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## Late summer/autumn 2011

## All prices for single bulb

in EURO

## Dear friends!

This autumn I will be 65 . It could be time of retiring. Regardless of my very pessimistic mode when I wrote my previous catalogue, surgeons did wonders, and now I'm looking very optimistic to future and so my new catalogue is in front of you. I hope it isn't the last. As usually the greatest problem was to keep it "in size" so again more than 200 items from starting list were striped out. This case I striped out all representatives from some genera - so you will not find some plants offered year by year. Every year I promise myself to shorten collection, but number of items grown by me rises and rises and now it exceeds 5500 samples. It is so difficult to decide - what to grow and what not. Many were deleted from my lists last autumn, but number of stocks raised with each trip, with each catalogue received from other nurserymen, with each batch of seeds sawn.

Last year shortly before Christmas I got marvellous present - at Timber Press came out my new book CROCUSES. It was long waited, processing took almost two years and in genus, which is very popular between both - researchers and growers, it is very long time. So at present some things I would regard in different way and some new additions would be included. Limited size forced me to cut out many interesting observations, but in any case I hope you will find it useful. So I could name this catalogue as Crocus catalogue, although you will find many novelties between many other genera (corydalis, fritillaria, irises etc.), too.

Because of volcanic eruption last spring were cancelled a lot of flights and only very few visitors could reach me during open door days last year. This year I can give you only two occasions visit my garden because I'm planning several travels for next season and it means I will be away or too busy in garden.

Now all garden is covered by half meter of snow, and it is normal winter in Latvia, but days are started to elongate, so spring will come and I wish you all the best in new gardening year, much sun, rain only when it is needed and good blooming of your treasures!

## OPEN DOOR DAYS

This spring I can offer only two Open door days. 19-th of March will be Crocus Day - it is average date of spring Crocus flowering culmination in greenhouses. 30-th of April you can visit nursery and to see much more variability of blooming bulbs both - outside and in greenhouses. Then Corydalis is in peak as well. Of course, we can't predict fluctuations of weather. My nursery is situated 100 km from Airport of Riga and quite easy fundable. You can rent car or hire taxi. I can't offer plants for sale at that time, but orders will be accepted and catalogue available. If you want to visit me - please ask information by e-mail to janis.bulb@hawk.lv.

## TERMS OF BUSINESS

All my bulbs are harvested annually. Here they must be replanted early - we start replanting in the second part of August. Therefore, I must to receive your order before the $\mathbf{1}^{\mathbf{s t}}$ of August. Bulbs are shipped between $5^{\text {th }}$ and $20^{\text {th }}$ of August. Dispatching of later orders could be problematic; bulbs might be already planted at that time.

If you send the payment directly to me, I strongly recommend to you to pay by the personal cheque marked "not to exceed $\mathbf{x x x x}$ ", adding some extra for eventual additional postage costs especially if you are ordering large, heavy bulbs (some Allium, Colchicum, Fritillaria etc.). When your order has been completed, I will fill in the exact amount of your order on the check. If order is sent early, then please post-date cheque to prevent it becoming out of date at time of dispatch. I can accept checks in British Pounds, USA or Canadian dollars, in Euro or any other national currency by realistic exchange rate. You can send money to my accounts in SEB Bank of Latvia (preferable); Rabobank (Holland) or Ulster Bank (United Kingdom). At any case, I recommend you to consult first at your bank to avoid extra charges. Please make cheque payable to Janis Ruksans.

Please don't forget that our prices are in Euro, so, paying in USD, Pounds Sterling or other currency use actual exchange rate!
ORDERS are accepted 'Subject to Crop'. Please list a few alternatives if acceptable. Orders should be received before $1^{\text {st }}$ of August.
BULBS generally sent out in August by AIRMAIL POST. Prepaid orders will be dispatched at first.
POSTAGE MINIMUM for Europe - please add Euro 10.00; overseas - please add USD 15.00.
For large orders or ordering large, heavy bulbs (some Allium, Fritillaria,
Colchicum etc.) postage will be charged at cost.
PHYTOSANITARY CERTIFICATE - for each consignment please add USD/Euro 8.00.
No phytocertificate fees for EU!
ALL BANK CHARGES to be paid by customer.
INSURANCE - I do not assume the responsibility about lost or damaged parcels during the
postage, but I can provide an insurance against transit risks at the buyer's expense.
It is $2 \%$ of insurance value, for USA, Great Britain and Australia insurance is obligatory. Sorry, no insurance allowed for Norway, Germany!

No insurance for small parcels up to 2 kg of total weight allowed!

## YOU CAN PAY:

1) Sending your personal cheque directly to me. Please add 10 ,- Euro or 15 ,- USD or equivalent in other currency for each cheque to cover bank charges. No fee for GBP cheques.
2) In banknotes (undamaged) of any major currency at the current exchange rate. If customer sends out such a payment by mail it is entirely at his/her own risk! I recommend putting banknotes between postcards and sending by registered post.

3 ) sending your cheque or bank transfer to:

Bank transfers only!
Most preferable

SEB BANK of LATVIA, Cesis branch, SWIFT code UNLALV2X Raunas str. 8, LV-4101 Cesis, Latvia
Euro account IBAN number: LV71 UNLA 0050000615329 USD account IBAN number: LV40 UNLA 0050000615305 GBP account IBAN number: LV48 UNLA 0050000615355 Bank transfer, please.
or to:
No fees for payments by bank transfer in Euro.

Payment in £ sterling only, using current exchange rate.

RABOBANK, - Kop van Noord, BIC code: RABONL2U Postbus 106, 1780 AT DEN HELDER<br>Holland, Acc. No. 1090.06.496<br>IBAN number NL93 RABO 0109006496<br>or to:<br>ULSTER BANK LIMITED, Omagh branch, Branch code 98-12-30<br>14 High Street, Omagh, Co. Tyrone BT78 1BJ<br>Northern Ireland, Great Britain. SWIFT code: ULSBGB2B<br>Acc. No. 65552096<br>IBAN number GB17 ULSB 98123065552096

# INVOICES will be sent in separate envelope at the same time as bulbs or a little later. Payment terms - 30 days from the date of Invoice. Prepaid orders will be dispatched at first. <br> NEW CUSTOMERS are requested to send payment (cheque, cash) WITH ORDERS including postage and all other charges (phyto + bank + insurance). <br> VISITORS are welcome, moderate accommodation provided (Hotel 15-30 km). <br> Please inform me about your visit well before coming. <br> MY TELEPHONES: fax +371-641-64-003 <br> tel +371-641-00-326, mob. tel +371-29-41-84-40 E-mail: janis.bulb@hawk.lv 

## COVER PICTURE

## PAEONIA

## 1. Paeonia ,mlokosewitschii" aff.

Peonies are not regarded as "bulb" but they have thick rootstock and are replantable in autumn, just at time when you plant back your bulbs. During my trip to Iran I saw in flowers fantastic peonies, one of them with flowers of incredibly bright yellow colour didn't known between herbaceous species before "Itoch" hybrids with tree-peonies were produced. This one is pure herbaceous peony of low compact habitus covered with large bright light yellow flowers covering mountain slopes. It certainly isn't Paeonia mlokosewitschii from Caucasus mountains where yellow hint is only slightly visible, nothing similar to this Iranian beauty. I'm offering three years old seedlings which will flower after 2 years. It is the best age for replanting. Take large pot and fill it with well drained soil mix where it can grow for several years. Don't forget about watering and fertilizing and you will be rewarded with fantastic flowers. May be price seems quite high but really it is low comparing with its rarity. We are ready to pay huge money for modern cultivars which are only pale shade of this natural beauty.

## ALLIUM

## 2. Allium acuminatum

An outstanding small onion which grow on volcanic plains and foothills of the American West in May and June. There are S-facing slopes coloured rose-violet in late spring. The $5-7 \mathrm{~cm}$ heads are on $10-15 \mathrm{~cm}$ stems with the tepals gracefully curling outward as they are tapering to sharp points. Rocky clay soils on grassy slopes.

## 3. Allium acutiflorum

Large pink flowers in dense umbel on $40-\mathrm{cm}$ high stem. Beautiful species of slender stature from S. France. Nice for rock garden where it flowers in early summer when most of alpines have finished. Definitely worth wider cultivation.
4. Allium akaka

Very variable in flower colour Turkish relative of $A$. karataviense with very dense flower-head between two wide, quite often longitudinally ribbed leaves. It is dwarf species with large flowerhead, but only 15 cm in height.

## 5. Allium alexejanum

Flowers greenish white with purple midrib in nice umbel on very short stem. Leaf one, elliptic. Earlier under this name the closely related A. nevskianum was offered, which differs in general appearance and purple flowers. Extremely rare. Stock comes from Astara Soru in Uzbekistan.

## 6. Allium amplectens

Numerous white flowers, pink suffused on mid-vein, in dense head on 30 cm tall stem. Early summer. One of the easiest of N American species. A stock originates from Walker Ridge, N Coast Range in California.
7. Allium anceps

Large umbels of whitish to pale pink greenish-veined perianths are presented on 15-20 cm scapes, with two leaves twisting around their base. The combination of nice tepals and exerted stamens produce attractive pincushioned-shaped heads. A noticeable carnation fragrance.

## 8. Allium atrorubens cristatum

A small, single-leaved allium from White Mountains in California closely related to the A. fimbriatum complex. The narrowly campanulate flowers are the palest pink with dark rose midveins. 2-3 dozen are produced in uncrowded umbels on $5-10 \mathrm{~cm}$ long scapes. Stony limestone slopes.

## 9. Allium backhousianum

Extremely rare species offered only by me. Flowers white with up to $1.5-\mathrm{cm}$ long linear segments in a tight umbel on 1.4-m high stem. Splendid addition to the tallest Alliums. From Fergana mnt. range.

## 10. Allium bisceptrum

This beautiful American allium species is similar to A. campanullatum but with flowers not spreading flat. Numerous narrow tepalled reddish, up-turned blossoms are arranged in open 2.5-5 cm heads on $15-22 \mathrm{~cm}$ scapes. From Mahogany Mnts. in Oregon where it grow at 1800 m altitude. Even dry flowers keep their nice purple colouring.

## 11. Allium bolanderi mirabile

The urn-shaped, red-purple flowers with tapered and reflexed tips are presented on long pedicels in an open umbel on 15-20 scapes. There is a dull silvery sheen to the outer surface of the tepals. A delicate and attractive onion. Whereas the tepals of var. bolanderi are narrowly ovate, those of var. mirabile are lanceolate. From Klamath Ranges in California.
12. Allium brandegei

A small allium from Mount Bennett Hills in Idaho with the large spherical heads of numerous white to rose colored perianths lying on the surface of the gravely soil. The pair of narrowly falcate leaves extend well past the inflorescence. Gravely bare slopes and flats vernally wet from snowmelt.
13. Allium caesium 'AQUAMARINE' (sin. 'Pskems Beauty')

A relative of A. caeruleum but much smaller version - only $30-40 \mathrm{~cm}$ high and with tubular leaves. Umbels more lax than in other forms, flowers are very light blue slightly greenish tinted with darker midvein, resembling summer sky shaded with light white clouds. Good drainage is necessary.

## 14. Allium caesium 'ZAAMIN'

More traditionally colored much darker form of this beautiful species with bright blue flowers and even darker midvein. From Zaamin, Turkestan mountain range. In other aspects very similar to the light form.

## 15. Allium campanulatum

This is one of the brightest purple forms of this variable species. Our stock is grown from seeds collected at Northern Sierra Nevada Range in California at 1100-1200 m where it grows at very exposed conditions. In nature almost stemless, here nice heads are on stem not higher than 15 cm .
16. Allium cassium hirtellum

Nice white flowering species from Turkey and Lebanon with hemispherical umbel of up to 20 wide petalled white flowers with thin soft green midrib and yellowish green centre on 30 cm long stem.
17. Allium chloranthum

Superficially similar to A. flavum but umbel is denser and flowers are greenish-yellow on 40 cm tall stem. Collected near Syrian border in S Anatolia, Nice for rock garden where it flowers when most of alpines are over, i.e. in midsummer. Not a difficult plant if good drainage is ensured.
18. Allium christophii

Large starry bright violet-purple flowers in a huge, lax umbel $20-30 \mathrm{~cm}$ in diameter on 30 cm long stem. Those are seedlings from plants originally collected (as A. bodeanum) by Jim Archibald near Mazandaran in Iran at 2000 m altitude. Prefers well drained, sunny position. Excellent!
19. Allium colchicifolium

Beautiful allium from NE Turkey with large semispeherical umbel of wide petalled white flowers with black ovaries in centre on $\sim 30 \mathrm{~cm}$ tall stem between two wide leaves. Very impressive species offered for the first time.

## 20. Allium crenulatum

Pleasing small American allium with two flattened falcate leaves. Flowers are broad petalled light pink with deeper pink midrib. Gravely soil to ensure good drainage and sunny spot is what this beauty needs. Charming and not difficult. From Olympic mnt., Clallam Co. Washington, at 2000 m .
21. Allium crispum

This dwarf Californian allium has flowers of exceptional beauty which each deserves to be admired at close-up. They are deep pink, comparatively big, widely cup-shaped with long and pointed segments. Some 5-10 of them are held in an umbel on a top of 10-15 cm tall, thin stem. Ensure good drainage!

## 22. Allium cupuliferum

Flowers large, narrowly cup-shaped, facing upwards, purplish. In the beginning umbel is dense, later becomes lax due to the elongation of pedicels, which grow to different length. One of the most attractive alliums. Height 50 cm . Hissar mnt. range, Tajikistan.
23. Allium darwasicum

Flowers slightly greenish white, all faced upwards, in dense very showy umbel on $40-\mathrm{cm}$ long stem. Very beautiful well growing species collected in Varsob valley, Tajikistan.
24. Allium darwasicum 'DARWAS WONDER' (yellow form)

Very distinctive intense greenish-yellow flowered form (one of the few yellow alliums with a true bulb). From Darvas mountains in Tajikistan. Nursed over many years until I was able to let it go to wider bulb enthusiast circles.

## 25. Allium decipiens subsp. quercetorum

Flowers almost white with slight lilac tint and darker midrib in dense spherical umbels on $40-50 \mathrm{~cm}$ long stem. It comes from the hardwood forests and their margins of the Crimean mountains and differs from type subspecies by a rose spathe, larger leaves, denser umbel, longer perianth segments, and by habitat (type subsp. is growing on open steppe).
26. Allium diabloense

The narrow white tepals with dark rose midveins are held erect creating a narrowly vase-shaped flower. These are in a few-flowered, but dense open umbel on 5-10 cm long scapes. Member of the A. fimbriatum complex.

## 27. Allium douglasii subsp. douglasii

A robust allium from Blue Mtns. in Oregon with an untold number of rich pink, vaseshaped flowers in congested, $5-7 \mathrm{~cm}$ heads on 25 cm scapes. The narrow tepals and exerted anthers are responsible for the bristly appearance of the inflorescence. The large, erect, sickle-shaped leaves contribute to the impressive display of flower and foliage. From vernally wet slopes.

## 28. Allium douglasii subsp. nevii

It is diminutive cousin of type subsp. douglasii with star shaped very light pink lavender (almost white) flowers in dense $5-\mathrm{cm}$ umbels on 15 cm stems. Grows on bare, vernally wet, well drained gravely clay soils.

## 29. Allium falcifolium

Very distinctive little allium from S Oregon and California with deep rose urn shaped flowers in rather crowded umbel and two flattened sickle-shaped leaves. Very attractive pot plant and surprisingly hardy here.

## 30. Allium fibrillum

A small allium, common on the fine gritty/sandy volcanic soils in the Blue Mtns. of Washington. The small, white flowers, with green midribs are congested into 3 cm wide umbels on short scapes. The pair of thread like leaves surpass the inflorescence. A very delicate onion.

## 31. Allium fimbriatum subsp. purdyi

This subspecies has more open, 7-8 cm umbels with 36-48 flowers on $10-15 \mathrm{~cm}$ long scapes. The perianths are slightly shorter and more bell-shaped than in subsp. fimbriatum. Colour is pale rose to lavender with darker midveins. Leaves tubular. From crumbly, flaky serpentine clay slopes in blue oak and grey pine woodlands of the Inner Coast Ranges in California.

## 32. Allium flavellum

This very nice late blooming species I collected in 1982 in Varzob gorge of Tadjikistan. Forms nice spherical loose umbels of narrowly campanullate yellowish white flowers. Absolutely hardy, but here needs growing in greenhouse to induce late summer flowering.

## 33. Allium flavum var. minus

An excellent and free-flowering seed raised stock better in all aspects than the 'normal' form of the species. Merits include dwarf growths, rich colouring and great variability in colour from bright yellow to lilac, including occasional reddish and even whitish toned plants. Good outside in the garden in a sunny, well-drained site, where it is tolerant but excellent in pots, too.

## 34. Allium geyeri var. chatterleyii

Differs from the typical A. geyeri by the length and layers of its fibrous bulb coats. The bright rose flowers are in open umbels on $25-30 \mathrm{~cm}$ scapes. Flowers in mid-summer and is one of the easiest American alliums under general garden conditions. Very tolerant to moist and dry growing conditions
35. Allium gypsaceum

Unique, nothing to compare with in allium world! The dense flower umbels on c .20 cm tall stalks are produced in early summer. They are packed of comparatively big, narrowly cup-shaped straw colour flowers, prominently veined bright purple both on mid-veins and margin of segments. Exquisite. From arid, serpentine mountains in S Uzbekistan.
36. Allium hirtovaginum

Only $10-20 \mathrm{~cm}$ tall allium abundantly blooming with campanullate purplish colored flowers on nicely arched pedicels. Summer bloomer, excellent for pots and rockeries. Collected near Milosh, E of Bodrum in Turkey.

## 37. Allium howellii var. clokeyi

Excellent American species with many-flowered dense umbels of white large flowers with exerted stamens on stout 30 cm tall stems. From W Transverse Ranges where it grows at 1600 m on bare slopes in a very fine silty soil.
38. Allium hyalinum

Loose umbels of white to pale pink flowers on $15-25 \mathrm{~cm}$ stems. From sandy granite soils in Sierra Nevadas, in places where is wet in spring. Very adaptable, multiplies rapidly in garden.

## 39. Allium isakulii subsp. nuratense

We found this beauty in one small gorge in Nura-tau mountains where it grew on vernally wet rocks and surprised by its large but loose flowerheads with large lilac flowers held on long pedicels. The first idea was that it is new species, but later I found that just this one was named by R. Fritsch.
40. Allium jajlae

Summer flowering species with beautiful light purple up looking flowers in dense umbel on medium high stem. From Crimea, collected near Simeiz.
41. Allium karataviense subsp. henrikii

This form markedly differs from existing stocks in having bright reddish-purple flowers in large umbel up to 20 cm in diameter on $20-30(!) \mathrm{cm}$ long stem which brings the flower-head well over the leaves. True gem named by me in honour of my friend Henrik Zetterlund. From Tovaksai, Karzhantau mnt. range E of Tashkent.

## 42. Allium karataviense 'RED GIANT'

Flowers deep reddish purple in very large dense umbel on short stem - it is one of the most magnificent forms of A. karataviense collected by Dr. A. Seisums and V. Voronin on Kurama ridge, Uzbekistan. Can reach gigantic size.

## 43. Allium kharputense

Excellent Turkish Allium species which we collected on limestone rocks in Akdag where it was much shorter than in cultivation. It makes up to 40 cm tall stem with large (up to 8 cm in diameter) dense white flowerhead well contrasting with blackish green ovary. Anthers creamy yellow.

