SUPPLEMENT TO OUR SEPTEMBER LIST

This short additional list is intended to update and amend our main list sent out in September, 1992. If you have not received the main list or have mislaid it or passed it on, please ask for a copy and use it in conjunction with this supplement. Since we issued the main list in September, a lot of additional seed has come to hand and, of course, some items in the earlier list are now sold-out, especially in the case of Section III, where we thought it best to present you with a complete new account which cancels the September version. Another main list will not appear until later in 1993 and this seemed a long time to keep some very important 1992 seed 'on ice' before offering it to you.

ORDERING & DESPATCH - See the front page of the September list for comments. A few important points in brief: cheques in US \$ must be on a US bank account; an open cheque, limited to the total value of your order, avoids credits or refunds; alternatively, a list of substitutes may be helpful. We have retained the same price codes as in the main list although sterling has fallen in value - it will probably be worthwhile for all payments to be made either in sterling or US \$. You may either price in these or take the DM or FF total and convert it to £ sterling or US \$ at the current exchange rate but please do not send Eurocheques in US \$ -. they are unfamiliar to US banking.

SECTION I : SEEDS FROM NORTH AMERICAN SPECIES - ADDITIONS & DELETIONS

The majority of North American collections are still available but, as we told you might happen, some collections of Erythronium and the southern Calochortus species sold out rapidly. The full list of items no longer available follows.

```
Fritillaria purdyi (Indian Valley) (other 2 available) 12840 & 12849 Fritillaria recurva
DELETIONS - WE HAVE NO SEED OF THE FOLLOWING SPECIES
                                                                       12813 F. recurva var. coccinea (i.e. all F. recurva)
13195 Oenothera caespitosa var. marginata
12142
       Calochortus concolor (Morris Ranch)
13153
       C. dunnii (Inspiration Point)
                                                                               Penstemon acaulis
                                                                               P. bracteatus (a little more expected from
13125
       C. invenustus (Bandido Camp)(plenty Mt. Pinos seed)
13134
       C. palmeri (Strawberry Valley)
                                                                                  J. Andrews' seed-bank - ask again)
13160
       C. weedii (Santa Ysabel)
                                                                               P. cleburnei
12862
       Erythronium citrinum var. roderickii (a few 12850)
                                                                       13245 & 13260 Phlox adsurgens
                                                                       12919
                                                                              Phlox speciosa
       E. elegans
       E. grandiflorum (Cache Co., Utah)
                                                                       12771
                                                                               Salvia spathacea
11525
                                                                               Smilacina racemosa
       E. nudopetalum
                                                                       13051
       E. pusaterii
                                                                               Townsendia aprica
13290 Fremontodendron californicum subsp. napense
                                                                       13170 Yucca baccata
```

ADDITIONS - A FEW MORE NORTH AMERICAN SPECIES

```
CALOCHORTUS - These are from Stan Farwig & Vic Girard (Concord, Ca.), unrivalled authorities on the genus.
C. ALBUS (Rail Road Flat) Cal., Calaveras Co., Rail Road Flat. (Another collection of the lovely white
Fairy Lantern with its pearly globular flowers. From the foothills of the Sierra Nevada. Easy)
                                                                                                                (15+ seeds)
C. LUTEUS X SUPERBUS Cal., Colusa Co., Wilbur Springs Road. (A stunning hybrid swarm of Mariposas which
could produce some superlative creams and soft yellows but expect a lot of variation.)
                                                                                                                (15+ seeds)
C. SUPERBUS Cal., Mariposa Co., NNW of Bear Valley, Hell's Hollow. (A type-locality collection of this
magnificent Mariposa from further south in the foothills of the Sierra Nevada than our colls.)
                                                                                                               (20+ seeds)
   UNIFLORUS Cal., Lake Co., NE of Middletown. (A dwarf, lilac flowered species, of which we have never
C. UNIFLORUS Cal., Lake Co., RE Of Fraguetown. (A uwall, live long to listed seed before, although it has long been known in cultivation and considered one of the easiest to grow listed seed before, although it has long been known in cultivation and considered one of the easiest to grow listed which are wet in winter and spring -
in the UK. In nature, it grows in heavy, often alkaline, clays in sites which are wet in winter and spring -
here accompanied by C. vestae (see our coll. 13288) but has dropped its seeds before the latter is flowering
An excellent pan-plant, which can be increased by stem bulbils once you have the initial stock.) (204 seeds) B
   VENUSTUS 'AURORA SELECTIONS' These should really be in Section III, as no wild colony approaches their
diversity. For decades Stan and Vic have travelled throughout California visiting colonies of Calochortus in
flower. They know all the colonies of coloured C. venustus intimately and have over the years selected one
or two of the most striking clones from each to bring into cultivation. This is cultivated seed taken only
from these outstanding clones - representatives from all the classic coloured colonies are here - Adelaida Road, Lake Castaic, Grizzly Flat - everything except the unique Cuddy Valley reds - amalgamated into what
must be the most horticulturally significant seed-source. Seed only from pinks, lavenders, reds and purples
with an infinity of permutations to be expected in blotches and basal markings.
                                                                                                                 (20+ seeds)
```

13151 CALOCHORTUS SP. Cal., San Diego Co., Cuyamaca Mts., W side of Lake Cuyamaca. 1410 m. Open, stony 'flats' overlaid with volcanic debris. 26.6.92 (We did not have space in the main list to squeeze in this collection of ours from down south near the Mexican border - it may be the local C. dunnii (of which our collection 13153 is now finished) or it may be the more widespread C. splendens, also known in this area.) (204 seeds) C

CALOCHORTUS COLLECTION "Why are most growers scared stiff of these beautiful summer flowering bulbs?" asks Kath

Dryden in her Autumn 1992 bulb list. To be honest we had not noticed any reticence among
our customers to experiment with this genus, which has been extremely popular since we first listed a wide range in
1989, but in case there are a few of you who have been deterred by its reputation for difficulty, here is a special
'starter' collection. One packet each of: C. albus (13052), C. amabilis (12805), C. coeruleus (12701), C. kennedyi
(13184 - the only difficult one but indispensible), C. luteus (13026), C. splendens (13103), C. vestae (13288) and
C. venustus 'Aurora' (see above) plus C.v. "Cuddy Valley Reds" - 9 packets, list value £17 for only \$15.00 or £10.

```
PRICE CODE A : $2.50 ; £1.50 ; DM4,50 ; FF15. - PRICE CODE D : $5.50 ; £3.50 ; DM10, - ; FF35. -

B : $3.50 ; £2.00 ; DM6, - ; FF20. - E : $7.00 ; £4.50 ; DM13, - ; FF45. -

C : $4.00 ; £2.50 ; DM7,50 ; FF25. - F : $10. ; £6.00 ; DM18, - ; FF60. -
```

LILIUM KELLEYANUM

When John Andrews was on his way to collect seed of Erythronium pusaterii, he saw some yellow lilies in flower which were unfamiliar to him. Subsequent investigations revealed that this area was one of the few where Wayne Roderick considered the "true" L. kelleyanum grew. This has always been regarded as an obscure and sometimes dubicus species, almost certainly because in most areas it has hybridized with L. pardalinum and perhaps also L. parvum. This would account for the many taxa described by Eastwood - L. fresnense, L. inyoense, L. monense, etc. - and placed under L. kelleyanum by Munz. The "true" plant appears to exist in a few localities in the high Sierra Nevada, near the headwaters of the Tule, Kaweah and King's Rivers in Fresno and Tulare Cos. and may well be closest to L. vollmeri and L. occidentale of the coast and adjacent coastal ranges. About 1 m. high with up to 25 light yellow, nodding flowers, this is a wet-grower from a very cold area and should be growable in the UK and other moist, cool climates. John made a special journey back to collect seed in September, 1992 - here it is -

LILIUM KELLEYANUM J. Andrews coll. : Cal., Tulare Co., E side Moses Mt. 2070 m.

(15+ seeds

* 11167 LUPINUS VARIICOLOR Cal., Sonoma Co., above Shell Beach S of Jenner. 1992 cultivated seed ex hort. Craig Trving (Victoria, Australia) from our 1989 coll. (Our wild seed of this woody-based perennial with downy, greyish leaves produced "very spectacular...impressive" plants in Victoria. About 60 cm. in the wild, it grew to over 1 m. with flower-spires in lavender and purplish shades "from late winter until summer".

Although a seaside plant, we have had favourable reports of its performance in the UK as well, where it is well worth trying in a well-drained site in full sun with other "Mediterranean" plants.) (15+ seeds) A

OENOTHERA LAVANDULIFOLIA J. Andrews coll.: Nevada, Clark Co., Spring Mts., S of Hilltop Campground.

2500 m. (A most distinct species, really best separated from Oenothera into the genus Calylophus. A dwarf, woody-based perennial with wiry, decumbent stems, sparsely clothed with little, linear leaves. Large, four -petalled flowers in soft-yellow mature to oranger tints. About 15 cm. high. Hot & dry.) (15+ seeds)

SECTION I : SEEDS FROM SOUTH AMERICAN SPECIES

We had intended sending out a list with a heavy emphasis on South American collections during the first half of 1993 - this would have involved us being abroad at present, in the November - January period, to collect early flowering species to tie in with the late season collections made in 1991. As we have been involved with the main rush of orders from our North American list well into December, we had to decide to rethink our (always optimistic) plans for the next eighteen months. South American localities continue to be involved but we do not now project our next main list until later in 1993. If we hold some of the following material until then, another cool season will have been lost to northern hemisphere growers. We are, therefore, listing out some of the refrigerated, seed-bank material we still have from our visit to Argentina and Chile in 1991, along with a few 1992 collections from other sources. The Roman numeral preceding the locality of Chilean collections indicates the administrative district - these run from I, on the Peruvian border in the Tropics in the N, to XII in the Antarctic. We are concerned here with Regions II to X; Region Metropolitana de Santiago (abbreviated Reg. Metro. here) comes between Regions V and VI - these may be of some help to growers but you must take altitude and other factors into account as well.

