowers; soft green outer petals and red brown inner petals with reflexed tips.

FRITILLARIA BUCCHARICA PRICE 1@ \$6.50
Native to northeastern Afghanistan and the Pamirs, horizontal to pendulous racemes of 4-7 off white flowers with greenish veins, its more difficult than the Mediterranean species for us but easier than the western ones.

FRITILLARIA CRASSIFOLIA PRICE 1@ \$6.50
Low growing thick textured leaves almost lily like with tubby pendant yellow flowers.

FRITILLARIA GRAECA PRICE 1@ \$6.50
A complex and variable species; flowers are green and red with a wonderful carrion fragrance, graeca is a good species for beginners.

FRITILLARIA GRAECA GUSSICHAIE PRICE 1@ \$6.50
I guess now its just Frit gussichiae, native from Greece to Yugoslavia, flowers are green with reddish brown shading but not tessellated, with that irresistible spermatoc scent. I wonder what kind of pollinator its trying to attract.

FRITILLARIA MONTANA PRICE 1@ \$6.50
European species with maroon checkered bells that are quite attractive.

FRITILLARIA PONTICA PRICE 1@ \$6.50
Dwarfer than the tall Lesbos form, it retains the enticing spermatoc scent but lacks the Lesbos touch of tessellation.

FRITILLARIA THUNBERGII PRICE 1@ \$6.50
A tall species to 80cm, from the bamboo forests in central China with 2-6 white flowers veined green or tessellated, widely cultivated for medicinal purposes in Japan and China.

GEISSORRHIZA FULVA PRICE 1@ \$6.50
Starry yellow flowers on 6" stems, a cute little South African Irid related to Hesperantha.

GLADIOLUS CARNEUS PRICE 1@ \$6.50
Variable species usually 30-40cm tall sometimes more, flowers in a range of colors usually with a contrasting horseshoe on the three lower petals.

GLADIOLUS CARYOPHYLLACEUS PRICE 1@ \$6.50
Stout 2' stems carry scented pink funnel shaped flowers marked red on the lower lobe, South Africa.

GLADIOLUS BYZANTINUS PRICE 1@ \$6.50
Found wild on low mountain slopes in many parts of the Mediterranean region leaves basal and sword-like, flowers appear in early summer purple red to rosy pink, several on each slender 20" stem, hardy if planted deep and mulched.

GLADIOLUS GEARDII PRICE 1@ \$8.00
Also known as Gladiolus robustus, this South African species is hardy here, flowers are large and pink and extremely showy.

GLADIOLUS HYB ATOM PRICE 1@ \$8.00
A large flowered hardy Glad that Dick brought us a few years ago, very showy but a bit slow to multiply.

GLADIOLUS OCHROLEUCUS PRICE 1@ \$6.50
South Africa 18-30" stems; funnel-shaped veined flowers in a wide range of colors, its evergreen in mild climates.

GLADIOLUS PALUSTRIS PRICE 1@ \$6.50
Central Europe in wet meadows; it's 12-18" tall with 4 - 6 magenta flowers in summer.

GLADIOLUS TRISTIS PRICE 1@ \$6.50
Almost hardy, unusual rush like leaves to 3' one-sided spikes of 4-5 yellow white tubular fragrant flowers South Africa.

GYNANDIRIS SETIFOLIA PRICE 1@ \$6.50
Once included in Iris, attractive alpine house or bulb frame plants, 6" pale blue to lilac and yellow flowers.

HABRANTHUS ANDERSONII PRICE 1@ \$6.50
Flowers 2-4cm coppery red in bud opening yellow from Argentina and Chile.

HABRANTHUS ANDERSONII CUPREUS PRICE 1@ \$6.50
Aptly named, aureus is golden yellow even in bud.

HABRANTHUS ROBUSTUS PRICE 1@ \$6.50
Brazilian species pale rose pink with a greenish base, often confused with all the rest.

HERMODACTYLIS TUBEROSUS PRICE 1@ \$8.00
Snakes Head Iris, strangely beautiful with apple green and velvety black iris-like flowers, it's a monotypic species from the Med. region and a favorite of mine.

HESPERANTHA BAURII (MOSSII) PRICE 1@ \$6.50
Bright pink flowers on 20cm stems from the summer rainfall area of the cape at altitudes to 2000m, dormant in N. hemisphere winters.

HIPPAESTRUM DWARF MIX PRICE 1@ \$8.00
A mix of dwarf forms quite unlike the huge monstrosities generally encountered.

HIPPAESTRUM SP.? 3594 PRICE 1@ \$8.00
Another dwarf form, these are from seed exchange seed.

HIPPAESTRUM SP.? BCW 5038 PRICE 1 @ \$8.00
From a John Watson collection, these look like they are going to be small and I would expect tender, treat them like a miniature amaryllis.