## 44. Allium lacunosum var. lacunosum

A small charming allium growing in small colonies with 2 wiry leaves curling around and above the flowers. Moist through the winter and spring, drying by early summer. The pedicels are very short creating a crowded umbel of campanulate perianths with spreading to recurved tips. The tepals are glistening white with a translucent of green midvein aging dark violet.
45. Allium lemmonii

Californian species similar to A. anceps and platycaule. The most obvious difference is the habitat - vernally moist, rocky clay flats. Petals are broader and flowers composed in 5 cm umbels on 10 cm scapes. Their colour ranges from palest pink to pale violet, with rose-pink dominating. Unlike its relatives heads do not break off in order to disperse the seed.
46. Allium litwinovii

Flowers unusually bright blue, violet veined in tight umbels held on 40 cm tall stems. An excellent contender to widely known $A$. caeruleum with its brusque colour, as well as delicate overall appearance. From Sari-Chilek.
47. Allium monticola

The dense umbels of rich violet, urn-shaped flowers bear some resemblance to $A$. falcifolium with tapered but not strongly recurved tips. The solitary, cylindrical glaucous leaf curls from underneath the very short-stemmed umbel. From high altitudes on San Gabriel Mtns. in California, USA.
48. Allium myrianthum

One of my real favourites between Turkish Alliums which you can't to misidentify for its very small individual florets ( $\sim 2 \mathrm{~mm}$ ) which are arranged in large very dense flowerhead of amazing appearance, resembling small pussy-cat. Height can vary from $30-150 \mathrm{~cm}$ but my stock from roadside N of Antalya is of medium size $-50-70 \mathrm{~cm}$ tall.

## All bulbs offered by me are grown and multiplied only in my nursery - I'm not selling bulbs from nature.

## 49. Allium x nevsar

Between my seedlings of A. nevskianum in 1997 suddenly appeared nice plant of the same colour but with flower-head held on 40 cm long stem. Examination of flower clearly showed presence of A. sarawschanicum blood in it. Real wonder.

## 50. Allium nevskianum

Very beautiful species with a large umbel of reddish-purple flowers on a short stem between two wide bluish green leaves, somewhat resembling A. karataviense, but much more spectacular and better grower here outside. Collected on stone slip near Chinoro, Varsob gorge, Tajikistan (RK-8139).
51. Allium obliqum

One of the latest mid summer flowering tall growing allium in my garden. Flowers light yellow with slightly greenish tint in dense umbel on 1 m long stem. Excellent for garden and cut flowers. From W Sajan mnts., Siberia.
52. Allium oreophilum 'AGALIK'S GIANT'

This very beautiful, early flowering form has large dense umbel of magnolia-purple flowers on 40 cm stem, useful even for cut flowers. From Agalik, Seravschan mnt. range.
53. Allium oreophilum 'KUSAVLI CURL'

One of the most beautiful forms of this species, in which very dwarf habit is in combination with unusually twisted leaves. Marvellous show-winner in pots and beautiful for rockery, here easy in open garden as well.

## 54. Allium oreophilum 'SULEV'S DWARF'

It is the best of $A$. oreophilum varieties for growing in pots as is exceptionally dwarf, bearing darkest reddish purple dense umbel of large flowers on only 5 cm long stem, between 2 narrow leaves. Excellent selection made by my Estonian friend Sulev Savisaar.

NEW
15.00
55. Allium orientale

Very widespread and variable allium. This form was collected in Turkey, N of Akseki and it has large white flowers composed in almost spherical dense umbel. Ovary in my plants is dark green.
56. Allium platycaule

One of the most beautiful American alliums. Showy heads of big narrowly cup-shaped purplish-red flowers in rather dense globose (up to 8 cm diam.) umbels on stalks c. 10 cm long. Leaves are flat, sickle like.
57. Allium protensum

Close relative to well-known A. schubertii, differs in more compact habit and is fully hardy in comparison with its ally. Height $30-40 \mathrm{~cm}$. From S slopes of Sarimar mnt. (W end of SW Ghisar), South Uzbekistan.
58. Allium pseudowinklerianum

Flowers large, narrowly cup-shaped, purplish violet on $40-50 \mathrm{~cm}$ stem. Similar to A. cupuliferum, but umbel is more compact, different shape of leaves. Fergana mnt. range.
59. Allium rosenbachianum

It has huge umbel, up to 15 cm in diameter, of nicely arranged bright violet-purple flowers on 70 cm long stem. Its leaves are shiny green markedly narrowing towards the base and rather spreading. One of the best.
60. Allium sarawschanicum

Large airy umbels of violet flowers on 80 cm stem. The centre of flower umbel (pedicels) light green or purple. Very well growing, beautiful form from Agalik valley near Samarkand, Seravschan mnt. range, Uzbekistan.

## I must to receive vour order before the $1^{\text {st }}$ of August.

## 61. Allium scabriflorum

One of the gems of my collection which up to identifying I nicknamed "Little Blue-head Beauty". Late summer flowering allium with small, dense light sky-blue flowerheads on $40-50 \mathrm{~cm}$ tall stems. One of the last flowering species in my collection. I know no one similar to it.
62. Allium schoenoprasoides

By flower head it resembles A. schoenoprasum (for that its name) but stem is taller, flowers very light bluish, almost white. Makes beautiful bright green bulbs. From very high altitudes in Kugart, tolerates summer moisture.

## 63. Allium sewerzovii

Similar to A. fetisovii but slightly more robust plant and differing in wider leaves and flowers colour. Flowers pinkish lilac, height $0.8-1 \mathrm{~m}$. Collected in Kuramin mnt. range, Uzbekistan.
64. Allium siskiyouense

A dwarf version of A. falcifolium. The leaves are distinctly narrower. The urn-shaped flowers have broader tepals that have only slightly reflexed tips and are not as dramatically tapered. The flower colour varies from white to pale rose with a much darker mid vein. With age colour quickly changes to shades of rose-red to red violet often in the same inflorescence.

## 65. Allium sosnowskianum

It is almost impossible to misidentify it. Individual flowers are small, slightly greenish white with thin blue midrib composed in spherical dense umbel. Stem is side growing bringing the flowers in some distance from bulb.
66. Allium $x$ stipineva

This Allium appeared between seedlings of A. nevskianum in garden of E. Dambrauskas. In it combines all the best from both parents: A. nevskianum and A. stipitatum - large dense light purple flowerheads on $50-60 \mathrm{~cm}$ tall stem, it well keeps leaves during flowering time.
67. Allium subhirsutum

Very nice Turkish species from Baba-Dag mountains with large, pure white flowers in lax, spreading umbel up to 10 cm in diameter. Very nice, delicate species of unusual shape.

## 68. Allium suworowii

Flowers pinkish lilac in dense semiglobose to globose umbels on $70-80 \mathrm{~cm}$ long stem, leaves narrow. Need sunny, well drained place. From Sina, SE Uzbekistan. Great rarity available only from me.
69. Allium tchihatschewii

Excellent, dwarf mid-summer blooming allium with bright purple pendulous florets on long violet shaded pedicels composed in loose inflorescence on $15-22 \mathrm{~cm}$ long stem. Excellent pot plant for exhibition. From NE Turkey, S of Kusedagi gec. near Gumushane.

## 70. Allium tolmiei var. platyphyllum

Beautiful American allium from gravely clay flats very wet at flowering time, sun baked in late summer. From a pair of bold, broad, sickle-shaped leaves arises 10 cm scape with 7.5 cm sphere of pink, vase-shaped flowers.
71. Allium tolmiei var. tolmiei

A compact form with very delicate light soft pink colored flowers with a darker pink midvein in a little smaller heads than in subsp. platyphyllum on 5 cm scapes. The pair of leaves is narrower and not as strongly falcate.
72. Allium $x$ 'TURKISH DELIGHT'

Hybrid between A. akaka and A. lycaonicum selected by Dr. A. Seisums. In foliage it reminds former, flowers are somehow intermediate but from the later hybrid inherited delicate smell of carnations. Stocky plant with stem some 20 cm tall, very dense umbel of long lasting, cup-shaped pink flowers.

## 73. Allium unifolium

Flowers bright lilac pink in large umbels on 20 cm stem. Much more compact and darker toned with more pointed petals than usually grown Dutch form. Easy growable outside and excellent for rockery.
74. Allium woronowii 'WHITE BEAUTY'

Among seedlings of $A$. woronowii suddenly appeared few plants almost identical with original form but of purest white flower colour. There is no other similar allium species or cultivar at this time with white flowers.

## ALLIUM FAMILY MEMBERS FROM AMERICA

## 75. Bloomeria crocea

15 cm large starbursts of up to 50 golden yellow flowers on 30 cm scapes. The spreading, strap-shaped tepals are barely fused at the base encircling the stamens. The pedicels vary in length as the flowers develop giving a starburst effect to the inflorescence. From quite high altitudes ( 2000 m ).

Deep purplish-blue, 3-4 cm long, funnel-shaped flowers arranged of usually more than 15 in lax umbel held on $30-40 \mathrm{~cm}$ high stem. For sunny place in rock garden. Wild form from seeds collected in Tehama Co. in California where it grows in sparse grassy meadows in heavy, clayey but gravely loam.
77. Brodiaea coronaria

Large colonies of this beautiful violet-purple brodiaea colour the grassy slopes of the Columbia River Gorge. The 3 cm large upward-facing flowers have a central ring of cream-colored staminodes and stamens. The open umbels are on $15-20 \mathrm{~cm}$ long stems. In nature on heavy clay soils.

## 78. Brodiaea elegans

Forms 10 cm umbels of large dark blue-violet, funnel-shaped flowers with ascending lobes. Similar to the ubiquitous Triteleia laxa, but on much shorter scapes. From Northern Sierra Nevada, California, where it grows in red fir forest on vernally moist gravely flats at 1700 m .
79. Brodiaea purdyi

A dwarf brodiaea from Northern Sierra Nevada in California with the flowers divided into short fat tubes and narrow, spreading lobes. The 3-6, lavender-blue, 2.5 cm large flowers are in small umbels on 15 cm scapes.
80. Dichelostemma congestum

This species from Columbia River Gorge has 2.5 cm large purple-blue tubular flowers with reflexed lobes are in dense, up to 7 cm large cylindrical racemes, not usual globular heads. The tall erect stems do not need support.
81. Dichelostemma multiflora

The $2-3 \mathrm{~cm}$ large pale violet, tubular flowers with reflexed lobes are in dense $5-7 \mathrm{~cm}$ balls on half meter long wiry stems. Flower tube constricted below the lobes and the inflorescence is in a capitate umbel. From California where it grows on openings in a pine forest at 1500 m altitude.
82. Muilla transmontana

This odourless Allium relative has several white, later becoming lilac tinged bell-shaped flowers in wide open umbel on 20 cm long scape. Plants are grown from seeds collected in Northern Sierra Nevada at 2000 m altitude where it grows on NE facing gravel slopes. Good grower here, although I still have not tried it outside.

## 83. Triteleia grandiflora howelii

Up to $30,2.5 \mathrm{~cm}$ large flowers with a broad tube that distinctly expands into a bowlshaped perianth. The tube is pale violet with the lobes a few shades lighter, aging to white with darker colored midvein on each of the tepals. From shallow, gravely clay soils with grasses in Columbia River Gorge.

## 84. Triteleia ixioides

Vigorous species with up to 25 yellow flowers with darker midrib on $30-40 \mathrm{~cm}$ long stem. Flowers big and very long lasting as cutflowers, too. Leaves dying back at flowering time. From Greenhorn Mnts., California.
85. Triteleia laxa

Beautiful form with deep violet flowers, tips of petals - violet purple. Flower stem up to 40 cm long. Showy garden plant for sunny border and for cutting
86. Triteleia peduncularis

Very characteristic to this species are its very long pedicels bringing violet tinted white flowers with purple mid-stripes on $30-40 \mathrm{~cm}$ tall stems, giving total impression of starburst. It tolerates moisture until midsummer after that it should have a dry period. My stock is grown from seeds collected at Barrel Springs of N Coast Ranges in California at 700 m .

## ANEMONE

87. Anemone caucasica

Anemone caucasica replaces its close relative Turkish A. blanda in Caucasus mountains but is much smaller in size - usually apr. half of its large relative. Flowers usually are brightest blue with little variation. Very rarely you can find white blooming populations. Excellent for pots and rockeries.
88. Anemone nemorosa 'BRACTEATA'

One of those strange varieties which look so exotic, that attaches immediate attention of our visitors. Below the white semi-double flowers in some distance is another whorl of bract-like leaves partly transformed in white petal-like leaves, in same time some petals has greenish midrib. Flowers are quite variable, it isn't easy to find two identical.
89. Anemone nemorosa 'DEE DAY'

This variety I got from Kat Dryden who informed that it was collected in 1945 near pub in Armentiers. It has medium sized or even small deep blue flowers held on long stalk. Rarely offered but very nice variety.
90. Anemone nemorosa 'PENTRE PINK'

This one was registered by P. Christian and belongs to the group with white flowers
backed with pink but with aging slowly turning throughout pink.

## 91. Anemone nemorosa 'PHYLLODIC FORM'

Flowers very variable, the flower segments transformed into a mass of green leafy bracts which really resemble a fern, very unusual but beautiful. Visitors always ask - What is that?
92. Anemone nemorosa 'ROBINSONIANA'

Flowers large, pale blue, robust habitus. One of the showiest light blue flowering cultivar.

## 93. Anemone nemorosa 'ROYAL BLUE'

Small, rich blue flowers over dark green foliage. Smaller than many but with a much more intense and attractive colouring, nicely set off by the deeper foliage.

## 94. Anemone nemorosa 'VESTAL'

Flowers pure white with a button of tiny white petals in the centre, very long lasting and very prolific flowering, especially when well established.

## 95. Anemone nemorosa 'WILKES GIANT'

This one has white rather large flowers and all measurements of plant are larger than
96. Anemone ranunculoides 'DAGEROT'Fully double ranunculoides cultivar selected by Taavi Tuulik in Estonia. It is the first andNEWvery serious break in enlarging of windflower assortment. All petals are of appositelysame size, filling all centre of flower. Very limited stock.30.00
97. Anemone ranunculoides 'HIUMAA'
Another fully double selection of Taavi Tuulik, but contrary to 'Dagerot' inner petals ..... NEWforming double flower are elegantly narrow with normally wide standard petals inbackground. Not easy decide which one is better. Very limited stock.30.00
98. Anemone ranunculoides wockeana
Flowers yellow, a smaller plant than the more widespread type subspecies, forming narrow sharply toothed leaves. A stock from Italy. ..... 3.00
99. Anemone udensisVery nice and rare windflower from Russian Far East (Vladivostock district) throughChina reaching N Korea. Leaves 3-lobed, leaflets entire with slightly lobed edge.Flowers 5-petalled, large, pure white. In garden likes well drained something shadedposition. Very rare and limited stock.12.00

## AROIDS - ARACEAE FAMILY MEMBERS

100. Arisaema amurense subsp. amurense

Easy growing, shade loving, beautiful arisaema with green, white striped spathe in spring and bright red berries in autumn. Height of foliage 35 cm . Leaf lobes up to 10 cm long. Hardy here even without covering.

## 101. Arisaema subsp. robustum

Much more robust subspecies of this very variable arisaema, known also under name $A$. robustum. Height of foliage up to 55 cm , leaf lobes up to 20 cm long. Spathe green-white striped. From S of Sakhalin island.
102. Arisaema triphyllum

Beautiful American aroid with trifid leaf and nice greenish white or purple striped spathe and purple spadix. Likes deep, humus rich, evenly moist soil in light shade.
103. Arum alpinum

Easy growing species; quite variable and widespread in Europe. My stock comes from Czech Republic. Spathe is pale green making nice combination with brown and purple spadice. Foliage glossy green, $20-40 \mathrm{~cm}$ in height.
104. Arum concinnatum

Excellent aroid from Crete, prov. Rethimnon growing at low altitudes and so forming leaves in autumn. Spathe up to 30 cm long, pale green. Rather large plants but need protection in cold winters.
105. Arum creticum FCC form

Superb, large, primrose-yellow spathes with a butter-yellow spadix, all with an unusual and pleasant rose scent. An excellent plant, the brightest colored Arum and one of the few with a nice smell.
106. Arum cyrenaicum $x$ concinnatum

A natural hybrid identified by Peter Boyce. Leaves appear in the depths of winter and have strong veins picked out in a paler colour and are strewn with tiny black speckles. They stand the weather well and are still present in May when up to 30 cm long spathes appear. Inside is a lovely light pink, deriving from the cyrenaicum parent.
107. Arum dioscoridis subsp. cyprium

Although originates from E Mediterranean (Cyprus etc.), it is hardy here - I have been growing it for several years and it is a good increaser and well flower every season. Spathe pale green with discrete deep purple blotches.

## 108. Arum dioscoridis subsp. dioscoridis

Type subspecies of this very variable Arum with 16 to 30 cm long spathe limb, basal two thirds are stained with purple, apical third is pale green. Our plants were collected in Turkey and turned hardy under cover.

## 109. Arum elongatum

Flowers with purplish red spathe, only 20 cm high elongating up to 40 cm in autumn with bright red fruits. Leaves sagittate. From near village Enem, Krasnodar distr., S Russia. Tubers of A. elongatum are oriented vertically.
110. Arum gratum

It is another Arum species without unpleasant smell, close relative of A. orientale, introduced in cultivation only quite recently by Norman Stevens. The deep green glossy leaves just conceal the delicately purple washed spathe at ground level. Excellent for pots just for its delicate perfume.
111. Arum hygrophyllum

Elegant and attractive plant - it must be in every collection of aroids regardless of reputation as one of quite tender species. I'm growing it in unheated greenhouse but when real frosts start - I'm covering its bed with glasswool sheets. Frost damaged leaves quickly recover in spring and can achieve even 70 cm height with excellent, gracious greenish white narrowly purple edged spathe limb at height of foliage. Likes moist conditions.
112. Arum italicum albispathum

Flowers with long white spathe, leaves plain dark green, sometimes with few dark or light spots, tubers rhizomatous. Very beautiful form collected in 1983 from shady forest under large Fagus trees near Alagir ( 650 m ), North Osethia, slopes of North Caucasus.
113. Arum korolkowii 'ARVAZ'

Flower spathe chamois green or very light brown, well above the leaves, Height 50 cm. Best selection from Arvaz, Kopet-Dag, Turkmenistan where it was collected inside dense shrub in moist soil. Although in nature it always grows in some shade, here better to plant in full sun. Prefer late planting.
114. Arum rupicola subsp. virescens

Flower spathe pale greenish with some purple tint, well over the leaves, height up to 60 cm . Very vigorous form from Lerik, Talish, South Azerbaijan where it grows on dry stony slopes in full sunshine or somewhat in shade of sparse shrubs.

## COLCHICUM

## 115. Colchicum x agrippinum

It is hybrid between C. variegatum and C. autumnale forming clusters of very heavilychequered violet-rose flowers in September. This is one of the most intensely chequered colchicums. The flowers are followed by small blue-green leaves. An excellent, freeflowering, easy growable, but one that has become increasingly scarce now.
116. Colchicum autumnale Slovenia

This is one of the most common in gardens colchicum, but garden forms lost the delicate elegance of wild plant. In wild it is quite variable by colour, shape, vigour. I'm offering abundantly blooming form from Slovenia with soft pinkish lilac, pointed flower segments. Very good grower in garden.

Dwarf colchicum with stoloniferous bulbs which flowers in late winter or very early in spring with $2,5 \mathrm{~cm}$ long, nice mid-pink flowers with contrasting black anthers. Leaves more or less covered with silvery hairs. My stock comes from surroundings of Arzpli, E of Aksaray, Turkey.

## 118. Colchicum cupanii

A dwarf species with up to 11 rose-pink flowers per bulb, each with a tiny white star in the throat and contrasting black anthers with the narrow, glossy leaves in October. Attractive prostrate foliage spreading around the flowers. Here only for greenhouse. From Monemvasia, Greece.

## 119. Colchicum hirsutum

Dwarf colchicum which flowers in late winter or very early in spring with $2,5 \mathrm{~cm}$ long, nice mid-pink flowers with contrasting black anthers. Leaves more or less covered with silvery hairs. From E of Aksaray, Turkey.
120. Colchicum hungaricum

Very hardy spring flowering species with strong white to pale pinkish flowers. Good for pot or garden and remain undamaged even by the worst of the weather. Requires well drained, sunny spot. From Macedonia.