ALSTROEMERIA We have very recently received another batch of wild-collected Chilean seed - from quite different sources to those we listed in 1991 but obviously from an identical origin in Chile. We have got as far as tracing the origin back to Concepcion but it's largely irrelevant as the material is, as far as we can see, fairly reliable and named according to the most recently published nomenclature. Though we retain some reservations on naming and quality of the seed, several collections are of plants which have not been in cultivation and we feel it will be of interest to specialists willing to 'take a chance'. Mike Tucker (Somerset, UK) had germination from all the seed listed in 1991, except for the desert species, A. polyphylla. Of the few which flowered in 1992, A. garaventae appear correctly named but that listed as "A.? exserens" (our?) is not - we cannot say what yet. Dr. Bayer, monographer of the genus, has, however identified our collection 12513 and almost certainly 12470 as genuine A. exserens. The anonymously collected "A.? spathulata" looks from its photograph as if it might actually be A. exserens also. Some growers still appear to be having difficulty germinating this genus. In general, our own collections appear to have germinated better than the anonymously collected seed. This is reassuring and justifies our policy of normally only listing seed collected by ourselves or a friend known to be wholly reliable - treatment after collection and conditions of storage, as well as age, all affect viability. Norman Deno has run some experiments on germination and confirms that all so far germinate at low temperatures. Norm uses about 40°F but we think 40-50°F will suit most (5-10°C) but he makes the point that germination is improved by keeping the seed at a higher temperature (70°F (21°C) was what he used) for a few weeks after sowing and before exposing to a lower temperature for germination. If you are not successful with seed conventionally sown, put it in the bottom of a domestic refrigerator

- treatment after collection and conditions of storage, as well as age, all affect viability. Norman Deno has run some experiments on germination and confirms that all so far germinate at low temperatures. Norm uses about 40°F but we think 40-50°F will suit most 5-10°C) but he makes the point that germination is improved by keeping the seed at a higher temperature (70°F (21°C) was what he used) for a few weeks after sowing and before exposing to a lower temperature for germination. If you are not successful with seed conventionally sown, put it in the bottom of a domestic refrigerator for a few months — it often works if your climate is not cool enough for a long period.

12648 ALSTROEMERIA AUREA Chile, VIII, Nuble, SW of Termas de Chillan. 1500 m. Open banks in Nothofagus woods.
9.3.91 (The spectacular coppery red to orange-scarlet race from the Chillan Andes, singled out for mention by Bayer. Should be easy outside in the UK. Our own colls, here are the numbered ones.) (15+ seeds) A A. DILUTA (subsp. diluta) Chile, VII, Talca, near San Rafael (ca. 300 m.) (Described in 1986 and only known from the area of the type-locality. 10-25 cm. high. White to pink with attenuated dark tips.) (10+ seeds) C A. DILUTA subsp. CHRYSANTHA Chile, IV, Limari, Mantos de Hormillos. (Also described in 1986 and endemic to the coastal cordillers of Coquimbo, 60-400 m. Yellow through yellowish pinks to pale orange.) (10+ seeds) C A. GARAVENTAE No data but 1991 seed, which has germinated and flowered and appears correctly named, was from V Quillota, Cerro La Campana. (Again described in 1986 - an obscure species only known from one or two sites at about 2000 m. on top of the Coast Range W of Santiago and maybe closest to A. spathulata from the high Andes. About 20 cm. with flowers all one colour - pink or white - speckled crimson all over.) (8 seeds) D A. HOCKERI (subsp. hookeri) No data. The most southern race of this group of dwarf, narrow-leaved plants with umbels of pink, green-tipped flowers on stems up to 20 cm. high. Alpine-hou

```
PRICE CODE A : $2.50 ; £1.50 ; DM4,50 ; FF15. - PRICE CODE D : $5.50 ; £3.50 ; DM10, - ; FF35. -

B : $3.50 ; £2.00 ; DM6, - ; FF20. -

C : $4.00 ; £2.50 ; DM7,50 ; FF25. -

F : $10. ; £6.00 ; DM18, - ; FF60. -
```

```
SECTION I ADDITIONS continued : SEED FROM SOUTH AMERICAN SPECIES : AVAILABLE FROM JIM & JENNY ARCHIBALD, 1992 -93
         ALSTROEMERIA LIGTU HYBRIDS Our own cultivated seed of these splendid plants widely grown in British
         gardens from Cornwall to Aberdeen. By all accounts derived from A.l. subsp. simsii (grown as A. haemantha)
         and possibly A.1. subsp. incarnata (grown as "A.1. angustifolia"). Pink, orange, flame, buff.... (20+ seeds)
12497 A. PALLIDA Chile, Reg. Metro., W of Farellones. 2000 m. Steep, open, stony slopes. 13.2.91 (Most sumptuous of alpine-plants, endemic to the ranges SW of Aconcagua at 1500-2800 m. In the wild only 5-20 cm. high - the umbels of large flowers sit almost on the ground. From deep-pink to white with the upper, inner segments
         blotched with gold and streaked with crimson. Has germinated well and should flower in 1993.)
                                                                                                                                           (10+ seeds)
            PAUPERCULA One of at least two taxa to which the confused name A. violacea has been applied. We doubt if
         A. PAUPERCULA One of at least two taxa to winten the continues and a. ... this inhabitant of the coastal strip of the Atacama Desert in Regions II & III has been in cultivation. The
         1972 B.C. & W. coll. of "A. violacea" was A. philippii and we suspect much earlier material called "A. violacea" was actually A. magenta. In the wild, 10-50 cm. high with broad, thick-textured, grey-green
         leaves and large lilac to violet flowers. The only other species this could be is A. philippii but they can
         be easily separated on foliage characters. Probably only possible grown frost-free though remember the coast is cool in summer and seed, like many desert-plants, may be difficult to germinate. Worth a try!) (8 seeds) D
         A. PRESLIANA subsp. AUSTRALIS No data but one of only 2 species in Araucania. As we know it (our own seed
         is long finished), an elegant, intense-pink species, with red-brown anthers, about 30 cm. high, flowering
         in late summer at about 1400 m. in openings in deciduous forest. Should be growable in the UK.
         A. PULCHRA Cultivated seed ex hort. Helen Barton, 1992, from a plant raised from the 1972 B.C. & W. 4762 coll. Borderline hardiness with us but easy in a frame or unheated greenhouse. About 50 cm. high with white
         flowers (palest lilac under glass) with dark maroon tips and crimson streaks on a yellow blotch. (15+ seeds) B
12321 A. REVOLUTA Chile, VI, Cachapoal, Rio Cachapoal valley W of Pangal. 950 m. Openings among scrub in sandy
         soil. 23.1.91 (A most distinct species, about 1 m. high, looking like something between a rosebay willow-
         -herb and a ball-headed allium. Large, round umbels of many, individually small, lilac-pink to purple
          flowers. From a similar altitudinal range to the A. ligtu group and worth trying outside in UK.) (15+ seeds) B
             SCHIZANTHOIDES Only known from a small area in the Andean foothills at about 1000 - 1900 m. immediately
         E of Coquimbo (Region IV) and described in 1982 - a very distinct species which appears to be trying to mimic Schizanthus in its flower structure. About 15-30 cm. high in nature with bright pink flowers, the
         upper, inner segments in white, neatly banded with yellow. Not listed by us before - a few.
          A. VERSICOLOR Chile, VII, E of Curico (ca. 1500 m.). (From 6-40 cm. high in the wild with pale yellow to
         brownish yellow flowers, speckled evenly all over with purple dots - again unlike any other. A delightful little plant which has germinated and flowered from the seed we listed in 1991. Not difficult.) (10+ seeds) D
                               Chile, III, Huasco, Carrizal Bajo. (A strange endemic of the Atacama coastal sands, only
          described in 1986. About 12 cm. high with small, fleshy, glaucous leaves and red-purple flowers blotched with dark brown-violet. John Watson told us there was a 1972 B.C. & W. coll. of this (before it was named)
          but that he had no reports of germination; Mike Tucker tells us he has had germination from the seed from this source we listed in 1991 - a little progress in 20 years! We hope it establishes - a few.) (5 seed
12294 ARGYLIA ADSCENDENS Chile, Reg. Metro., Lagunillas, ENE of San Jose de Maipo. 2200-2300 m. In rock 'stripes' on open, stony slopes. 21.1.91 (Campsis-like heads of big-trumpets in purple-tinged orange and apricot-
          yellow on stems of about 20 cm., from mats of cut, grey foliage, running through the loose, igneous talus.
          These have germinated well with several growers but are not easy to handle - damping-off easily.)(20+ seeds) B
          ARGYLIA SP. Argentina, Mendoza, S of Ranquil del Norte. 1300 m. Open, level, sandy areas among scrub. 30.1.91 (Glaucous, 5-lobed leaves and 60 cm. stems with up to 50, 4 cm. long trumpets of brilliant orange-
 12390
          -yellow. A gorgeous member of the Bignoniaceae from an area with a severe, cold-steppe climate.) (20+ seeds) B
12482 <u>CAJOFHORA CORONATA</u> Chile, Reg. Metro., NE of Valle Nevado (E of Farellones). 3200 m. Among rocks at bases of igneous boulders & cliffs. 12.2.91 (Incredible high-alpine Loasaceae, reaching 3500 m. on the desolate
          slopes around Aconcagua & Tupungato. Lush clumps of spiny, Acanthus-like leaves, around which flop-out huge 5-ribbed lampshades, about 7 cm. across, of diaphanous white silk. Good germination with many growers, one
          of whom at least found the stinging hairs innocuous - others may be susceptible. Take care!)
                                                                                                                                           (20+ seeds) C
          CALANDRINIA. We have determinations from Dr. Ford of Northeast Missouri State University on the unidentified
          collections: 12535 & 12570 are both forms of C. umbellata; 12548, 12600 and 12662 are all, she thinks,
          probably satisfactory placed under C. gayana. Her previous determination of 12311 as C. splendens, she would
          like to amend to C. cistiflora, which has priority over C. splendens & C. dianthoides, which she now consid-
          -ers synonyms. She also warns that considerable generic re-alignment is imminent in Portulacaceae with
          Calandrinia being split into several genera - Lewisia tweedyi would also depart from Lewisia. Never mind:
 12311 CALANDRINIA CISTIFLORA (previously listed as C. splendens) Chile, Reg. Metro., above Rio Maipo Valley, N of
          Banos Morales. 2500 m. Open stony areas. 22.1.91 (Diffuse, woody stems with little, linear, glaucous leaves.
          Silky magenta flowers over 3 cm. across on wiry 10 cm. stems. This would move to Montiopsis.)
         CALANDRINIA COLCHAGUENSIS Argentina, Neuquen, Norquin, S of Copahue. 2000 m. Open, level, stony, alpine-steppe, among volcanic debris. 1.2.91 (A melt-water plant - "the fairest of all we saw in the Andes" writes John Watson - with mounded rosettes of dark, strap-shaped leaves and a succession of satiny, lilac or rose
 12416
          Lewisia-like flowers. This population, collected under our numbers 12415 & 12416, had Donna Ford dashing out
          to visit them in flower - she concludes it is a "hybrid swarm" with "extensive variation...a reflection of gene flow" between C. colchaguensis and white C. affinis. We collected those nearer the latter under 12415
          and we shall include a packet of these also. These would stay in Calandrinia.)
```