HYACINTHELLA AZUREA (MUSCARI AZUREA) PRICE 1 @ \$6.50
Its a small Grape Hyacinth-like plant from Turkey, with flaring campanulate bells.

HYACINTHUS AMETHYSTINUS**SEE BRIMUREA AMETHYSTINUS**

HYACINTHUS HISPANICA ROSEA PRICE 1 @ \$6.50
Close to Non-Scripta but more robust with erect and more open flowers, hybrids between the two are common, and many named forms exist.

HYACINTHUS (HYACINTHOIDES)(ENDYMION) NON-SCRIPTUS 1 @ \$6.50
Bluebells, well-known woodland colonizer, an excellent plant, see the photo in Rix, bulbs.

HYACINTHUS TABRIZIANUS PRICE 1 @ \$8.00
A fantastic dwarf species endemic to the region around Tabriz in Iran, 5mm wide leaves and a tiny spike of 4mm white flowers that shade to blue at the tips, this elfin gem is perfect for a trough or bulb frame.

HYMENOCALLIS AFF. LIRIOSOME PRICE 1 @ \$8.00
An eastern American bulb in the Amaryllidaceae that looks a bit like *Pancratium*, its commonly known as a Spider Lily. We wouldn't be surprised if these turn out to be coronaria or occidentalis when they finally flower. The genus name translates to beautiful membrane, as in the thing virgins often mysteriously lack. The snowy white yellow-throated flowers are extremely fragrant and can reach 20cm across; they are hardy quite far north with protection.

HYMENOCALLIS LITTORALIS PRICE 1 @ \$8.00
Enough erotica, this has all the exciting attributes of the previous, but magnified to almost twice the size, it's native to Central and South America and tender.

IPHEION UNIFLORA ALBA PRICE 1 @ \$6.50
South American but surprisingly hardy growing in temperate Argentina, this has been a Brodia and Tritelia at one time or another the confusion dates to antiquity, stary 4cm fls open in sun.

IPHEION UNIFLORA 'PINK FORM' PRICE 1 @ \$6.50
An apparently unnamed pink form courtesy of Marion, much rarer in cultivation than the blue forms.

IPHEION 'ROLF FIELDLER' PRICE 1 @ \$6.50
A gift several years ago from Marion Jarvie, we grow this in a cold greenhouse and it puts on quite a display with big clear blue flowers. There are about ten species of Ipheion, although uniflora seems to be the only one in general cultivation, and Rolf Fieldler is either a selection or hybrid of it.

IXIA POLYSTACHYA PRICE 1 @ \$6.50
Ixia polystachya is found on flats, hills and mountain slopes over a wide range of the northwest and southwest Cape. It has pink, mauve, bluish, or white flowers, often, but not always with a dark center.

LACHENALIA FISTULOSA PRICE 1 @ \$6.50
Spotted leaves and light yellow flowers with darker tips .

LACHENALIA ORCHOIDES PRICE 1 @ \$6.50
Leaves may be spotted or not, flowers strongly fragrant multicolored with subtle shadings that are hard to describe.

LACHENALIA PUSTULATA BLUE PRICE 1 @ \$6.50
Strange pustule like warts on the leaves, this is an odd little bulb from the Cape, creamy yellow campanulate flowers on 1' stems.

LEUCOJUM AESTIVUM PRICE 1 @ \$6.50
Commonly known as Summer Snowflake an English native related to *Galanthus*, bell shaped milky flowers tipped in green, it is moisture tolerant and great for naturalizing

LEUCOJUM AUTUMNALE PRICE 1 @ \$6.50
Fall flowering as you would expect, leaves appear after the flowers 1-3 white flowers with a pink tinge on 6" stems.

LEUCOJUM NIACENSIS PRICE 1 @ \$6.50
Similar to the above but spring blooming narrow leaves appear with the white flowers from the coast of France and very rare in the wild.

LEUCOJUM ROSEUM PRICE 1 @ \$6.50
Like a smaller more delicate autumnale with pink flowers, it looks cute in a trough.

SPECIES LILIES

We have been slowly amassing quite a collection of species Lilies, , all are seed grown and should be free of some of the virus problems that plague many of the cheap imports. Seed grown Lilies grow on quickly once planted out, and usually flower within a year or two of planting, although some slow species can take up to seven years. Bulb sizes may look small but some of these species just naturally have small bulbs. Checking the collection date should help you gauge bulb size, some flower for us first year from seed in the greenhouse.

LILIAM AFF HENREYI VAR ROSTHORNII EX CHINA PRICE 1 @ \$15.00
These came in wild collected out of China and are first generation seedlings grown isolated, they appear to be rosthornii which is variously listed as a form of henreyi, or a species in it's own right, very large orange flowers with spots and fleshy protruding warts, absolutely spectacular!