## 121. Colchicum kotschyi

Almost all the stocks called C. kotschyi in cultivation in fact are sterile pink hybrids in which parentage true $C$. kotschyi has not been even involved. Flowering time in clones from Iran and NE Turkey are variable ranging from August to late November. Apart from that, this species is fairly variable in colour, ranging from deep pink to purest white. Its great advantage in garden is very thick perianth segments making excellent bad-weather resistance, each flower lasting for 3 weeks. The offered one has pure white flowers in early autumn (here in August-September).
122. Colchicum luteum

Very variable spring flowering colchicum with small bright yellow flowers immediately after the snow has melted. This stock is collected near Mt. Chimgan, Uzbekistan.

## 123. Colchicum macrophyllum

A rare species with magnificent pleated foliage and clusters of deeply chequered violetpurple flowers, a shade not found in many colchicums. Likes a deep, fertile, well drained sunny spot. Comes from Crete.

## 124. Colchicum montanum

Nice autumn flowering colchicum with purplish-pink flowers and narrow petals, giving to plant a spider like appearance. Leaves come up in autumn, but even here very rarely are damaged by frost. From limestone slope in Iberian peninsula. Very limited stock.
125. Colchicum munzurense

Just recently described (in 1999) spring flowering species with small light violet flowers and blackish purple anthers and dark base. Abundantly flowering and surprisingly well growing and increasing. Bulbs stoloniferous.
126. Colchicum parnassicum

One of the earliest blooming species (here in July) and always I suddenly note that Colchicum season started after some break in bulb blooming in my greenhouse. Grown up from material collected on Mount Parnassus in Greece. Forms clusters of quite large, goblet shaped soft shell-pink flowers.
127. Colchicum serpentinum

Beautiful light lilac flowers in early spring with narrowly elliptic segments and bright orange spots at base of filaments and black anthers (pollens yellow). Usually 2-5, sometimes up to 8 flowers from bulb. Originally collected in Turkey, near Gaziantep.
128. Colchicum speciosum 'ALBUM'

Superb selection of this beautiful species with huge glistening white flowers. Blooms very abundantly but here needs additional covering in winter.

Spring flowering species making rather large, funnel shaped bright pinkish lilac flowers resting almost on the ground. Hardy and one of the easiest of spring flowering colchicums for sunny raised bed. From Alpes Maritimes, nr. Greolieres-les-Neiges, 1400 m.

## CORYDALIS

## WESTERN WOODLANDERS

## 130. Corydalis $x$ allenii

Nice hybrid between C. bracteata and C. solida. Flowers large, yellowish, flushed with purple on the lip. Very vigorous grower and needs frequent replanting. Comparatively late flowering.
131. Corydalis $x$ allenii 'ENNO'

Another hybrid between C. bracteata and C. solida raised by my Estonian friend Enno Zupping well different from the usually grown stock with very large, creamy-pink flowers. Bracts slightly divided only at top.
132. Corydalis angustifolia 'GEORGIAN WHITE'

Flowers cold white in dense racemes, very floriferous. Beautiful selection from the material collected near village Gldan side by side with Tbilisi, Georgia. P.C. AGS-1995.

## 133. Corydalis henrikii

One of the most elegant corydalis with long, slender, slightly pinkish tinted white flowers, tips of inner petals dark tipped. Leaves finely divided glaucous. Good grower. Our stock comes from its original collection in 1990 in SE Turkey (Gaziantep). Named in honor of Henrik Zetterlund.

## 134. Corydalis integra

The form grown by me came from Mt. Cholomon in Greece and is very robust with bluish tinted white to pale pinkish flowers and dark tipped inner petals. Foliage distinctly glaucous and attractive. Splendid garden plant.
135. Corydalis intermedia

My stock of this ally of $C$. solida originates from S Moravia in Czech Republic and has pale bluish purple flowers. It is very good grower and very beautiful. Here I grow it in full sun, although it is reputed as shade lower under trees, roots of which keeps soil dry in summer.
136. Corydalis kusnetzovii

One of those species which many times have changed its name. Several years ago I offered it under the name C. vittae, later as C. teberdensis, but priority belongs to epithet C. kusnetzovii. This beautiful Caucasian species has soft creamy-pinkish-white flowers in dense racemes. Collected near Teberda, Caucasus.

## 137. Corydalis marshalliana

This is a Caucasian form from Kabardino-Balkaria, which differs from typical form in having lilac tint on upper flowers. Easy, but must be planted immediately! Here naturalizes. Can be slightly variable. Now it is regarded as yellow form of C. cava.

## 138. Corydalis paczoskii

Flowers of very delicate shape, light pinkish purple with dark purple nose in quite loose but long spikes giving the plant a quiet charm. Easy in garden and even self-sowing. Collected at Oreanda in Crimea, Ukraine.
139. Corydalis paschei

Flowers beautifully bright violet-pink in lax racemes, distinctive foliage. Easy growing species but very rare in the wild. From Termessos, SW Anatolia in Turkey where it grows on moist rocky slopes.

## 140. Corydalis pumila

Close to C. solida, but much dwarfer and more compact with mallow-purple, long lasting flowers. I offer very beautiful bicoloured violet-white form of this generally not very spectacular sp. collected in Moravia, Czech Republic.
141. Corydalis subremota

A species of unclear taxonomically position, considered by Russian botanists as C. subremota but regarded by M. Liden and H. Zetterlund as a subsp. of C. solida complex. Flowers bluish-violet, finely divided foliage. Collected in locus classicus near Krasnoyarsk, Siberia by Baltic expedition. Great rarity.
142. Corydalis vittae (w)

Flowers white, slightly creamy with golden flush, greenish in bud, big, arranged in dense racemes and very long lasting. One of the latest bulbous Corydalis and undoubtedly one of the best. From near Bakuriani, Caucasus.
143. Corydalis wendelboi

Late flowering species with slightly pinkish, bluish or whitish flowers and finely dissected foliage from Avlan Gólu, S Turkey.
144. Corydalis wendelboi congesta

Flowers greyish light blue in very compact, dense spikes. Excellent form from Ulu-Dag mountains in NW Anatolia, Turkey.

## Corydalis solida cultivars

## 145. 'ADELE'

Flowers deep bluish purple, inner petals white with almost blackish keel. One of the darkest colored selections where even green bracts has purplish tint. Named by my granddaughter.
146. 'AGNESE'

Flowers bright pinkish violet with white inner petals and white back at top petals front part forming beautiful contrast. Leaves finely divided. Very abundantly flowering seedling named by my eldest granddaughter.
147. 'ANNE-MARIE'

Flowers long, pure white with very delicate pinkish purple rim at edge of petals. Long upturned spurs and red pedicels add additional charm to this beauty named in honour of my youngest granddaughter.
148. 'APPLE SNOW'

Flowers light bluish-white in very nice racemes, midseason flowering form, selected from open pollinated seedlings of 'White King'.
149. 'BALLADE'

Very vigorous second-generation seedling with long, dense spikes of light violet flowers with large white "mouth", spur long and lighter. Up to 25 cm high. Very abundant flowering.
150. 'BLUE DREAM'

Flowers distinct violet-blue. Very compact, low growing, beautiful form. Selection from 'Penza’ strain.
151. 'BLUE GIANT'

Flowers lilac-blue, very strong, upright habitus, large growing selection from 'Penza' strain, always marked as "excellent".
152. 'BLUSHING GIRL'

Flowers of very unusual soft light creamy-pink colour in very dense, compact spikes, low growing. Found near Riga, Latvia.
153. 'CANTATA'

One of my last and best selections with very large spikes densely covered with bright pink flowers with large white "mouth". Up to 25 cm high. Second generation seedling from 'Penza' strain. Very abundant flowering.

## 154. 'CAT'S PAW'

Very nice, quite early flowering selection with small light violet blue flowers in dense spikes. Selection from 'Penza' strain.
155. 'CHERRY ORCHARD'(97-25)

Very beautiful seedling with very dense spikes of light but very bright pink flowers with slightly lilac shade making it very distinct from other pink colored cultivars. Blooms very abundantly completely hiding leaves.
156. 'CHINA PINK'(98-06)

This hybrid has very light but soft pinkish flowers with darker zone surrounding outer tepals from outside but slightly fading with age, making marvellous colour display.
157. 'CHRISTINA'

Flowers light blue in dense, long spikes, very beautiful. One of the best selections from my open pollinated seedlings of 'Evening Shade'.
158. 'CHRISTMAS DAY'

Flowers white with light pink shading on petals, spur held almost horizontal, almost white. Flowers arranged in tall strong, erect spikes.
159. 'COMPACT'

Flowers very dark blue in small, but flowerfull, very compact, dense racemes. Beautiful selection raised in my nursery.
160. 'CRISPY LOVE' (P-30)

It is excellent very abundantly blooming seedling with straight dense spikes of light
bluish shaded flowers composed on reddish toned stem. I try to stop with new Corydalis cultivars, but this one is so special that needed name!

## 161. 'ELROND'

Flowers throughout of unusual uniform bright pinkish lilac tint, only downside of lower petal is deep dark purple. Another of my "new generation" seedlings.
162. 'EVENING SHADE'

Flowers faintly light blue, almost white, big and in large racemes. Very beautiful selection from 'Penza' strain.
163. 'EVENTIDE'

Flowers with distinctly vertically oriented pinkish purple spur and bluish purple lower and upper petals.
164. 'FALLS OF NIMRODEL'

Most unusually colored newcomer between my "new generation" seedlings with uniformly colored, slightly orange toned, reddish pink spur and almost pure white lower and upper petals. Real break in colour of Corydalis! Nothing similar with other my hybrids!
165. 'FOREST ELF' (98-07)

This one is pure solida seedling with unusually bright violet flowers, completely lacking every muddy shade, quite common for violet solidas. Inner petals are white, making beautiful contrast.
166. 'FRODO'

Selection of so named 'Kissproof' type. This hybrid has very wide deep purple edge of outer petals and pure white inner petal and spur.
167. 'GANDALF'

Flowers white with narrow blue rim at the end of petals and dark "tongue" between them in dense racemes. Deep green, dark colored foliage.
168. 'GIMLI'

Flowers of deep reddish purple, outside of lower and upper petal deeper purple, before opening almost blackish purple. Spur light purple, slightly up-turned.
169. 'GUNITE'This beauty was selected by my wife Guna from my "new generation" seedlings andnamed in her honour. Flowers bicoloured - spur soft bright pink with whitish back, lipsof petals light pink with white middle part.15.00
170. 'HOCUS-POCUS'(98-01)
That very unusual seedling of $C$. solida clearly shows presence of $C$. paczoskii in its paren- ..... NEW tage. Makes large spikes with very contrasting whitish flowers with upright lilac pink spur, the outer tepals rimmed bright violet, but inner tepals ends blackish-lilac. Very special! ..... 20.00
171. 'KING ARTHUR'
Flowers intensively carmine red in dense racemes. New colour type between my seedlings. Foliage dark green, stem reddish toned. ..... 10.00
172. 'LORD OF MORIA'
Flowers very deep lilac pink with light, almost white "tongue" surrounded by lighter pink zone. ..... 12.00
173. 'LOUISE ELISABETH'
Flowers pure white with almost vertically up-turned slightly pinkish toned spur. One of the best seedlings named by my grand-daughter. ..... 8.00
174. 'LUPUS'
Flowers soft bright lilac with whitish tongue in nice large spikes and finely dissected leaves. This form was selected in Gothenburg Botanic Garden. ..... 10.00
175. 'MARBLED CORAL'
This one is new colour type and is raised from cross between solida and paczoskii(?). Base colour of flowers is white but it is so intensively spotted and flushed with reddish pink that overall colour seems light pink. ..... 15.00
176. 'MARGARET'Flowers soft pink with lilac tinted tips of petals. Although colour is a little bit muddy, inoverall it is very beautiful plant, markedly different from others.8.00
177. 'MERLIN'
Nice addition to 'Kissproof' type with beautiful purest white flowers, lips of petals is nicely, thinly rimmed dark purple. Spikes are very compact. ..... 12.00
178. 'OPAL LIKE'
Flowers almost pure white with light pink touch at start of flowering on upper petal's midrib and slightly purple rimmed lower petals at end. ..... 8.00
179. 'PEDEDZE'
This form is found by Dr. A. Seisums in valley of river Pededze in Latvia. Flowers lightsky blue arranged in short but dense racemes. In some seasons can be almost white.Dwarfer than other cultivars.10.00
180. 'PENZA'STRAIN
Seedlings of wild collected Corydalis solida with very variable - from pure white through pink to muddy blue flowers. Unselected material from Penza district in Central Russia. Fine for naturalizing, but among them some very good and worth naming plants could be found.4.00 TEN
181. 'PRELUDE'Flowers light violet pink, even more seems light violet in large erect spikes. Different inshade from other "pinks" offered by me.10.00
182. 'PRETTY BABY'Flowers uniformly white with light blue shading. Stem and pedicels light bright greenmaking wonderful colour combination.8.00
183. 'PUSSY'One of the most beautiful selections with nicely pink shaded white flowers with morepinkish mouth and pure white spur, which flowers very early.8.00
FOR FIRST TIME CUSTOMERS PREPAYMENT IS OBLIGATORY!

## 184. 'QUIET ELEGANCE'

Flowers with pure white long spur and light purple upper and lower petals paling white in centre. Very dense and compact racemes.

## 185. 'RED BANNER'

A clone selected by Dr. A. Seisums from extremely variable 'Penza' strain. Its distinctions are in very early flowering (in comparison with other red clones with usually later flowering), stocky habit, leaves rather poorly divided, and big size flowers of bright colour. Very limited stock.
186. 'RIVENDELL'

Another exclusive hybrid raised by me from "new generation" seedlings with throughout slightly smoky red flowers. Only tips of inner petals pure white surrounded with purplishred zone.

$$
12.00
$$

187. 'ROSALIE'

This is the largest solida form seen so far and has nice, long, soft light violet pink flowers with darker nose. Collected somewhere in Greece, but collection data are lost.
8.00

## 188. 'ROYAL CHERRY' (98-11)

This one is sibling of 'Falls of Nimrodel' and 'Gunite' and belongs to family of most unusual and bright red-pink colours of shades never before known in Corydalis. Flowers are bright soft pinkish red with white inner rim on outer sepals and inner petals in which are combined white with dark purple. No similar ones exist.
189. 'SILMARILL'

One of the real gems of my "new generation" seedlings with brilliant slightly pinkish carmine-red flowers. One of the brightest coloured forms attracting attention of visitors from far distance.
190. 'SNOWSTORM'

Flowers bright milky-white in very compact, dense spikes, leaves glossy lettuce-green. One of my favourites, discovered wild in Latvia. Very early.
191. 'TRANSSYLVANICA' ('Sunset'strain)

Flowers very beautiful pinkish-red, lighter but much earlier than 'George Baker', which starts to flower when 'Transsylvanica' are finishing. If planted alone, perfectly reproduces itself from seeds.
192. 'TRANSSYLVANICA SIXTUS'

This is very large growing form with very bright light pink, slightly violet tinted flowers. Introduced from Romania and named after its collector.

## 193. 'TWILIGHT'

Flowers with very light bluish purple spur and narrowly white striped darker bluish purple lower and upper petals.
194. 'WHITE KNIGHT'

Very robust, large growing and early flowering form with purest cold white flowers in large racemes and finely dissected foliage.
195. 'ZBRASLAV'

This variety is raised in Czech Republic and has beautiful throughout bright soft pink flowers; only inner petals are tinged bordo red. Large, dense spikes.

## 196. Corydalis solida subsp. incisa 'SNOW IN SPRING'

Beautiful selection with flowers throughout purest white in dense medium large spikes. In general it is something similar to 'Vermion Snow' but flowers much earlier.
197. Corydalis solida subsp. incisa 'VERMION SNOW'

Large growing form with beautiful pure white flowers in large very dense spikes and dark green foliage. Young flowers with thin light pink rim at "mouth". Quite late, compact.

## EASTERN WOODLANDERS

198. Corydalis buschii

Very unusual species with bright purplish red flowers in early summer. Tubers rhizomatous, bright yellow. Easy in shade, but must be planted immediately! Can survive dry periods in garden but not out of soil.
199. Corydalis gracilis (w!)

A close relative of $C$. bracteata with bigger but fewer flowers and with stoloniferous habit. Naturally small tubers that is very susceptible to drying out, so plant immediately. Collected in locus classicus near Krasnoyarsk in Siberia, Russia by Baltic expedition. Extremely rare!
200. Corydalis magadanica (w!)

Very nice, dwarf white flowered species with nice silvery tinged foliage from Magadan, Far East. Regardless of very extreme growing conditions in the wild, good grower here. Extremely rare! Very limited stock.

## 201. Corydalis ornata

One of the most beautiful species from Far East. Flowers generally bright blue, sometimes with lilac tint, occasionally white, leaves shallowly divided in rounded segments. I mostly like just this mix of colours resembling foam and waves of stormy sea.
202. Corydalis species nova turtschaninovii/ornata aff. (87-37)

Intermediate between C. ornata and C. turtschaninovii - flowers quite late - when one ends but other didn't started yet, by stoloniferous growing style it approximates $C$. turtschaninovii but by flowers and leaves - C. ornata.
203. Corydalis turtschaninovii 'ERIC THE RED'

Selection with clear bright blue flowers and dark purple upper half of leaf segments, which suddenly appeared among my seedlings. Unique among spring flowering bulbous Corydalis and always in very great demand.

## 204. Corydalis turtschaninovii 'VLADIVOSTOCK'

Very unusual form with bright sky blue flowers in large spikes, but most unusual is its foliage - it is almost undivided, spade like, only shallowly dentate at the top of the lobes. Approximately 20 cm high. Collected near reservation "Kedrovaya Padj" not far from Vladivostok.

## THE ‘BULB-BELT' SPECIES

## 205. Corydalis erdelii

Flowers pale pink to reddish purple with dark purple spur or wholly purple, changing to dark purplish red after fertilisation. From stony limestone slope near village Eikenek, Akdag, Turkey.

## 206. Corydalis glaucescens aff. (species nova?) from Ihnachsai

Originally from the Ihnatchsai valley, Pskem range, Uzbekistan this strain has foliage very deeply cut into narrow, linear leaflets and distinctive flowers of a superb, creamy pink colour. Very late flowering. Sufficiently different that species recognition has been suggested.

NEW
30.00
207. Corydalis glaucescens 'EARLY BEAUTY'

Originally selected by Dr. Arnis Seisums from material found in Kazakhstan, this is especially early, one of the first in fact, with lax, well-filled, spikes of good-sized soft, opalescent pink flowers from late January onwards. Happy outside in the garden here.

## 208. Corydalis glaucescens 'MEDEO'

One of the best and brightest colored forms of this species with distinctly pinkish flowers and one of the best increasers. Collected near high mountain skating-rink Medeo in Kazakhstan during my first mountain trip.

## 209. Corydalis griffithii $\boldsymbol{x}$ macrocentra

Excellent hybrid raised in Gothenburg BG with creamy yellow flowers flushed pink and brown, extremely floriferous and you need only one tuber to fill the pot on show bench. Can be increased only by breaking of perennial tuber, so stock is very small. It took for me more than 15 years to increase it.

## 210. Corydalis hausknechtii

Strong, slender stems with shallowly-cut, deep green leaves below a loose spikes of some 20 flowers of white or pale blush pink with a contrasting purple nose, and an upturned spur. Does well here in leafy loam in light shade, slow to increase. Kurdistan.

## 211. Corydalis ledebouriana

Very early flowering species with purple and white combination in flowers, very beautiful in the wild, here often flowers so early, that suffers from spring frosts. Tubers perennial. This stock originates from Mt. Chimgan.
212. Corydalis maracandica

This species is something similar to C. ledebouriana but with more compact general appearance and it flowers much later with pale creamy-yellow, a bit pinkish suffused flowers with short spur.
213. Corydalis nudicaulis

Flowers of so original combination of white and brown that nicknamed as "coffee and cream corydalis". Somehow variable stock because grown from seeds collected in my garden, where stocks of various origins can hybridize.
214. Corydalis ruksansii

I discovered this beautiful species in upper reaches of the river Shing, Tajikistan. Flowers white with blue stripe in dense spikes, one of the most floriferous. Initially was misidentified as C. glaucescens. Renamed by Magnus Liden from Gothenburg Botanical Garden, Sweden.

