

International Rock Gardener Index

ISSN 2053-7557

Full Index to Issues 1 -119 pages 3-82 Compiled by Glassford Sprunt

Brief Index from 120 to 131 pages 83-84

Full Index from 132 onwards page 85 onwards – Compiled by Ashley Allshire

SCOTTISH ROCK GARDEN CLUB

International Rock Gardener Index

ISSN 2053-7557

Full Index to Issues 1 -119 Compiled by Glassford Sprunt

Brief Index from 120 to 131

Full Index from 132 on – Compiled by Ashley Allshire

Grateful thanks are given to our Index makers.

Please use the search facility to be sure you access
the full information of the IRG Index.

SYMBOLS

01/ = Issue Number

/12 = Adobe Reader Page number

/12C = Colour picture

/12D = Drawing

/3P = Painting

; = Divider between Issues

, = Divider between Pages

— = Substitute for name above

/13* = Diagnoses and descriptions

The IRG – International Rock Gardener - e-magazine
is published each month on the website of the Scottish Rock Garden Club

All issues available here:

https://www.srgc.net/international_rock_gardener.asp

Cover image – *Dryas octopetala* in Canada – photo Lori Skulski

INTERNATIONAL ROCK GARDEN INDEX to 119

SYMBOLS

01/ = Issue Number
/12 = Adobe Reader Page number
/12C = Colour picture
/12D =
Drawing
/3P =
Painting
; = Divider between Issues
, = Divider between Pages
– = Substitute for name above
/13* = Diagnoses and descriptions

Aberdeen Spring : **53/1C**

Abies cilicica : **20/5**

— grandis : **69/25**

— nebrodensis : **84/17**

— sibirica : **97/3**

Acaena macrocephala : **63/2C**

Acanthocalyx delavayi : **39/8**

— sp. : **115/78C**

Acantholimon bracteatum var.

bracteatum : **46/5**

— caesareum : **12/10**

— reflexifolium : **46/5**

— saxifragiforme : **30/15C; 71/18C**

— sp. in scree : **71/29C**

— trojanum : **12/3**

— ulicinum : **02/15; 100/53C**

— venustum : **02/15; 08/13, 13C; 30/15**

Acaulimalva nubigena : **119/91C**

Acer campestre : **86/4**

— circinatum : **34/7, 7C**

— — autumn leaves : **34/7C**

— dissectum 'Ozakazuki' : **34/7**

— filicifolium : **34/7**

— ginnala : **34/7**

— griseum : **34/8**

— x mandshurica : **29/7**

— 'Ozakazuki' : **34/3C**

— palmatum atropurpureum : **34/7**

— — dissectum : **94/1C**

— platanoides : **34/7**

Aceras anthropophorum : **84/16C; 92/16C**

Achillea ambrosiaca : **75/4, 4C**

— clavennae : **57/13**

— coarctata : **75/10**

— millefolium : **02/3; 75/10**

Achlys triphylla : **58/13C, 14**

Acinos alpinus : **57/13**

Aciphylla aurea : **36/2C**

— dobsonii : **18/6, 6C**

— — & Grasshopper : **18/7C**

— scott-thomsonii : **18/3**

Aconitum episcopale : **29/8**

— hemsleyanum : **29/5, 8, 9**

— lycoctonum subsp. septentrionale :
37/23

— 'Red Wine' : **29/5, 5C, 6C, 7C**

— 'Red Wine' flower : **29/8C**

— 'Spark's variety' : **29/5**

— talassicum : **15/5, 5C**

— vilmorinianum : **29/8**

Adenocarpus decorticans : **66/5**

Adesmia filifolia : **104/19C**

— microphylla : **103/48, 49C**

— parviflora : **51/21C**

— parvifolia : **108/75C; 117/28, 30C, 37C**

sp. : **103/44C**

— viscida : **117/28, 29C**

— — habitat : **117/30C**

Adiantum aleuticum : **16/6, 6C**

— hybrid : **75/25C**

— shastense : **69/62**

— cf. smithianum : **115/79C**

Adonis davidii : **39/5**

— pyrenaica : **77/3, 3C, 4C, 7**

— vernalis : **03/18, 18C, 05/3; 09/14C; 65/22**

Aeonium arboreum : **110/71C**

— aureum : **110/73C**

— percarneum : **110/74, 74C**

— simsii : **110/72C**

Aethionema caespitosum : **04/22, 22C; 26/16C, 17, 17C**

— capitatum : **08/14; 12/13, 13C; 20/7C**

— eunomioides : **30/15, 15C**

— glaucescens : **16/11, 11C**

— grandiflorum : **12/13; 78/25C**

— oppositifolium = *Eunomia*

oppositifolia

— oppositifolium : **12/6, 6C; 20/9; 24/13C**

— pulchellum : **12/13; 78/27C**

— schistosum : **04/13, 14; 08/8, 8C; 12/13**

INTERNATIONAL ROCK GARDEN INDEX 119

- subulatum : **05/18, 18C; 23/4, 9, 10, 10C; 32/12**
- — foliage : **23/10C**
- Aethionema subulatum** = *Eunomia subulata*
- Agalinis genistifolia** : **107/43, 43C**
- Agapanthus campanulatus** : **104/52C**
- Agastache urticifolia** : **74/8**
- Aichryson villosum** : **110/52C**
- Airampoa corrugata** : **107/52, 52C**
- Ajuga chamaepitys** : **75/14C**
- — subsp. chia : **16/11**
- pyramidalis : **119/38C**
- Albuca** sp. JCA 15856 : **09/16C**
- Alchemilla alpina** : **38/6C; 78/11**
- anisiaca : **15/13C**
- conjuncta : **78/11, 12C**
- sp. : **37/21, 22**
- Aletes nuttallii** : **74/9**
- Alkanna aucheriana** : **09/13**
- cf. orientalis
- tinctoria : **89/35, 35C**
- Allium brachyscapum** : **118/21C**
- — flowers & bud : **118/20C**
- — in seed : **118/19C**
- bungei : **118/21C**
- gypsaceum : **114/19C**
- habitat : **118/19C**
- helicophyllum : **118/19C, 22C**
- kopsedorum : **118/22C**
- kurdistanicum : **118/23C**
- kurtzianum : **12/10; 19/17C**
- nigrum : **84/34C**
- parciflorum : **103/9**
- Red Giant' : **18/15C**
- roseum **81/19C; 103/9C; 110/78C**
- saralicum : **118/24C**
- — habitat : **118/24C**
- shelkovnikovii : **118/25C**
- — habitat : **118/25C**
- sphaerocephalon : **83/17C**
- subvillosum : **110/78, 78C**
- triquetrum : **98/29C; 103/8C**
- verticillatum : **114/19C**
- Allendale Hybrid List : **35/15**
- Alluvial fans : **10/8**
- Almond groves : **87/8C**
- Almond Trees : **87/2, 14C**
- Alnus glutinosa** : **86/4**
- Aloe haemanthifolia** : **80/6**
- — habitat : **80/6C**
- — leaf : **80/6C**
- vera : **110/69C**
- Aloinopsis acuta** : **110/83C**
- Bill Adams' 'Last Light' : **110/93C**
- — 'Yellow Eye.' : **110/93C**
- hybrid : **110/1, 89C**
- — ex 'High-Noon' : **110/88C**
- — multi-hued : **110/85C**
- — pastel : **110/85C**
- — salmon Pink : **110/86C**
- hybrids : **110/87C**
- spathulata : **110/84C, 89C, 97C**
- Aloinopsis/Nananthus Hybrids : **110/81-83, 91**
- Alpine Addiction : **109/2-24**
- Alpine bartsia : **21/3**
- Alpine catchfly : **78/8C**
- Alpine fleabane : **78/3**
- Alpine gentian : **78/4**
- Alpine House – Kummert style : **36/15C**
- Alpine meadow rue : **78/10**
- Alpine saw-wort : **78/10**
- Alpine saxifrage : **78/3**
- Alpine sow-thistle : **78/2C**
- Alpine woodsia : **78/7C**
- Alpine Flowers, Semp., Androsace & Dianthus : **20/11C**
- Alpines 2011 Emblem : **06/3C, 3**
- Alpines Clubs Emblems : **06/2C**
- Alpines for Beginners : **73/17**
- Alpines in Troughs : **73/17C**
- Alpines, Wisley : **17/2**
- Alpine woodsia : **78/7C**
- Alrawia bellii** : **16/15, 15C**
- Alstroemeria angustifolia** var. *velutina* : **102/46C**
- aurea : **63/2C**
- x chrysantha : **102/42C**
- citrina : **102/42C**
- crispata : **111/13C**
- garaventae : **102/42C**
- graminea : **94/15C; 104/33C**
- — fruit : **94/15C**
- isabellana : **70/2, 2C**
- aff. kingii : **102/43C**
- leporina : **111/1C, 7, 8C**
- magnifica : **94/24C**
- magnifica subsp. maxima : **09/16C**
- parvula : **113/4C**