LILIAM AFF. REGALE 03 CH 299 PRICE 1 @ \$15.00
Big white trumpets Hans from Shady Oaks collected them in China in 2003.

LILIAM CANADENSE PRICE 1 @ \$8.00
The northern counterpart of superbum, I find it more difficult and inferior in terms of general garden use but still worth growing if you are a breeder or collector.

LILIAM DAVIDII WILMONTTIAE PRICE 1 @ \$15.00
China, the stoloniferous bulbs are grown for food in its native range, var. wilmontii has up to 100 flowers on stems that can reach 2.2m. Flowers are bright orange Turk's caps.

LILIAM LANCIFOLIUMPRICE 1 @ \$8.00
If one more customer confuses Tiger Lilies with Daylilies, we are going to bury them up to their neck in the compost pile. It is likely that these are the only virus free Tiger Lilies you will ever see, as near as I can tell everything in cultivation is infested with one or in most cases several viruses to which it is largely immune but will spread Typhoid Mary fashion to other lilies in your collection. (Most of the commercial Dutch lilies also harbor viruses so don't panic about lancifolium). These are seed grown, not raised from stem bulbils, which is a big culprit in the spread of viruses (seed being inherently virus free). If tiger lily abstinence is not for you then do the right thing and practice safe lily sex.

LILIAM LANCIFOLIUM 'FLORE PLENO'PRICE 1 @ \$12.00
This has been in cultivation since the 17th century propagated vegetatively via stem bulbils so it probably harbors one or more symptomless lily viruses. I am wary of these old cultivars, although some have been meristemmed and cleaned up. It is still safe to grow but you may want to keep it isolated from your species lily collection or adopt a regular spray program to control vectors. Recreating it via backcrossing should result in virus free plants, if anyone does so let us know.

LILIAM MICHIGANENSEPRICE 1 @ \$12.00
Always a favorite, we grew these from seed a few years ago, these are the typical form; we really should propagate a few of the variants (a blatant hint to Fred and Tony)

LILIAM SUPERBUMPRICE 1 @ \$12.00
Large 6-8' pagoda of downward facing orange Lilies, with reflexed and spotted petals, up to 40 to a stem; it is similar to *Lilium martagon*. Please do not confuse this wonderful plant with those ugly orange wild daylilies.

LILIAM ASIATIC HYB MIXEDPRICE 1 @ \$6.50
These are mixed seed grown forms that we raised from named parents. A nice color range, virus free these are easy and extremely showy.

LILIAM ASIATIC HYB 'SPACIOUS LIVING'PRICE 1 @ \$6.50
Large yellow flowers without spots.

LILIAM CHARLIE KROELL'S HYBRIDS GREEN NECTARIES PRICE 1 @ \$19.00
Multiple clones from Charlie's breeding program with green nectaries, most have some henreyi in their background. Exotic looking and quite different from anything you are likely to encounter in your local garden center, Charlie has deemed them unworthy of a name however they are a fantastic value. The bulbs are flowering size or nearly so and in my estimation, nearly every one is good enough to name, especially when compared to some of the crappy stuff in the trade. If you are looking for a one of a kind lily for your garden this is it.

LILIAM CHARLIE KROELL'S HYBRIDS DARK NECTARIES PRICE 1 @ \$19.00
Like the green nectaries but dark these are my favorites

LYCORIS **SEE PERENNIAL SECTION**

MONTBRETIA SECURIGERAPRICE 1 @ \$6.50
An obscure orange flowered thing, Montbretias are now mostly *Crocasmias* but securigera is virtually unknown by any name.

MOREA EDULUS (FUGAX) PRICE 1 @ \$6.50
Showy South African Irid; 12-50cm, ephemeral flowers strongly scented, yellow or blue, corms edible and reportedly pleasant tasting; once an important food source for early Cape settlers. Moreas are among the showiest of Cape bulbs and deserve a place in the garden of every bulb enthusiast.

MUSCARI ARMENAICUM 'ARGAEI ALBUM'PRICE 1 @ \$6.50
Spikes of pure white flowers, it's a little smaller than the species.

MUSCARI AUCHERI PRICE 1 @ \$6.50
An outstanding species from Turkey, the Iranian tubergenianum is often considered a form of this with azure blue flowers shading paler or white on the lobes.

MUSCARI BOTRYOIDES ALBA PRICE 1 @ \$6.50
Just in case you prefer white grapes.

MUSCARI BOTRYOIDES HELDRICHIIPRICE 1 @ \$6.50
This does not appear to differ significantly from plain botryoides.