PRICE CODE A : \$2.50 ; £1.50 ; DM4,50 ; FF15. -PRICE CODE D : \$5.50 ; £3.50 ; DM10, - ; FF35. -E: \$7.00; £4.50; DM13, -; FF45. -: \$3.50 ; £2.00 ; DM6, - ; FF20. -C: \$4.00; £2.50; DM7,50; FF25. -; £6.00 ; DM18, - ; FF60. -

12488 CALCEOLARIA ARACHNOIDEA Chile, Reg. Metro., NE of Valle Nevado (E of Farellones). 3100 m. Among igneous rocks. 12.2.91 (Black maroon bubbles on 20 cm. stems from tight, white-felt basal rosettes. Has germinated well and we are told is distinct from forms in cultivation. Easy if protected from winter-wet.) (50+ seeds) B

12342 CALANDRINIA SERICEA Chile, Reg. Metro., Lagunillas, ENE of San Jose de Maipo. 2200 m. Steep open stony slopes. 25.1.91 (Tight hummocks or pads of silver-grey, downy foliage produce a generous succession of intense ruby-magenta flowers on short stems. Possibly the finest of the pubescent ones (these would also move to Montiopsis) for an alpine-house pan - hard conditions & full sum to keep it tight.)

(2 packets of 30 seeds) D

(30+ seeds) D

```
CALCEOLARIA SP. Helen Beaufort-Murphy coll., 1992 : Peru, Cajamarca. 3800 m. Limestone. (A shrubby species
         30 cm. high with tiny, hairy, grey leaves and sulphur-yellow flowers.)
        CRUCKSHANKSIA HYMENODON Chile, Reg. Metro., Lagunillas (ENE of San Jose de Maipo). 2300 m. Exposed, stony
         areas on steep, NW-facing slopes (= SW in N hemisphere). 18.2.91 (Norm Deno has germinated this under labor--atory conditions and Dave Hoskins did so outside in the UK - like many dry-climate alpines, it germinates
         irregularly, apparently needing a cycle of alternating warm & cold periods. Dave also had a first, pallid
         flowering in 1992 - the next stage is to learn how to grow it in character. Accolades await anyone who can
         explode its extrovert display of long-tubed, bright orange-yellow flowers, surrounded by flaring skirts of
         violet-pink sepals, on to the show-bench. In the wild, one of the most amazing of alpine-plants.)(15+ seeds) E
12606 EMBOTHRIUM COCCINEUM Chile, X, Llanquihue, W of Ensenada. 200 m. In scrub and at margins of woodland.
         1.3.91 (The famous Chilean Fire Bush with dense racemes of of orange-scarlet tubes. More or less evergreen
         & up to 10 m. in the wild but usually much less. Seedlings from this coll. are now in the trade in UK. )(20+) B
         FAMATINA ANDINA Endemic to a small area of the Andean foothills around Loma del Viento - Chile, Reg. Metro.
        - this genus & Phycella (q.v.) are spring-flowering Amaryllidaceae, which have been placed under Rhodophiala and Hippeastrum, though they may well be closer to the more northern genus Stenomesson. Winter-growers which
         should be manageable with standard Mediterranean-bulb treatment, flowering well before Rhodophiala. Few.)(8)
        GENTIANELLA SP. Helen Beaufort-Murphy coll., 1992: Peru, Cajamarca. 3000 m. Wet flood-plain and damp meadows in a limestone area. (One of the many central Andean Gentians. Waxy, white flowers. 20cm. (50+ seeds) D
         HALENIA UMBELLATA Helen Beaufort-Murphy coll., 1992 : Peru, Cajamarca. 3800 m. (This genus of the Gentian-
        -aceae produces some very dwarf, desirable developments at the highest Andean altitudes, usually with tight rounded heads of yellow flowers. About 10 cm. We have only these 3 from Helen's Peruvian colls.) (20+ seeds) E
         LEONTOCHIR OVALLEI A monotypic genus of the Alstroemeriaceae, only known from the Atacama coast near
         Carrizal Bajo (Chile, III, Huasco). About 60 cm. high and will need to be frost-free. Few.
12436 LOASA NANA Argentina, Neuquen, Lacar, Cerro Chapelco above San Martin de los Andes. 1800 m. Among igneous
         rocks on exposed slopes. 2.2.91 (Mats of dissected, bluish, grey-green leaves. Large, starry flowers of
         complex symmetry in lemon-yellow or orange and white. Has germinated well. Does not sting!)
                                                                                                                                   (20+ seeds) D
        LOBELIA TUPA Chile, VI, Cachapoal, W of Coya. 900 m. Openings among scrub in sandy soil. 19.2.91 (One of
12527
         the most regal Chilean endemics. Spires of hooded scarlet flowers towering to 2.5 m. Has germinated like
         cress and grown on well - not difficult outside in the UK with some protection in cold areas.) (100+ seeds) C
12632 LOPHOSORIA QUADRIFINNATA Chile, X, Llanquihue, Rio Petrohue valley, NW of Ralun. 150 m. Steep, moist, shaded banks at forest margins. 4.3.91 (A majestic fern with finely cut, 2 m. fronds from massive crowns matted with gold-brown hairs. The name is an informed guess by tree-fern enthusiast Martin Rickard. Spores.) B
12533 MAIHUENIA POEPPIGII Chile, VIII, Nuble, SE of Recinto. 1000 m. Open, level site in volcanic ash. 20.2.91.
         (A hardy member of the Cactaceae suited to alpine-house conditions or, protected from winter wet, in a scree
         -bed, where it is reputed to flower better. Huge, lemon-yellow flowers on tight, flat mats.)
                                                                                                                                   (20+ seeds) B
12495 MALESHERBIA LINEARIFOLIA Chile, Reg. Metro., W of Farellones. 2000 m. Open stony slopes. 13.3.91 (A woody-based herbaceous perennial, about 60 cm. high, with somewhat Delphinium-like panicles of 'hose-in-hose'
         flowers in dusky blue-violets to red-violets - in its own family, Malesherbiaceae, and unlike anything
         familiar in gardens. Robin White (Hampshire, UK) flowered this well under glass in 1992 and is enthusiastic
         about building-up a stock - it should very hardy but will need a very well-drained site.)
12484 MELOSPERMA ANDICOLA Chile, Reg. Metro., NE of Valle Nevado (E of Farellones). 3200 m. Exposed, stony slope on summit ridge. 12.2.91 (A high-alpine in the Scrophulariaceae. Prostrate stems with fleshy, blue-grey leaves and a succession of dark-veined, lilac flowers, somewhat reminiscent of Penstemon.) (15+ seeds
         MUTISIA, the beautiful climbing daisies, has generated a multitude of enthusiastic reports on germination
        and progress of the seedlings. Several colls. flowered in 1992. The seed was hard-won (very little good seed is set and much is eaten by insects) but germinates easily in cooler periods. Take care in transplanting
         and try them with good drainage in acid to neutral soil with heads in the sun and feet in the shade.
        MUTISIA DECURRENS Chile, VIII, Nuble, SW of Termas de Chillan. 1500 m. Openings in Nothofagus forest, often
12646
         in Chusquea thickets. 9.3.91 (Climbs to 3 m. with glowing orange flower-heads 12 cm. across.)
                                                                                                                                   (10+ seeds)
        MUTISIA SPINOSA Argentina, Neuquen, Minas, E of Lago Lolog. 1100 m. Among scrub in sandy soil. 3.2.91 (To
12451
         about 6 m. with profuse, large, pink flower-heads. M. retusa is a synonym for this.)
        MUTISIA SUBULATA Chile, VI, Cachapoal, ESE of Machali. 1000 m. Among scrub on open slopes in gravelly soil. 13.3.91 (Fine, linear leaves and flower-heads about 8 cm. across of brilliant scarlet. About 3m.)(10+ seeds)
12668
        MUTISIA SUBULATA Chile, VIII, Rio Itate valley E of Quillon. 300 m. Among scrub on ridges of old sand and gravels. 23.2.91 (The few late flowers seen here were a deep rose-pink. May be more tender.) (10+ seeds
12561
        OENOTHERA ACAULIS Chile, Reg. Metro., Farellones. 2300 m. Open stony slopes. 13.2.91 (Has been confused
12494
         with the N American O. caespitosa - just as splendid and similar in its great, white, sometimes pink-tinted
         flowers held on long tubes from deeply dissected basal foliage. From a high elevation for this.) (15+ seeds) B
        OURISIA MICROPHYLLA Chile, VIII, Nuble, SSW of Termas de Chillan. 1600 m. Shaded, apparently dryish, crev-
-ices on igneous cliffs. 10.3.91 (Perhaps the finest saxatile plant of the southern Andes. Mounds like a
thready-stemmed, tiny-leaved version of Cassiope lycopodioides with profuse, soft-pink, Primula-like flowers
12650
        over a long period. This has germinated easily and profusely (so do sow thinly) but it subsequently needs great care to avoid damping-off - grow it in Dionysia-conditions in the alpine-house or trough.)(100+ seeds) C
         PHYCELLA IGNEA Scarlet, spring-flowering Chilean member of the Amaryllidaceae - see under Famatina for
         some comments. We have just referred to a letter from Prof. Grau (München), who is currently working on
         these Chilean "Hippeastrum", where he mentions Famatina should be placed under Phycella - these are all in
         a state of flux at present but all are wonderful plants, little-known in cultivation. A few.
        PUYA CAERULEA Chile, VII, Curico, Rio Teno valley ESE of Canton. 750 m. Among rocks on steep slopes.
12334
         24.1.91 (Splendid member of the Bromeliaceae with rosettes of spiny leaves, about 60 cm. long, and 2 m. high
         red-stemmed inflorescences - dense panicles of tubular flowers in rich, deep-blue.)
                                                                                                                                   (50+ seeds)
        PUYA? VENUSTA Chile, Reg. Metro., SE of San Jose de Maipo. 1000 m. Ledges on igneous cliffs. 14.3.91 (Almost certainly this magnificent rose-pink species. Branching spires tower to 3 m. high.) (50+
12674
                                                                                                                                   (50+ seeds) C
12669 PUYA SP. Chile, VI, ESE of Machali. 1000 m. Steep, rocky slopes. 13.3.91 (Not seen in flower. 2 m.)
                                                                                                                                           (50+) C
PRICE CODE A : $2.50 ; £1.50 ; DM4,50 ; FF15. -
                                                                              PRICE CODE D : $5.50 ; £3.50 ; DM10, - ; FF35. -
                 : $3.50 ; £2.00 ; DM6, - ; FF20. -
                                                                                                   $7.00 ; £4.50 ; DM13, - ; FF45. -
```

; £6.00 ; DM18, - ; FF60. -

: \$4.00 ; £2.50 ; DM7,50 ; FF25. -

RHODOPHIALA species have all germinated and are growing on well. The refrigerated seed should still give excellent results. These summer-flowering "hippeastrums" with a trifid stigma should fit in with northern hemisphere groups such as the Mariposa Calochortus and Oncocyclus Iris, as well as Alstroemeria, flowering at the end of their winter-spring growth cycle. Naming of cultivated material & much literature is inaccurate.