INTERNATIONAL ROCK GARDEN INDEX 119

- patagonica : **108/63C**
- pergrina alba : **34/11**
- piperata : **102/28C, 29C, 30C, 31C, 32C, 37C, 51C; 103/41C, 42C, 56D**
- — description : **102/35**
- — diagnosis : **102/24, 35**
- — habitat : **102/26C, 27C, 36C, 50C**
- — insect damage : **102/41C**
- — Key : **102/44**
- — preliminary shoots : **102/34C**
- — root system : **102/34C**
- — seed capsules : **102/33C**
- — sp. nova : **98/42, 42C**
- — type specimen : **102/38C**
- pseudospathulata : **102/43C; 105/60, 60C, 61C**
- pulchra : **103/35C**
- — subsp. pulchra : **98/41C; 102/27C; 103/34, 34C**
- spathulata : **113/31C**
- traudliae : **102/43C**
- versicolor : **102/43C**
- violacea : **94/12C; 104/35C**
- Alyssum caespitosum** : **16/11, 11C**
- cuneifolium : **71/25**
- — var. pirinicum : **97/25, 25C**
- handelii : **75/7C**
- lepidotum : **30/16C**
- saxatile var. compactum : **75/14, 15C**
- serpyllifolium : **66/13C; 77/8C**
- Amaryllis belladonna** : **98/33C**
- Amberboa glauca** : **119/20C**
- Amelanchier alnifolia** : **69/29C**
- Amitostigma puberulum** : **55/5C**
- Ammi visnaga** : **103/45C**
- Ammophila arenaria** : **75/22**
- Amygdalus nana** : **99/33C**
- Anacamptis boryi** : **67/2**
- brancifortii : **84/20, 20C**
- cariophera : **67/2**
- collina : **67/2; 91/5C**
- elegans : **67/2**
- fragrans : **67/2; 89/34C; 91/30, 30C**
- laxiflora : **67/2; 84/32, 32C; 89/22, 22C; 91/28, 28C**
- longicornu : **84/31, 31C**
- morio : **67/2**
- — subsp. champagnieuxii : **81/27C**
- — subsp. picta : **89/37**
- palustris : **67/2**
- papilionacea : **43/8; 67/2; 84/25C; 89/24C**
- — subsp. alibertis : **67/5**
- — subsp. heroica : **67/5, 5C, 6C**
- — var. papilionacea var. 'rubra' : **89/24C**
- picta : **67/2; 84/32, 34, 34C; 89/37, 37C**
- pyramidalis : **43/2, 2C; 67/2; 75/2; 84/27C; 89/43C; 114/71C; 116/33, 33C**
- quadripunctata : **84/20**
- robusta : **67/2**
- syriaca : **91/13, 13C**
- — hypochrome fm. : **91/13C**
- strigulipetalum : **51/8, 8C**
- Anchonium elichrysofolium** : **05/18; 23/9**
- Anchusa caespitosa** : **01/13; 78/24C**
- sp. : **89/44C**
- Andean sunset : **105/58C**
- Andromeda polifolia** : **37/15**
- — habitat : **73/26**
- — 'Macrophylla' : **73/26C**
- Androsace alchemilloides** : **39/12**
- alpina : **13/3; 57/3C, 12C**
- angrenica : **109/43C**
- barbulata : **42/6C**
- — var. glabella : **05/7**
- bryomorpha : **79/2C**
- carnea : **68/12C**
- carnea subsp. brigantiaca : **04/13, 14; 57/15, 15C**
- — var. halleri : **63/20, 20C**
- — seed : **68/12C**
- chaixii : **57/15, 15C**
- chamaejasme : **39/4C**
- 'Conwy Jewel' : **109/19C**
- cylindrica x hirtella : **30/7C, 8C; 57/14C**
- dasyphylla : **04/1C, 2, 2C**
- delavayi : **04/18; 17/14; 47/17C; 59/21C**
- dissecta : **39/7**
- euryantha : **39/1C, 2C, 3, 3C, 4, 10C,**

INTERNATIONAL ROCK GARDEN INDEX 119

12C

- — Expedition : **39/7C**
- — Herbarium Sheet : **39/4C**
- fedtschenkoi : **04/14**
- globifera : **30/8C; 55/7**
- hausmannii : **13/6, 6C**
- heeri : **57/19, 19C**
- helvetica : **13/3, 4, 4C; 15/10; 57/13**
- himalaica : **13/12; 57/15, 15C**
- hirtella : **05/7**
- jacquemontii : **57/16, 16C**
- laevigata : **59/22C**
- laggeri : **77/5, 5C, 6**
- — Alba : **77/5C**
- lanuginosa : **04/13**
- lehmannii : **45/5; 55/12**
- microphylla : **13/12**
- x marpensis : **57/19, 19C**
- x 'Millstream' : **04/13**
- mollis : **13/12**
- montana : **04/23, 10/10C, 10**
- mucronifolia : **57/16, 16C**
- muscoidea : **63/20**
- — longiscapa forma alba : **79/2C**
- ovczinnikovii seedlings : **101/8C**
- primuliflora forma praetutiana : **77/20**
- primuloides : **17/4**
- rigida : **47/15**
- sarmentosa : **57/16, 16C; 59/22C**
- — forma alba : **57/17C**
- — light-coloured : **57/17C**
- — 'Salmon's variety' : **04/13**
- — var. watkinsii : **114/34C**
- sempervivoides : **13/12**
- sp. : **14/5C**
- spp. : **14/7**
- spinulifera : **13/12; 39/12**
- strigillosa : **55/16**
- studiosorum 'Doksa' : **114/34C**
- vandellii : **05/7; 15/10; 56/3C; 77/8, 8C**
- villosa : **05/3, 7; 14/6; 17/14; 20/10; 22/13; 30/9C; 35/13; 57/18, 18C; 77/7, 7C; 97/26C; 105/5C**
- — var. arachnoidea : **57/18C**
- — var. congesta : **30/7C**
- — var. glabrata : **04/23; 30/16C**
- vitaliana : **57/3C; 77/9**
- wardii : **39/10**
- wulfeniana : **57/5, 18C**
- yargongensis : **04/18**
- zambalensis : **17/14**
- — var. villosa : **17/14**
- zayulensis : **04/18**
- Anemone apennina : 107/3C; 116/40C**
- — tubers : **107/3C**
- — white : **107/3C**
- — white tubers : **107/3C**
- baldensis : **13/4; 57/13**
- banketovii : **107/16C**
- — distribution : **107/14M**
- —: **107/1C, 2, 13, 13C, 14C**
- — & A. blanda hybrid : **107/21C**
- — herbarium : **107/12C, 17C, 18C, 19C**
- — seeds : **107/15C**
- — tubers : **107/13C**
- biflora : **16/15, 15C; 33/5; 118/26C**
- blanda : **14/10C; 75/1C, 26, 26C; 92/1C, 3, 3C; 98/35C; 107/4, 4C, 5C, 6C; 114/77C**
- — 'Gunite' : **107/6C; 119/68C**
- — blanda 'Jānis' : **119/65C, 66C, 67C, 68C**
- — 'White Splendour' : **107/20C**
- — 'White Splendour' tubers : **107/20C**
- — tubers : **107/5C**
- caucasica : **107/7C; 113/56C**
- — & A. blanda hybrid : **107/22C**
- — herbarium : **107/8C**
- — tubers : **107/7C**
- coelestina : **47/19, 19C**
- coronaria : **16/15, 15C; 40/3C, 4C, 16, 16C; 90/3, 10C; 91/8C; 106/44C; 114/61C; 118/26C**
- demissa : **115/79C**
- hortensis : **90/3; 106/44C**
- — subsp. heldreichii : **106/37C**
- multifida : **111/46C**
- narcissiflora : **15/4**
- nemorosa : **27/14**
- palmata : **103/2C, 20C**
- parviflora : **04/6; 16/6**
- — var. grandiflora : **04/6, 6C**
- polycarpa : **55/12**
- protracta : **15/4, 6**
- ranunculoides : **53/7C; 73/34C; 119/32C**