## 215. Corydalis schanginii subsp. schanginii

Flowers very large, white with long pink spur and purple nose, excellent grower in a sunny place. Collected during my first expedition to Central Asia in 1975 in Kirghizia near Bishkek at 1800-2000 m on gritty slope.

## 216. Corydalis schanginii subsp. ainae

Flowers yellow with pink spur and purple nose, one of the most beautiful and rarest corydalis discovered by me in Ber-Kara (Black Stream) gorge, Kara-tau mnt. range at 1700-2000m. Easy growing. By Henrik Zetterlund: "...a plant you can never forget it if you ever get a chance to see it"

## 217. Corydalis seisumsiana

Flowers beautiful light pink with dark reddish purple. A new name given by Magnus Liden from Gothenburg for what was used to call "C. persica" by botanists. From Nakhitschevan, S Caucasus, type collection.
218. Corydalis triternata

Excellent species from Middle East growing wild in Syria and Lebanon entering extreme South of Turkey. It is elegant and graceful species with flowers of the palest pink, almost white shade and dark tipped inner petals. Collected by Dr. Arnis Seisums during his Syrian expedition in 2003.

## CROCUS

## AUTUMN FLOWERING SPECIES

## 219. Crocus asumaniae

White or pale violet flowers with a hazy yellow throat and long branches of vivid redorange styles. Easy in a bulb frame or pot, in the garden does quite well in a sunny, well-drained raised bed. A lovely plant, quite recently discovered in Southern Turkey and slowly becoming more widespread.

## 220. Crocus autranii

One of the rarest and mostly looked for autumn blooming crocuses still grown in very few collections. In nature it is found only in single gorge of rebelling Abkhazia in Caucasus, so no possibilities to collect additional material in wild. Flowers bright violet with large white base and prolonged tips of petals. Price is high but building of stock took more than 15 years.

## 221. Crocus banaticus (w)

One of the most distinct autumn flowering crocus species with deep lilac blue flowers, three outer flower segments are much larger than three inner. Although seldom offered, it is a good grower in cool, moist position, but with me generally too late for outside garden. From Romania.
222. Crocus banaticus 'FIRST SNOW'(w)

There are many white selections from this lovely crocus but this one is the earliest of all, blooming well before more famous 'Snowdrift'. It is single white form of banaticus which can bloom here even outside. Although flowers are little bit smaller, they are of the same glistening white colour.
223. Crocus banaticus 'SNOWDRIFT'

One of most popular white selections from this loveliest crocus although flowers later than others and here it is too late for growing in garden, but it enjoy me in greenhouse where it abundantly blooms late in autumn.
224. Crocus boryi

One of the brightest white crocuses with very branched very bright orange style and nicely rounded large petals. I'm offering pure white forms with deep orange small throat which originates from Taygetos mnt. in Greece.

## 225. Crocus cancellatus subsp. cancellatus

Surprisingly, but this subspecies from SE Turkey turned the hardiest in cultivation and I grew it for years even in garden. The flowers generally are lilac, but can vary a little, with darker stripes on outside and short, dark, sometimes brownish stripes in throat.

## 226. Crocus cancellatus subsp. damascenus

This subspecies has lighter or darker lilac flowers with indistinct lighter or darker striped throat. My plants come from seedlings originally collected in East Turkey and are more vigorous and better growers than usually offered forms from Jordan. Corms have a remarkably coarsely netted tunic.

## 227. Crocus cancellatus subsp. mazziaricus

One of the most variable and beautiful in colour subsp. of C. cancellatus. Colour vary from whitish to violet variously striped on back and with throat from white to purple, in best forms with purple stripes and with orange to deep red variously branched style. Easy growable forms from West Turkey.

## 228. Crocus cancellatus subsp. mazziaricus 'PILION'

This lovely form comes from Volos province in Greece, where it grows on stony slopes of Mount Pilion, at 750 m . The ground colour of the flowers is white, slightly lilac shaded and marked with thin blue lines, throat is greyish.
229. Crocus cancellatus subsp. mazziaricus 'RENDINA'

A superb selection made by A. Hoog from Greek material with light violet flowers toning white to base and ending yellow in the throat. Bright orange, frilly styles well overpass anthers.
230. Crocus cartwrightianus 'MARCEL'

Few years ago I obtained from Antoine Hoog two superb forms of this easy growable crocus, selected by him from CEH-618 seedlings. Both are something similar (by size, shape, vigour) and different (by colour), so with agreement of Antoine I decided to name them by his charming sons. This one is slightly lilac shaded whitish with elegant dark lilac throat.

## 231. Crocus cartwrightianus 'MICHEL'

The second selection from CEH-618 seedlings with lighter colored flowers - they are cold white with light greyish lilac shaded throat. Very good grower and abundantly blooming.

## 232. Crocus goulimyi

Very elegant lavender to pale lilac-blue flowers with white throat and broadly ovate segments on long flower tube from Mani peninsula in Peloponnesus, Greece. Excellent grower and very beautiful autumn crocus.

## 233. Crocus goulimyi var. leucanthus

This form of this well known species replaces more typical in south-eastern "prong" of the Peloponnesus (southwards from Monemwasia) in Greece and is characterized by whitish or very faintly lilac slightly smaller flowers.
234. Crocus goulimyi 'MANI WHITE'

Superb selection from wild collected material with pure white flowers and lighter green foliage. Flowers very abundantly. Good increaser.
235. Crocus hadriaticus

Beautiful autumn flowering crocus with large pure white flowers with yellow throat and bright red stigma. Our stock comes from seeds collected in prov. Ioannina in Greece.
236. Crocus hadriaticus 'JUMBO'

This cultivar was selected by A. Hoog from seedlings of $C$. hadriaticus MK-3585. This NEW one was the specimen with the largest white flowers and comparatively large straw yellow throat.
237. Crocus hadriaticus $\boldsymbol{x}$ 'PURPLE HEART'

This is another seedling raised by Antoine Hoog and it undoubtedly is of hybrid origin, most possibly with C. cartwrightianus. Its flowers are very light violet with distinct deep purple throat. It is a gorgeous new introduction of great merit, although blooming something late, so better growable in pots.
238. Crocus kotschyanus subsp. cappadocicus

Quite variable subspecies with whitish base colour densely striped purple, sometimes confluent at tips with very prominent deep yellow spots at base of flower segments. Very beautiful. Corms positioned in soil vertically. Not difficult and growable even outside.
239. Crocus kotschyanus subsp. kotschyanus HKEP-9201

Very beautiful autumn flowering crocus, which has a bad reputation with commercial Dutch growers who widely distributed excellently growing, but almost never flowering clone. This one blooms abundantly and has strong, clustered flowers of light violet with slightly darker veins and distinct two bright yellow spots at the base of each tepal.
240. Crocus kotschyanus subsp. kotschyanus HKEP-9205

This was found by E. Pasche \& H. Kerndorff in Hatay province of Turkey at 1150 m .
This makes lovely light violet, darker striped flowers with confluent yellow-orange blotches in throat making impression of orange throat. Makes leaves in autumn, just after blooming. One of the best!

## 241. Crocus kotschyanus subsp. kotschyanus HKEP-9317

This one comes from 1300 m altitude and is totally different by its stoloniferous habit stripes and creamy yellow throat edged by narrow dark yellow „"" shaped edge.

## 242. Crocus laevigatus

Generally with a white background colour, but it can be lilac, too. Flower exterior with varying degrees of thin, purple feathering, the whole beautifully contrasted with a frilly mass of expanded style lobes. Anthers pure white. It is flowering from late autumn and continues in winter.

## 243. Crocus longiflorus

Another one of crocuses which came from Antoine Hoog's collections - this one from Nebrodi range in Sicily at 1050 m . The flowers are starry, strong violet-purple with a lovely fragrance and small deep orange throat in centre surrounded by whitish diffused zone. Its fragrance fills all greenhouse.
244. Crocus lycius

If I would write my Crocus book now, I would describe this beautiful crocus as separate species, not as subsp. of $C$. cancellatus. Flowers pure white with contrasting deep yellow throat with addition of deep orange-red finely divided red style filling the centre of flower as sparkling flame.

## 245. Crocus melantherus

Autumn blooming member of large C. biflorus group from Greece earlier wrongly named as „C. crewei". Flowers are white marked with small, deeply coloured, almost black, stripes on the outside, rarely stippled grey. The anthers are with black connective, rarely entire black, but sometimes yellow. Very distinct and attractive plant with nicely honey-scent.
246. Crocus niveus WHITE form

Regardless of its name, more often on trade are offered forms with slightly bluish flowers. This stock has strong pure white flowers with a golden yellow throat flowering in October. One of the best white autumn crocuses.

## 247. Crocus niveus BLUE form

On South Peloponnesus (Greece) between white flowering plants grow some with lovely light blue lilac flowers, retaining all superb features of C. niveus - golden throat and large size of blooms.

## 248. Crocus nudiflorus

Large, vivid and richly coloured deep-violet flowers on long tubes opens from September. Needs a damp, humus rich soil to do well, and does not need a hot dry rest in summer! It is making stolones and could naturalise in short managed grass where it slowly spreads. Can be grown outside here.

## 249. Crocus pallasii subsp. pallasii

Flowers mostly lilac of various shades, rarely white, throat usually whitish with deep purple stripes. Stigma trilobed, deep red at level of anthers. Flower segments in Crimean forms are generally wider than in Turkish.
250. Crocus pallasii subsp. dispathaceus

The second spatha isn't always presented, but most characteristic is its starry flowers with narrow tepals in shades of pale lilac to dark wine-purple. Red stigmatic branches ends below anthers, which usually curves inside enclosing stigma. Easy but needs a bulb frame or alpine house.
251. Crocus pallasii subsp. turcicus

It is distinguished from the type by a long persistent „neck" of old leaf bases. The flowers are lovely light violet marked and feathered with darker lines, throat sometimes dark bluish, petals generally narrower and lighter than in subsp. pallasii but wider than in subsp. dispathaceus.
252. Crocus robertianus

Supposed to be autumn flowering mutation of C. atticus, it retained large size of lilac to white flowers and in most cases has large dark yellow throat, sometimes it is pale, in other cases surrounded white as in famous spring cv. 'Tricolor'. A native of the high Pindus Mountains of Greece.

NEW
7.00
253. Crocus scharojanii var. flavus

Pure Crocus scharojanii is not easy in cultivation. This hybrid with C. vallicola is something easier. Blossoms are not so bright orange, but it is the single one autumn blooming crocus with beautifully lemon yellow toned flowers. It don't like drying out in summer, so regular watering is requested and better to grow it in pots plunged during summer in garden.

Flowers are nicely scented, paler or deeper lilac nicely speckled on outside, sometimes with darker veins; the throat is white or pale yellow. The style is divided into many short bright orange branches and usually exceeds the bright yellow anthers. Offered form comes from Portugal.

NEW
255. Crocus serotinus subsp. salzmannii

Large, soft violet flowers from September onwards. An excellent form of this variable species from Marocco with short leaves at flowering time. Good easily grown crocus, but here I can grow it only under winter protection.

## 256. Crocus speciosus 'ALBUS'

In general I'm not growing common Dutch raised cultivars but this one is one of rare exceptions for its very large purest white flowers with creamy yellow throat. Albinos in this species are extremely rare in wild.
257. Crocus speciosus subsp. ilgazensis

It is in fact a diminutive form of subsp. speciosus, with small nicely veined and striped flowers, main feature for separating is stigmatic branches which end around the tip of anthers, and this allows check correctness of name. Often under this name are offered various seedlings of type subsp. or hybrids
258. Crocus speciosus subsp. xantholaimos

Deep to mid-purple flowers well lined and striped violet with dark yellow, even something orange shaded throat, deep orange yellow anthers and well contrasting style branches. Corm tunic without distinct basal rings.
259. Crocus suworovianus

It is one of the first crocuses starting flowering after the summer rest. Similar to $C$. vallicola but without prominent wispy tips of perianth segments. Usually more or less lilac striped, sometimes even lilac. Corm is lying on its side and needs dryer growing conditions. From NE Turkey.

## 260. Crocus thomasii

Flower colour varies from light lilac to deep lilac with an invariably lighter or darker yellow throat which sometimes is orange or greenish yellow in the fairest forms. Need dry and hot summers.

## 261. Crocus vallicola (w)

Excellent early autumn flowering crocus with large creamy white flowers, segments have peculiar acuminate tips. Prefers peaty soil and don't like drying out in summer. From Artvin, NE Turkey.

## 262. Crocus wattiorum

Quite recently described autumn blooming member of C. biflorus group with very nice lilac flowers which widely opens exposing beautiful black anthers with yellow basal lobes and dark red stigmatic branches resembling those of C. sativus. Very unusual of exceptional beauty. Still very rare! Very few!

## SPRING FLOWERING SPECIES

## 263. Crocus abantensis

Flowers of very beautiful light bright blue shade with very contrasting bright yellow base. Initially collected at 1700 m near Lake Abant, NW Turkey. Very beautiful and not difficult in the garden.

## 264. Crocus adanensis

Very rare spring flowering species with light lilac flowers and distinct white throat. Style dividing in three bright orange red branches. Something resembles C. biflorus, but corm tunics are not annulate at base.

## 265. Crocus aerius

This one belongs to my greatest favourites between spring blooming crocuses. Flowers bright blue with dark yellow inner base surrounded by radial white rays. Exceptional beauty from high mountains of NE Turkey. Very limited stock.

White flowers uniquely patterned with speckles and dots of silver to ash-grey on the exterior. Inside the shining white contrasts with a bright yellow throat. Requires a well drained soil in full sun, where flowers widely open with first sunbeams. Not very easy and quite rarely offered.
267. Crocus ancyrensis

Early and most free flowering species from Turkey with numerous deep orange flowers, far better than usually grown Dutch form of garden origin. This stock is collected near Bolu, Turkey at 1650 m .
268. Crocus angustifolius 'GOLD'

This is a superb selection of this tough crocus, which lacks the normal dark purpleblack striping on the exterior. From outside it looks nicely creamy yellow but opens as brightest golden yellow star. Very abundantly blooming.
269. Crocus atticus x 'BOWLES' WHITE'

One of the best white spring flowering crocuses, with bright yellow throat and orange stigma, making a wonderful contrast. Large rounded blooms.
270. Crocus atticus subsp. sublimis 'MICHAEL HOOG'S MEMORY'

Very unusual form of C. atticus accidentally collected in Greece at type locality of C. robertianus and sold to me under that name. But it was flowering in spring with silvery-lilac nicely striped outside, rounded flowers with golden-yellow throat and showed good increasing rate. I decided to name it in honour of my great friend, from whom I received this treasure.
271. Crocus atticus subsp. sublimis Mnt. Parnassos form

Selection of this beautiful species from Mount Parnassus in Greece with lighter flowers where lilac colouring on petals outside is more speckled. Throat is paler toned, something greenish shaded. Most spectacular is its very broadly expanded and long bright orange stigma.
272. Crocus baytopiorum

A most exciting species with pale but brilliant turquoise blue flowers with delicate slightly darker veins. I don't know other crocus species with similar colour. Rare in cultivation but not very difficult, can be grown outside even here but pots you must bring outside in summer. Very limited stock.
273. Crocus biflorus subsp. adamii Armenian form

Very beautiful large flowering, extremely variable in colour population from Armenia at any case far better than other forms offered under this name. It is true subsp. adamii with blue or violet, tinted or striped darker, large flowers.

NEW
6.00
274. Crocus biflorus subsp. isauricus from around Akseki

Flowers lighter or darker blue with more or less prominent black connective in anthers with long basal lobes over the deep greenish yellow throat. Very variable and one of my favourites. Hybridizes with C. chrysanthus forming most incredible colour combinations. Sweet honey scent.
275. Crocus biflorus subsp. nubigena

Flowers lighter or darker blue with very prominent black anthers with long basal lobes over the deep greenish yellow throat. Very limited stock.
276. Crocus biflorus subsp. stridii

It is black anthered spring blooming crocus from C. biflorus family growing in very restricted area in N. Greece. Flowers are white or pale violet with prominent dark stripes on flowers back and large and very dark yellow throat. Anthers variable - pure black or with black connective, rarely yellow.
277. Crocus biflorus subsp. taurii

Excellently growing form from N Turkey, prov. Sivas with attractive violet-blue flowers and yellow throat. One of the most distinctive and very lovely! Free flowering and very easy in cultivation form. Can be variable.

## 278. Crocus chrysanthus 'CHARMER'

Beautiful and very vigorous hybrid selected in my nursery from mixed open pollinated seeds of so called "C. chrysanthus cultivars". Flowers soft creamy-yellow with dark greyish-yellow throat and beautiful light lilac flush over the back of petals.

## 279. Crocus chrysanthus 'USCHAK ORANGE'

One of the earliest crocuses in my collection which blooms in abundance with bright orange flowers. Collected in mountains near Uschak, Turkey.

## 280. Crocus corsicus

Very attractive species, recognisable from first look by its very vivid bright lilac inside and striped outside flowers with red stigma. Our stock raised from 2 seedlings grown from 5 seeds received from its homeland.
281. Crocus cvijicii

Flowers very large brightest yellow, even with orange tint, sometimes very nicely creamy, sweetly scented. Still a great rarity, although not very difficult in the garden. Possibly better to grow without annual lifting.

## 282. Crocus cyprius

This tiny species from Cyprus belongs to one of my favourites for its large bright reddishorange throat and blackish purple "tongue" over outer base of deep violet-blue petals. Small plant and naturally small corms. Not very hardy, so protection during winter spells hardly recommended.

## 283. Crocus danfordiae

Flowers very tiny, with perianth segments only up to $1,5-2 \mathrm{~cm}$ long. Flower colour variable - from white to pale blue or yellow something speckled outside with grey. It is single species where all colour forms can be found in same population.

## 284. Crocus fleischeri 'GULEK PASS'

During my first trip to Turkey at crocus flowering time I was very surprised for variability of C. fleischeri there and I found that many wild forms are far better than those commercially grown in Holland. This one from Gulek Pass has very deep yellow, even orange shaded throat.
285. Crocus gargaricus

One of the deepest orange shaded deep yellow spring crocuses coming from Kaz-dag mountains in W Turkey. Excellent grower both in garden and pot and exceptionally floriferous. Much less known in gardens than its relative - stoloniferous $C$. herbertii.

## 286. Crocus herbertii

Excellent form from Ulu-Dag mnt. range in NW Turkey with bright orange flowers and stoloniferous habit. If planted and left undisturbed for a few years then every spring it will flower in abundance and slowly increase occupying the entire spot but not a weed. Naturally very small corms.

## 287. Crocus heuffelianus

Flowers purple with deep purple tips, variable, very large. Collected by me in E Carpathians, mountain pass Lizja.

## 288. Crocus hittiticus

It is close relative of $C$. reticulatus. Both are easy separable as $C$. hittiticus always has black anthers. Flowers are lighter or darker lilac with more or less prominent dark stripes on back of tepals. Needs hot and dry summer.

## 289. Crocus imperatii

Flowers large, bright purple with yellow throat inside, exterior of outer segments buff with three main purple stripes. Received as selection from wild stock collected in SW Italy.