- 12584 RHODOPHIALA ? ADVENA Chile, VIII, Bio Bio, S of Canteras (E of Los Angeles). 400 m. Open, level site in sandy soil. 24.2.91 (Flower remains red to yellow-red. About 30 cm. high in fruit.) (15+ seeds) C
- 12450 RHODOPHIALA ELWESII Argentina, Neuquen, Minas, E of Lago Lolog. 1100 m. Among low scrub in sandy soil.

 3.2.91 (An extremely beautiful, 30 cm. high plant with soft-yellow flowers, stained wine-red in their throats, which should be fully hardy in the UK. This is not the Chilean plant grown from B.C. & W. seed as "H. elwesii" R. elwesii does not appear to grow in Chile, although British literature claims Elwes collected it there he did in fact stay at San Martin de los Andes close to this locality in February, 1902. Comber's coll. from this locality was identified at Kew as "Hippeastrum ananuca" (from Atacama prov., N. Chile!) sloppy British work on this genus persists. This has germinated splendidly.) (15+ seeds)
- 12597 RHODOPHIALA ? PRATENSIS Chile, IX, Malleco, Cordillera de Nahuelbuta, W of Vegas Blancas. 1200 m. Openings among scrub. 26.2.91 (Elegant, pale scarlet-flowered species, about 20 cm. high, which Prof. Grau suggests may be the "often wrongly interpreted R. pratensis" possibly distinct from any grown under this name and certainly not the "Hippeastrum pratense" of Cullen's account in the curious "European Garden Flora" of 1986, described with a capitate stigma (!). A high-humidity, coast-range plant cool summers.) (15+ seeds) D
 - SOLARIA MIERSIOIDES (?) (A large question-mark our guess but certainly one of about 6 members of the Gillesioideae of the Alliaceae in Reg. Metro.) J. Andrews 91-022: Chile, Reg. Metro., Lagunillas (EME of San Jose de Maipo). 2480 m. N-facing slope. 21.1.91 (A small, snow-melt bulb, found in a small area by John not by us spilling its seed out from scilla-like capsules. Probably has green, starry flowers.) (15+) C
- 12365 SCHIZANTHUS GRAHAMII Argentina, Mendoza, Malargue, Valle de las Lenas. 2200 m. Steep, stony slopes.
 29.1.91 (This & the next are the two members of this small genus of the Solanaceae, virtually confined to Chile, which have climbed to high altitudes and acquired a perennial, if short-lived, habit. Both have much-cut, glandular leaves & branching stems to about 50 cm. carrying successions of 'upside-down', butterfly flowers amazingly improbable alpine-plants, which they certainly are. Norm Deno tells us germination of these is inhibited by light keep them in the dark! S. grahamii, a species of many aliases, including S. gilliesii, just infiltrates the border with Argentina here in the most violent colour-form shocking pink & luminous orange. With Marjorie Watson (Ayrshire, UK) this "flowered magnificently in greenhouse and garden outside spectacular." If these keep setting good seed, they will really get around.) (30+ seeds)
- 12492 SCHIZANTHUS HOOKERI Chile, Reg. Metro., SW of Valle Nevado (E of Farellones). 2900 m. Rock-slides on steep slopes. 12.2.91 (Lilac flowers with attenuated, flame-shaped, upper lips of rich-yellow, grading into white, topped and tailed with basic lilac. "Spectacular" with Barry Hennessey (Essex, UK) in 1992.) (30+ seeds)
- 12431 SENECIO ARGYREUS Argentina, Neuquen, Lacar, Cerro Chapelco above San Martin de los Andes. 1800 m. Exposed, stony slopes. 2.2.91 (A neat, upright shrub, about 30 cm. high, with narrow foliage and stems densely clad in white felt. Fine, reputedly scented, soft-yellow daisies. Not difficult grown dry in sun in the UK.)
- 12379 SENECIO GILLIESII Argentina, Mendoza, Malargue, Valle de las Lenas. 2700 m. Open, level, gravelly areas.

 29.1.91 (Upright, coarsely toothed, spatulate leaves covered in dense white tomentum on both surfaces. More or less a compact, alpine version of S. candicans from sea-level in Tierra del Fuego & even more desirable.)
- 12289 SISYRINCHIUM FILIFOLIUM subsp. JUNCEUM Chile, Reg. Metro., Lagunillas (ENE of San Jose de Maipo). 2200 m. Exposed, dryish slopes. 21.1.91 (A pretty, easily grown, summer-dormant species, about 20 cm. high, with a few linear leaves and up to 8 pendant bells, variable from pink to white, often veined purple.) (20+ seeds)
- 12323 SOLENOMELUS PEDUNCULATUS Chile, VI, Rio Cachapoal valley, W of Pangal. 950 m. Openings among scrub in sandy soil. 23.1.91 (Summer-dormant, rhizomatous Sisyrinchium-relative with large, rounded, rich-yellow flowers from prominent spathe-bracts on 20 cm. stems. Should suit bulb-frame conditions.) (20+ seeds) B
- 12437 TRISTACMA? NIVALE Argentina, Neuquen, Lacar, Cerro Chapelco above San Martin de los Andes. 1800 m. Among loose, igneous rocks on exposed slopes. 2.2.91 (High-alpine bulb in the Alliaceae, with affinities to Brodiaea, etc. Curled, fleshy leaves coil on the scree; flowers may vary from green to purple-black.) (15+) D
- 12313 TROPAECLUM POLYPHYLLUM Chile, Reg. Metro., above Rio Maipo valley N of Banos Morales. 2500 m. Loose, coarse igneous scree on steep slopes. 22.1.91 (John Andrews has extracted some more seed of this from his refriger-ator our stock ran-out last year! One of the most sought-after garden-plants in the UK difficult to manage commercially and to re-establish from pieces of tuber. All our Tropacolum seed has germinated well & is giving no problems. Trails of deeply cut, blue-grey leaves, up to 1 m. long, with profuse, brilliant-yellow flowers in early summer. A high-alpine but the tubers can still be vulnerable to frost.) (8 seeds)
- 12337 TROPAEOLUM SESSILIFOLIUM Chile, Reg. Metro., Lagunillas (ENE of San Jose de Maipo). 2200 m. Along snow-melt gulleys (now dry) and in consolidated, sandy soils. 25.1.91 (Erect or flopping, branching stems to about 20 cm. with tiny leaves. Already dormant when seen by us but reputedly variable from white to pale lavender-pink, veined with grey and with orange centres by all accounts the dwarf species.) (8 seeds)

ROSULATE VIOLAS Norman Deno is now obtaining germination from our seed using gibberelic acid-3 and Panayoti Kelaidis has also been successful using GA-3 coupled with cytokinins. Norm tells us (August, 1992) that this is the only group of plants he has come across with germination stimulated by GA-3 at 40°F (4.4°C). Some germination with conventional sowing has occurred with Dave Hoskins (Hampshire, UK) and we saw some superb little plants grown by John Andrews (Cal., USA) in summer 1992, germinated by subjecting the seed to alternating warm and cold periods (Incidentally if John can grow these so much in character in Berkeley, there should not be great problems in cultivating them in Europe once we have the seed germinating.) Further reports on germination and methods used will be very welcome. We do not have precise details of Norm's procedure but this will be in his book to be published in 1993; we shall reproduce the information in our next list and will be returning to this group of plants over the next 18 months in more detail. If anyone is still interested at this stage, we have a little refrigerated seed left of the following -

- 12405 VIOLA SP. Arg., Neuquen, Norquin, between Caviahue & Copahue. 2000 m. Among igneous rocks. 31.1.91 (10+) E
- 12434 VIOLA SP. Arg., Neuquen, Lacar, Cerro Chapelco. 1800 m. Exposed, stony slopes. 2.2.91 (10+) E
- 12547 <u>VIOLA SP</u>. Chile, VIII, Nuble, NE of Termas de Chillan. 2000 m. Loose volcanic ash. 21.2.91 (10+) E
- PRICE CODE A: \$2.50; £1.50; DM4,50; FF15. PRICE CODE D: \$5.50; £3.50; DM10, -; FF35. -
 - B: \$3.50; £2.00; DM6, -; FF20. E: \$7.00; £4.50; DM13, -; FF45. -
 - C: \$4.00; £2.50; DM7,50; FF25. F: \$10.; £6.00; DM18, -; FF60. -

DELETIONS - WE DO NOT HAVE ANY SEED OF THE FOLLOWING SPECIES

196.500	Arum nigrum	590.400	Iris latifolia
250.500	Campanula alpestris	632.600	Lilium candidum
358.000	Cyclamen africanum	699.200	Narcissus bulbocodium var. pallidus
359,000	Cyclamen cilicium (359.003 available)	696.700	Narcissus bulbocodium subsp. praecox
364.003	Cyclamen hederifolium (364.006 available)	705.600	Narcissus rupicola subsp. marvieri
493,000	Fritillaria conica	705.701	Narcissus rupicola subsp. watieri
499.400	Fritillaria messanensis	746.000	Paeonia broteroi (746.002 available)
503.700	Fritillaria thessala subsp. ionica	787.902	Primula latifolia (788.100 available)
518.400	Gentiana gelida	882.800	Scorzonera religiosa
532.600	Gladiolus kotschyanus		
561.400	Helleborus lividus		

SECTION II : ADDITIONS - * indicates seed from cultivated plants of known wild origin. All 1992 seed.