MUSCARI BOURGAEIPRICE 1 @ \$6.50
Western Turkey at alpine levels, deep violet blue obovoid flowers with white teeth.

MUSCARI COMOSUMPRICE 1 @ \$6.50
Strange looking with a tassel of frilly sterile flowers sitting atop the normal flower scape, the finger in a light socket effect wins it a place in our gardens.

MUSCARI NEGLECTUMPRICE 1 @ \$6.50
It's hardly neglected, the prototype and most widely grown Grape Hyacinth.

MUSCARI PALLENSPRICE 1 @ \$6.50
An intriguing species from the Caucasus, flowers are pale blue to nearly white, quite attractive and seldom offered.

MUSCARI SZOVITSIANUM PRICE 1 @ \$6.50
I believe this has now been lumped into armenaicum, which it is clearly related to.

MUSCARI TUBERGENIANUMPRICE 1 @ \$6.50
Rare Iranian species, the pure sky blue flowers are probably the best in the genus, related to and sometimes included in *M. aucheri*.

NARCISSUS ASSOANUSPRICE 1 @ \$8.00
A cute dwarf species native to France and Spain, Blanchard places it in section *Jonquillae*, however the AGS Encyclopedia considers it to have affinities to *Cyclamineus*. Long known as *Narcissus juncifolius*, it was for a time considered part of *requienii* and now hails to *assoanus*; it thrives in dryish alkaline soils and is easy as a pan plant in the alpine house.

NARCISSUS BULBODIUMPRICE 1 @ \$6.50
The hoop petticoat, fat bells with a tiny corona, my favorite species *Narcissus* as you might deduce from the following list, some are very rare in the wild all are seed raised

NARCISSUS BULBODIUM EUROSEED #228APRICE 1 @ \$8.00
Wild form from seed collected by mojmir, these are mostly dwarfish with large flowers, the bulbocodium tyoes have done well for us both in a cold greenhouse and in the open garden.

NARCISSUS BULBODIUM CITRINUSPRICE 1 @ \$6.50
Generally plants with pale yellow flowers, the situation is complex check out Blanchard if you are interested in the gory details.

NARCISSUS BULB. BULBODIUM CONSPICUUSPRICE 1 @ \$6.50
Narcissus bulbocodium citrinus is often considered a pale flowered form of this. but true *citrinus* is shorter than *conspicuous*.

NARCISSUS BULB. BULBODIUM FILIFOLIUSPRICE 1 @ \$6.50
Thready foliage, its similar to *tenuifolius*.

NARCISSUS BULB. BULBOCODIUM NIVALIS PRICE 1 @ \$6.50
Large flowers to 3.6cm across, tepals with green tips, Morocco, lives up to its name.

NARCISSUS BULB. BULBOCODIUM OBESUS PRICE 1 @ \$6.50
Fat flowers, to 3.4 cm one of the most attractive forms, Atlas Mts.

NARCISSUS BULB. BULBOCODIUM TENUIFOLIUS PRICE 1 @ \$6.50
Dwarf form with very slender foliage, flowers similar to the type.

NARCISSUS BULBOCODIUM VAR. PALLIDUS ARCH696.600 PRICE 1 @ \$15.00
An excellent form from Jim and Jenny Archibald, flowers are very large and lighter in color than the typical bulbocodium

NARCISSUS CANTABRICUS VAR. FOLIOSUS Ex Archibald PRICE 1 @ \$15.00
Seedlings from an Archibald collection of this rare Moroccan endemic, these represent some of the finest Narcissus we have ever grown, colors range from yellow to near white, huge petunia flowers, winter blooming and best in an alpine house.

NARCISSUS CAVANILLESII ARCHIBALD699.951 PRICE 1 @ \$15.00
A rather tender fall blooming species native to southern Spain and Morocco, formerly known as Tapeinanthus humilis, flowers are stary and upward facing, this is a unique plant and no Narcissus collection should be without it,

NARCISSUS CORDUBENSIS PRICE 1 @ \$15.00
a member of the cyclanineus group taxonomically close to ferdanessii, this 8" tall spanish species has charming yellow flowers and is not common in cultivation.

NARCISSUS FERNANDESII Ex Archibald PRICE 1 @ \$8.00
These are actually from a Blanchard collection in the Tagus drainage that may produce some interesting variations; with Blanchard and Archibald origins, these are your best chance to acquire the real thing.

NARCISSUS JONQUILLA PRICE 1 @ \$6.50
The prototype daffodil, it looks pretty much as you would expect.

NARCISSUS MINOR PRICE 1 @ \$15.00
A small thing from Spain and the Pyrenees, poorly known in the wild, I read Blanchard and end up more confused than ever, to call Narcissus taxonomically complex is an understatement

NARCISSUS NEVADENSIS
Sierra Nevada, a trumpet daffodil, and parent of some of the garden hybrids.