## 290. Crocus korolkowii

I have many selections of this beautiful yellow flowering crocus which flowers together with melting of snow as one of the first here. Size of catalogue not allows this year to offer most of named cultivars.
291. Crocus korolkowii 'LUCKY NUMBER'

The earliest, with starry bright yellow flowers and brown throat. Very beautiful and the most vigorous of my selections. Alive outside even in the hardiest winters when most of crocuses die or seriously suffer.
292. Crocus malyi

Flowers purest white with rich yellow throat, large. The bright orange-yellow style branches give a magnificent contrast to the white segments. Excellent form from Croatia, Velebit mountains, 520 m . Very easy.
293. Crocus olivieri subsp. olivieri

Masses of bright deep golden yellow flowers between wide spreading leaves, resembling miniature C. flavus edition. Collected near Abant-Bolu.
294. Crocus $x$ paulinae

It is crocus of incredible colour - bright brownish with lilac red shade what you can judge by attached picture. It was raised by me when I repeated in my nursery cross between C. abantensis and C. ancyrensis rarely occurring naturally in nature. Results surpassed all hopes. Unique and only very few.
295. Crocus pelistericus

This is one of the rarest in cultivation crocuses and belongs to one of most difficult. It needs wet soil conditions up to late autumn, but if you will follow this - you will be rewarded with large deepest purple flowers late in season. A little easier than its yellow neighbour - C. scardicus. Very limited stock.
296. Crocus reticulatus e Pjatigorsk, Russia

This is one of the most spectacular crocuses with starry flowers opening widely as bright stars. Usually lilac, but the forms from Pjatigorsk vary widely from almost whitish till brightest lilac. Easy and hardy in garden.
297. Crocus reticulatus $\boldsymbol{x}$ 'ALIONKA'

Raised from seeds of C. reticulatus this hybrid line clearly shows features of bright yellow pollen parent - C. angustifolius. Golden yellow throughout with purple stripes on outer petals, making up to 13 flowers from one corm.

## 298. Crocus reticulatus $\boldsymbol{x}$ 'NIDA'

This one is the lightest coloured of this hybrid series with creamy-yellow basic colour and very prominent reddish-brown stripes on back of petals.
299. Crocus scepusiensis var. leucostigma (w?)

Very rare form of this crocus. Flowers purple with white stigma - it is quite unusual between C. vernus complex species.
300. Crocus sieberi 'CRETAN SNOW'

Very beautiful comparatively small, but very abundantly flowering selection from mountains of Crete with medium sized pure white rounded flowers with large golden yellow throat and small purplish shaded blotch at base of outer petals outside. It is fertile and usable for hybridization.
301. Crocus sieberi x 'GEORGE'

Mutation of C. sieberi 'Hubert Edelsten' of the same beauty but with larger and more rounded flowers selected by Willem van Eeden in Holland. Blooms few days later and is hardier here when grown in garden.

## 302. Crocus tauricus Ai-Petri forms

Very distinctive from other biflorus complex with erect silvery grey leaves and very long toothed rings of corm tunic. Flowers large, violet blue striped or flushed on white ground, very variable, anthers sometimes with greyish connective. A true gem! Ai-Petri Yaila, Crimea.
303. Crocus tommasinianus $\boldsymbol{x}$ vernus 'YALTA'
I raised this wonderful crocus from seeds received from Nikitsky Botanical Garden in Yalta, Crimea under name C. tommasinianus. Outer petals very light silvery-blue, inner dark violet-blue. ..... 2.00
304. Crocus veluchensis (w)Flowers very nice, dark purple with white throat, a little variable. Do not like completedrying out in summer, because forming of new roots starts before the leaves of previousseason dry out, but does not suffer if planted immediately after receiving of corms.From Bulgaria.4.00
305. Crocus veluchensis 'ALBA' (w)
Very beautiful form of this marvellous species with very large pure white or slightly pinkish tinted flowers. Must be planted immediately after receiving of corms. Don't like drying out during summer. ..... 5.00
306. Crocus vernus 'CROATIA'
Comparatively early flowering form with light bluish-violet flowers without darker blotch at tip of petals. Collected in Croatia. ..... 2.00
307. Crocus vernus 'ORADEA'
Later but very abundantly flowering form with light pale violet flowers and darker spot at tip of petals. Collected near Oradea in Romania. ..... 2.00
308. Crocus versicolorFlowers bright violet to lavender and white, always with distinct purple feathering onexterior of segments. Very vigorous and variable population from S France, dept. Var.Excellent grower, one of my favourites.3.00
DICENTRA
309. Dicentra cucullariaVery charming and hardy woodland plant from U.S.A. with white creamy tippedup to $2-\mathrm{cm}$ long flowers and much divided silvery grey foliage. Up to 20 cm high.Recommended partial shade and moisture, but I successfully grow it in full sun withoutadditional watering even in driest summers.3.00
310. Dicentra paucifloraIt is very rarely offered nice bleeding-heart with slightly pinkish flowers and unusualunderground part something resembling rhizomes of windflowers (Anemone nemorosa).It is plant from high alpine altitudes in California and some watering during the dormantperiod is essential.15.00
ERYTHRONIUM
311. Erythronium dens-canis 'FRANS HALS'
Flowers imperial-purple with greenish-bronze basal spot surrounded by a yellow ring. ..... 2.00
312. Erythronium dens-canis niveum
White flowering form from Bibor mnts. Romania. We have two a little different stocks - one is a little earlier than other is. Both originate from nature and are true to name. ..... 4.00
313. Erythronium dens-canis 'ROSE QUEEN'
Flowers of light rose pink, with a hint of warm caramel on the inside deep in the throat. Beautifully bronze mottled leaves. ..... 2.00
314. Erythronium dens-canis 'SNOWFLAKE'
White with a base of chartreuse and a faint ring of red specks. ..... 2.00
315. Erythronium dens-canis 'WHITE SPLENDOUR'
White, outside red at base, inside white with the base picked out in olive with a well- marked, solid, indian-red ring, leaves mottled. ..... 2.00
316. Erythronium sibiricum subsp. altaicumVery vigorous subsp. flowering much earlier than type subspecies with very largepure white, sometimes fading to very light lilac flowers. Excellent increaser, perfectlyreplacing by self-sowing. Collected on alpine meadows in Republic of Tuva, uppercourse of the River Ka-hem at altitude 2400 m .8.00
317. Erythronium sibiricum subsp. sibiricumType subsp. of Siberian ally of E. dens-canis flowering later and with much larger,bright cyclamen-purple flowers and yellow anthers all at the same level. Very beautiful!Planted under shrubs in half shade naturalizes.10.00
318. Erythronium x 'SUNDISC'
Strongly bronze shaded foliage below spikes of large, yellow flowers with a distinct red ring in the throat. The most distinct E. tuolumnense hybrid. ..... 5.00
FRITILLARIA
319. Fritillaria alburyanaOne of the most unusual frits of very dwarf habitus and comparatively very large brightpink flowers from Eastern Turkey, not very difficult in garden here, although stem couldbe taller for so huge flowers. Rarity!12.00
320. Fritillaria aureaOne of the most attractive yellow flowering fritillaries with solitary pendant broad bellshaped, bright yellow tessellated with brown flowers. Quite variable in height - from 5to 25 cm . I'm growing it outside.8.00
321. Fritillaria bucharica 'HODJI-OBI-GARM'Flowers white with green nectaries, very floriferous and vigorous form from Hodji-obi-Garm village in upper reaches of Varsob river, Tajikistan.5.00
322. Fritillaria camschatcensis
An excellent and vigorous plant for the peat garden where it makes $40-60 \mathrm{~cm}$ tall stems densely clothed in shiny, whorled leaves. These are crowned by a cluster of up to 6 deepest purple, almost black, flowers. ..... 4.00
323. Fritillaria camschatcensis 'DWARF'
This unusual form I received as almost rotten chips under name "green form". After one year of "sleeping" it came up and two years later flowered turning up as a very dwarf (10-15 cm tall) beautiful black flowered form, only back of petals has greenish midrib. Up to 5 flowers on stem. ..... 20.00
324. Fritillaria camschatcensis 'LUTEA'
This stock had suffered from water-rat attack. Now it is grown up again and I can offer it to you. This is medium high with beautiful pale yellow flowers. ..... 10.00
325. Fritillaria carica - Samos Island, Greece
Up to three bell shaped brightest yellow flowers on 20 cm long stem. Grown from seeds ..... NEW collected on Samos island in Greece. I think that one of the best. ..... 7.00
326. Fritillaria caucasicaFlowers narrowly bell-shaped, 2.5-3 cm long, dark purplish on slender 20-30 cm stem.Collected near lake Sevan, Armenia.7.00
327. Fritillaria chloranthaVery rarely offered beautiful frit from Iran with long, bell shaped olive-green pendantflowers on $\sim 20 \mathrm{~cm}$ long stem. Not very difficult but very slow to increase, so only veryfew bulbs available.50.00
328. Fritillaria crassifolia subsp. crassifoliaThis subspecies appears fairly distinct from more widely grown subsp. kurdica. Itsmain distinction is in rounded flowers, apart from distinct foliage. Flowers are green,chequered dark greenish-brown and with brown edges of segments. From high mountainsnear Erzurum in Turkey.12.00
329. Fritillaria crassifolia subsp. kurdica 'TALISH STRAIN'

Flowers yellowish green with yellow tips and light reddish-purple chequering, excellent in a sunny position. Originally collected on stony slope near village Gosmolyan at 1860 m, Talish, S Azerbaijan.

## 330. Fritillaria dagana

Extremely rare species from Sajan mountain range in Siberia. Flowers yellow or brown with purplish-brown tessellation. Bulbs naturally small, stoloniferous. We grow it outside in peaty soil in full sun. Very few.

## 331. Fritillaria davisii

Flowers 1-2 per stem deep chocolate-purple with greenish chequering on 15 cm stem with two broad basal leaves. From S Greece.

## 332. Fritillaria drenowskyi

This slender species reaching up to 30 cm in height has 1-3 conical up to 2 cm long pendant flowers of brownish purple colour outside and yellowish green within. My stock is grown up from seeds collected by my Australian friend at Granitis near Drama in Greece and is slightly variable in colour - some plants have very narrow yellowish rim.

## 333. Fritillaria eduardii

In my opinion, it is the best of large growing fritillaries, close relative to $F$. imperialis, but flowers in abundance every spring and are much earlier, with more upright and wider opened flowers of orange-reddish shades on 1 m stem. It lacks the unpleasant smell. Incredibly frost resistant - in full flowers without any damage survived night frosts up to minus $8^{\circ} \mathrm{C}$.

## 334. Fritillaria graeca

Height up to 30 cm , flowers 2-3, more or less brown tessellated on green with green stripe along midrib of each segment, leaves grey green. From mountains of S Greece. Easy. Well separable from F. pontica by seed capsules and by shape of bulbs which in my stock are round, without horns.
335. Fritillaria gussichiae

This species is close to $F$. pontica. On 30 cm long stem are 1-3 untessellated flowers of pale green with slightly brownish suffused edge of outer petals, on inner petals brown zone is wider. Originally collected in N-Greece.
336. Fritillaria hermonis subsp. amana

Flowers long, pendant, bell-like, pale reddish-brown with green spots and green central stripe, height up to 20 cm . Good grower and increaser.
337. Fritillaria involucrata

Flowers campanulate, usually 2 (sometimes more - up to 5), creamy to yellowish green with light brown chequering on outside, foliage glaucous. Up to 30 cm tall. From Alpes Maritimes (Bog 6/86).
338. Fritillaria karelinii aff. (species nova)

Very beautiful Rhinopetalum - certainly seem to be new species. Flowers of this plant are white with more or less prominent green chequering on back of petals, leaves wide, grey-green, basal leaves intensively undulated. Up to 20 cm high. From near Pulkhakim, Baisun-tau, Uzbekistan.
339. Fritillaria kittaniae

Very nice species only recently described with pendant bell-shaped flowers and flared tepals. Generally greenish yellow with variously brown shaded sides of outer segments. Stem around 20 cm tall with 1-2 flowers.
340. Fritillaria lanceolata

It isn't very difficult species from America but very variable in wild, so has many names. Offered form is medium tall ( $\sim 25 \mathrm{~cm}$ ) with whorled leaves and chocolate brown, greenish spotted and chequered flowers. It perfectly grows outside in my garden.

## 341. Fritillaria latakiensis

This species need well drained, sunny spot. Planted deep and left undisturbed it can survive in outside garden even here. It something resembles $F$. elwesii. Each 25 cm tall stem brings up to 3 long, deep purple bells with emerald green midrib. Very attractive species from S Turkey and Syria.
342. Fritillaria maximowiczii

Nice Siberian species somehow similar to $F$. dagana, but taller and seems to be more easy in garden than F. dagana. Petals acute, flowers yellow or brown with purplish brown tessellating and greenish midrib. Don't like overdrying. Offered only by me and very few available.
343. Fritillaria meleagris 'PLENA'

New double fritillary! Almost incredible discovery of Henrik Zetterlund carefully increased in my nursery from single bulb kindly presented to me. Seems to be another "Child of Chernobyl". Flowers beautifully filled with flared tips, chequered purplewhite. Very constant. Only few, only from me!
344. Fritillaria messanensis subsp. atlantica

Flowers narrowly campanullate with nicely flared tips of plum purple flower segments, sometimes with greenish midrib at base of flowers. Very rare from High Atlas, Djebel Dukaimeden, Morocco. 2000 m. Stock grown up from J. Archibald seeds.

## 345. Fritillaria minima

Nice miniature fritillary which rarely exceeds 10 cm in height with up to two very bright yellow bell shaped proportional flowers. Plant from high altitudes and is hardy here, needs well drained humus rich soil. E Turkey.
346. Fritillaria minuta

Flowers small, narrowly campanulate, reddish-brown, born on up to 15 cm long stem. Likes deep planting ( 10 cm ) in humus rich soils and needs no summer rest - treatment is similar as for $F$. crassifolia.
347. Fritillaria monantha aff.

Mysterious frit from China offered under a lot of different names. Resembles $F$. verticillata Urdzhar form or F. tortifolia but flowers are larger, something narrower, petals outside is generally dirty bluish white, inside more or less purplish red shaded or chequered. Don't like keeping out of soil.
348. Fritillaria nigra

Flowers 2 to 4, broad bell shaped green heavily tessellated deep brown on up to $50-\mathrm{cm}$ high stem. Very easy growing species.
349. Fritillaria olgae

Pale green flowers with pink suffusion on $50-60 \mathrm{~cm}$ long stem. Need early replanting as makes new roots long before foliage dies. Plant immediately after receiving but not water much. From lake Iskanderkul, Tajikistan.
350. Fritillaria olivieri

Bell-form flowers are green with marginal brown tessellation on outer and inner petals. In average 30 cm high. It is coming from Zagros mountains in Iran, but I'm very successfully growing it on beds in open garden.

## 351. Fritillaria orientalis

In wild it grows on rocks in peat pockets and under shrubs in Central Caucasus. It forms nice 30 cm tall clumps with fine foliage and nice purple chequered flowers, inside yellow green with purple dots. Forms stolones. From Terek gorge in Georgia.
352. Fritillaria persica 'IVORY BELLS'

Another of the greatest treasures of my collection - creamy white mutation of famous $F$. persica 'Adyiaman'. After harvesting I keep bulbs in a greenhouse to provide hot rest and to induce abundant flowering next spring.

## 353. Fritillaria pinardii

Very nice dwarf species, usually not more than 10 cm high with solitary brown and yellow flowers and recurved petal tips. My stock is coming from Bozkir in Turkey, where it was collected at 1640 m .

## 354. Fritillaria poluninii

Very rare and dwarf species with comparatively large silvery grey, slightly chequered pendant flowers on $10-15 \mathrm{~cm}$ long stem which widely opens in sun. Leaves wide, soft green. My stock originally was collected in Iraq.
355. Fritillaria pontica

Flowers uniformly olive green with slightly yellowish tip of petals and light brown suffusion on $30-\mathrm{cm}$ stem. Bulbs round with horn-like excrescences, seed capsules winged. From Central Bulgaria.

## 356. Fritillaria pyrenaica

Flowers large, exterior purple or purplish brown with light greenish yellow recurved tips, inside greenish yellow, leaves glaucous, linear. Here it grows $35-40 \mathrm{~cm}$ tall and don't like drying out. From Spanish Pyrenees, 1900 m.

## 357. Fritillaria reutheri

By colour flowers are similar to F. michailowskyi but they are arranged on much taller stem and petal tips are incurved (not flared), it is more floriferous than typical michailowskyi. From Zagros mountains in Iran.

## 358. Fritillaria schliemannii

This beautiful and easy growable Turkish species belongs to very variable group of frits joined under hat of $F$. bithynica. It has glaucous leaves and up to three vivid lizardgreen bells infused yellow at the tip and inside, on stems only $15-25 \mathrm{~cm}$ tall. Bulbs with numerous bulblets. Prefers sunny raised bed in well-drained soil. From stony slopes on Sahen gec. in W Turkey.

## 359. Fritillaria sewerzowii

Up to 20 widely flared yellowish, greenish or brownish purple flowers in the upper axils of the leaves on 30-50 cm stem. From Ber-Kara, Kara-Tau mnt.

## 360. Fritillaria stenanthera

Flowers pinkish with purplish base, only 5-12 cm high. Should be kept dry during summer. Collected in Ugam mnt. range, Uzbekistan.

## 361. Fritillaria strausii

Although described as only $10-15 \mathrm{~cm}$ tall, the plants from Iran are much taller and keep this feature in cultivation, too. Usually 1-2 silvery green broadly campanullate flowers which can turn brownish at end of blooming.
362. Fritillaria thesalla

A relative of $F$. graeca but taller and different in its colouring and shape, with up to three large jade green bells chequered with coral purple on 25 cm stems. Tolerant to summer rains, excellent garden plant.

## 363. Fritillaria thunbergii

This species usually has been misnamed and offered as $F$. verticillata. Flowers greenish white with light purple-green veins on up to $40-\mathrm{cm}$ long stem, upper leaves with tendrils. Abundantly blooming stock.

## 364. Fritillaria tuntasia

Very rare species known only from two Greek islands with up to six medium sized (up to 2.5 cm long) shining purple, widely bell shaped flowers with slightly incurved tips of petals. Up to $35-40 \mathrm{~cm}$ tall. True plants are rarely offered - usually under this name comes something similar F. obliqua.
365. Fritillaria unibracteata

Nice small species from China with small purplish brown campanullate flower on 20 cm tall stem. Looks very similar to $F$. regelii although from the last I saw only drawn illustration. Naturally very small bulbs.

Marvellous woodland frit from Far East, collected in Ussuri taiga in East Siberia. Up to 50 cm tall with pendant dark brownish red flowers and beautiful tendrils at top of stem. One of my favourites.

## 367. Fritillaria verticillata 'URDZHAR'

Very beautiful form of this quite variable species with straight bell shaped flowers. Height 50-60 cm. Collected at Urdzhar gorge in N. Tar-Bagatai, Kazakhstan. Something similar to F. tortifolia from China, but flowers are pure white, in Chinese samples colour is distinctly pinkish.

## 368. Fritillaria whitallii

Flowers broad campanulate nicely green and brown chequered and quite variable within the same population. This stock is coming from surroundings of Akseki in S Turkey, is very vigorous and good grower here.

## GALANTHUS

For EU \# 369; outside EU \# 601. Galanthus nivalis 'POCULI PERFECT'
Absolute gorgeous novelty - a must for every galanthophile with absolutely perfect
flowers of "poculiformis" shape (where inner petals are of same size and shape as outer) but flower segments are purest white and wider than in usually offered forms. Perfect selection from wild plants in Czech Republic.
For EU \# 370; outside EU \# 602. Galanthus reginae-olgae early form
This is the lovely autumn-flowering snowdrop from the Taygetos Mountains of Southern Greece. Very tolerant and only one of autumn blooming snowdrops abundantly blooming with me every autumn. It flowers well ahead other forms of reginae-olgae and other autumn blooming species.

## GERANIUM

## 371. Geranium charlesii

Very distinct and undoubtedly one of the best tuberous geraniums, very floriferous, compact, completely covered with pinkish purple flowers. It flowers much earlier than other tuberous geraniums. I recommend annual lifting to provide dry summer rest. From Nuratau mountains, Uzbekistan.
372. Geranium kochii

Close relative of $G$. charlesii but growing wild in Iran and with much more attractive leaves. Just leaves are the main feature adding especial beauty to tuberous geraniums. Free-flowering nature and its compact habit mean that the whole plant is simply covered in gorgeous pink-purple blossoms.

## 373. Geranium malviflorum (Marocco)

Geranium malviflorum growth on both sides of Mediterranian. Usually are offered forms from Spain with strange something claw-like rootstocks, very different from other species. This form from Marocco has large spindle-like tubers and most likely needs new name. Flowers similar to other geraniums.
374. Geranium transversale 'ROSEA'

This is much brighter colour form with distinctly pink flowers of this widespread species spotted out between thousands of trivial purple colour forms at Korzhantau range, E of Tashkent.