- * 138.950 ALLIUM SUBHIRSUTUM Greece, Skopelos, near Chora. Near sea-level. Under Pines. Ex hort. M. Jope from his own coll. (Attractive, 15 cm. high species with umbels of starry, white flowers.) (15+ seeds)
 - 160.701 ANEMONE CORONARIA (var. cyanea) Greece, Poros. 250 m. Among Cistus. M. Jope coll., 1992. (From blue forms of this lovely, variable spring-flower, which is such a feature of the E Mediterranean.) (20+ seeds) A
- * 256.001 CAMPANULA HAWKINSIANA Greece, Ioanina, Katara. 1700 m. Steep, unstable, S, SE & SW-facing serpentine scree. Our own cultivated seed from our 1985 coll. (The classic serpentine endemic of the Pindus Mts. with wiry, tiny leaved, prostrate stems and wide bells in intense violet with white or electric-blue centres superb but not easy the parent plant has now departed! Variable and worth selecting also.) (50+ seeds)

ECHINOPS EMILIAE

The jade-green globe-thistle at last! In 1947, Peter Davis collected on Baba Dag, where "the most spectacular plant was an undescribed Echinops...the heads can be nearly 6 inches across - incredible spheres of pale jade green. As these eccentric baubles are carried on stems of no more than 18 inches, it was a great disappointment that seed of this wonderful species could not be obtained." Two years later, in July, 1949, Davis was back but once again there was no seed "of that wonderful new species of Echinops whose great jade globes, up to 5 inches across had so impres -sed me on my first visit to Lycia; it, too, had failed to flower." We know this was also subsequently on John Watson's list of desiderata when he was travelling in Turkey but do not know if he ever collected seed - if he did, we have not heard of it appearing in cultivation. On their visit to SW Turkey in October, 1992, Prof. P & Dr. P. Watt (Hampshire, UK) made a special effort to collect this - successfully at last and they emphasise "in the interest of conservation we only collected four seed heads" - quite enough for their personal comfort, the capacity of their luggage and the establishment of the species in cultivation as well. We have not cleaned all the seed out from the phyllaries; as usual with Compositae, some is eaten and some is infertile but there will be enough excellent, mature seed for a reasonable distribution. Only known from 1600-1800 m. on Baba Dag and from 2000-2000 m. on Tahtali Dag, SW of Antalya - this is a type-locality coll. - seed after forty-five years!

- 430.250 ECHINOPS EMILIAE Turkey, Mugla, Baba Da. 1600 m. Limestone scree. P. & P. Watt coll., 1992. (5 seeds)
 - 509.305 GALANTHUS REGINAR-OLGAE Turkey, Antalya. Humus in limestone crevices. P. & P. Watt coll., 1992 (Only known in Turkey from a small area near Kemer, SSW of Antalya, at 150-650 m., Peter & Penny Watt tell us this looks quite different to the Greek (type) race "smaller; lime yellow markings; with a good scent" Flowers in October-November in nature and will probably be best with winter-protection in UK.) (10 seeds) D
 - 532.502 GLADIOLUS ITALICUS (= G. segetum) Greece, Poros. 250 m. Among Cistus. M. Jope coll., 1992 (Easily grown bright, purple-pink species, about 60 cm. high, widespread in S Europe.) (15+ seeds)
- * 632.401 LILIUM BULBIFERUM (var. bulbiferum) Italy, Friuli-Venezia-Giulia, below Passo di Predil. 1100 m. Open areas in mixed woodland. (Stunning, wide-open, brilliant red flowers the type-race is much more local in nature than var. croceum. We have a few stem-bulbils available to about March, 1993.) (5 bulbils) B
- * 634.801 LILIUM PYRENAICUM U.K., Wales, Dyfed, SW of Ffostrasol. 200 m. Open hedgerows & in woodland. (May or may not be native here we now have a good colony of this local form established on our land. Bright-yellow Turk's-cap flowers, finely speckled with purple. Dwarfer than we have seen in the Pyrenees.) (15+ seeds) B
 - 746.002 PAEONIA BROTEROI Spain, Jaen, Sierra de Pozo, NW of La Nava de San Pedro. 1300 m. Among Pinus on steep, limestone slopes. 12.9.91 (Seed from the Sierra Nevadan form offered in our last list is now finished in this area the flowers are more uniform in colour, though varying in tones of rose-pink.) (10+ seeds) C
- * 980.200 VERBASCUM ARCTURUS Greece, Kriti, Rethimno, gorge near Selia. Limestone crevices. 1992 cultivated seed from a 1983 coll. by A. Edwards. (Cretan limestone endemic. Woody based with downy, grey-green basal leaves. Branching 30 cm. stems of brilliant yellow flowers all year in our cold greenhouse.) (50+ seeds)

SECTION III : SEED FROM CULTIVATED PLANTS AND OTHER AREAS

So many items listed in Section III of our September list would have to be deleted that we thought it better to send a completely new version incorporating many additional items. Please disregard Section III of the September list and refer to the following pages instead - if it is not there, we do not have any seed left. Apart from the list of sources in our September list, there is additional seed here from Simon Bond (Glos., UK), Kath Dryden (Herts., UK) and Michael Wickenden (Kirkoudbrighshire, UK). We still have some seed from the species featured on the back-page of the September list except for Dr. Beaufort-Murphy's Peruvian collections, of which we now have only the three listed here in Section II. We still have plenty Verbascum wiedemannianum (982.950) - a splendid thing. Don't miss it!

```
PRICE CODE A : $2.50 ; £1.50 ; DM4,50 ; FF15. - PRICE CODE D : $5.50 ; £3.50 ; DM10, - ; FF35. -

B : $3.50 ; £2.00 ; DM6, - ; FF20. - E : $7.00 ; £4.50 ; DM13, - ; FF45. -

C : $4.00 ; £2.50 ; DM7,50 ; FF25. - F : $10. ; £6.00 ; DM18, - ; FF60. -
```