INTERNATIONAL ROCK GARDEN INDEX 119

- rivularis : 55/21
- rupicola : 55/19, 20
- sp. : 39/12
- sylvestris : 65/21
- trullifolia : 115/56C
- Anemonastrum** crinitum : 97/7C
- fasciculatum : 99/32C
- Angelica** archangelica : 37/22
- An Outcrop of Sadness : 71/3
- Antennaria** alpina : 37/23, 23C
- dioica : 37/19, 23, 23C
- — Alex Duguid' : 65/13
- monocephala : 04/5, 5C
- Anteriorchis** fragrans : 114/71C
- Anthemis** cretica subsp. columnae : 75/12
- Antirrhinum** barrelieri : 87/12, 13C
- Anthyllis** aurea : 20/12C, 13, 13C
- tejedensis : 66/8C
- vulneraria : 70/17C, 24C
- — subsp. argyrophylla : 66/7, 7C
- — subsp. vulneraria var. coccinea : 04/13
- Aphyllanthes** monspeliensis 81/34
- Aquilegia** alpina : 07/7
- bertolonii : 35/13C
- borodinii : 97/7C
- caerulea : 11/12C
- flabellata nana : 98/38C
- glandulosa : 97/7C
- hybrida : 87/23C
- jonesii : 11/6, 19C, 21
- — forming seed pods : 11/6C
- ottonis subsp. amaliae : 75/2
- saximontana : 07/7, 8C
- scopulorum : 11/3
- — forma perplexans : 08/14; 11/1C, 2C, 3
- — var. scopulorum : 10/13C
- sp. : 36/8C
- Arabis** androsacea : 71/20C
- ferdinandi-coburgii : 97/26C
- purpurea : 18/20; 91/25, 25C
- Araucaria** araucana : 63/5C; 105/63C
- Araucaria** by night : 51/22C;
- Arbutus** menziesii : 69/3
- Arctostaphylos** alpina : 37/21
- sp. : 31/7
- uva-ursi : 16/8, 16/8C; 37/21; 78/15, 15C
- viscida : 83/8C
- Arctous** alpina : 22/14
- Arenaria** bertolonii : 35/13C
- densissima : 45/5
- hookeri : 105/15C, 23, 23C
- humifusa : 16/5
- spp. : 14/7; 57/8C; 105/19C
- tetraquetra : 14/6; 105/6C
- tmolea : 08/7
- Argyllia** bustillosii : 63/7C
- robusta : 63/6C
- Argyranthemum** frutescens : 110/64C
- Arisaema** bathycoleum : 39/5
- ciliatum : 115/56, 57C, 60C
- elephas : 36/3, 3C
- galeatum : 36/4
- griffithii : 36/3; 55/6
- propinquum : 29/17C; 36/3, 3C
- sp. : 36/4
- Arisaema** in the polytunnel : 109/18C
- Arisarum** vulgare : 87/10C
- Aristolochia** baetica : 87/3C
- iberica : 119/18, 18C
- rotunda : 84/14
- Armeria** alpina : 57/13
- x 'Brno' : 12/6, 7C
- caespitosa 'Bevan' : 12/6
- filicaulis : 66/14
- — subsp. trevenqueana : 66/1C
- juniperifolia 'Bevan' = A. caespitosa 'Bevan'
- juniperifolia : 65/16C, 17C
- — 'Bevan' : 12/6
- — in crevice : 71/30C
- x 'Lelekovice' : 12/6, 7C
- maritima : 38/6C; 70/1C, 7, 7C, 8C, 24C
- maritima 'Dusseldorfer Stolz' : 04/13, 13C
- — subsp. siberica : 16/6
- 'Rosi' : 12/6
- rumelica : 22/13
- sancta : 75/10C
- sp. : 82/13C
- x 'Suendermannii Rosea' : 71/14C
- trojana : 12/6, 6C
- Arnebia** densiflora : 30/1C, 12, 12C
- — closeup : 30/13C
- Arnica** lessingii subsp. lessingii : 04/3, 3C

INTERNATIONAL ROCK GARDEN INDEX 119

- Artemisia** campestris subsp. caudata :
16/6
— norvegica : 04/3
— rigida : 10/9
— tridentata : 10/8C, 8
Arum conophalloides = A. rupicola
Arum conophalloides : 20/5, 5C
— creticum : 106/34C, 42C
— idaeum : 106/40C
— megobrebi : 119/23C
— rupicola syn : 20/5
Asarina procumbens : 25/18, 20, 20P,
21, 22
— — compact form' : 25/16, 17C
— — — Seed Pods : 25/21C
— — nomenclature : 25/19
— sp. : 25/19D
Asclepias curassavica : 107/57C, 61
— fruticosa : 34/11C
— mellodora : 107/33C
Asperula arcadiensis : 30/7C
— boissieri : 04/13
— gussonii : 04/13
— sintenisii : 12/4, 4C
— — subsp. puberula : 07/9, 9C
— spp. : 14/6; 105/16C
— suberosa : 30/9C
Asphodelus albus : 87/10
Asplenium adiantum-nigrum : 75/25;
119/48C
— obovatum subsp. lanceolatum : 75/24,
25
— x jacksonii : 75/25
— x microdon : 75/24
— ruta-muraria : 13/8
— x sarniense : 75/25
— scolopendrium : 75/24, 25
— septentrionale : 04/20; 17/18, 18C;
119/8C
— trichomanes : 13/8; 65/20C
Aster alpinus : 57/10C; 114/33C
— coloradoensis : 11/20; 74/10
— scopulorum : 10/22
Asteranthera ovata : 47/6C, 6D, 8
Asteriscus maritimus : 81/9, 9C
Astilbe rivularis : 55/19
Astragalus alpinus subsp. alpinus :
37/15
— — subsp. arcticus : 37/15, 15C
— cf argillosus : 119/33C
— astro-aegeus : 89/28C
— barrii : 105/5, 5C
— bellus : 113/17C
— bungeanus : 119/7C
— frigidus : 37/15, 15C
— gilviflorus : 105/5, 6C
— hirsutus : 16/10, 10C
— hispanicus : 81/4, 4C
— idae : 12/10
— incanus : 81/4, 4C
— lineatus subsp. lineatus : 16/10, 10C
— loanus : 105/13, 13C, 24C, 25, 25C
— — pod : 105/11C
— lusitanica : 81/28, 28C
— — subsp. orientalis : 91/24C
— newberryi : 100/14C
— nivicola : 111/57, 57C
— norvegicus : 37/15
— osterhoutii : 74/9, 11C
— pelliger : 23/7, 7C
— pissisi : 103/48, 49C
— sp. : 37/21; 119/34C
— spruneri : 89/28, 28C
— stevenianus : 119/20C
— utahensis : 95/14, 14C
Astroloma foliosum : 34/16, 16C
Asyneuma compactum : 23/4, 4C, 6, 9
— filipes : 30/4C
— limonifolium : 71/13C
— rigida : 12/10
Atraphaxis spinosa : 113/79C
Aubrieta anamasica : 23/8, 9
— Bressingham Red' : 65/12
— columnae : 35/8C
— — var. croatica : 22/13
— deltoidea : 18/20
— glabrescens : 04/23; 42/5, 5C
— gracialis : 105/12C
Aurinia saxatilis : 75/14, 15C, 17
Austria - Embroidered special edition
'stamp' : 06/6C
Austrian one cent Euro coin : 06/6C
Austrian two-cent Euro coin : 06/4C
Austrocactus gracilis : 51/19C
Austrocedrus chilensis : 51/16
— sp. : 63/4C
Autumn Bounty : 34/2C
Autumn colours : 24/12C; 34/2
Autumn flowers : 34/5C
Autumn patchwork : 22/1C

INTERNATIONAL ROCK GARDEN INDEX 119

- Avocados : **110/74C**
Azalea, Lilac : **18/14C**
Azorella caespitosa : **108/77C**
— — habitat : **108/77C**
— madreporica : **108/86C, 87C;**
111/48C
— aff. madreporica : **63/4C**
— monantha : **110/22, 24C**
- Babiana odorata** : **104/53C**
Bacunculus phyllopus : **103/46C, 47**
Balbisia pedunculata : **94/10C ?**
— peduncularis : **94/10C ?**
— peduncularis habitat : **111/15C**
Barlia robertiana : **67/15, 15C; 81/22,**
22C;
91/13, 13C, 14C
Barn in an alpine meadow : **06/1C, 2C**
Bartsia alpina : **16/3; 21/3; 37/18, 19, 21**
Beauty Slope : **20/17; 117/66C**
Beauty Slope & Cyclamen : **53/20-22**
— — & Joyce Carruthers : **10/2C**
— — Report : **14/17**
Beesia calthifolia : **25/22**
Bellevalia dubia : **84/32C; 114/76, 76C**
— forniculata : **33/7**
— hyacinthoides : **114/79, 79C**
— nivalis : **91/8C**
— romana : **84/32C**
— trifoliata : **91/8C**
Bellium bellidioides : **82/17, 17C**
Bencomia caudata : **110/65, 65C, 66C**
Benthamiella graminifolia : **110/14,**
16C
— patagonica : **109/16C**
Bergenia crassifolia : **97/8C, 9C**
— purpurascens : **55/19**
Betula divaricata : **97/9C**
— glandulosa : **04/4**
— nana : **04/4; 37/18**
— — subsp. nana : **37/12, 15, 16**
— — ssp. tundrarum : **44/13**
— pendula : **34/3C**
— pubescens subsp. czerepanovii :
37/12, 12C
— — subsp. pubescens : **37/15, 21**
— pumila : **16/8, 9C**
Biarum davisii : **98/44C, 45C**
Bistorta vivipara : **37/19, 21**
Black shale stone-slide : **109/26C**
- Blackstonia perfoliata** : **81/10, 10C;**
113/29C
Bletilla striata : **98/40C**
Blumenbachia prietea : **105/1C, 43C**
Bog bean : **78/11**
Bolax glebaria : **105/21C**
- Books:
Buried Treasures : **09/18CB; 66/21**
Cactus, by Dan Torre : **93/39**
Contemporary Botanical Artists
1996.
Dr. Sherwood : **39/2**
Crocuses : **09/19, 19C**
Flowers of Crete : **67/14**
Gardener's guide to Snowdrops :
110/42-43
The Genus Androsace : **39/12**
Heucheras and Heucherellas :
21/18,
19C
High and Dry by Robert Nold :
10/2C
New Trees, Recent Introductions
to Cultivation : **07/12, 12C**
Die Orchideen von Kreta und
Karthos : **67/14**
Orchids, Crete & Dodecanese :
67/14
Portraits of Alpine Plants : **07/5**
Saxifrages: Malcolm McGregor :
21/22C
Snowdrops : **07/12, 12C**
The alpine House : **07/5**
The Caucasus and its Flowers :
07/4, 4C
Tian Shan and its Flowers : **109/46**
Tian Shan Flora : **109/41**
Travels in China : **07/17C**
Wild flowers of Crete : **67/14**
Wildflowers of the Pacific Northwest
:
09/17C
Border walk with Meconopsis : **109/24C**
Botanic Gardens :
Bangsbo Botanic Garden, Denmark :
08/9C; 13/9; 63/10
Las Palmas : **110/80C**
Montreal : **04/11, 11C, 12**
Trója, Botanical Garden :
42/22, 22C