## 375. Geranium tuberosum BATM-324

Originally it was collected under name "macrostylum". I like this one for the excellent shape of leaves which attracted attention in wild and were the reason of its collecting. From Kisidagi gec. in Turkey.

## GYMNOSPERMIUM

## 376. Gymnospermium albertii

One of the most beautiful species flowering as soon as snow melts. Flowers deep yellow with red-brown veins in nodding racemes on brownish red stem. Height up to 20 cm . Collected at Mt. Chimgan, Uzbekistan.
377. Gymnospermium altaicum

One of the easiest species in garden. Stem is green, without shiny reddish brown glow so characteristic to G. albertii, but more abundantly covered with pure yellow flowers of more rounded petals and slightly greenish petal's outside base. From Mramornij mnt., S Altai.
378. Gymnospermium darwasivum

Another nice Gymnospermium, quite easy growable (sometimes self-sowing) although not as spectacular as G. albertii for the stem is quite pale dark brown. Flowers deep yellow with greyish brown shading on petals outside base. Offered stock comes from Varzob gorge in Tajikistan.

## HYACINTHUS

379. Hyacinthus chionophylus

Flowers are blue or slightly lilac toned, very sweetly scented. Not very difficult to grow and NEW always surprises by its elegance comparing with fat spikes of garden cultivars. Very few. $\mathbf{1 5 . 0 0}$
380. Hyacinthus litwinowii

Marvellous wild hyacinth from vicinity of Arvaz in Kopet-Dag mountains, S. Turkmenistan with large spike of rather small violet-blue flowers in rosette of wide leaves. I successfully grow it on outside beds providing good drainage and annual lifting to ensure hot rest. Very few available.
381. Hyacinthus transcaspicus

It is another wild hyacinth from Kopet-dag mountains easy separable from H. litwinowii
by much narrower leaves. Flowers generally are violet blue (from Turkmenistan) but can be very pale, almost white (from Iranian side).

## IRIS

## JUNO (SCORPIRIS) SPECIES

## 382. Iris albomarginata

I offer true species collected in locus classicus. Flowers light blue with white blotch but quite variable on 10 to 25 cm long stem. Under this name II. graeberiana, vicaria or zenaidae usually are offered.
383. Iris aucheri from Bahce Koyu, Turkey

This iris was collected during BATM expedition near vil. Bahce Koyu, it is good increaser, vigorous and variably blue shaded but rarely blooms with me as usually start growing in winter and are damaged by frost. Must be much easier in districts with a something milder winter.
384. Iris $\boldsymbol{x}$ 'BLUE LIPS' $\mathbf{( 9 6 - H T )}$

Alan McMurtrie crossed not only reticulata irises but some of Juno species, too. This hybrid between true I. graeberiana and I. bucharica has light blue flowers; falls are white with light blue edges and deep blue slightly ruffled tips, ridge undulate, white, greenish yellow at base. Standards violet blue.

In this hybrid blood of I. magnifica and I. graeberiana are involved. Flowers are violet

This one is seedling raised by me from Alan McMurtries selection "LWW". Flowers are big and with combination of pure white and clean lemon yellow. Lobes of style branches are very long, shallowly laciniate and crisped giving impression of frilly appearance. One of the best bicoloured form.

## 387. Iris bucharica yellow 'DUSCHANBE'

Very vigorous tall growing form with throughout deep yellow flowers from Tajikistan. Collected by A. Kruminsch in 1979 near Dushanbe. It keeps its colour in seedlings and is very distinct from others.
388. Iris bucharica yellow 'TOP GOLD'

Excellent selection from Iris bucharica seedlings made by A. Hoog with large pure yellow flowers, only style branches are slightly lighter in shade. Falls deep yellow with few brownish stripes on each side of crinkled ridge.
389. Iris $x$ 'COOL ELEGANCE' (95-JO ?)

This hybrid between I. bucharica and I. magnifica has large and sturdy white flowers with beautiful round lemon yellow falls and deep yellow ridge, standards are light blue. May be the seedlings number isn't correct, as there are some mix of labels, but flower colour confirms parentage.
390. Iris galatica

Flowers in general light reddish-purple with dark purple blade but can be quite variable. Flower shape, characters of foliage and bract and bracteole of offered sample well suits the original concept of the species. Collected near Zelve, in Cappadocia, Turkey.
391. Iris $x$ 'graeberiana" 'DARK FORM'

This superb hybrid was raised in Czech Republic before II World War and in sixties sold to Potterton \& Martin, who then offered it as "I. graeberiana dark form". Now it disappears from catalogues. It is very vigorous growing plant almost indistinguishable from Iris zenaidae, but it is sterile.
392. Iris kuschakewiczii Alma-Ata

Regardless of almost desert like conditions in nature it is surprisingly tolerant species grown for many years with me even in outside garden. Only 15 cm tall with up to four light violet blue flowers with white ridge surrounded by large deep purple blotch. From near Alma-Ata in Kazahstan.
393. Iris magnifica 'AGALIK'

The tallest of Juno irises with very light blue, even whitish flowers. Excellent form from Agalik valley, Seravschan mnt. range, Uzbekistan. Easy in garden where abundantly blooms and increases from year to year.
394. Iris magnifica 'AMAN-KUTAN'

By everything but flower colour similar to stock from Agalik. Flowers of this one are much darker blue, something halfway to cv. 'Margaret Mathew". Very easy to grow, excellent for open garden.
395. Iris $x$ 'NIGHT HERO' (97-LK)

This is hybrid between I. zenaidae and I. bucharica. Its flowers are tricoloured, standards and style branches are light violet blue, but falls are brownish purple with very large bright lemon yellow dentate ridge. I don't know other similar between Juno irises.
396. Iris orchioides s.l. 'KHIRGHIZIAN GOLD'

This is vegetatively propagated clone from one bulb originally brought by me from AlaArcha in W Kirghizian Ala-Tau during my first mountain trip. It has throughout intense yellow flowers, of much deeper colour than in any of seen stocks so far. I suppose it must be separated at least as subspecies.

## 397. Iris orchioides s.l. 'REZAKSAI'

This form has slightly yellowish, almost white flowers with large deep yellow blotch on the fall and extremely hairy ridge and it very well increases vegetatively in wild and in garden. It was collected in valley of Rezaksai, Uzbekistan. Certainly must be separated at least as another new subspecies.
398. Iris orchioides s.l. 'URUNGATSCHSAI'

This stock represents the other extreme of variation of this species s.l. being dwarf, only $12-15 \mathrm{~cm}$ tall with 1-3 large creamy white or creamy, yellow crested flowers, ridge hairy in throat. One of the showiest Juno irises, certainly worth of the FCC award. Keeps its dwarf habitus in culture, too. Storage roots thin. Collected on Ugam mnt. range, Uzbekistan.

## 399. Iris pseudocapnoides

When I for the first time collected this iris at Chimgan it never associated in my mind with I. orchioides as it was regarded by local botanists. The first name I gave to it was I. capnoides. Finding of true I. capnoides showed that Chimgan plant is new species. It is up to 35 cm high with 3-6 whitish flowers shading violet with age and crenate (not hairy as in I. orchioides s.l.) ridge. Storage roots very thick.

## 400. Iris rosenbackiana 'HARANGON'

This is one of the latest flowering forms. Flowers are very big, white with violet tint, blades of falls violet, anthers white. One of the most beautiful. Excellently growing stock coll. in Harangon, Hissar mnt. range, Tajikistan, which in flower colour approximates so called I. nicolai.

## 401. Iris rosenbackiana 'TOVILJ DARA'

Flowers bright purple. Undoubtedly, the most deviating colour form of this variable sp. which mostly correspond with a colour traditionally regarded as typical for $I$. rosenbachiana. Found only near village Tovilj-Dara, N Darwas.
402. Iris $x$ 'SMILE OF SUN' (07-01)

This one was selected from open pollinated seeds of Iris bucharica, but certainly is hybrid, because don't set seeds. Flowers are very stocky, even "fat" with very wide deep yellow falls, wide whitish style branches and large bluish standards showing influence of I. vicaria or I. zenaidae blood.
403. Iris $x$ 'SNOWBUNTING'(96-NO)

Alan McMurtrie's Juno hybrid between I. vicaria and I. bucharica. This one has slightly bluish shaded almost white flowers with very prominent dark lemon yellow ridge surrounded by yellow zone and light blue standards.
404. Iris $x$ 'SUNNY SIDE'(93-KA or 93-LH)

One of the most elegant hybrids between I. magnifica and I. bucharica, blooming very abundantly with generally light yellow flowers but large falls are much deeper yellow with almost orange ridge surrounded by large zone of same colour. My favourite from first blooming. Tall, sturdy, vigorous!
405. Iris vicaria 'MAIHUR'

A bit variable stock with light blue flowers. Seems to be the smallest of "vicarias" and the latest of known stocks. When it starts, other stocks finish flowering. Collected in valley Maihur, Hissar mnt. range, Tadjikistan.
406. Iris vicaria 'SINA'

One of the most beautiful of I. vicaria stocks grown by me, with nice slightly violet blue flowers and large light yellow blotch on the falls. From Sina valley, Chulbair mnt. range, SW Uzbekistan.
407. Iris willmottiana

This is a quite variable species, too. The offered stock has 3-8 nice cobalt blue flowers with white blotch on falls on short stout apr. 20 cm high stem with quite densely packed foliage at flowering time. One of the most showy and desired Juno species. From Karatau m. range, Kazakhstan.

Very vigorous Juno iris considered being a hybrid between I. warleyensis and I. aucheri (sindjarensis), but it is quite doubtful. Actually it looks as a hybrid between I. warleyensis and I. bucharica. Standards almost white, falls white with yellow blotch, edged brown.

## 409. Iris zenaidae <br> Flowers large, deep cobalt blue, widely winged with white, striped blue blade, crest white with distinct blue rim. One of the rarest and most beautiful species introduced in culture. Very good grower. Collected in its locus classicus - Kugart valley, Fergana mnt. range, Kirghizstan. <br> RETICULATA IRISES

## 410. Iris histrioides

Possibly most beautiful of reticulata irises, now is very rare in nature and I didn't find it during my trips. Several years ago I got some pinch of seeds from Czech collector and from those seeds come offered stock. Flowers are large, brightest sky blue, falls are of same shade with blotch bluish veined on whitish ground and more or less prominent small yellow midvein.
412. Iris reticulata caucasica

Marvellous dark reddish purple I. reticulata form collected wild near Tbilisi, capital of Georgia. Those are grown from wild collected seeds, so are a little variable, but all keeps the reddish shade, so famous for this form.
413. Iris reticulata 'DARKNESS'( $\mathbf{9 0} \mathbf{- B H - 1 )}$
Excellent hybrid from Alan McMurtrie of typical Iris reticulata flower form with something slimmer all parts of bloom. Standards and style branches bright reddish purple, falls near black with small creamy yellow ridge surrounded by tiny white zone, which contains a few near-black dots.
414. Iris reticulata 'PARIS FLARE'(94-FL-5)

A unique looking reticulata. It's purple in colour, with a pointed velvety fall blade. You'd almost swear the blade was indeed made of purple velvet. The area around the fall ridge is darker, to the point of being black. The fall blade colour appears solid; without the typical white beside the end of the ridge.
415. Iris reticulata 'TURKISH DELIGHT' (93-BY-7)

Flowers of classical I. reticulata form and reddish violet shade throughout all flower parts only around the falls ridge the colour changes to blue. The ridge itself is a striking bright yellow, which bleeds into the fall making the ridge appear very wide. Raised by Alan McMurtrie.
416. Iris reticulata 'VELVET SMILE'(87-CQ-3)

Alan McMurtrie crossed the Armenian I. reticulata caucasica (from lake Sevan) with an unregistered blue hybrid from William van Eeden. In my opinion it is far better then all other traditional cultivars. Flowers are very large, with bluish-purple standards and very deep purple falls marked with bright orange-yellow ridge surrounded by white stripes.
417. Iris reticulata 'VIOLET MYSTERY'(92-CG-1)

A delightful dark violet iris with bright yellow ridge. From a cross made by Alan McMurtrie between the Armenian I. reticulata caucasica (from lake Sevan) and I. histrioides.

## INTERSPECIES HYBRIDS RAISED BY ALAN McMURTRIE

My Canadian friend Alan McMurtrie is well known to Iris lovers for his fanatical interest in reticulate irises. Alan has made thousands upon thousands of crosses which have been yielding unusual colours, flower forms, etc. By kindness of Alan I again can offer to you few new hybrids.
418. Iris sophenensis $x$ danfordiae $x$ Çat species ‘APPROACHING STORM’(89-AC-4)

Style lobes dark greyish blue, the blue tone of falls combined with a bit of yellow gives very strange greyish appearance. Very unusual colour remembering dark clouds before storm. Ridge light yellow with white stripesl
419. Iris sophenensis $x$ danfordiae $x$ Çat species 'AVALANCHE'(98-NP-4)

Flowers of it are brightest white with few navy spots near light yellow ridge of falls; but especial beauty to this charmer is added by large deep navy blue mid-zone on otherwise brightest white style branches. This one has normal standards that are topped off with a cusp. Very, very striking!
420. Iris sophenensis $x$ danfordiae 'DEBONAIR' (00-JB-1)

A stunning combination of pale blue, yellow, green and white. Its falls are brushed pale blue turning green towards the ridge. The large centre area is yellow with a few green dots. Its style arms are very distinct, with the rib being light yellow, changing to light green on either side, and then light blue along the outer $1 / 5$. The large style lobes are white.
421. Iris sophenensis $x$ danfordiae 'DOWN TO EARTH'(94-AT-2)

Magnificent rich dark brown on a yellow ground, nicely accented with blue-green toned style arms that are tipped yellow-green. The various hues on the style arms give it a mysterious quality. Its standards have been reduced to yellow-green hairs only 0.5 mm in width but of normal length.
422. Iris sophenensis $x$ danfordiae 'MAKING OUT'(95-CS-1)

This one is very slightly greenish shaded white with lemon yellow ridge on falls and very sparse and narrow deep blue spots on sides. Style branches with large greenish blue midzone well contrasting with other parts. Its standards have been reduced to white hairs of normal length.
423. Iris danfordiae x Çat species 'ORANGE GLOW'(98-OO-1)

Yellow-orange with striking rich dark brown markings. This was the first hybrid to show that an orange reticulata is possible. But what really makes it a show stopper, is its rich dark brown style arm ribs, and wonderfully intricate dotting around the fall ridge of that same brown. The name expresses the fact that the orange intensity fades as the flower ages, and that the orange intensity is a bit stronger around the fall ridge.
424. Iris sophenensis $x$ danfordiae $x$ Çat species 'PASSION’(98-PR-3)

New description. Last year wrong description for some label mistake was attached to this cultivar, sorry! A wonderful olive and yellow combination. Very unusual and striking. Its fall blade is olive overlaid on a bright yellow ground, with typical white areas beside its yellow ridge. This bright yellow and white area around the ridge contains numerous large olive blotches. The style arms are olive infused purple, while the lobes are olive with a touch of infusion around the edges. Its standards are reduced to hairs about 7 mm long.
425. Iris sophenensis $x$ danfordiae $x$ Çat species 'PLUM CUDDLES'(98-NP-6)

I would have never thought in my widest imagination that you could have a Reticulata that would capture all of the hues and shades of a purple plum (the fruit), but here it is. Red tones. Purple tones. Wow, I almost want to eat it.
426. Iris sophenensis $x$ danfordiae $x$ Chat species 'REGAL' (98-NP-9)

An indescribably gorgeous violet-blue. I've never quite seen anything like it before. The style arm ribs are accented blue and have a white apex. The standards range between $1 / 2$ to $2 / 3$ of normal width and are respectively either pointed or cusped.


#### Abstract

427. Iris sophenensis $x$ danfordiae $x$ Çat species 'RUBY'(98-NP-3)

Lovely ruby colour on a yellow background. Somewhat darker or more intense around the fall ridge, with numerous large ruby blotches and veins filling the surrounding yellow. The style arms are lighter with violet tones in the ribs. Its standards are hair-like. Just brownish and pinkish shades ads special beauty to this flower.


428. Iris sophenensis $\boldsymbol{x}$ danfordiae 'SEA GREEN'(97-CQ-1)
An amazing blue-green, with a hint of slightly darker veining. A yellow circle surrounds the ridge, which is filled with large dark blue-green dots. The style arms are infused with dark blue and plum while their lobes are similar to the fall. Normally we don't like if a colour fades, but in this case, just before the flowers finish, much of the yellow comes out, leaving a lovely blue flower with only yellow surrounding the ridge. It's quite something to see some of these blue flowers beside their green counterparts.

## 429. Iris sophenensis $x$ danfordiae 'SNOW AND SKY'(00-KV-2)

Pure white with a few dramatic dark blue markings and a yellow fall ridge. The white style arms have a beautiful wide light blue stripe running down their back. Its long narrow white standards are only 2 mm at their base and taper to a point like a rapier.
430. Iris sophenensis $x$ danfordiae $x$ Çat species 'STORM'(98-NP-2)

Occasionally as a storm approaches dark, almost black, clouds stand out in stark contract to the surrounding sky. This reticulata is similar. Bright yellow shines through very heavy black veining on its fall, which is offset by blue style arms with yellow-green ribs. Occasionally the blue appears slightly mauve. Its standards have been reduced to hairs only 0.5 mm wide and half their normal length. Incredible colour.
431. Iris sophenensis $x$ danfordiae 'SUNBEAM'(98-NP-7)

Stunning yellow and white bicolour! Falls are bright yellow lightening to cream at the edge. Highlighted by a few large green blotches. Style arms are white, with pale green ribs (sometimes dotted). Hair-like standards. Few.

## YOU CAN SEE ALAN'S HYBRIDS ON HIS HOME PAGE www.Reticulatas.com

## OTHER BULBOUS IRISES (XIPHIUM)

## 432. Iris latifolia 'DARK WAVES' <br> This form is summer flowering $60-70 \mathrm{~cm}$ tall with deep see-blue flowers. I raised it from seeds collected by Michael Hoog in Spain and presented to me during my first visit in Holland. Surprisingly hardy here but flourished only in unheated greenhouse.

433. Iris latifolia 'LIGHT CLOUD'

From the seedlings of I. latifolia I selected three colour forms. This one is the lightest with almost white, slightly bluish shaded flowers.
434. Iris latifolia 'SKY BLUE'

It is another colour form with very large light blue flowers. Selected between seedlings of same origin as in previous stocks. All are very good growers of exceptional beauty.

## REGELIA, REGELIO-CYCLUS AND OTHER IRISES

435. Iris $x$ 'AFROSIAB'

Iris stolonifera hybrid with beautiful large flowers with light violet standards changing to brown at edge; falls deep violet purple changing to white in throat with blackish veins. Beard in throat orange changing to yellow and turning blue on deflexed part.

## 436. Iris $x$ 'HEINDALL'

Excellent large flower of perfect shape throughout light violet with slightly lighter edge of standards and large deep reddish purple signal blotch on falls. Beard brownish.