NARCISSUS NEVADENSIS Ex Archibald PRICE 1 @ \$15.00
An isolated and very local Sierra Nevada endemic, Jim and Jenny collected it from a wet, west facing slope in the upper Rio Monachil valley at 2,200m. It is known from only one small colony, it is widespread in cultivation but very endangered in the wild, attempts should be made to keep these stocks pure. Distinct from all but longispathus with its bicolor white and pale yellow flowers 2-4 to a stem, its much easier to grow than longispathus.

NARCISSUS OBVALLARIS Ex Archibald EX WALES PRICE 1 @ \$15.00
A rare plant in the wild but easy and excellent in the garden, there is some question as to whether it is actually an ancient escape and not really native to Wales. Flowers are similar in color to N. hispanicus, this is the real thing wild collected not far from Jim and Jenny's home.

NARCISSUS REQUIENII PRICE 1 @ \$8.00
Wild collections by Holubec, this is apparently now lumped into Narcissus assoanus (see above), by any name an excellent plant.

NARCISSUS ROMIEUXII EX 'JULIA JANE' SELFED PRICE 1 @ \$15.00
Seedlings from 'Julia Jane', an extreme petunioides like plant with yellow flowers that is named after Archibalds daughter, the parent is probably the finest romieuxii in cultivation.

NARCISSUS ROMIEUXII HYB PRICE 1 @ \$6.50
Similar to bulbocodium but with broader more open bell of creamy sulfur yellow, with exerted stamens, romieuxii is one of the best species.

NARCISSUS ROMIEUXII MESATLANTICUS PRICE 1 @ \$6.50
A tall, pale yellow form of romieuxii from N. Africa, its always a favorite here but with few well defined morphological characters it probably should be lumped.

NARCISSUS ROMIEUXII SSP ROMIEUXII V RIFANIS PRICE 1 @ \$8.00
This is the form from the Rif Mountains of Morocco, where it grows in cedar woods on limestone, shorter than the typical form; flowers are generally pale in color.

NARCISSUS RUPICOLA PRICE 1 @ \$6.50
Broad petaled flat flowers with a small central trumpet,-cute if you like the yellow happy face look, Spain.

NARCISSUS SCABERULUS PRICE 1 @ \$15.00
One of the tiniest Narcissus scaberulus is endemic to a small region of the upper Mondego Valley in Portugal, it is generally regarded as one of the ancestral species. The 18mm flowers are produced on short scapes of one to five blossoms.

NARCISSUS X 'NYLON' PRICE 1 @ \$8.00
Really more of a grex than a clone (actually its more of a plastic but a cut above those cheesy plastic spring bulbs that you see in full bloom 12 months of the year.) In cultivation it is represented by numerous similar forms. It originated as a cross between Narcissus romieuxii and Narcissus cantabricus var. foliosus made by Blanchard's father. Several including 'Taffeta' were named and the balance sent to Alec Gray who went on to distribute multiple clones under the name 'Nylon'. As you might guess from the parents and the breeder, it is excellent.

NARCISSUS EX 'TAFFETA' PRICE 1 @ \$8.00
A named selection from the 'Nylon' grex selected by Blanchard's father 'Taffeta' resembles a good white cantabricus these are seedlings from taffeta, and excellent plants.

NECTAROSCORDUM SICULUM PRICE 1 @ \$6.50
Allium relative commonly known as Honey Garlic with pendant flowers rather larger than most Alliums, Europe.

ORNITHOGALUM ARCUATUM PRICE 1 @ \$8.00
Native to Iraq this has not been a weed at least so far, rather large white flowers

ORNITHOGALUM EXSCAPUM PRICE 1 @ \$6.50
A Mediterranean species, it's similar to sibthorpii with 3cm white flowers on short stems.

ORNITHOGALUM SCHLECTERIANUM PRICE 1 @ \$6.50
South African, twisted delicate stems and white stary flowers.

OXALIS SEE **PERENNIAL SECTION**

PANCRATIUM MARITIMUM PRICE 1 @ \$12.00
A weird mutant white Daffodil looking thing with extremely fragrant flowers on 18" stems, cool plants similar to Hymenocallis, native to S. Europe

POLYXENA CORYMBOSAPRICE 1 @ \$6.50
From the winter rainfall regions of the Cape, small Scilla-like bulbs produce of a half dozen 2cm violet purple flowers in late autumn. We suspect that this is actually Polyxena longituba. "One time at band camp" ... no wait that was a flute ... "what's my name bitch".

ROMULEA AUTUMNALISPRICE 1 @ \$6.50
This is the fall blooming one, bright pink flowers very showy.