INTERNATIONAL ROCK GARDEN INDEX 119

- View : **42/22C**
Brachysema melanopetalum : **34/16, 17C**
Braya glabella subsp. purpurascens : **44/11, 11C**
Broomrape : **21/3, 5, 5C, 6**
— sp. : **21/6C**
Bruckenthalia spiculifolia : **75/9C**
Buddleja colvilei : **55/6**
Building a miniature rock garden : **67/16-20**
Bulb Bed : **42/9C**
Bulbinella latifolia ssp. doleritica : **104/53C**
Bulb lawn, Thomas Huber's : **73/18C**
Butterfly on Orchid : **21/7C**
- Caesalpinia** angulata : **94/18C**
— gilliesii : **107/58C, 59C**
Caiochophora coronata : **113/30C**
— nivalis : **119/85C, 86C**
— pulchella : **113/25, 25C**
Caithness flagstones : **38/8C**
Cakile maritima : **70/16C**
Calceolaria cf. biflora : **18/17C**
— uniflora : **63/14C**
Calandrinia acaulis : **115/19C**
— affinis : **51/8, 8C, 24C; 105/35C, 45C; 110/9C**
— — habitat : **105/44C**
— caespitosa subsp. skottsbergii : **51/8, 8C, 21C**
— cistiflora : **110/7C**
— colchaguensis : **51/10C; 111/61, 61C; 117/25, 25C**
— graminifolia(graminea): **105/36C, 37C; 117/12, 12C**
— umbellata : **51/9, 9C; 113/70, 70C, 71C; 114/2C**
Calanthe tricarinata : **55/23**
Calceolaria brunellifolia : **113/20C**
— filicaulis : **117/26, 26C**
— — habitat : **117/22C**
— glacialis : **119/82C**
— glandulosa : **111/25C**
— lanceolata : **51/1C**
— pallida habitat : **117/11C**
— pinifolia : **113/26C**
— prichardii : **111/58C**
— sp. : **51/12C**
- teucroides : **119/77C**
— uniflora : **56/12, 12C**
— 'Walter Shrimpton' : **109/16C**
Calycera eryngioides : **103/47**
Calendar, Display of IRG 2018 : **97/2C**
Calendula arvensis : **87/6**
Calliandra chilensis : **94/10C**
Callianthemoides semiverticillata : **111/48C, 51C**
Callianthemum farreri : **08/11, 11C; 42/3, 3C**
— kernerianum : **71/14C**
— sajanense : **97/10C**
Calluna vulgaris : **13/12, 21**
Calochortus suberbus : **34/14C; 63/16C**
Caltha appendiculata : **111/50C**
— introloba : **108/65**
— palustris : **33/3C, 4**
— — himalaicus : **55/10**
— sagittata : **108/65C**
— scaposa : **02/5, 5C; 03/2**
Calycera herbacea : **110/24C**
Calylophus lavandulifolius =
Oenothera
lavandulifolia
Calylophus lavandulifolius : **10/13, 16, 16C, 20C; 117/69C; ; 119/115C**
Calypso bulbosa : **37/12; 74/5**
Camassia quamash : **69/16**
Camellias : **34/11C**
Campanula alpestris : **87/17, 17C**
— aristata : **28/8, 8C**
— bellidifolia forma rosea : **28/5, 5C, 6, 6C**
— beschamensis : **119/48C**
— betulifolia : **08/3, 4, 4C, 5, 6, 6C; 18/20; 56/16, 19, 19C, 20, 20C; 105/20C**
— — x *C. choruhensis* : **56/20C**
— biebersteiniana : **65/28**
— x 'Blithe Spirit' : **87/19, 19C**
— boissieri : **20/19**
— bornmuelleri : **08/4, 4C; 46/6**
— calcicola : **28/9, 9C**
— calaminthifolia : **30/6C**
— carpatica : **08/18, 18C**
— — 'Blue Clips' : **114/42C**
— — 'White Clips' : **114/42C**
— celsii : **04/15C**

INTERNATIONAL ROCK GARDEN INDEX 119

- chamissonis : **18/15C**
- — 'Superba' : **63/14, 14C**
- chinensis : **28/8**
- choruhensis : **08/3, 3C, 5, 14, 14C; 09/13; 56/1C, 15, 15C, 17, 17C, 18, 21C, 22C, 23C, 24C; 74/30**
- — Cultivation : **56/23**
- — Habitat : **56/18C**
- ciliata : **87/18, 18C**
- cochlearifolia : **15/12C, 17C; 22/14**
- coriacea : **46/6C; 74/28, 28C, 29C, 30C, 31C, 32, 32C, 34C**
- 'Covadonga' : **04/9**
- crenulata : **28/7, 7C**
- dasyantha : **97/10C, 12C**
- delavayi : **28/8**
- demirsoyi : **74/34**
- 'Dickson's Gold' : **65/11, 12C**
- formanekiana : **19/8C, 9, 10C; 24/9C**
- — forma albiflora : **19/9C**
- finitima : **08/5, 5C**
- glomerata : **15/6, 6C**
- hacerae : **45/18, 18C, 19, 19C**
- hakkiarica : **46/6**
- hawkinsiana : **09/13; 75/14C, 17C**
- hierapetrae : **106/43C**
- hohenackeri : **119/50C**
- hybrid : **08/5, 5C; 87/18, 18C**
- karakuschensis : **46/6**
- kipricznikovii : **08/5; 56/19C**
- lasiocarpa : **04/4C, 5**
- 'Lynchmere' : **65/12C**
- morettiana : **13/4, 5; 17/1C, 14, 14C; 20/2, 2C, 3C, 4C; 25/14, 14C**
- — forma alba : **20/14**
- oreadum : **75/7C**
- pallida : **28/8, 8C**
- 'Paul Furse' : **09/4C**
- piperi : **18/21C**
- portenschlagiana : **82/19, 19C**
- pulla : **28/7**
- pusilla : **08/18**
- raineri : **04/10, 10C; 08/16; 115/84C**
- — forma alba : **08/16C**
- 'Rick Lupp' : **04/10, 10C**
- rotundifolia : **16/6, 6C**
- rupicola : **30/5C**
- saxifraga : **119/3C**
- seraglio : **08/5; 56/19**
- sosnowskyi : **87/17**
- sp. : **08/18C; 21/5C**
- sp. in crevice : **35/3C**
- cf. spec. : **28/8C**
- teucroides : **08/6, 6C, 7**
- thyrsoides : **56/5C**
- 'Timsbury Chimes' : **04/9, 9C**
- tridentata : **18/17C; 28/5; 87/18, 18C**
- troegerae : **05/12; 08/3C, 5; 09/13; 18/20; 56/16C, 24C; 87/16, 16C**
- tymphaea : **75/21, 21C**
- versicolor : **18/20**
- zoyisii : **14/6; 22/3; 88/27C**
- Campsis radicans : 98/24C**
- Campylanthus salsoloides : 110/63C**
- Canarina canariensis : 110/50, 50C**
- Cancrinia tianshanica : 109/43C**
- Candelabra Primulas : 109/1C**
- Canna sp. : 98/27C**
- Canyons :
 - Abiskojákka : **37/20C**
 - Bryce : **10/13**
 - Red : **10/13C**
- Capparis chilensis : 94/12C**
- Carbonatite, Spanish River : 14/4**
- Cardamine carnosa : 75/3, 3C**
- kitaibelii : **13/9**
- quinquefolia : **119/26C**
- Cardiocrinum giganteum : 55/22**
- Carduncellus pinnatus : 09/11, 11C**
- rhaponticoides : **34/13C**
- Carduus carlinoides : 56/3C**
- Carlina acanthifolia : 75/21C**
- Carrara marble : 35/10**
- Cartoon : 60/2B**
- Cascade gutter compost : 82/3**
- — construction : **82/3, 3C**
- — filling : **82/4C**
- — flagstone filling : **82/9C**
- — gutter : **82/2, 2C**
- — preparations : **82/7, 7C**
- — pipes : **82/6C**
- — planting : **82/5C**
- — roof : **82/6C**
- — supports : **82/8C**
- Cassiope 'Beatrice Lilley' : 79/10C**
- Cassiope fastigiata : 55/8**
- hypnoides : **37/17, 17C, 18**
- lycopodioides 'Gracilis' : **109/21C**
- 'Muirhead' : **73/27C**