\$3.50

; £2.00

DM6, -

\$4.00 ; £2.50 ; DM7,50 ; FF25. -

```
ACONITUM VOLUBILE The herbaceous, climbing Monkshood with lilac-blue tinged helmets in late summer.
                                                                                                          (20+ seeds)
AGAPANTHUS 'ARDERNEI' From a tall white with purple-flushed buds - likely to vary from seed. 1 m. high. (15+ seeds)
                                                                                                                       В
   'HEADBOURNE HYBRIDS' From hardy, mid-blue clones - 'Profusion' and some named Lewis Palmer clones.
                                                                                                          (20+ seeds)
   'MIDNIGHT BLUE' From Michael Wickenden's strain of the richest blue forms of these African lilies.
                                                                                                          (20+ seeds)
                                                                                                                       В
ALLIUM CARINATUM subsp. PULCHELLUM Umbels of many purple-pink bells. 50 cm. Excellent garden-plant.
                                                                                                          (15+ seeds)
                                                                                                                       A
   ERUBESCENS Silvery lilac heads. 80 cm. Originally from a Paul Furse coll. - Caspian coast of Iran.
                                                                                                          (15+ seeds)
   SUWOROWII Hemisphaerical umbels of rose-violet stars. Tall Central Asian near A. rosenbachianum.
                                                                                                          (15+ seeds)
ANEMONE RIVULARIS White, blue-backed cups on branching stems. 60 cm. A lovely Himalayan meadow-plant.
                                                                                                          (20+ seeds)
ANEMONOPSIS MACROPHYLLA One of those beautiful Japanese woodland-plants like nothing else - a monotypic genus of
   the Ranunculaceae. Branching 50 cm. stems of waxy, lavender-blue and white columbines in late summer. (20+ seeds)
                                                                                                                       C
AQUILEGIA FORMOSA Fine, robust form, originally from Vancouver via Denver B.G. Scarlet & yellow. 60 cm. (50+ seeds)
                                                                                                                       A
ARUM BYZANTINUM From N. Stevens - "the true plant" - distinct in its purple-brown spadix. NW Turkey.
   CONCINNATUM (= A. nickellii) From a Furse & Synge coll. Huge, yellowish spathes and spadix.
                                                                                                            (10 seeds)
                                                                                                                       В
   CONOPHALLOIDES var. VIRESCENS E.K. Balls coll. Narrow spathes with slender bright-yellow spadix.
                                                                                                            (10 seeds)
                                                                                                                       В
   CONOPHALLOIDES var. VIRESCENS N. Stevens coll. Green spathes, whitish inside. Grey spadix. Tall.
                                                                                                            (10 seeds)
                                                                                                                       В
   CRETICUM From the F.C.C. form, originally maintained at Kew of this soft-yellow, scented species.
                                                                                                             (8 seeds)
                                                                                                                        C
   CYRENAICUM Striking large spathes, purple inside. Tender Libyan relative of A. palaestinum.
                                                                                                            (10 seeds)
                                                                                                                       В
   ELONGATUM Elegant type-race from N Iran into Central Asia. Short-stemmed, brown-purple spathes.
                                                                                                            (10 seeds)
   EUXINUM Hardy dwarf from NW Turkey. Spathes purple outside; white with a purple border inside.
                                                                                                             (8 seeds)
                                                                                                                       D
   HYGROPHILUM Narrow, green, twisted spathes with purple spadices. Original material from Israel.
                                                                                                            (10 seeds)
                                                                                                                       В
   ITALICUM - SICILIAN FORM From material coll. David Drummond, 1985: SW Sicily, SW of Campobello di Mazara on limestone. The largest spathes of any Arum Mike Tucker has seen - yellowish with a few purple spots. (8 see
                                                                                                             (8 seeds)
                                                                                                                       Ð
   ORIENTALE One of the finest. Huge, boat-shaped, brown-purple spathes. Reasonably hardy in the UK.
                                                                                                            (10 seeds)
                                                                                                                       В
   PURPUREOSPATHUM Magnificent, shiny, purple spathes, coloured on both surfaces. Cretan endemic.
                                                                                                             (8 seeds)
ASTRANTIA MAXIMA Large, strawberry-pink heads on 50 cm. stems from running mats of 3-lobed leaves.
                                                                                                           (20+ seeds)
AZORINA VIDALII Giant, pink, shrubby Campanula from the sea-cliffs of the Azores. Best frost-free.
                                                                                                           (50+ seeds)
BERGENIA - RED HYBRIDS Mainly from our own clones, like 'Bartok' & 'Bizet', derived from 'Ballawley' and with
   excellently coloured winter-foliage but also with some seed from newer German hybrids.
                                                                                                           (50+ seeds)
                    All from the best of the white clones initiated by Eric Smith's crosses with B. stracheyi
   'Alba' - 'Brahms', 'Britten', 'Bach', etc. May produce more apple-blossom pinks than white. Compact. (50+ seeds)
                                                                                                                        В
         AMETHYSTINA Delightful little bulb like a miniature sky-blue bluebell. 15 cm. Hardy in UK.
                                                                                                           (20+ seeds)
BUDDLEIA GLOBOSA From Michael Wickenden's new Chilean collection - variable from yellow to orange.
                                                                                                           (20+ seeds)
CALOSCORDUM NERINIFLORUM Dainty, bright-pink, summer-flowering Central Asian bulb in the Alliaceae. 15 cm.
                                                                                                                 (15+) B
CAMPANULA COLLINA Excellent, easy, bright purple species, originally from a Martyn Rix Turkish coll.
                                                                                                           (50+ seeds)
   HETEROPHYLLA Prostrate, perennial endemic of the Cyclades. Rosettes of smooth, spatulate leaves and radiating
   stems of lavender-blue, wide-open flowers over a long period. Excellent alpine-house plant.
                                                                                                           (50+ seeds)
CROCOSMIA - BRESSINGHAM HYBRIDS From some of Alan Bloom's crosses with Curtonus - 'Lucifer', etc. 1 m. (20+ seeds)
   MASONORUM From 'Flamenco', selected by Eric Smith as his best-coloured clone - tomato-orange. 60 cm. (10 seeds)
CROCUS BIFLORUS subsp. PULCHRICOLOR Rich violet-blue in spring. Happy outside in cold, wet areas.
                                                                                                           (20+ seeds)
   HADRIATICUS Autumn-flowering from W Greece. White with yellow throat & scarlet stigma. Bulb-frame.
                                                                                                            (10 seeds)
                                                                                                                        B
   PELISTERICUS Rich violet, snow-melt species - more information on back-page of September list.
CYCLAMEN Rather late now for northern hemisphere growers to expect germination before autumn-winter 1993-94
    (though soaking seed in warm water for 24 hours before sowing appears to aid germination) but right for summer-
   autumn sowing in the southern hemisphere. For further information, C. Grey-Wilson's monograph is unrivalled.
   COUM - MIXED Reds, pinks, white. Hardy.
                                                   (15+) B
                                                                      HEDERIFOLIUM 'SILVER CLOUD'
                                                                                                                 (15+)
                                                                                                                        D
   COUM - PINK Plain & marked foliage.
                                                   (15+) B
                                                                      INTAMINATUM - PLAIN LEAVES White. Hardy. (20+)
                                                                                                                        В
C. COUM - WHITE All flower winter-spring.
                                                   (15+) C
                                                                   C. LIBANOTICUM Sumptuous pink. Tender.
                                                                                                                 (20+)
                                                                                                                        В
C. COUM - SELECTED LEAVES Including some silver. (15+) C
                                                                      LIBANOTICUM - WILD FORM Elegant. Distinct. (10)
   COUM - PEWTER LEAVES Ex 'Maurice Dryden' &c. (15+)
                                                                   C. PERSICUM White & pink. Tender. Spring.
                                                                                                                 (20+)
                                                                                                                        B
C. CILICIUM f. ALBUM Pure white. Autumn. Hardy.
                                                   (10)
                                                                      PERSICUM - DEEP PINK
                                                                                                                 (15+)
C. CYPRIUM White with pink nose. Tender.
                                                                      REPANDUM 'ALBUM' Proportion will be white. (10)
                                                   (15+) B
                                                                                                                        E
   GRAECUM Pink. Variable leaves. Tender.
                                                   (15+)
                                                         В
                                                                      REPANDUM subsp. PELOPONNESIACUM BM 5053
                                                                                                                   (8)
                                                                                                                        D
   HEDERIFOLIUM - MIXED Pink & white. Hardiest
                                                   (20+)
                                                         A
                                                                   C. PURPURASCENS Rose-pink, hardy, summer.
                                                                                                                 (15+)
                                                                                                                        В
C. HEDERIFOLIUM 'APOLIO' Unrivalled leaves.
                                                                   C. PURPURASCENS 'SILVER LEAVES' (Limone)
                                                                                                                 (15+)
                                                                                                                        D
C. HEDERIFOLIUM 'WHITE APOLLO' White. Same leaves. (15) D
                                                                   C. TROCHOPTERANTHUM From PD 25579
                                                                                                                 (15+)
DAPHNE PONTICA Scented, yellow-green flowers in early spring. Polished evergreen leaves. 1 m. shrub
                                                                                                            (10 seeds)
                                                                                                                        A
   TANGUTICA White, purple-backed flowers. Excellent, evergreen, 60 cm. shrub.
                                                                                                            (10 seeds)
                                                                                                                        В
PRICE CODE A
                  $2.50
                         ; £1.50
                                  ; DM4,50
                                                 FF15. -
                                                                PRICE CODE D :
```

\$5.50

\$7.00

\$10.

; £3.50 ; DM10, -

:

DM13. -

DM18, -

.

FF45. -

€4.50

£6.00 ;

```
DAUBENYA AUREA - RED FORM Amazing, dwarf, scarlet, snow-melt bulb from high in the Roggeveld Berge, RSA.
                                                                                                           Should
   be growable in UK in alpine-house conditions. See back-page of September list for more information.
                                                                                                          (8 seeds)
DEINANTHE BIFIDA Hardy, herbaceous relative of Hydrangea from mountain-woods in S. Japan. Rough, pale-green leaves
   and clusters of drooping, fleshy, cream, sterile flowers. Sheltered shade - hates cold winds. 40 cm. (50+ seeds)
<u>DELPHINIUM SEMIBARBATUM</u> (= D. zalil ?) Pale yellow, summer-dormant Central Asian for the bulb-frame.
                                                                                                                     В
                                                                                                        (30+ seeds)
DIERAMA PAUCIFLORUM A dwarf species, about 30 cm. high, from marshy areas around 2200 m. in the Drakensberg - from
   a C.D. & R. coll. Little tufts of very fine, grassy foliage and pink bells on wiry stems.
                                                                                                                     C
                                                                                                        (10+ seeds)
   PULCHERRIMUM - PALER SHADES Consummately graceful, arching, 2 m. stems of pendant bells. Paler pinks.
                                                                                                               (20+)
   PULCHERRIMUM - DEEPER SHADES From our carmine-pink clone, 'Blackbird' seedlings, etc.
                                                                                                        (15+ seeds)
DIGITALIS DAVISIANA Pale-yellow, orange-veined, perennial Turkish foxglove near D. grandiflora.
                                                                                                        (100+ seeds)
   LAMARCKII Furry, fawn, purple-veined flowers with white lips - 60 cm. perennial from N Turkey
                                                                                                        (100+ seeds)
DIPLARRHENA MORAEA Australian iris, borderline hardiness in U.K. White flushed lilac & yellow. 50 cm.
                                                                                                        (20+ seeds)
DODECATHEON ALPINUM Robust, wet-growing shooting-star. Distinct lilac-pink, 4-lobed flowers. 60 cm.
                                                                                                        (30+ seeds)
                                                                                                                     A
   DENTATUM Creamy white flowers with contrasting maroon-black anthers. Seldom sets seed in U.K.
                                                                                                        (20+ seeds)
                                                                                                                     В
   PULCHELLUM A good robust race from the Laramie Hills - sometimes as dark as 'Red Wings'. 60 cm.
                                                                                                        (30+ seeds)
   LITTORALE Striking & puzzling plant only known from the Sooke shoreline in. British Columbia - now
                                                                                                       apparently
   built-over. Has been called D. hendersonii Sooke Var. Almost stemless carmine flower-heads.
                                                                                                        (20+ seeds)
EREMURUS 'SHELFORD HYBRIDS' Reputedly E. olgae x E. stenophyllus. Ambers & oranges. 1-2 m. high.
                                                                                                        (15+ seeds)
                                                                                                                     В
FRANCOA SONCHIFOLIA Totally hardy in UK in our experience. Wands of pale pink flowers 1 m. high.
                                                                                                        (100+ seeds)
                                                                                                                      A
FRITILLARIA AFFINIS - VANCOUVER IS. FORM Very dark, dainty flowers on tall slender stems. From Kath Dryden. (15+)
   BUCHARICA Especially fine form from Romat Gorge, Tadjikistan, grown by Norman Stevens. White.
                                                                                                        (15+ seeds)
                                                                                                                     C
   CRASSIFOLIA (subsp. crassifolia) Large, yellow-green & maroon bells. Seldom-seen, dwarf type-race.
                                                                                                        (15+ seeds)
                                                                                                                     ¢
                                                                                                       Turkey, near
   CRASSIFOLIA subsp. KURDICA From an interesting, 20 cm. high, well-coloured form coll. N. Stevens -
   Timar, NE of Lake Van, growing in fields with Iris barnumae - a very unusual site for this.
                                                                                                        (15+ seeds)
   GRAECA (var. graeca) Dwarf with a single wide bell. Purple-brown with yellow-green fascia.
                                                                                                        (15+ seeds)
                                                                                                                     В
   GRAECA var. GUICCARDII From the type-locality, Mt. Parnis. Taller with more than one flower.
                                                                                                        (15+ seeds)
   GUSSICHIAE Distinct from F. graeca & F. thessala in its winged capsule. Yellowish-green & fawn.
                                                                                                        (15+ seeds)
   LUSITANICA From a vigorous form grown by Dave Hoskins - no data. Yellow-green and brown.
                                                                                                        (20+ seeds)
   MELFACRIS The elegant Snakeshead of wet, W European meadows. From various purple & white forms.
                                                                                                        (20+ seeds)
   MESSANENSIS subsp. GRACILIS - DARK FORM Grown by Norman Stevens from stock derived from Cedric Morris.
                                                                                                               (20+)
   MICHALLOVSKYI Fat, glossy, mahogany-brown bells tipped with yellow. Has proved very 'growable'.
                                                                                                        (20+ seeds)
                                                                                                                     A
   PONTICA From a "huge-flowered, apple-green & lime-yellow" form grown by Kath Dryden. "A cracker" !
                                                                                                        (20+ seeds)
   PYRENAICA Like the preceding, best grown outside in UK. Yellow inside; dark brown outside. 30 cm.
                                                                                                        (15+ seeds)
                                                                                                                     В
   RADDEANA Daintier, 40 cm., pale-yellow version of F. imperialis. Not difficult in a bulb-frame.
                                                                                                         (15+ seeds)
                                                                                                                     C
   STENANTHERA Easiest of the difficult Rhinopetalums. Pale-pink with purple nectaries. Bulb-frame.
                                                                                                         (15+ seeds)
GAULTHERIA RIGIDA A dwarf, evergreen shrub with bristly stems passed on to us by Barry Starling for the new peat-
   -bed in our cold greenhouse - coll. by Jim Luteyn (under 10243) in the N Andes - possibly Colombia.
                                                                                                                     C
                                                                                                        (50+ seeds)
GENTIANA ACAULIS From a fine, free-flowering garden-form, originally from Froyle Mill, Hampshire, UK.
                                                                                                        (50+ seeds)
   DINARICA From Simon Bond's splendid clone, which deservedly triumphed, winning the Farrer Medal, at the A.G.S.
   Jubilee conference at Exeter in 1989. The best "G. acaulis" type for limy soils in the U.K.
                                                                                                         (30+ seeds)
                                                                                                                     В
   MAKINGI Erect, 50 cm. wet-grower from Japan. Dark blue trumpets in autumn followed by red foliage.
                                                                                                        (50+ seeds)
   TRIFLORA var. JAPONICA - WHITE FORM From a pure-white form of this late-flowering Japanese plant. The preceding
   can also be included under G. triflora, quite a widespread species, up to 80 cm. high.
                                                                                                         (30+ seeds)
   VERNA The incomparable, azure-blue Spring Centian in a good, cultivated race - lovely in a trough.
                                                                                                        (50+ seeds)
          FROM 'BROOKSIDE' Michael Wickenden's seed from this new clone - 40 cm. high with profuse,
                                                                                                      cup-shaped
   soft-blue flowers over a long period. We know nothing of its origin or parentage - may vary a lot.
                                                                                                         (10+ seeds)
   MACRORRHIZUM From intensely coloured, carmine 'Czakor', deepest clone of this ground-coverer.
                                                                                                         (15+ seeds)
   PRATENSE f. ALBIFLORUM White-flowered Meadow Cranesbill. Usually comes fairly true. 1 m.
                                                                                                         (15+ seeds)
                                                                                                                     A
   SANGUINEUM From Max Frei's outstanding clone 'Elspeth' - bright purple-reds for the sunny border.
                                                                                                         (10+ seeds)
   WALLICHIANUM This appears to be the genuine wild plant at last, coll. by Udai Pradhan in N India.
                                                                                                       Wide-trailing
   prostrate stems with deep rose-pink, white-centred flowers. Vigorous here and flowers all summer.
                                                                                                         (10+ seeds)
                                                                                                                     В
   WALLICHIANUM 'BUXTONS VARIETY' Better-known lavender-blue form with larger white centres. Lovely,
                                                                                                         (10+ seeds)
GLADIOLUS MACULATUS subsp. MERIDIONALIS Salmon-flowered winter-grower from the Cape. Frost-free.
                                                                                                         (10+ seeds)
   PALUSTRIS Dainty, hardy, red-purple species from habitats which are wet in spring. About 50 cm.
                                                                                                         (20+ seeds)
HELLEBORUS. Too late now for northern hemisphere growers to expect germination this winter - wait till next season
- but, by all accounts, our 1992 seed will still germinate in the southern hemisphere if sown before autumn there.
   FROM 'ANDROMEDA' (and similar) Good purples. (20+)
                                                                 FROM NAMED BUCKSHAW HYBRIDS
                                                                                                               (20+)
                                                                                                                     В
   FROM 'COSMOS' Even maroon speckles on white. (20+) C
                                                                 FROM SELECTED MCLEWIN SEEDLINGS
                                                                                                               (20+)
   FROM SELECTED HEAVILY SPOTTED Pale to deep pinks with especially heavy marcon to purple-black speckles
                                                                                                               (20+)
HERBERTIA LAHUE subsp. AMOENA Like a little violet Tigridia. Original stock from Argentina. Frost-free. (20+ seeds) B
```