ROMULEA BULBOCODIUMPRICE 1 @ \$6.50
Crocus-like species from the Mediterranean; violet flowers, one of the hardier species.

ROMULEA BULBOCODIUM LEICHTLINIANAPRICE 1 @ \$6.50
Crocus-like like bulb, flowers white with a yellow center from purple buds,

ROMULEA BULBOCODIUM VERNUMPRICE 1 @ \$6.50
Crocus-like species from the Mediterranean; violet flowers, one of the hardier species flowering in spring.

ROMULEA MACOWANIIPRICE 1 @ \$6.50
A summer rainfall species from the eastern Cape with long tubed golden yellow flowers at ground level, it may continue to bloom into the fall with autumnalis.

ROMULEA PRATENSISPRICE 1 @ \$6.50
There are about 95 species of Romulea; this is the rare and obscure one that no one bothers to describe, possibly introduced to the Romulans from Vulcan.

ROMULEA ROSEAPRICE 1 @ \$6.50
A showy pink flowered species from the cape that naturalizes well.

ROMULEA SALDANHENSISPRICE 1 @ \$6.50
Crocus like with glossy deep yellow flowers streaked yellow in the throat.

SCILLA AUTUMNALISPRICE 1 @ \$6.50
A delicate little fall flowering plant, native to dry grassy places in Europe and flowering before the leaves appear.

SCILLA CAMPANULATA MIXEDPRICE 1 @ \$6.50
Apparently conspecific with hyacinthoides hispanica.

SCILLA NON SCRIPTAPRICE 1 @ \$6.50
See hyacinthoides non scripta = Scilla non scripta for description

SCILLA MORRISII ARCH 875.605PRICE 1 @ \$15.00
A local Cyprian endemic inhabiting moist shaded crevices and banks under oaks, in the Paphos district at 700m, 10cm scapes bear 3-5 milky white flowers tinged lilac with pale blue anthers. This truly rare and beautiful bulb is virtually unobtainable through conventional sources.

SCILLA PERUVIANAPRICE 1 @ \$12.00
Despite the name (Lineaus thought it came from Peru) it's not from Peru but the Mediterranean regions, 20-100 stary violet blue flowers on foot high stems.

SPARAXIS BULBIFERAPRICE 1 @ \$6.50
Iridaceous species from South Africa with 15-50cm scapes of creamy flowers very different from the commercial Sparaxis most gardeners are familiar with.

SPARAXIS SP. MIXPRICE 1 @ \$6.50
A mix we grew from seed exchange seed, very gaudy.

STERNBERGIA LUTEAPRICE 1 @ \$12.00
Sternbergia lutea is the most often grown of the fall blooming species, found in Europe and Asia. In Italy it occurs usually in stony soils, in open areas. It is still rather common in rural areas, along country roads

TRITELLIA LAXAPRICE 1 @ \$8.00
Commonly known as Ithuriel's Spear (way too many biblical references for me but apparently just the thing if you are plagued with satanic toads, Pipa pipa perhaps); or if you prefer Grassnut. It is supposed to be delicious both raw and cooked, umbels of blue flowers atop 30cm stems, this Brodia-like bulb is native to the West Coast.

TRITELLIA PEDUNCULARIS RATKO 95-500PRICE 1 @ \$12.00
An impressive species native to the inner north costal ranges, flowers are similar to laxa but white with violet tints individual perianths are 4-6" long forming starburst inflorescences up to 10" wide atop two foot stems, in the wild it is often found on vernal moist serpentine gravel flats that line the dry watercourses.

TULBAGHIA COMISSIIPRICE 1 @ \$6.50
Flowers to almost 2cm wide, six glistening white petal lobes spread flat the stamen tips forming a purplish pink eye; flowering in autumn and very fragrant after dark it was described in 1957 from the Eastern Cape.

TULBAGHIA NATALENSISPRICE 1 @ \$6.50
18" tall with sweet scented violet blue flowers, from South Africa, probably safest in the alpine house. We have not yet tried them outside but with South African stuff you never know, some prove completely hardy others turn to mush.

TULBAGHIA VIOLACAEAPRICE 1 @ \$6.50
Umbels of sweet scented flowers atop 60cm stems, this is commonly known as society garlic and presumably is edible, although I cannot personally attest to the fact (Here at Arrowhead we are just not the society types)

ZANTEDESCHIA AETHIOPICA CROWBOURGH FORMPRICE 1 @ \$12.00
Pure white Calla these are supposedly the hardest type. Here is a post from one of the aroid forums ---thought I would inform Calla Lily lovers in cold climates of a species/form that will grow where winters can be cold. I live outside of Buffalo, NY (zone 6) and planted Z. aetheopica 'Crowborough' form. It survived the winter of 2006/07 and is beginning to put on good healthy vigorous growth. I was very casual about protecting it as our winter began extremely mild. That changed in the middle of January, however it still survived! We get snow cover that acts as insulation. I bought it from Arrowhead Alpines. It has not bloomed yet, but possibly this summer.