INTERNATIONAL ROCK GARDEN INDEX 119

- tetragona subsp. tetragona : 44/10, 10C
- Castilleja** chromosa : 10/22; 100/40C
- flava : 114/47C
- latifolia : 114/47, 47C, 48C
- miniata : 21/4C
- oresbia : 114/49C
- sp. : 21/3
- Catabanche** caerulea : 81/10, 10C; 81/10, 10C
- Ceanothus** 'Gloire de Versailles' : 34/6
- Cedrus** brevifolia : 91/11, 12C
- libani : 20/19
- Celmisia** angustifolia : 18/4
- — in habitat : 18/4C
- gracilentata : 73/33C
- incana : 73/33C
- ramulosa : 18/7, 7C
- sp. : 73/32C
- Celmisia** spectabilis : 07/17C
- Celtis** sp. : 119/13C
- Centaurea** athoa : 12/6, 7C
- Centaurea** adjarica : 119/41C
- biokovensisa : 105/21C, 22C
- cheiranthifolia : 56/6C
- clementei : 114/44, 44C, 45C
- glauca : 119/20C
- jaennensis : 81/32, 32C
- montis-barlae : 35/12, 12C
- odyssei : 12/3, 3C
- parilica : 20/10, 10C
- pestalozzae : 12/7
- pindicola : 04/13; 75/4, 4C
- triumfetii : 03/11
- Centaurium** erythraea : 38/3, 3C
- scilloides : 65/11, 11C
- Cephalanthera** damasonium : 119/18C
- longifolia : 103/17C, 18C
- Cerastium** beeringianum subsp. terrae-novae : 16/5C
- latifolium : 57/8C
- purpurascens : 23/8
- tomentosum : 98/38C
- uniflorum : 15/19C
- Ceratostigma** willmottiana : 98/33C
- Cercidiphyllum** japonicum : 34/7
- Ceterach** officinarum : 81/36; 117/65C
- Chaenorhinum** grandiflorum : 81/36
- rubrifolium : 81/36
- Chaerophyllum** hirsutum 'Roseum' : 33/4C, 5
- Chaetanthera** villosa : 63/3C, 6C
- Chagas Disease : 94/5
- Chamaecytisus** absinthioides : 78/27C
- — var. pirinicus : 93/37C
- demissus : 93/36
- gueneri : 12/6, 8, 8C; 93/37, 37C
- hirsutus subsp. polytrichus : 93/36, 36C, 37
- pygmaeus : 12/8, 8C; 93/37
- Chamaespartium** undulatum : 66/7C
- Chamelum** frigidum : 117/32
- rubellum : 117/33
- Chamorchis** alpina : 37/12
- Cheilanthes** feei : 17/17, 18, 18C
- gracillima : 17/16, 17, 17C
- Chelidonium** majus : 68/3
- — flower : 68/10C
- — leaf : 68/10C
- — leaf peduncle : 68/11C
- Chenoleoides** tomentosa : 110/58C, 59, 59C
- Chilean Flowering Desert : 94/2-27
- Chilean Garden : 98/16-46
- Chinese rice mill : 08/16C
- Chinese Tea Wheels' : 115/55C
- Chionocharis** hookeri : 01/3-4, 3C, 4C; 05/4
- Chionohebe** pulvinaris : 73/24, 24C
- thomsonii : 18/6, 6C
- Chipping & Twin-scaling bulbs : 118/3-18
- Chirita** monantha : 47/12C
- Chloraea** alpina : 117/13C
- cylindrostachya : 51/23C
- Chorispora** bungeana : 15/4, 4C
- Chrysanthemum** alpinum : 04/6
- Chrysoplenium** davidianum : 33/3C, 4
- dubium : 119/58C
- species : 47/16C
- tetrandum : 44/10
- Cicerbita** alpina : 37/23; 78/2, 2C
- Cirsium** eriophoroides : 55/16
- heterophyllum : 78/15, 18C
- spinosissimum : 56/4, 4C
- Cistanthe** cachinalensis : 111/38C
- crassifolia : 111/37P
- floresiorum : 111/25C, 27C, 28C, 29C

INTERNATIONAL ROCK GARDEN INDEX 119

- cyme : **111/30C**
- diagnosis : **111/26**
- habitat : **111/28C**
- . Inflorescence : **111/31C**
- grandiflora : **111/33-34, 34C, 39C**
- white : **111/40C**
- aff. longiscapa : **111/36C**
- longiscapa : **94/19C, 20C; 104/6C; 111/3C, 35C**
- sp. : **111/3, 40C, 41C**
- Cistanche** phelypaea : **81/35, 35C**
- Cistus** albidus : **81/14, 14C, 28, 29C**
- clusii, habitat : **66/3C**
- ladanifer : **81/29, 29C**
- laurifolius : **23/3C**
- ponticus : **119/42C**
- salvifolius : **81/13C, 14, 14C**
- — with Honeybee : **81/13C**
- sp. : **66/11C**
- Citinus** hypocistis : **89/30, 30C, 31C**
- Claytonia** lanceolata : **28/11, 11C; 74/6**
- megarhiza : **10/12; 11/17C; 114/53C**
- — var nivalis : **114/55C**
- — portrait : **114/50-54**
- Paddy-Go-Easy Pass : **114/50C, 51C, 54C**
- Clematis** alpina : **21/3**
- — subsp. sibirica : **97/10C**
- chrysocoma : **115/78C**
- cirrhosa : **87/9C; 106/37C**
- flammula : **98/27C; 107/36C**
- hirsutissima : **74/8, 8C**
- integrifolia : **05/3**
- jackmanii 'Superba' : **98/24C**
- marmoraria : **05/8, 8C**
- montana tongluensis : **55/7**
- montividensis : **107/36C; 115/23C**
- tenuiloba : **11/7, 7C, 9, 9C**
- x durandii : **08/18, 18C**
- Clerodendron** bungei : **107/60C**
- Clintonia** andrewsiana : **31/9, 9C**
- uniflora : **28/11, 11C**
- Cloudberry : **78/10, 11C**
- Clubs & Societies:
 - Calgary Rock & Alpine Garden Society : **08/22**
 - Flemish Rock Garden Club : **08/21, 21C**
 - French Alpine Society, SAJA & Emblem : **07/7**
 - Iris Societies : **31/18**
 - New Zealand Alpine Garden Society : **07/17**
 - Emblem : **07/17C**
 - North American Rock Garden Society
 - Badge : **07/8C**
 - Prague Rock Garden Club : **18/12; 64/37, 38C**
 - Scottish Rock Garden Club : **06/12**
- Cochlearia** danica : **70/12, 12C**
- officinalis : **70/11C, 12C**
- Codonopsis** clematidea : **34/4**
- convolvulacae : **34/4**
- sp. : **34/4C**
- vincaeflora : **34/4**
- Coin, Pitcher Plant: **16/4C, 8C**
- Coin, 2€, Europa & Zeus : **19/2C**
- Colchicum** habitat : **118/19C**
- Colchicum sharing space with Hostas : **22/18C**
- Colchicums in the sun : **22/17C**
- Colchicum** agrippinum : **22/20C, 21**
- — foliage : **53/9C**
- atticum : **12/12, 12C**
- autumnale 'Alboplenum' : **22/18C**
- — album : **22/19, 21**
- — 'Atropurpureum' : **22/21**
- 'Barr's hybrids' : **34/3**
- bivonae : **26/10, 11C**
- boissieri : **12/10**
- bowlesianum : **22/20**
- burtii : **76/32**
- byzantinum : **22/21C**
- — album : **22/21C**
- — album 'Innocence' : **22/21**
- x byzantinum : **22/21**
- cilicicum : **22/19**
- cupanii : **26/10C; 92/3, 3C, 4C**
- 'Dick Trotter' : **24/11C**
- kesselringii : **101/23C**
- kotschyi : **46/9, 9C**
- 'Lilac Wonder' : **22/20C**
- macrophyllum : **64/35**
- montanum : **22/17C; 57/22C**
- 'Nancy Lindsay' : **22/20**
- parlatoris : **26/10C**
- pusillum : **90/3**
- raddeanum : **118/27C**

INTERNATIONAL ROCK GARDEN INDEX 119

- habitat : **118/27C**
- robustum : **118/28C**
- 'Ruby Giant' : **22/20**
- sfikasianum : **92/4C, 5, 5C**
- speciosum : **14/10; 22/20**
- speciosum 'Atrorubens' : **22/21, 21C; 117/64C**
- speciosum bornmuelleri : **22/20**
- speciosum giganteum : **22/20**
- szowitsii : **12/11, 11C; 118/28C, 29C**
- habitat : **118/28C**
- tenorei : **22/19**
- Colchicum tenorei = C. cilicicum
- trigynum : **118/65C**
- triphyllum : **81/34C; 118/32C**
- variegatum : **22/20C, 21**
- 'Violet Queen' : **22/20C**
- 'Waterlily' : **22/18C, 20; 34/3, 4**
- 'Wine Cup' : **21/2C**
- woronowii : **119/47C**
- Cold Houses under snow : **23/19C**