PRICE CODE A :

\$2.50 ; £1.50

\$3.50 ; £2.00

C: \$4.00; £2.50; DM7,50;

; DM4,50 ; FF15. -

; DM6, - ; FF20. -

PRICE CODE D

\$5.50

\$7.00 ;

; £3.50

£4.50

£6.00

;

DM13, -

DM18, -

FF45. -

```
SEED FROM CULTIVATED PLANTS
HEUCHERA CYLINDRICA Lovely lead-green, white-veined foliage. From the selected clone 'Greenfinch'
                                                                                                        (50+ seeds)
HOSTA X TARDIANA From 'Halcyon' & 'Eric Smith'. Should give some good, compact, smooth grey-blues.
                                                                                                        (15+ seeds)
   VENUSTA Tiny, creeping, green-leaved clumps. Fine purple flowers. 25 cm. Should come evenly & true. (15+ seeds)
HYDRANGEA MACROPHYLLA subsp. SERRATA From the lovely clone 'Diadem', dwarfer, earlier and with paler green leaves
   than any other we grow. Exquisite lace-cap heads of pale-blue to pinkish in our very acid soil.
                                                                                                       (100+ seeds)
                                                                                                                     В
                                                                                                      splendid!
INULA MACNIFICA Big, broad leaves and huge, fringey deep-yellow daisies. Almost 2 m. in moist soil -
IRIS CHRYSOGRAPHES 'BLACK FORM' Velvety black-violet, Chinese 'Sibirica' for a moist site. 40 cm.
                                                                                                        (15+ seeds)
   MILESII Himalayan 'Evansia' with lavender-pink, purple-mottled flowers. 70 cm. Easy & hardy here.
                                                                                                        (10+ seeds)
                                                                                                                     В
   ORIENTALIS Imposing 'Spuria' with greyish leaves and stems to over 1 m. White with yellow signal.
IRIS subgenus Scorpiris - We still have a few of the following 'Junos' for the specialist bulb-grower :
   LINIFOLIA Miniature white & luminous yellow.
                                                   (5) E
                                                                  I. NICOLAI Pale to deep violet. Orange crest. (5) E
   MAGNIFICA Large, easy, pale-blue to 1 m.
                                                 (15+) A

    PERSICA Lime to sea-green. Good form.

   VICARIA Norman Steven's fine white, yellow-orested form from the Romat Gorge, Tadjikistan.
                                                                                                          (8 seeds)
IRIS subgenus Iris, Section Oncocyclus - A few Israeli 'Oncos' from David Shahak's stock - see September list.
   HAYNEI Appears dusky purple. Black beard
                                                  (10) C
                                                                  I. SAMARIAE Deep maroon speckles on white. (10) C
   MARIAE HYBRIDS Pinkish violet. Black beard.
                                                  (10)
                                                        C
                                                                  I. SUSIANA HYBRIDS Purple-black veined grey. (10)
   URMIENSIS HYBRIDS Our 1966 colls. of this yellow Iranian steppe iris were used to produce these.
                                                                                                         (10 seeds)
KIRENGESHOMA PALMATA Aristocratic, 1 m. high, Japanese woodlander. Waxy, pale-yellow bells in autumn.
                                                                                                        (20+ seeds)
                                                                                                                     В
KNIPHOFIA CAULESCENS Blue-grey, yucca-like clumps. Dense racemes of lemon-cream from coral-red buds.
                                                                                                        (15+ seeds)
LATHYRUS VERNUS 'ALBO-ROSEUS' Neat clumps of pink & white pea-flowers in early spring. 30 cm.
                                                                                                        (15+ seeds)
LILIUM LEDEBOURII From Ann Ala's coll. of the very local Iranian form. White speckled purple. 1 m.
                                                                                                        (15+ seeds)
   MARTAGON f. ALBUM A lovely, ivory-white, green-tinged version of this growable species.
                                                                                                        (20+ seeds)
   MARTAGON - DEEP PINKS Selected deep forms, originally ex Yugoslavia, from Norman Stevens.
                                                                                                        (20+ seeds)
   MARTAGON 'QUARRY WOOD STRAIN' Very variable from paler pinks to dark forms. Some whites
                                                                                                        (30+ seeds)
   aff. MONADELPHUM From two mysterious clones, possibly originally of wild origin, grown by Kath Dryden - they
   key-out as L. ledebourii but in Transcaucasia this group seems variable & intergrading. Creamy flowers.
                                                                                                              (20+) B
   MONADELPHUM var. SZOVITSIANUM Superlative, reliable, garden-race of this pale-yellow Caucasian.
                                                                                                        (15+ seeds) B
   POLYPHYLLUM Parents grown by Dave Hoskins from a 1983 Chris Chadwell seed coll. : KBE 93 - Kashmir,
                                                                                                        NW of
   Pahlgam, 2200 m. Exquisite, pendant ivory flowers dotted with purple. Reputedly rather difficult.
                                                                                                        (15+ seeds)
                                                                                                                     D
   <u>POMPONIUM</u> Narrow-leaved, brilliant scarlet species from the limestones of SE France. 50 cm.
                                                                                                        (10+ seeds)
                                                                                                                     C
   PYRENAICUM From a tall, 1.5 m., large-flowered form grown by Kath Dryden. Bright yellow, speckled.
                                                                                                        (15+ seeds)
   PYRENAICUM f. RUBRUM Orange-red, maroon-speckled form, reputedly from N Spain. Seldom seen. 60 cm.
                                                                                                        (15+ seeds)
   REGALE Huge, white, scented trumpets, flushed brown-pink outside. Superb, easy garden-plant. 1 m.
                                                                                                        (20+ seeds)
                                                                                                                     A
   TSINGTAUENSE Distinct, bright-orange, NE Asian. Very hardy & good outside in NE USA & UK. 70 cm.
                                                                                                        (15+ seeds)
MANDEVILLA SUAVEOLENS Beautiful Argentinian climber with scented, white flowers. Hardy in S & W UK.
                                                                                                        (15+ seeds)
MUSCARI AUCHERI - BICOLOURED FORM Striking selection by N. Stevens from near Lake Abant, NW Turkey.
                                                                                                        (20+ seeds)
   CAUCASICUM Handsome, E Turkish Leopoldia. Yellowish fertile flowers; sterile violet tassel.
                                                                                                        (15+ seeds)
MYOSOTIDIUM HORTENSIA The incredible Chatham Island forget-me-not from Terry Hatch. Like a giant, celestial-blue
   Bergenia - huge, ribbed, shining leaves. Loves a rich, peaty, N-facing bed here - cool & moist.
                                                                                                          (8 seeds)
NARCISSUS. Only a few of the following left now - we hope for a longer listing in our next, 1993, list.
   BULBOCODIUM var. CRAELLSII Greenish white.
                                                 (10+) C
                                                                  N. FERNANDESII Sect. Jonquillae. Yellow.
                                                                                                               (10+) B
                                                 (10+)
                                                                  N. PACHYBOLBUS
                                                                                 Sect. Tazzetae. White
                                                                                                               (10+)
                                                                                                                     В
   BULBOCODIUM var. NIVALIS JWB 90-21 Yellow.
                                                                                                               (10+)
   CUPULARIS Sect. Tazzetae. Pale yellow.
                                                 (10+) B
                                                                  N. ROMIEUXII var. RIFANUS JWB 89-28
                                                                                                                     C
ORNITHOGALUM NARBONENSE Cylindrical racemes of white flowers. 1 m. An excellent border-plant in sun.
                                                                                                         (20+ seeds)
PARONIA MLOKOSEWITSCHII Beautiful, pale-yellow, Caucasian endemic. Usually an excellent garden-plant.
                                                                                                          (10 seeds)
                                                                                                                     В
   VEITCHII var. WOODWARDII Nodding, clear-pink flowers. Glossy, bright-green leaves. 40 cm.
                                                                                                           (8 seeds)
PAPAVER PAUCIFOLIATUM From an E. Pasche coll. (83-65): Kars, NE Turkey. Local member of the P. orientale group
    with unblotched, brick-red flowers. Proving a good border-plant with Mike Tucker (Somerset, UK).
                                                                                                         (50+ seeds)
POLEMONIUM PAUCIFIORUM Pale-yellow, 20-30 cm. high, herbaceous plant. Unusual and attractive.
                                                                                                         (20+ seeds)
                                                                                                                     A
FRIMULA SCOTICA Tiny, deep-purple, farinose species, surely the most exquisite of British endemics.
                                                                                                         (50+ seeds)
                 Given to us as originating from a coll. of wild seed in the Yemen, this seems indeed to be the
   true plant, flowering autumn, winter & spring in our unheated greenhouse. Soft-yellow flowers. 50 cm. (50+ seeds)
RHODOCHITON ATROSANGUINEUM Beautiful Mexican climber. Fendant black-purple flowers with rose calyces.
                                                                                                         (20+ seeds)
                             Splendid, wrinkled bronze leaves. Raspberry-pink flowers. 1 m. Moist.
                                                                                                        (100+ seeds)
ROMULEA BULBOCODIUM -- KNIGHTSHAYES FORM Rich violet, gold-centred "crocuses". Hardy in S England.
                                                                                                         (30+ seeds)
   BULBOCODIUM var. LEICHTLINIANA A fine white form with a yellow throat from Norman Stevens.
                                                                                                         (30+ seeds)
```

```
PRICE CODE A: $2.50; £1.50; DM4,50; FF15. --
                                                     PRICE CODE D :
                                                                   $5.50 ; £3.50 ;
                                                                                    DM10, - ; FF35. -
              $3.50 ; £2.00 ; DM6, - ; FF20. -
                                                                         ; £4.50 ; DM13, - ; FF45. -
                                                                   $7.00
                                                                          ; £6.00 ;
                                                                                    DM18, - ; FF60. -
              $4.00 ; £2.50 ; DM7,50 ; FF25. -
                                                                   $10.
```