ZANTEDESCHIA 'BLACK FOREST'PRICE 1 @ \$12.00
Schwarzwalder calla-lily (also known as 'Black Forest') produces silky, burgundy-black blooms, up to 7 per plant. The calla-lily--both exotic and dramatic, the epitome of grace in cut flower arrangements and just striking in beds, borders and containers. Grow them in sun or partial shade, starting them in pots indoors for summer flowering. All native to South Africa, they are tender north of Zone 9 and should be dug in fall and stored over winter in a frost-free location.

ZEPHYRANTHES CITRINAPRICE 1 @ \$6.50
A dwarf with scapes only reaching 13cm and bearing bright yellow 2" flowers.

ZEPHYRANTHES DRUMMONDIIPRICE 1 @ \$6.50
A fragrant night blooming species from Texas, like many night bloomers flowers are white, up to 7.5cm long, with a tinge of red, big sphinx moths should find it irresistible.

ZEPHYRANTHES GRANDIFLORA PRICE 1 @ \$6.50
Rain Lily, open-faced bright pink flowers; great container plants, they bloom after each rain all summer long.

ZEPHYRANTHES 'LA BUFA ROSEA' PRICE 1 @ \$6.50
Whats with the rosy toad? Very light pink nearly white flowers in summer, this was found by Yucca Do and is considered to be an intergeneric cross between Cooperia and Zephyranthes.

ZEPHYRANTHES MACROSIPHON PRICE 1 @ \$6.50
A large pink flowered Mexican species somewhat similar to grandiflora but a bit smaller, give it plenty of water.

ZEPHYRANTHES REGINAE PRICE 1 @ \$6.50
Zephyranthes reginae is native to Mexico. It has moderate sized light yellow flowers. Like *Z. citrina*, it does not offset much, but a large colony of them can be built up quickly because of the abundant, possibly apomictic, seed production.

ZEPHYRANTHES VERECUNDA PRICE 1 @ \$6.50
A reasonably hardy white to pinkish species from Northern Mexico, like the others it tends to flower sporadically after summer rains.

ZIGADENUS ELEGANS PRICE 1 @ \$8.00
White Camas, native over much of the Western U.S., bulbous to 3' thriving in rich moist sites, keeled leaves, grow in clumps and sprout racemes of greenish white flowers; much harder than the following.

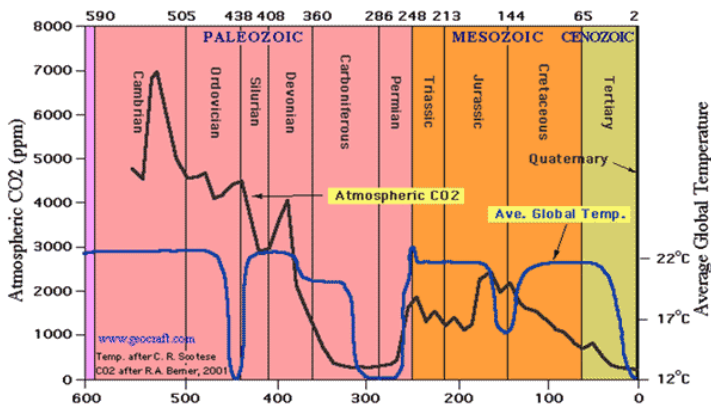
ZIGADENUS FREMONTII PRICE 1 @ \$8.00
Bulbous species in the Lily family with fairly showy creamy white flowers it has a sinister reputation as a poisonous plant. We have not seen any carcasses of garden vermin around the base of the plants, although a few less deer and bunnies wouldn't break my heart.

BULK BARE ROOT PRICING

We also have a supplemental Fern and Wildflower list with bulk bare root pricing, not everything is available but for many of the common things this is a great deal. Whether you want 25 or 2,500 we can fix you up. If you are interested, please drop us a note or fax your request to 517-223-8750. You can also phone us at 517-223-3581 however; we are often easier to reach via fax.

GLOBAL WARMING

Take a look at the chart below, it is fair to assume given the fact that earth is nearly as cool as it has ever been it is likely to get warmer. It will do that with or without human intervention. Note the rapid rises and falls in the past. Unless the trilobites were driving around in cars I'd say that burning fossil fuels was not involved. What caused the various dips is too complex to go into here, suffice it to say they tend to be linked to asteroid falls and big volcanic events. Some may just be due to the variable nature of our sun. Note also the 22degree C stable upper point. This is probably due to an albedo equilibrium with temperature and total cloud cover. The one little overshoot point at the beginning of the Triassic is probably due to temperatures rising so quickly that the icecaps did not have time to melt. The point here is that earth runs on it's own long climate cycles. Moreover do you honestly believe anyone can accurately computer model a system this complex? These people cannot get next weeks weather right much less next centuries. The models mostly just reflect the bias of the people building the model. Giving Gore the nobel prize for this kind of crap is a joke.