## 437. Iris hoogiana 'ALBA'

There are many clones offered in trade under name I. hoogiana 'Alba'. Generally they aren't white at all or are white with light hue of lavender blue and most of them are virus infected. I offer a healthy stock found in Varsob gorge with purest snow-white flowers and golden yellow beard on falls.
438. Iris hoogiana 'BLUE MOUNT'

In nature the most widely distributed form of this nice species is plain slightly lilac to pure blue with yellow beard. This stock originates from Varsob gorge, Tajikistan. It is bright blue, very fragrant, with two or three large flowers on stem. Height $40-60 \mathrm{~cm}$.
439. Iris hoogiana 'DEEP PURPLE'

Selection from wild I. hoogiana with deep dark purple flowers and very dark brownishgrey beard on falls. In other aspects as a blue form.
440. Iris hoogiana 'PURPLE DAWN'

Another selection from wild I. hoogiana with light purple flowers and yellowish brown beard in throat.
441. Iris korolkowii BASHKIZILSAI

This stock was collected near Bashkizilsai without flowers and before it bloomed with me I was quite doubtful with naming as rhizomes were atypically stoloniferous. Flower parts narrow, base colour white with deep brown veining and signal blotch.
442. Iris $\boldsymbol{x}$ 'MERLIN'S MAGIC'

Standards of this beautiful hybrid with I. stolonifera in its pedigree is deep maroon-brown with electric-violet flush at mid part, slightly pinkish styles has cocoa-brown crests, falls are very dark brown with violet flush below slightly lavender at tips beard.
443. Iris $x$ 'PERESH'

Wonderful hybrid of complicate ancestry from so named Aril-iris group with light brown veined white standards and light tan-coloured style arms. Falls are cream with brown veining from tear-drop shaped wine brown signal patch to edge of petal, beard wide, yellow. Abundantly flowers and is excellent grower in my unheated greenhouse.
444. Iris $x$ 'SATAN'S MISTRESS'

One of the darkest flowering hybrids in my collection. It wouldn't be easy to find more perfect name for this beauty. Flowers are really black with only slightly reddish or bluish shading. Only in throat beard has slightly yellowish tips. 25\% of its "blood" comes from I. korolkowii.

## 445. Iris $x$ 'SHEBA'S JEWEL'

Flowers very large almost white but standards are very lightly bluish shaded, strongly reflexed fall are slightly creamy with very large deep violet purple signal blotch in centre, beard yellowish but not very prominent.
446. Iris $x$ 'SPIRIT OF CALEB'

Huge standards of this amazingly beautiful hybrid are pure white with slightly chartreuse green shaded midrib. Falls are slightly greenish yellow narrowly edged white with large purplish brown signal blotch. Very floriferous - forms up to 5 blooms on stem.

## 447. Iris $x$ 'STOLEN HEART'

Another hybrid of exceptional beauty with throughout purest white flowers of even colder white tint of standards as in 'Spirit of Caleb' but very prominent signal blotch on the falls is reddish violet black.

## 448. Iris stolonifera ‘CHOCOLATE’( \# 14)

In this clone selected from Sina stock flowers are the most brownish coloured between all others. Falls are deep brown, slightly violet toned in middle, standards are white with brown nervation and wide brown edge.

## 449. Iris stolonifera 'HELICOPTER'(\# 01)

This excellent selection from plants collected at Sina in sun widely opens, even standards turns horizontally, giving amazing shape to this beauty in which excellently are combined different shades of pink, lilac, violet, blue, white and brown.

This excellent selection from plants collected at Sina in sun widely opens, even standards turns horizontally, giving amazing shape to this beauty in which excellently are combined different shades of pink, lilac, violet, blue, white and brown.
451. Iris stolonifera 'SINA DARK'

Very dark coloured form with flowers of strange purplish brown tint, not easy to describe. Middle zone of standards distinctly light violet. Collected under large archa (Juniperus) in Sina valley, SE Uzbekistan, where it was just the darkest clump, which I have ever seen.
452. Iris stolonifera 'STORMY WEATHER' (\# 07)

Excellent selection from Sina stock with deep violet falls with white beard and bluish white widely rimmed brown standards. At Sina we met heavy storm with all colours in sky and just this inspired me in naming of this clone
453. Iris stolonifera 'WHITE FLAG'

Standards with very large white slightly pinkish violet shaded middle-zone turning soft brown to edge. Falls deep violet, turning brownish violet at edge and brown striped on white ground in throat. Beard white.
454. Iris $x$ 'WHITE ARTS'

It is hybrid between some tall bearded iris cultivar and I. hoogiana with large brightest white flowers in my collection of iris hybrids in this group. Only at edge of flower parts are very narrow and very light yellowish shaded zone.

## MUSCARI AND THEIR RELATIVES

## 455. Bellevalia pycnantha

Flowers are very dark dull blackish blue-violet, inside tinged green in large broad racemes between two linear basal leaves. Height $15-20 \mathrm{~cm}$. Very easy in garden. My stock is raised up from wild collected seeds (on wet meadows near lake Van in E Turkey) and is virus-free.
456. Bellevalia rixii

This is very rare species known only from Czug pass with very unusual, slightly variable
NEW
25.00
457. Bellevalia sarmatica

Very nice species with large loose spike. Up turned flowers are white but when they develop and pedicels elongate flowers becomes pendant and turns brown with white rim. Very rarely offered.
458. Muscari adilii

Muscari in general are much overlooked plants but between them are incredible beauties. Between the best is one of the rarest in wild species, discovered not long ago and still known only by few plants in three small localities. Although in wild it is growing in very special conditions on glistening white ground formed from marble or limestone chips, it turned very good grower in standard pot mix, too. I'm offering plants of second generation. They have very dense and "fat" spikes of very deep blue colour.

Very nice species described only in 1994 with tiny flowers attached with short pedicels to reddish toned flower stalk. Fertile flowers almost black with little purplish shade and large recurved white lobes distinctly constricted at mouth. Fertile flowers very light blue, making excellent contrast.
460. Muscari armeniacum BATM-465

During my Turkish travels I gave great attention to grape hyacinths, most of them were collected in seeds and their blooming in my collection brought nice surprises. This one was collected between Akseki and Beyshekir and enjoyed me with large deep blue spikes.
461. Muscari armeniacum LST-120

This one was very large in nature, in cultivation smaller, but with exceptionally bright sky blue fertile flowers topped by pure white cap of glistening white sterile blooms. Superb colour.
462. Muscari armeniacum late LST-186

When we found this one on Sakaltutan mnt. pass in Turkey we were surprised for very bright deep blue colour and huge size, far better than in all other forms of $M$. armeniacum known. May be new species or hybrid.
463. Muscari aucheri

The bright blue, fertile flowers have small white teeth, few sterile flowers at top of spike is much paler. Leaves are comparatively wide and appear together with flowers, it is great advantage comparing with autumn born leaves of M. armeniacum, quite often damaged during winter.
464. Muscari azureum

Flowers bright blue in dense 3 cm long racemes, leaves narrowly oblanceolate, channelled. Excellent for naturalizing on well-drained soil. From Kizildag Pass, Turkey.
465. Muscari botryoides 'CARNEUM'

Very old variety with roots in XVI century, thought as lost and only recently rediscovered in an old Estonian garden. Flower spikes of M. botryoides shape but blooms clear pink, lighter at top of spike.
466. Muscari comosum

Excellent muscari from Leopoldia group with deep purple something addressed to stem fertile flowers and nice light violet blue fertile flowers arranged in large "cap" on top of long spike.
467. Muscari discolor

The fertile flowers of this dwarf species are deep blackish-blue with widely open and flared white lobes, sterile flowers light blue to violet. Up to four, narrow, channelled leaves below a dwarf stem bearing large flower spike.
468. Muscari grandifolium

Rarely cultivated Muscari from Morocco where it grow at 1700 m altitude in Middle Atlas mnt. Hardy in greenhouse, although foliage can be damaged in winter. Flowers arranged in fine heads of blue-black from china-blue buds.
469. Muscari leucostomum

Flowers very dark blue, almost black. Collected near Duschak, Kopet-Dag mnt. Range, Turkmenistan.
470. Muscari macrocarpum

Beautiful seed raised stock and so it is virus-free comparing with heavy infected stocks usually offered on trade. Flowers at opening are light pink to violet turning later to bright yellow and are tremendously fragrant. Makes fat bulbs with perennial roots and seldom makes offsets. Nice even at seed-time due large seed capsules.

## 471. Muscari massayanum

Amazingly beautiful Muscari where it is not easy to decide when it is more beautiful - in flowers or in fruits. Forms long spikes with bottom flowers greenish yellow tipped brown, in mid-zone flowers purple with yellow tips but uppermost bright violet blue with pinkish tips. Flowers sitting on very short pedicels, so large airfull seed capsules densely covers spike making plant very beautiful even very long after flowering.
472. Muscari mirum

Quite recently described species something similar to M. massayanum with dense raceme of cylindrical, brownish with yellow reflexed lobes fertile flowers and many bright lilac sterile flowers at top. In wild with one leaf but in cultivation usually with two leaves. Seedpods very large.
473. Muscari muscarimi HONAZ-DAG

Representative of Muscarimia with large spikes of cold white flowers with brown lobes in lower part which gradually changes to slightly lilac shade at top. Nice fragrance. Makes bulbs with perennial roots and seldom makes offsets. Raised up from seeds and its greatest advantage compared to plants usually available from Dutch companies is that it is virus-free.
474. Muscari muscarimi Ron Leeds form

This one is intermediate between M. macrocarpum and M. muscarimi (may be hybrid). Fertile flowers are light yellow with greenish shade but sterile - dull violet. Very strong beautiful fragrance fill greenhouse at its blooming time. Need the same treatment as both relatives. Limited stock.
475. Muscari pallens

True wild species from N Caucasus, where it grows in rock crevices. Flowers variable white and very light blue, sometimes with yellowish tint in small spikes. Late blooming species. One of the most beautiful Muscari.
476. Muscari polyanthus 'SNOW QUEEN'

Undoubtedly the best white muscari I ever saw. It forms incredibly large and dense spikes of purest milky white. My first choice for its name was 'Milky Way' but as the same are used for famous brown chocolate, I changed name to 'Snow Queen'.
477. Muscari sivrihisardaglarensis

It is very recently described species and for its name Turkish botanists used the name of mountain ridge where it was found. My stock was originally collected during LST expedition and we found that it is much wider distributed than earlier supposed. Flowers dark violet with large white, constricted but with flared lobes mouth. Stem reddish toned (not always).
478. Muscari spreitzenhoferi

This Cretan endemic was collected by me and my wife during our autumn trip to Crete. Not easy to describe its colour. The fertile flowers are of strange greenish-brownishpurple colour with bright yellow constricted mouth. Sterile flowers are light pink or blue. All they are composed in tall but loose spike.
479. Muscari tenuiflorum

Beautiful representative of Leopoldias with long spikes and sterile flowers of slightly lilac tinted, even pinkish-blue colour and deep blue fertile flowers on short pedicels along the spike. From N of Refahye in Turkey.

## 480. Muscari 'BABY'S BREATH'

Very nice pale greenish-blue flowers, something new among traditional muscari colours. The blue is delicate, almost but not quite white. The scent is sublime and the lime green bud gives just the right amount of counterpoint. Introduced from Cyprus, by Jenny Robinson.

## ORNITHOGALUM

Beautiful but much overlooked bulbs, generally because of few species, which can become terrible weeds in the garden. Ornithogalums offered by me will never bring such a trouble to your garden. Some give excellent cut flowers.

## 481. Ornithogalum balansae

One of the earliest ornithogalums of my collection. Up to 12 snow-white flowers in rosette of leaves. Prefers sunny position in well-drained sandy soil. My stock comes from Ulu Dag mnt. in Turkey.

## 482. Ornithogalum fimbriatum

Flowers pure white, among a numerous narrow, densely hairy leaves, height $10-15 \mathrm{~cm}$. Collected in Crimea, Ukraina. Very beautiful!

## 483. Ornithogalum flavescens aff. dwarf (RUDA-056)

Ornithogalum flavescens as I knew it before always associated in my mind with more
than 1 m tall spikes and large bulbs. This plant from Turkey is almost identical with my old favourite but much smaller in all parts - only some 30 cm tall, but colour and flower shape is the same. Very good for pots.

## 484. Ornithogalum lanceolatum

Very beautiful species with very large white flowers in dense umbel in rosette of wide glossy green leaves, appearing in autumn but overwintering very well. It is one of the earliest flowering species here, in milder climate can to bloom in winter. From Altinyaila.

## 485. Ornithogalum narbonense

Flowers milky white in long, many flowered spikes, approximately 70 cm long. Middle season flowering of tall species - here in the first week of July.
486. Ornithogalum oligophyllum

Superficially is similar to $O$. balansae but leaves are glaucous and longer. Prefers a sunny position in well drained soil, forms up to 12 snow-white flowers, height $10-15 \mathrm{~cm}$.

## 487. Ornithogalum oreoides

Flowers white-green in large dense umbel between bunch of narrow leaves. Collected in Krasnodar district, North Caucasus.

## 488. Ornithogalum ortophyllum

Flowers are white in a dense umbel in a rosette of narrow leaves, quite similar to common Star of Bethlehem, but without bulblets around the base of the parent bulb. From village Sakharna, Moldavia (Bessarabia).

## 489. Ornithogalum platyphyllum 'VARDAHOVIT'

Nice large flowering species with green-white flowers in compact raceme among wide leaves up to 20 cm high. Needs dry summer rest. In any case good grower in garden. Collected in Armenia, near Vardahovit.
490. Ornithogalum ponticum 'SOCHI'

Only quite recently described species, somewhat close to $O$. pyramidale from S Europe. Flowers pure white densely spaced on compact ( 60 cm ) spikes, very spectacular and useful for garden and flower cutting.
491. Ornithogalum pyramidale

European ally of $O$. ponticum, in general very similar, but with longer spikes not so densely covered with white flowers. Up to 80 cm long.
492. Ornithogalum tenuifolium

Flowers are white with green in a dense umbel among numerous, very narrow leaves. Height 10 cm . Non-invasive! From Spitak district, Armenia.

## OSTROWSKIA

## 493. Ostrowskia magnifica

Unusual representative of Campanullaceae with a big tuberous rootstock and with 6-10 light whitish-blue, large flowers up to 15 cm across on up to 1 m high stem. Needs sunny well-drained place, dry in late summer. Big plants don't like replanting, so I'm offering 4 -years old seedlings, which will flower at least in second year. From Hissar mnt. range. Only few available!

## OXALIS

## 494. Oxalis adenophylla 'PURPLE HEART'

Flowers deep pink, only base of petals white, throat greenish shaded. This is much dwarfer form but its greatest advantage is purple coloured base of leaves, giving to each glaucous green rosette of leaves "purple heart"!
495. Oxalis ennaephylla 'PINK JEWEL'

Another newcomer for this season with light soft pink flowers with brownish nervation,

more prominent in small, greenish yellow throat but disappearing to edge. Blooms very
abundantly.
496. Oxalis ennaephylla 'SHEFFIELD SWAN'
Found on Falkland Islands and named by my great friend Kath Dryden. An excellent pure white selection with greenish eye and big flowers produced in abundance when I plant it outside. In greenhouse may be it is too hot. ..... 10.00
497. Oxalis ennaephylla 'WHITE CLOUD'
Oxalis ennaephylla is one of most variable by flower colour species. This year I can offer two new clones carefully increased from one plant. This one has almost white flowers with purplish nervation and green throat and blooms very abundantly. ..... 12.00

## ROMULEA

## 498. Romulea clusiana

It is the first time when I'm offering some Romulea - close relative to crocuses with contrasted deep yellow throat narrowly edged cream. Many branched stigma is white. Best of my romuleas, originally collected wild in Marocco by my Belgium friend. Excellent in pots.

## SCILLA

499. Scilla amoena

Very elegant species with bright violet blue flowers with deep blue midrib and small
white centre nicely composed on purplish toned stalk. Outer petals are slightly rolled back. Easy both - in pots and garden.

## 500. Scilla armena

This nice Scilla has only one (occasionally two) bright violet-blue flowers per scape, but small number of flowers are compensated by larger number of scapes which can be up to 10 for well established bulb. Offered stock originally was collected in Turkey near road from Kars to Ardahan at 2175m.
501. Scilla autumnalis Crimean form

Scilla autumnalis (now regarded as Prospero) is very variable in nature. Not all forms
are good growers. Crimean plants belong to the best and earliest to bloom with medium sized spikes densely covered with pinkish blue flowers.
502. Scilla autumnalis from Gencek, Turkey

This is another good growing form from near Gencek in Turkey which is of same vigour
but blooms something later with more bluish shaded flowers in taller but very dense
flower spikes.
503. Scilla bifolia tauricaScilla bifolia is very widespread in nature and not all forms are good growers in garden.This Crimean form has up to 20 much larger bright blue flowers and turned to be verygood garden plant. It is so different that some Russian botanists regard it even as differentspecies. I collected it in 1983 on way to Ai-Petri yaila and it turned the best of my wildcollected bifolias.

## 504. Scilla caucasica

Numerous, up to 9 big, deep violet flowers on 15 cm stems. Its leaves are intensively purple suffused and almost addressed to soil at flowering time, what gives plant a charming appearance. One of my favourite scillas.
505. Scilla cilicica
This is very nice and distinct scilla with violet blue flowers composed on erect pike. Flower petals are something narrow but nicely reversed. It was collected by our team in Turkey at 1200 m in cracks of rocks and under shrubs where it grew in peaty clay soil together with Hyacinthus orientalis.
506. Scilla ingridae 'VACLAV'
Excellent form of this beautiful species reported as collected in Taurus mnt. range, S Turkey and received from my Czech friend Vaclav Jošt under name S. ingridae It has very long numerous racemes with up to 10 flowers in each spike. In any case very different from wild $S$. ingridae. One of the best.

## 507. Scilla mesopotamica

Recently described species from S. sibirica group with very light blue, slightly violet shaded flowers on very short pedicels, distinct from others. In its colour can compete only with $S$. winogradowii.

## 508. Scilla puschkinioides

Flowers 3 to 6, greyish white with sky blue tinge. Good addition to every Scilla collection for its quite different appearance, resembling Puschkinia. Need dry summer rest. I offer the best form collected at Kugart, Khirghizstan
509. Scilla rosenii
Flowers very beautiful vivid blue with white centre. The perianth segments are sharply reflexed like in erythroniums. I grow it in full sun, in peaty soil, never allowing it to dry out. From Chra-Ckaro pass, Georgia.

## 510. Scilla rosenii 'ALBA'

Scilla rosenii by itself is plant of exceptional beauty, but its albino form is out of competition, with purest white flowers of perfect form and yellow anthers, only some albino forms of $S$. gorganica with their blue anthers may be is a little better. Very limited stock.

## 511. Scilla scilloides

Excellent autumn blooming scilla with pinkish lilac flowers in dense pyramidal spike from China and East Siberia. Very hardy and floriferous.

## 512. Scilla $x$ sibrose

This marvellous hybrid was selected from seedlings of Scilla rosenii, which easy hybridize with $S$. sibirica if both are grown together. The hybrid show all vigour of such hybrids, flowers are of deep colour of S. sibirica, large size of S. rosenii, intermediate in form and blooms exceptionally abundantly.

## STERNBERGIA

## For EU \# 513; outside EU \# 603. Sternbergia colchiciflora

Beautiful tiny sternbergia with small bright yellow flowers almost at soil level between longitudinally twisted dark green narrow leaves appearing only in spring, so it can be grown outside here.

For EU \# 514; outside EU \# 604. Sternbergia fischeriana
Usually sternbergias associates with yellow flowers in autumn. Gardeners know one exception - white S. candida blooming in spring. Now I can offer another spring bloomer - even more rare S. fischeriana with large cold yellow flowers formed in spring. This stock comes from most Northern population in Armenia. Needs warm and dry summer conditions.

## For EU \# 515; outside EU \# 605. Sternbergia greuteriana

Quite recently described new species (?) of sternbergias from Crete with bright yellow flowers, at flowering time almost leafless but leaves elongates during flowering. Larger than S. colchiciflora but smaller than S. sicula. Greatest advantage - lush leaves don't miss enjoying of flowers.
For EU \# 516; outside EU \# 606. Sternbergia lutea
It is one of the largest of autumn sternbergias with golden yellow goblet shaped flowers from September between wide deep green leaves. At present S. lutea, sicula and greuteriana botanists regard as the same species, but they are so distinct that for gardeners' purposes better to keep separately.
For EU \# 517; outside EU \# 607. Sternbergia sicula
Large buttercup yellow flowers early in autumn with deep green narrow leaves. I grow it in unheated tunnel because outside during our winters leaves usually are seriously damaged. From Greece.