ROSCOEA CAUTLEIOIDES Exotic-looking, hooded, pale-yellow flowers. 30 cm. Absolutely hardy. Shade. (20+ seeds) A SCILLA PERSICA From a J. Andrews & N. Stevens coll. : Beyez Da., SE Turkey. Pale-blue. Wet in spring. (15+ seeds) A SELINUM TENUIFOLIUM "The queen of umbellifers" wrote E.A. Bowles - foliage finely cut into a soft-green filigree. TRICYRTIS HIRTA Cymes of erect, white flowers speckled with purple. Autumn. 30 cm. Rich soil in shade. (20+ seeds) A TRILLIACEAE. The following is moist-stored seed from Kath Dryden. Please order as soon as possible for wintersowing. See under Trillium in Section I of our September list for more details of the germination pattern. We still have some of each of the wild Trillium collections listed - may not germinate until 1993-94 season now. PARIS POLYPHYLLA var. YUNNANENSIS Beautiful, 80 cm. high Trillium relative. Elegant green flowers. (10+ seeds) C TRILLIUM ERECTUM From the typical red-velvet form of this species from the eastern USA. 50 cm. (15+ seeds) C ERECTUM X FLEXIPES Hybrid confirmed by Fred Case. May produce whites, reds or bicolours. 50 cm. (15+ seeds) D RIVALE Cultivated seed, including some from proven good pinks. Loveliest of the dwarfer species. (15+ seeds) D TROPAFOLUM SPECIOSUM Unrivalled, hardy, S Chilean climber with delicately cut, pale-green leaves and stunning scarlet flowers. Loves a rich, peaty soil in our cool, moist climate but not everybody's plant. (8 seeds) B TULBACHIA VIOLACEA Long-flowering S African like a miniature lilac agapanthus. Fully hardy in UK. 60cm. (15+ seeds) A TULIPA SPRENCERI Latest of all tulips with elegant, orange-scarlet flowers. Grows best in light-shade in the open garden in the UK. Seed seems to germinate better if sown direct outside - we'll send enough for this. (50+ seeds) STAFFII Bright-red flowers open flat on greyish undulate leaves. W Iran. Bulb-frame only in UK. ZIGADENUS ELEGANS Summer-flowering bulb with racemes of creamy green stars. 50 cm. Hardy in a sunny site. (20+) A

HORTICULTURE: POSITIVE CONSERVATION Our comments on the self-righteous and poorly informed attitudes and activities of a very small but vociferous number of professional "conservationists" in the introduction to our September list have resulted in a large number of letters and remarks. Apart from some mildly critical points made by horticultural journalist Graham Rice, these have been wholly supportive. It has been very encouraging to find such a wealth of common-sense and realistic attitudes among all of you. Our thanks to everyone who wrote. We shall deal with this subject at greater length in our next main list and make a clear statement of our own position. In the meantime, it was encouraging to note that the Fall 1992 Bulletin of the American Rock Garden Society, which now has a clearly stated policy on such matters, had clear references to "digging up" members of the genera Eriogonum, Trillium and Helleborus in the wild. Jim Jermyn writes that he thinks "the Scottish Rock Garden Club could well soon offer a policy." In view of the fact that the Alpine Garden Society has apparently recently "issued a dispensation" to allow those who participate in their tour to South America to "dig up" Oxalis in the wild, it might be sensible for them to let us know where they stand as well. Robert Rolfe, a regular writer for the A.G.S. Bulletin, fearing for our safety, writes, "when I wrote something about plant collecting for the Bulletin years ago, one person memorably threatened to drive up the motorway and punch me on the nose." We have had no threats of violence - yet. Our own involvement is almost solely with seeds, which we consider offer by far the best means of introducing species into cultivation and the only method of maintaining them in the long term. While we have no intention of altering our name to 'Eco-seeds International' or claiming you can save the world in your back-yard, we intend to regularly feature important species on the back-page of our lists, as we did in our September list.

We hope this will emphasise to all of you what significant achievements are being attained by all of us involved in specialised horticulture and, at the same time, issue an ongoing challenge to the "conservation" bureaucrats to tell us what they have been "conserving" recently apart from their own jobs.

LILIUM SPECIOSUM var. CLIVORUM

Exactly four years ago, in our December, 1988 List, we offered a small wild collection of this extremely local Japanese plant made by Don Elick. From this collection, Dave Hoskins (Hampshire, UK) raised a small batch of seedlings, which flowered in 1992. These were hand-pollinated and we now offer the cultivated seed from them. In spite of the fact that commercial cultivars of L. speciosum are grown in enormous numbers, the wild type-form is quite a rare plant on the islands of Shikoku and Kyushu. This particular taxon was described in 1956 and Don Elick's 1988 collection was made in the type-locality: S Shikoku, Agawa river gorge, on shady damp cliffs. We have more recently-sown seedlings growing in our unheated greenhouse and guess that it will need to be grown under glass for much of the year in the UK. Put ideas of the selected, commercial cvs. of L. speciosum out of your mind; this is quite distinct. Here is Don's description: "Habit like a giant Tricyrtis...stems 6 ft. or longer (2 m.) with up to 20 smaller, light-pink flowers on very long pedicels." We see no reason why this unique plant should not be maintained in gardens. (12+ seeds) Price code: E

GENTIANA PARADOXA

At the risk of being tiresomely trendy, we draw your attention to another unique plant, featured on the cover of the Fall 1992 Bulletin of the American Rock Garden Society, with an accompanying note by Panayoti Kelaidis inside, and we are told possibly scheduled for illustration in the December Bulletin of the Alpine Garden Society. We have been listing seed of this species since 1988 but it may just have escaped your attention. All our seed has been sent by Hans-Erik Jensen (Frederickssund, Denmark) but we believe the original introduction is traceable back to the extraordinary, ageless botanist Prof. O. Schwarz of Jena, Germany, with whom we used to have periodic correspondance years ago (he described Primula archibaldii). He was also the discoverer and authority for Echinops emiliae, mentioned elsewhere in this list. Like the good Prof. Schwarz, this gentian is an ancient and extraordinary relic (good botanists who are good gardeners are rare indeed today). It survives in a few stations on the limestones at the tail-end of the Caucasus, above the Black Sea, in what is currently Abkhazia and part of the new republic of Georgia, though it seeks independence - SE of Sochi and NW of Sukhumi at around 1300 m. Alboff in the type-description of 1895 comments "species insignis pulchra distinctissima, Gentianarum hucus cognitarum nulli proxima." It is indeed unlike any other species with erect stems, about 25 cm. high, clothed in linear, verticillate leaves, bearing 1 or 2 trumpets, olive-green outside with bright blue plicae and lobes. Growable in rock-garden or pots. (50+ seeds) Price code: B

```
PRICE CODE A : $2.50 ; £1.50 ; DM4,50 ; FF15. - PRICE CODE D : $5.50 ; £3.50 ; DM10, - ; FF35. -

B : $3.50 ; £2.00 ; DM6, - ; FF20. -

C : $4.00 ; £2.50 ; DM7,50 ; FF25. -

F : $10. ; £6.00 ; DM18, - ; FF60. -
```