WHOLESALE:

WHY CAN'T I FIND THIS COOL STUFF AT MY LOCAL GARDEN CENTER?

Well it turns out that you can... maybe. We wholesale to a number of upscale garden centers across the country. Have you noticed that every garden center seems to carry the same 300 hum plants? Its because they all buy from the same handful of wholesale sources. Many of the better establishments would happily carry some new and different things but are unable to because they lack a source, you can help remedy this problem. We will also contract grow items that we do not normally produce in large numbers, however some things will never be available wholesale due to production difficulties and long lead times. If you need a quote on a catalog item, call us. If you have a favorite garden center in your area that does not carry our

plants give us their name and we will send them our wholesale list, or talk to them and have them give us a call. We can help them stand out from the crowd. Don't forget to include the account number of your Caiman Islands or Swiss bank accounts so we can properly thank you- © you can trust us ... really. Seriously, though we would love to know who, in your opinion, are the best nurseries and garden centers in your area and I'm sure they will reward you handsomely (or not) for turning them on to such a great new source of plant material. And hey, if things turn out great you might find yourself with an invitation to one of our legendary open house/ parties.

ARROWHEAD ALPINES

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BUTTERFLY GARDENING

People that come to Arrowhead are often amazed at how many butterflies and moths we have. Everyone wants lots of butterflies in the garden but so often fails to attract them because they just do not go about it correctly. With just a bit of planning you can have a garden full of butterflies. First and foremost you need to lose the pesticides, if you are constantly spraying it is a fair bet you will have few butterflies, Bt's are even worse. It has gotten so bad that in some areas it is difficult to raise caterpillars indoors without them being infected with *Bacillus thuringensis* or some other pathogen that was released to control gypsy moth. Most people plan a butterfly garden and start by planting a bunch of nectar plants. This is the wrong way to approach it, you want to first decide what butterflies you want to attract. Make a list of their foodplants and plant plenty of food plants. Larva are eating machines and the majority of them detest crowding. most people simply do not plant enough food to support a viable population. Another problem with the nectar plant approach is that the published lists include many plants that are simply not pollinated by butterflies. Plant drifts of *Buddlea*, both *dauidii* and *alternifolia*. Plant anything with a flower made up a cluster of many small long tubed florets, besides *Buddlea*, things like *Phlox*, *Verbena*, *Lantana*, *Daphne*, *Syringa*, *Liatris*. These things evolved to be pollinated by butterflies. White flowers with long nectar tubes are often polenated by sphinx moths.

Predation takes it's toll on caterpillars, on average if a hundred eggs are laid only 2 survive to reproduce. You can improve this number greatly by rearing larvae in protected net sleeves (be sure to check carefully for spiders and stinkbugs before closing the sleeve) or inside in jars. If inside do not crowd them and change the food frequently. Moldy jars are deadly. Let them pupate and when the adults hatch release them.

To get you started here is a short list of recommended butterflies and moths along with their food plants.

Luna Moth	Walnut, Hickory, Sweet Gum
Cecropia Moth.....	Box Elder Cherry
Willow	
Polyphemus Moth	Oak, Birch
Promethia Moth.....	Sassafras, Spicebush
Buttonbush	
Tiger Swallowtail.....	Cherry, Magnolia
Zebra Swallowtail.....	Pawpaw Only
Spicebush Swallowtail	Spicebush, Sassafras
Black Swallowtail	Parsley Dill And Other
Umbelliferae	
Giant Swallowtail.....	Citrus, Prickley Ash,
Dictamnus	
Monarch	Milkweeds A. tuberosa
And A. Incarnata	
Viceroy & Red Spotted Purple	Willows And Poplars
Painted Lady	Thistles
Milberts Tortise Shell	Stinging Nettle
Zebra Longwing	Passion Flowers
True Fritillaries	Violets
Gulf Fritillary.....	Passion Flowers
Baltimore Checkerspot.....	Chelone
Morning Cloak.....	Willows

DON'T FORGET TO VISIT

ARROWHEADALPINES.COM & ARROWHEAD-ALPINES.COM

A final note, from the author, I am stuck with the task of writing this thing, neither Brigitta, nor anyone else is responsible for its content. If this catalog offends you, (and I probably have offended everyone at one time or another) blame it on me Please direct your complaints to Bob, (It won't do any more good than writing government officials but we may get a good laugh from it.), or better still just get a life.