- Colignonia glomerata : 107/43C, 44C**
- Collomia debilis : 10/12; 105/11C**
- var. larsenii : **11/6**
- Colobanthus lycopodoides : 51/24C**
- Commelina erecta forma hamipila : 107/36C, 37C**
- Commelina tuberosa : 119/93C, 94C**
- Compost for troughs : 14/4**
- Conandron ramondioides : 47/2**
- ramondioides-7 : **47/4D**
- Conanthera trimaculata : 103/49C**
- urceolata : **94/24C**
- Convolvulus arvensis : 04/11; 30/3**
- assyricus : **16/10, 10C; 17/19**
- boissieri : **20/11; 28/10C; 66/8C, 9C; 94/34C**
- subsp. boissieri : **03/4C**
- subsp. compactus : **03/3, 3C, 4C, 5**
- var. suendermannii : **03/4C, 6, 6C; 105/17C**
- chilensis : **111/9, 10C**
- compactus : **03/5, 5C; 16/11; 23/3, 3C, 12**
- Tap root : **03/5C**
- aff. elegantissimus : **106/36C**
- nitidus : **03/4; 20/11**
- phrygius : **03/6, 6C; 71/12, 12C; 117/67C**
- Convolvulus** sp. : **119/42C**
- suendermannii : **20/11, 11C;**
- Coptidium lapponicum : 44/13C**
- x spitsbergense : **44/13C**
- Corallodiscus flabellatus : 27/10**
- kingianus : **28/9**
- lanuginosus : **47/2**
- lanuginosus-6 : **47/4D**
- sp. : **55/24, 24C**
- Corallorhiza** sp. : **74/5C**
- trifida : **37/12, 19**
- Cordia decandra : 94/22; 111/12C**
- Coreopsis** sp. : **83/24C, 30C**
- Coris monspeliensis : 66/4C**
- Cornus canadensis : 06/19, 19C**
- kousa : **08/20C**
- mas : **03/17; 13/20**
- nuttallii : **69/62C**
- suecica : **16/3; 78/10, 10C**
- Cortusa matthioli** subsp. altaica : **97/10C**
- turkestanica : **56/14**
- Corybas elegans : 55/22, 22C**
- Corydalis ainae : 109/30C**
- ambigua : **65/24**
- benecincta : **47/15, 15C; 115/75C**
- 'Beth Evans' : **38/11, 12**
- bracteata : **97/3, 10C**
- buschii : **65/24**
- calcicola : **115/75C**
- calliantha : **55/9**
- cachmiriana : **56/10C**
- caucasica : **65/26; 107/9, 10C, 11C**
- tubers : **107/11C**
- cava : **119/7C**
- chionophila : **108/8C**
- cf. conspersa : **115/72C**
- 'Craigton Blue' : **53/10C**
- 'Craigton Red' : **38/17C**
- cf. curviflora : **115/76C**
- densispica : **45/16, 17C**
- ecristata : **55/12**
- erdelii : **20/8**
- cf. eugeniae : **115/78C**
- flaccida : **55/19**
- flexuosa : **53/10C; 65/24**
- 'George Baker' : **38/11, 12**

INTERNATIONAL ROCK GARDEN INDEX 119

- hamata : **03/1C, 2, 2C, 3; 101/23C; 115/73C, 74C**
- haussknechtii : **108/37C**
- hemicentra : **115/77C**
- integra : **40/13, 13C**
- 'Kingfisher' : **65/6C, 12, 17C**
- kokiana : **45/16, 17C; 115/76C**
- malkensis : **38/17; 53/4C, 5C**
- marshalliana : **65/26; 119/7C**
- meifolia : **55/11, 20**
- melanochlora : **115/77C**
- ochroleuca : **17/4**
- pachycentra : **30/7, 11, 11C; 45/16, 17C; 47/17C; 115/70, 70C, 71C**
- pauciflora : **04/6, 6C**
- remota : **65/24**
- rutifolia : **20/8**
- solida : **38/11, 11C; 53/5C, 7C, 9C; 73/21, 21C; 116/41C**
- — 'Firebird' : **114/30C**
- — mixed : **38/13C, 15C, 16C**
- — mixed planting : **38/18C**
- — Penza Forms : **38/13, 13C**
- — white form : **38/18C**
- sp. : **115/73C, 74C, 76C**
- Spring Display : **38/1C**
- turtschaninovii : **65/24**
- verticillaris : **89/17C**
- — ssp. boissieri : **108/36, 37C; 118/29C**
- — ssp. parviflora : **118/29C**
- wendelboi : **40/6, 6C**
- Corylus avellana : 119/40C**
- Cosmosatyrus chilensis : 103/48, 48C**
- Cover – Frivolous 100th : **100/1C**
- Creators of Spiegel Garden : **17/10C**
- Cremanthodium arnicoides : 56/7, 7C**
- reniforme : **55/20**
- thomsonii : **55/20**
- Crepis incana : 114/1C, 41C**
- rubra : **114/61C**
- Crevice bed : **82/16C, 17C**
- — plantings : **82/16**
- Crevice bed with Eriogonums : **11/22C**
- Crevice beds in winter, Raised : **54/9C**
- Crevice Gardening : **02/C6, 7C; 08/12C; 11/19C, 20C; 12/14-15, 14C; 13/9C, 12C, 13C, 14C**
- Crevice garden : **82/14, 14C; 114/26C, 28C, 29C**
- Crevice Garden Construction : **17/7C; 82/15, 15C; 86/17C, 18C**
- — development : **14/11C**
- — chart : **14/12C**
- — build : **86/17C, 18C**
- — Initial Plantings : **17/9C**
- — Irish : **14/11**
- — plants : **18/19 – 21; 82/13**
- — wall : **30/2C**
- — Wisley, Site of : **17/6C**
- Crevice Gardens
 - Bangsbo Botanical Gardens : **63/10**
 - Brejník, Martin - Crevice Garden : **41/16C**
 - Diviš, Petr - Crevice Gardens : **41/8C**
 - High Crevice Garden : **87/25C**
 - Small crevice garden : **65/2 – 18, 2 - 18C**
 - Spriggs, Paul - Crevice Garden : **50/11, 11C, 12C, 13, 13C**
- Crevice Gardens : **77/24C, 25C**
- Crevice plantings : **77/18C, 19C, 20C, 21C**
- Crevice Planting of Trough : **79/19C**
- Troughs : **79/8C**
- Crinum bulbispermum : 34/14C**
- Cristaria cyanea : 104/8C**
- dissecta : **94/22C**
- Crocidium multicaule : 69/5**
- Crocus- checking flower details : **90/15C**
- Crocus corms in a garden centre : **44/14C**
- Crocus in Armenia : **52/30C, 31C**
- Crocus KPPZ 90-209 : 102/16C**
- KPPZ 90-223 : **102/16C**
- Crocus abantensis : 64/21**
- — subsp. abantensis : **52/25**
- abracteolus : **61/6**
- adamii : **61/2, 5, 6, 9, 11**
- — aff. : **61/7C, 8C, 12C; 118/32C**
- — CMGG-021 : **61/10C**
- — corms and corm tunics : **61/12C**
- — leaf section : **61/6C**
- adamioides : **61/6**
- akdagensis 12TU-021 : **99/11C**