## TRILLIUM

## 518. Trillium grandiflorum 'GOTHENBURGS PINK STRAIN'

Superb selection made in Gothenburg. It is created by crossing the old Edinburgh pink with a new Fred Case pink selection. The offspring is a good pink with bronzed foliage and with light pink flowers. The greatest feature which separates it from others is purplish toned leaves, especially at start of vegetation. Although rootstocks look quite small, they flowered here but as it is common with Trilliums replanting can delay blooming for one season. As seed propagated strain it is a little variable. Very limited stock.

## 519. Trillium luteum

Unusual between trilliums by its lemon yellow flowers with nice aroma of citruses and
silvery-bronzed leaves. Takes some time to settle down, but later is very good plant for slightly shaded part of garden.

## TULIPA

## 520. Tulipa armena subsp. armena

Nice dwarf tulip with big size crimson red flowers in centre blotched black. Leaves nicely undulated. Charming and not difficult. My stock originally was collected NE of Erzurum, Turkey.

## 521. Tulipa aucheriana

Charming dwarf plant with star shaped deep rose pink flowers with purplish basal blotch diffusely edged white. Always in great demand!

## 522. Tulipa berkariense

I discovered this tulip during my first trip to Central Asia but never had courage to describe it as new species. Now cytological researches confirmed that I was right - it really is new beautiful short tulip species with large widely open star like white flowers and large deep yellow centre. Each customer will receive two bulbs, each from different clone.name. This one comes from Kurama mountain ridge in Uzbekistan and was identifiedby Dr. Arnis Seisums.

## 524. Tulipa bifloriformis 'STARLIGHT'

One of many clones of this very widespread in nature species. It is dwarfer (the first flowers open just on ground - excellent for pots) and the flowers are brighter than in others. Collected in Kirghizian Ala-Tau, Kirghizstan.
525. Tulipa butkowii

Extremely rare and even may be cultivated only by me. It is that charming bright red tulip for which I crossed crazy river by steel rope (see pictures in "Buried Treasures"). Height $30-35 \mathrm{~cm}$.
526. Tulipa carinata

In overall appearance similar and taxonomically close to T. fosteriana. It differs in foliage, which is keeled and more upwards oriented. Flowers are of more orange shade than usually in T. fosteriana seen. Collected very close to locus classicus - in heights of Sina valley in SE Uzbekistan.
527. Tulipa clusiana 'MOUNTAINS PRIDE'

This is absolutely gorgeous form from Iran with up to 40 cm tall stem and large slightly pinkish white flower with pointed petals. Back of outside petals deep purplish pink edged white, inside white with large reddish purple shading to violet basal blotch. Filaments are blackish purple, white at top, anthers deep purple, stigma almost white.

## 528. Tulipa clusiana 'TACO'

Most likely it is hybrid with yellow T. montana. Flowers outside is soft red with narrow lemon yellow edge but when flowers open in sun they transforms to large cool yellow stars with darker base and black anthers.
529. Tulipa dasystemon Kashka-Su

The stock comes from very high altitude where it flowers in late May. The late flowering habit is maintained in garden here as well, where it flowers with golden yellow flowers few weeks after a traditional Dutch stock has finished. It is dwarf and has grey green leaves.
530. Tulipa dubia 'BELDERSAI'

True species, very different from Dutch grown stock. Dwarf with 2-3 wide, slightly undulated, greyish, sometimes almost purple leaves and usually yellow with red suffused back of petals flowers, but can be red, orange and even yellow-red striped. From slopes of Beldersai valley, near Mt. Chimgan.

## 535. Tulipa fosteriana $x$ 'RED SPARKLE’(S-31-1/4,5)

It is seedling of complicate pedigree. As seed parent was used hybrid between $T$. fosteriana and greigii, but pollen parent $-T$. vvedenskyi. Flower shape and inner base colour resembles T. greigii. In flowers are wonderful cocktail of brown, yellow and orange red shades. Leaves mottled purple.

NEW
536. Tulipa fosteriana $x$ 'RIGAS BARIKADES'('Barricades of Riga')

Flower of incredible shape - the petals are long, spiny twisted with reflexed tips of beautiful bright orange red colour. In addition this plant has purple striped leaves. This variety is raised in Latvia by Mr. Eltins and named remembering barricades in Riga when we fought against Russian occupation.
537. Tulipa greigii 'EVENING FIRE' (S-14-03)

This excellent form of Tulipa greigii was selected from material originally collected in Berkara gorge in Kara-tau mountains. Flowers are very large, deep red with large heart-shaped purplish black inner basal blotch. Leaves are with pale purple stripes more prominent in upper half.
538. Tulipa greigii 'GOLDMINE'(S-02-9/1)

Flowers dark yellow, inner base black with very wide dark red edge, leaves distinctly undulated, purple striped.
6.00
539. Tulipa greigii 'MORNING GLOW’ (S-14-77/10)

White Tulipa greigii always was dream-plant of tulip breeders. Never founding such plants in wild I started breeding program crossing pinkish toned wild greigii from Berkara gorge with whitish kaufmanniana from Pskem valley. I didn't reach my dream but offered hybrid is one of my "whitest" with creamy white petals and yellow base overtopped with huge deep purplish blotch reaching middle of petals. Leaves mottled.
540. Tulipa greigii ‘MOUNTAINS GLORY' (S-14-14)

Excellent selection from wild T. greigii growing in Berkara gorge. By style of opening seems that some kaufmanniana blood included, but anthers didn't coil. Flowers outside violet pink with creamy edge on bottom $2 / 3$ of petals length; inside bright red with feathered yellow edge and large deep yellow bottom blotch ending with blackish brown blotch up to half of petals length.
10.00

## 541. Tulipa greigii ‘RED MAESTRO’(S-41-1/1)

Fantastic selection of wild T. greigii from Kara-Tau mountains with brightest red flowers of typical greigii shape and large purplish black inner base partly edged with yellow. Leaves with long deep purple stripes.

NEW
10.00
542. Tulipa greigii 'REVIVAL' (S-41-1/4)

Collected wild in T. greigii population but by flower shape and anthers seem to be natural hybrid with T. kaufmanniana. Flowers of cold but deep pinkish red colour with large greyish brown diffused inner basal blotch.
543. Tulipa hageri 'PICCOLO'

Beautiful selection with slightly brownish orange pointed petals and large dark grey inner base surrounded by well contrasted yellow edge.
544. Tulipa humilis 'ALBA'

Flowers white with a large steel-blue centre. Sweetly fragrant.
545. Tulipa humilis 'TETE-A-TETE'

Quite recent selection of Tulipa humilis with very double flowers of nice reddish pink colour, sitting on short stem between rosette of leaves.
5.00
546. Tulipa ingens

It is relative of T. fosteriana known only from a pair of localities near Uzbek and Tadjik
NEW border by shape of flowers resembling T. fosteriana but with invariably brightest red flowers and shining black basal inner base without any spot of yellow. I collected it in Shing gorge from where Corydalis ruksansii comes. All offerings reported as „ingens" from other localities or colours really are misidentified other red tulip species.

## 547. Tulipa kaufmanniana 'DACITE'

Natural hybrid between T. kaufmanniana and T. greigii which I found near Ber-Kara gorge in Karatau mountains and named by my elder daughter. Flowers with pointed yellow petals and bright red midzone on outside. At inside base light brown edged red blotch. Leaves slightly striped.
548. Tulipa kaufmanniana 'LORD'S SUPER'('Svētvakars')

Natural hybrid between T. kaufmanniana and T. greigii from Ber-Kara gorge in Karatau mountains, Kazakhstan. Flowers of unusual metallic violet red shade of T. kaufmanniana type, leaves mottled. Flowers as the last of T. kaufmanniana, together with the earliest $T$. greigii forms. Height 35 cm .
549. Tulipa kaufmanniana 'SUNRISE'('Voshod Solnca')

Excellent variety raised by famous botanist and author of monograph about tulips Zinaida Botschantzeva. Flowers of this variety change their colour during blooming from purest white at start to pink at end. Basal blotch yellow, from large bulbs slightly striped red at edge. Height 25-30 cm.
550. Tulipa kolpakowskiana

Medium tall tulip reaching some 40 cm with deep orange, big and elegant flowers (reminding lily flowered tulips). From Chu-Ili mts. in Kazakhstan.
551. Tulipa kurdica

Flowers dark brick-red, height $10-15 \mathrm{~cm}$. Related to Tulipa humilis, possibly only a colour form of it but sufficiently distinct to keep name.

## 552. Tulipa lanata

Dazzling orange-scarlet flowers with jet-black centre, on side's bordered pale yellow and with purple pollen. Usually under this name is offered some garden hybrid. True species collected on Kugi-Tang mnt. in SW Uzbekistan.
553. Tulipa linifolia

A very good small tulip for sunny spot in rock garden, only 10 cm high with narrowly linear undulate-edged grey-green leaves and brilliant scarlet red flowers. Collected in South Tajikistan.
554. Tulipa montana 'HONKY TONK'

Excellent selection from T. montana with cool pure yellow slender flowers of T. clusiana shape forcing to think about its blood in pedigree. Especially beauty adds its long purple anthers on short filaments.

## 555. Tulipa ostrowskiana

Excellent brightest red flowers on 30 cm long stem, flower segments pointed at back turned tips, inside base black with small yellow corners. Stock comes from Zailyiskiy Ala-Tau near Talgar and is true to name what I can't tell about other stocks offered under that name by other nurseries.
556. Tulipa sogdiana

Very nice dwarf tulip species with china white flowers with lemon yellow basal blotch on 15 cm tall stem. In nature it grows in semi-desert conditions, so protection against summer rains is essential.
557. Tulipa subbiflora

Only recently I identified it as T. subbiflora described by Russian botanist Vvedenskyi. Superficially it looks similar to orythioides but stigma hasn't so long "neck". Makes several large white flowers with sharply edged bright yellow bottom blotch up to half of petals length.

## 558. Tulipa subpraestans

Close to T. praestans but easy can be identified by its sharply pointed narrower petals which in sun open wider than in its ally, colour shade is different, leaves are narrower. Forms generally only one flower on stem, rarely two. Filaments violet red. Leaves densely pubescent.

## 559. Tulipa tarda from Kashka-Su, Kirghizstan

Flowers white with large yellow centre, 5-7 from a bulb on 15 cm tall pedicels in rosette of greyish green leaves. This stock comes from Kashka-Su in Khirghizstan and has more colourful flowers.
560. Tulipa tetraphylla

As you can suggest from its name this species almost invariably has four leaves. Flowers when open are purest golden yellow with base, filaments, anthers of same colour. Only petals outside has greenish-pink shaded back. Flowers widely open in sun and outer tepals turn back forming an urn-shape.
561. Tulipa turkestanica 'DSHIZAK'

Produces 3-5 small yellow white flowers on short delicate stem. Very different from Dutch stock. Very nice and floriferous stock of this quite variable sp. which we collected on rocks near Dshizak, Nuratau mnt. range.
562. Tulipa vvedenskyi

I offer true $T$. vvedenskyi with very bright red flowers and usually undulated leaves. One of the most beautiful species, only $15-20 \mathrm{~cm}$ high and flowering medium late. Collected on Chatkal mnt. range, Uzbekistan.
563. Tulipa whitallii

Flowers mid orange, exterior tinged greenish bronze. Centre blackish, tinged with yellow. Height $25-30 \mathrm{~cm}$.
564. Tulipa wilsoniana

Flowers comparatively large for length of stem, brilliant vermilion-red with pointed tips and small blackish-blue centre. Leaves undulated. Only 15 cm high. Something similar to T. linifolia, but leaves wider, shape of flower and petals colour is different, too. Collected near Arvaz in Kopet-Dag mountains.

## TULIPA VVEDENSKYI HYBRIDS raised by me

## 565. Tulipa vvedenskyi $x$ 'AMBERLAND'(13/2)

Flowers yellow with orange flush, inside yellow with orange spotting up to the middle of petals, base glossy black with wide yellow edge; leaves very undulated, almost purple. Latest of my hybrids and one of the best!
566. Tulipa vvedenskyi x 'APRICOT PEARL' (2/2B)

At start of blooming flowers are dark lemon yellow with brown blotches at inner base edged with wide deep yellow zone but with blooming flowers turn beautifully apricot pink. Leaves grey green with wide purple stripes.
567. Tulipa vvedenskyi $x$ 'BERNADETTE'(7/4)

This beautiful flame red hybrid raised by me was named and registered by my Dutch friend Jan Pennings who named it in honour of wife of previous President of France Mme Bernadette Chirac. Makes large flowers of beautiful form with dark brown heart shaped basal blotch. Leaves mottled.
568. Tulipa vvedenskyi $\boldsymbol{x}$ 'BLOOD MARY' (7/8)

Flowers throughout bright red only on inside bottom are diffused brownish blotch edged on sides with diffused yellow zone. Anthers intensively coiling confirming kaufmanniana blood in its ancestry. Leaves with wide long purplish stripes inherited from T. greigii.
569. Tulipa vvedenskyi x 'DREAM PEARL'(12/1)

Flowers with soft pink outside narrowly edged creamy yellow. Flowers inside up to middle soft yellow turning light pink in upper half. In general flower seems apricot toned. Leaves with purple stripes.
570. Tulipa vvedenskyi $x$ 'EARTH SONG' (R-29B)

Dwarf tulip with large carmine-red flowers at base more violet shaded between wide greyish green leaves mottled with short deep purple stripes.

In this hybrid blood of T. kaufmanniana dominates. Flowers pure red widely opening in sun showing small pure yellow basal blotch with minor brown shading on outer tepals. Anthers very large, yellow.

NEW
572. Tulipa vvedenskyi $x$ 'FAIR CHANCE' (2/2-ex)

Flowers throughout bright light red with large purest yellow inner base. Leaves grey green with large purple stripes at edges. Up to 30 cm high.

## 573. Tulipa vvedenskyi x 'FINELINER'(13/3)

In overall appearance the flower seems orange but it is for very fine but dense red dots and stripes on pure yellow base colour. Inner base is small purplish brown with wide yellow edge. Leaves with very pale purple stripes.

## 574. Tulipa vvedenskyi x 'FIRST CALL'(7/11)

This is hybrid with T. greigii and inherited the brightest red colour of pollen parent and by shape it is intermediate. At flowers inside base are large deep black blotches, leaves very slightly mottled, paling with age.

## 575. Tulipa vvedenskyi $x$ 'FLASHLIGHT' (R-15)

Crossed with pollens of T. kaufmanniana and T. greigii hybrid, this seedling has brightest red flowers with small pure yellow base, leaves are very slightly purplish striped, paling with age.
576. Tulipa vvedenskyi $x$ 'GIRLFRIEND'(14/1)

Flowers start yellow with red back of petals, inner base black with red edge, but with every day the colour gradually changes to very unusual coppery orange tint of incredible beauty. Leaves much undulated, purple striped. This hybrid in FLORIADE-2002 was awarded with diploma.
577. Tulipa vvedenskyi x 'GOLDMINE'(9/1)

Flowers dark yellow, inner base black with very wide dark red edge, leaves distinctly undulated, purple striped.

## 578. Tulipa vvedenskyi x 'HARRY POTTER'(6/15)

Flowers bright orange red with yellowish shaded midrib on back of petals, inside brightest orange red with minor violet red diffused blotch at inside bottom of petals, larger on outer petals. Flowers nicely open in sun. Leaves intensively purple mottled with narrow stripes, lasting long.
579. Tulipa vvedenskyi $x$ 'JOKER'(15/3)

Flowers yellow with orange flush, inner base blackish brown with yellow edge, leaves very undulated, intensively mottled.
580. Tulipa vvedenskyi x'JOURNEYS END'(?/01)

Excellent hybrid with lost origin, but seem to be cross between T. vvedenskyi and some of garden hybrids between T. kaufmanniana and T. greigii. Flowers bright red with small yellow inner blotch, anthers very long, slightly coiling, leaves wide greyish green with light purplish stripes. Compact plant.
581. Tulipa vvedenskyi $x$ 'LADY GUNA' (1/1)

Flowers very bright red with slightly lilac tint, inner base brownish black on yellow background; leaves plain greyish-green, slightly undulated.
582. Tulipa vvedenskyi x 'LEONORA' (6/20)

Flowers nicely orange red with deep blackish brown basal blotch diffusely edged purplish red and purest golden yellow filaments and anthers. Leaves very nicely spotted and blotched purple.
583. Tulipa vvedenskyi $x$ 'LOVE DESIRE' (6/1)

Flowers huge, bright orange red with yellow feathered edge, inner base black with yellow edge, leaves nicely undulated with wide dark purple stripes. Late flowering, one of the best.
584. Tulipa vvedenskyi x 'LOVE MELODY' (8/3)

Flowers very bright soft flaming red of most beautiful "rose-button" shape and nicely purple striped, slightly undulated at edge leaves. Height $30-35 \mathrm{~cm}$.

Flowers very large very bright $T$. greigii red inherited from pollens parent, inner base very bright golden yellow with medium sized reddish brown blotches at edge. Leaves slightly striped and mottled.
586. Tulipa vvedenskyi x 'NEW OFFERING'(6/16)

Very bright hybrid with T. greigii blood in pedigree. Flowers shining red with tiny pure black basal blotch and black filaments, only anthers are yellow. Leaves with short but wide purple blotches.
587. Tulipa vvedenskyi $x$ 'OPUS ONE'(15/6)

Flowers of this hybrid are something smaller in size but with very soft brick-red colour of petals at edge feathered yellow. Basal blotch reddish brown with yellow edge on sides. Leaves plain green. $30-35 \mathrm{~cm}$ tall. Very distinct from my other hybrids. Late flowering.
588. Tulipa vvedenskyi x 'PURPLE MAGIC'(6/14)

Flowers bright red with large yellow outside base, inner base small deep brown with wide yellow edge. Leaves deep purple with few thin grey green stripes, the darkest leaves between my hybrids.
589. Tulipa vvedenskyi x 'RED DANDY' (2/11)

Very bright red flower of perfect form on strong stem not exceeding 25 cm and nicely undulated grey-green leaves brings this hybrid on show-winners bench. Basal blotch black strongly rimmed with narrow yellow line.
590. Tulipa vvedenskyi $x$ 'RED SHADOW' (2/10)

Flowers bright red with reflexed tips of flower segments. Basal blotch on inner petals brownish black, on outer petals deep yellow with reddish black blotch at top. Leaves purplish mottled.
591. Tulipa vvedenskyi x 'ROYAL RED'(7/6)

Flowers flame red at edge shaded orange with something pointed large brownish black basal blotch surrounded by deeper red. Leaves with narrow, long purple stripes more prominent at edge.

## 592. Tulipa vvedenskyi $x$ 'SHOW QUEEN‘(S-02-2/5)

Flowers very large bright red, only inner base blotches are purest yellow with brown shaded spot in middle of edge zone. Filaments and anthers pure yellow, leaves with long stripes - more purple than grey-green.
593. Tulipa vvedenskyi $x$ 'SPARKLING LIGHT' (S-02-9A)

In this hybrid T. greigii blood dominates. Flowers are of typical T. greigii shape and brightest orange red colour with pointed large black basal blotches surrounded by diffused violet red zone on inner base. Leaves mottled.
594. Tulipa vvedenskyi $x$ 'SWING'(6/11)

Flowers very large, purest bright red with large yellow rimmed brownish black centre and nicely undulated greyish green leaves, very compact habitus (up to 25 cm tall). Excellent for garden and pots.
595. Tulipa vvedenskyi $x$ 'TIME TRAVELLER'(2/12)

Flowers very bright red with nicely pointed outer petals, basal blotch small brownish black with narrow yellow rim. Leaves plain green.
596. Tulipa vvedenskyi $x$ 'VIVITTA'(9/8)

Flowers of typical T. greigii form, but leaves without distinct mottling. Anthers yellow, short, not coiling. Colour brightest red with bright yellow basal blotch on top of which are long but narrow black spot.

## 597. Tulipa vvedenskyi $x$ 'WINDFEST'(4/6)

Flowers outside bright red edged golden yellow, at opening it shows its large purplish black bottom blotch edged by bright red "cup". With flowering it pales to bright lemon yellow. Leaves greyish green distinctly purple striped. Up to 30 cm tall.

Notes

Notes