INTERNATIONAL ROCK GARDEN INDEX 119

- alatavicus : **01/12; 36/17C; 61/3; 73/3**
- alexandri : **64/31C**
- — MO-9528 : **64/31C**
- almehensis : **52/2; 61/4C, 5, 8, 8C**
- ancyrensis : **73/3**
- — herbarium : **76/20C**
- antalyensioides : **64/2, 4, 4C**
- — Alba : **64/5C**
- — TULA-024 : **64/7**
- — TULA-024 habitat : **64/7C**
- — TULA-024 -04 : **64/6*, 6C**
- antalyensis : **64/2, 3C, 8; 73/7**
- — Alba : **64/5**
- — subsp. gemicii : **64/7**
- — subsp. nova : **64/9***
- — subsp. nova JATU-077 : **64/8C, 64/9C**
- — subsp. nova RUDA-006C
- — subsp. striatus : **64/3, 7**
- — subsp. typica 14TUS-009 : **64/3C**
- archibaldiorum : **52/28; 61/4, 4C; 76/18, 18C, 21**
- — WHIR-129 : **52/24C**
- armeniensis : **76/27, 27C**
- — corm and opening bud : **76/25C**
- — Goris' : **76/25C**
- — habitat : **76/16C**
- — species nova, diagnosis : **76/25-26**
- — aff. vahagni : **76/27C**
- asumaniae : **64/11**
- athous : **59/4, 8, 8C, 12**
- — details : **59/13C, 14**
- — habitat : **59/13C**
- autranii : **61/3, 3C; 108/24, 24C**
- autranii & gilanicus hybrid : **108/25C**
- balansae : **40/16, 16C; 90/21, 22C**
- — habitat : **40/16C**
- baytopiorum : **76/33**
- beydaglarensis : **40/4**
- bifloriformis : **64/30C, 31**
- — corm : **40/15C**
- — habitat : **40/15C**
- biflorus : **12/10; 59/6; 64/2C, 3C, 30, 30C, 32**
- — aggregate : **61/2**
- — subsp. biflorus : **36/16C; 64/30**
- — subsp. crewei : **76/32**
- — — anthers : **95/20C**
- — — in habitat : **64/32C**
- — — subsp. melantherus : **92/6, 6C**
- — — subsp. nubigena : **36/16C; 64/30**
- — — anthers : **95/20C**
- — sensu : **73/3**
- bolensis : **52/28, 29C**
- — white form : **52/29C**
- boryi : **26/9, 9C; 106/45C**
- brachyfilus : **52/24; 76/20**
- brickellii : **52/1C, 2, 7C, 8C**
- — corm : **52/8C**
- — Diagnosis : **52/7**
- — habitat : **52/7C**
- — leaf cross-section : **52/8C**
- — white form : **52/29C**
- cancellatus : **61/2; 76/38; 92/7C, 8, 8C**
- — subsp. lycius : **64/15C**
- — subsp. mazziaricus : **64/18**
- — subsp. pamphylicus : **64/15**
- candidus : **40/12C**
- — corm : **40/12C**
- — habitat : **40/13C**
- cappadocicus : **108/33**
- — corms : **108/32C**
- — JRRK-090 : **108/32C**
- — RRK-090 : **108/33C**
- — LST-364 : **108/33C**
- carpetanus : **73/3, 3C, 9, 12, 13C; 99/19C**
- carpetanus : **73/8M**
- — corms : **73/7C**
- — habitat : **73/8C**
- — in cultivation : **73/9C**
- cartwrightianus : **92/8, 8C**
- caspius : **61/3**
- — PF5035 : **61/3C**
- chrysanthus : **40/3, 3C, 6C; 52/2, 7, 9, 10, 11, 13, 16; 59/10**
- — albino : **40/1C, 6C**
- — corm : **40/3C**
- — — 13GRS-012 : **52/10C**
- — — 13MCY-056 : **52/11C**
- — Falakro : **52/10C**
- — Galičica : **52/10C**
- — habitat : **52/9C**
- — subsp. kesercioglui : **52/15**
- — leaf : **52/10C**
- — leaf cross-section : **52/10C**

INTERNATIONAL ROCK GARDEN INDEX 119

- — 'Sunspot' : **76/32**
- — tunics ex Galičica : **52/12C**
- concinnus : **99/14**
- — JATU-064 : **99/14C**
- crewei 'Hot Chocolate' : **76/33C**
- — TULA-011 : **76/33C**
- dalmatica : **07/5C**
- damascenus : **61/2, 2C; 64/17**
- danfordiae : **40/3; 52/2**
- — complex : **52/4**
- — subsp. kurdistanicus : **52/3; 61/5**
- demirzianus : **40/2, 12**
- — anthers : **95/20C**
- — corm : **40/15C**
- dilekyarensis : **64/2, 18, 20***
- — R2CV-018 : **64/20C**
- — R2CV-018 - herbarium : **64/19C**
- duncanii : **90/14; 99/19C**
- elegans : **52/26, 26C, 28, 29C; ; 76/20**
- — corm : **52/26C**
- fauseri : **40/2**
- flavus : **92/6C**
- — subsp. atticus : **76/39**
- — subsp. dissectus : **40/7, 8, 8C, 9, 9C**
- — subsp. flavus : **40/15C**
- — — corm : **40/15C**
- flower data sheet : **99/6**
- gargaricus : **12/10**
- geghartii : **61/2, 6, 7C, 24**
- — leaf section : **61/6C**
- gembosii : **76/29C, 30C**
- — habitat : **76/30C**
- — herbarium : **76/28C**
- — hybrids : **76/31C**
- — species nova, diagnosis : **76/29**
- georgii : **76/41, 42, 42C**
- — species nova, diagnosis : **76/40-41**
- — habitat : **76/39C**
- gilanicus : **09/16C; 61/3, 3C; 108/25**
- — 16IRS-056 : **108/26C**
- — 16IRS-075 : **108/26C**
- gilanicus & autranii hybrid : **108/26C, 27C**
- gunae : **61/1C, 2, 13C, 14; 99/20, 20C; 118/30, 30C**
- — corm : **61/17C**
- — corm tunics : **61/15C**
- — in habitat : **61/16C, 17C; 118/31C**
- — leaf section : **61/15C**
- — seeds : **61/15C**
- hadriaticus : **26/7, 7C**
- hakkariensis : **108/35**
- — corms : **108/38C**
- — 18IRS-061 : **108/39C**
- harveyi : **90/16, 19C, 20C; 95/18**
- — details : **90/20C**
- — diagnosis : **90/18**
- — habitat : **90/17C, 19C, 20C**
- hatayensis : **108/20, 46C, 47C**
- — basal plate : **108/53C**
- — cataphylls : **108/53C**
- — corm : **108/49sC**
- — diagnosis : **108/35, 49**
- — herbarium : **108/48C**
- — leaf cross-section : **108/53C**
- — RUDA-117 : **108/45C**
- haussknechtii : **61/2**
- heilbronniorum : **90/14**
- hellenicus : **52/28, 29C; 59/4, 14C**
- henrikii : **52/2, 21, 21C, 22C, 23C**
- — corm : **52/21C**
- — Diagnosis : **52/22**
- — 'Gündoğmus Bronze' : **52/21**
- — leaf cross-section : **52/21C**
- herbertii : **40/5C**
- — albino : **40/5C**
- hittiticus 'Jim' : **09/23C**
- ibrahimii : **52/25C, 27C, 28**
- incognitus : **64/27**
- inghamii : **89/1C, 2C, 11C, 13C, 14C; 99/2, 2C; 118/33, 33C, 63C**
- — basal rings enlarged : **89/16**
- — corm : **89/15C**
- — diagnosis : **89/11**
- — habitat : **89/18C**
- — location : **89/4M**
- — Rukšāns : **89/3**
- — tunic : **89/24C**
- — variations : **89/15C**
- iranicus : **61/2, 23, 24, 25, 22C, 25C, 26C; 64/27; 99/16C, 17**
- — basal rings and corm tunics : **61/24C**
- — dissected flower : **61/23C**
- — leaf section : **61/23C**
- isauricus : **61/8**

INTERNATIONAL ROCK GARDEN INDEX 119

- karduchorum : **108/34, 34C, 35C**
- katrancensis JATU-057 : **99/10C**
- kofudagensis : **64/2, 13-14***
- — corm : **64/13C**
- — habitat : **64/13C**
- — JJJ-024 : **64/1C**
- — JP 88-58 : **64/14C**
- — species nova JJJ-024 : **64/13C**
- korolkowii : **01/12; 61/3**
- — hybrid : **01/12**
- kotschyanus : **108/43C, 44C**
- — sensu lato : **108/42**
- kotschyanus JJJ-003 : **108/40C**
- kotschyanus JJJ-007 : **108/41C**
- kurdistanicus : **52/2, 3C; 61/5C**
- x gothenburgensis 'Tricolor' : **16/18, 18C**
- laevigatus : **59/14; 76/18, 18C; 99/7**
- — flowers : **99/8C**
- — 'Fontenayi' : **65/14C**
- — subsp. pumilus : **59/4**
- lazicus : **108/22C**
- lydius : **40/4; 64/2, 15, 15C, 16, 27**
- — JATU-054 : **64/16C**
- — LST-418 : **64/15C**
- macedonicus : **59/4, 14; 64/11**
- — forms : **59/5C**
- mathewi : **09/3C; 64/12, 12C**
- mawii : **76/19C, 31, 32; 99/13, 14C**
- — albino : **99/15C**
- — habitat : **99/12**
- — JATU-063 : **99/13C**
- mazziaricus : **59/10; 64/18; 74/14-16, 17C; 76/38, 39**
- — corms : **64/18C; 74/14-16C**
- — flowers : **74/14-16C**
- ochroleucus : **108/42, 53C, 54C**
- ochroleucus 'Dalton White' : **108/54C**
- pulchricolor SABS-1135 : **64/22C**
- — in habitat : **64/18C; 74/18C**
- — herbarium sheet : **74/19C**
- — s.l. : **74/21C**
- — s.l. corm : **74/20C, 22C, 24C, 25C, 26C**
- — s.l. flower : **74/20C, 23C, 27C, 26C, 24C, 25C**
- melantherus : **76/32**
- michelsonii : **01/12, 12C; 61/3, 4, 4C**
- minimus 'Bavella' : **21/2C**
- minutus : **52/2, 4, 4C, 5C, 6**
- — flower, split : **52/6C**
- mouradii : **64/7, 26, 26C**
- muglaensis : **52/2, 13C, 14**
- — Diagnosis : **52/14**
- — R2CV-027 : **52/14C, 15C**
- multicostatus : **64/27**
- munzurensis : **102/13, 15C**
- — aff. KPPZ-90-186 : **102/15C**
- — aff. KPPZ-90-186A : **102/15C**
- — HKEP-9911 : **102/13C, 14C**
- — SASA-211 : **102/16C**
- mysius : **40/3**
- — corm : **40/3C**
- neapolitanus : **75/19**
- neglectus : **75/19**
- nevadensis : **81/34, 34C, 36, 37C**
- niveus JCA5312 : **09/16C**
- nubigena : **40/15, 15C; 64/33, 33C; 90/19C, 95/18; 95/20C, 27, 27C**
- — corm : **95/25C**
- — — tunics : **95/19C**
- — herbarium : **95/18C, 19C; 95/21C**
- — JP-86 : **95/23C**
- — JP-86-4 : **95/26C**
- — JP-86-9 : **95/24C, 25C**
- — JP-86-9 flower detail : **95/26C**
- nudiflorus : **92/31C**
- olivieri : **59/10C; 92/6, 6C**
- osmanii : **76/36, 36C**
- — corms : **76/37C**
- — — species nova, diagnosis : **76/37-38**
- pallasii : **40/3, 15; 61/2; 64/11**
- — corm : **40/9C**
- pamphylicus : **64/2, 15, 17, 17C**
- polyanthus : **76/26C**
- — habitat : **76/26C**
- pulchellus : **09/19; 12/10; 40/8; 59/10; 95/26**
- — corm : **40/10C**
- — habitat : **40/13C**
- pumilus : **59/4, 14C, 15C; 76/18, 18C; 99/7**
- — flowers : **99/8C**
- puringiorum : **76/21, 21C, 22C**
- — albus : **76/23C**

INTERNATIONAL ROCK GARDEN INDEX 119

- — species nova, diagnosis : **76/22-23**
- — corms : **76/23C**
- — herbarium : **76/24C**
- reinhardii & inghamii Table : **89/8 – 9**
- reinhardii : **61/2, 5C, 19, 20C, 21C; 76/17, 17C; : 89/3, 5C, 6C, 7; 99/2, 2C**
- — 16IRS-049 : **89/5C**
- — basal ring & tunic : **61/17C**
- — capsules & seeds : **61/19C**
- — herbarium sheet : **61/18C**
- — leaf section : **61/19C**
- — Location : **89/5M**
- — tunic : **89/6C**
- — WHIR-120 : **89/5C**
- rhodensis : **64/2, 33, 34-35*, 34C, 35C; 76/17, 17C; 90/2; 99/3, 3C, 7, 7C, 11C**
- — herbarium : **99/5C**
- roseviolaceus : **76/17, 17C**
- ruksansii : **90/5, 6C; 95/18**
- — diagnosis : **90/7**
- — habitat : **90/3C**
- — sp.n., holotypeC
- — flower details : **90/6C**
- — tunics : **90/9C**
- sakaltutanensis : **102/14**
- sakariensis : **52/28**
- sativus : **92/17C, 18C, 23C, 26C, 29C, 30C**
- — corm : **92/24C**
- — print : **92/20C**
- scardicus : **09/12, 13C; 16/17, 17C**
- scharojanii : **09/19, 19C; 44/14C, 15, 17, 17C, 19C, 20, 20C; 108/21C, 22C**
- — corms : **44/15C**
- — flavus : **44/17, 17C, 18, 18C; 108/22C**
- — subsp. lazicus : **44/20C**
- — tepals : **44/15C**
- schneideri : **61/24; 64/27**
- seedlings : **14/10C**
- seisumsiana : **90/16, 21C, 23C, 24C, 25, 27C, 28C; 95/18, 22C, 23C**
- — albino form : **90/27C**
- — corms : **90/25C**
- — — basal rings : **95/22C**
- — details : **90/25C**
- — diagnosis : **90/26**
- — habitat : **90/21, 22C**
- sieberi subsp. sieberi : **106/41, 41C; 114/81C**
- — subsp. sublimis : **114/81C**
- simavensis : **40/3, 10; 64/27C**
- — basal rings : **64/27C**
- sozenii : **64/2, 28*, 28C**
- — corm tunics : **64/27C**
- — herbarium : **64/29C**
- sp. nova : **40/10C; 99/19C**
- species?, How to characterize a : **99/2**
- speciosus : **09/19, 19C, 20, 22; 34/4C; 61/3, 4; 76/20; 90/13C**
- — 'Blue Web' : **09/21, 21C**
- — 'Cloudy Sky' : **09/21, 21C**
- — 'Goris' : **09/21, 21C**
- — subsp. ibrahimii : **40/2C**
- — subsp. ilgazensis : **52/28**
- — 'Late Love' : **09/21**
- — 'Lithuanian Autumn' : **09/21, 22C**
- — 'Oxonian' : **09/20C**
- — 'Pambak' : **09/21, 21C**
- — subsp. archibaldii : **09/23, 23C**
- — subsp. ilgazensis : **09/22, 22C**
- — subsp. speciosus : **09/19, 20C**
- — subsp. xantholaimos : **09/22, 22C; 52/28**
- stevensii : **76/33C, 34C**
- — corm : **76/34C**
- — leaves : **76/34C**
- — species nova, diagnosis : **76/34-35**
- — variations : **76/35C**
- striatulus : **52/25; 76/20**
- stridii : **59/7, 7C**
- sublimis : **59/14**
- suworovianus JRRK-018 : **108/29C**
- — JRRK-028 : **108/29C**
- — LST-304 : **108/30C**
- — corms : **108/28C**
- — var. lilacinus : **108/30**
- — lilacinus BATM-321 : **108/31C**
- tauri : **61/8**
- tauricus : **76/19, 19C**
- Taxonomic Problems : **74/12- 27**
- thirkeanus : **64/22, 26C**
- — alba : **64/26C**
- — corm : **64/22C**
- tommasinianus : **02/17C; 04/16**
- tournefortii : **90/3; 106/45C**

INTERNATIONAL ROCK GARDEN INDEX 119

- uschakensis : **52/2, 16C, 17C, 18C**
- — basal rings : **52/17C**
- — corm : **52/18C**
- — diagnosis : **52/18**
- — herbarium sheet : **52/19C**
- vaclavii : **59/1C, 4, 7C, 14**
- — corm : **59/7C**
- — locality : **59/8C**
- vallicola : **44/16, 16C, 18, 18C; 108/23C, 24C**
- — and hoverflies : **44/16C**
- vallicola & scharojanii hybrids : **108/23C**
- — interior : **44/17C**
- veluchensis : **75/6C**
- vernus : **04/7**
- — subsp. Albiflorus : **27/16C, 17, 17C**
- — 'Albus' : **04/8C**
- yalovensis : **99/17C, 18, 18C**
- youngiorum : **102/13**
- — corm : **102/21C**
- — diagnosis : **102/22**
- — KPPZ 90-209 : **102/17C, 18C, 19C**
- — seed capsules : **102/23C**
- — sp.nova herbarium : **102/20C**
- zetterlundii : **64/2, 23-24***
- — corm : **64/24C**
- — corm tunics : **64/23C**
- — JATU-008 : **64/21C**
- — LST-103 : **64/24C**
- — LST-109 : **64/25C**
- zubovii : **90/14**
- Crocuses : 14/10**
- Crocus, Tale of a : **92/17**
- Croton setigerus : 83/24C**
- Cruckshanksia hymenodon : 94/13C; 104/30C, 34C**
- pumila : **94/13C; 104/6, 7C, 29C; 111/19C**
- Cryptantha aspera : 104/1C, 29C**
- Cryptogramma crispa : 78/19**
- Cultivation**
- Corydalis pollination : **38/14, 14C**
- Corydalis Seed & Seedpods : **38/15C**
- Corydalis seed sowing : **38/15**
- Corydalis solida tubers : **38/12C**
- Dehiscing Seed Pods : **38/14C**
- Lattice pot cultivation : **38/12C**
- Mixed spring planting : **38/18C**
- Cumulopuntia sphaerica : 94/19C**
- Cuscuta sp. : 21/3**
- Cyananthus lobatus : 34/4; 45/2C; 55/21**
- — Sherriff's variety : **34/4**
- sherriffii : **34/4**
- Cyanoliseus patagonicus : 111/11C; 119/75C**
- Cyclamen, Collecting : **96/14**
- Cyclamen alpinum (syn. Trochopteranthum)**
- Cyclamen alpinum : 14/18; 96/22, 22C**
- — forms : **96/22C**
- cilicium : **14/17, 18C; 96/16, 16C**
- colchicum : **96/25C, 26, 26C**
- coum : **01/14; 14/17; 53/3C; 96/17, 18C, 19C; 98/30C**
- — var. abchasicum : **96/21C**
- — forma albissimum 'Lake Effect' : **96/20C**
- — forma albissimum 'Golan Heights' : **96/20C**
- — var.album : **98/30C**
- — forma atkinsii : **01/14C**
- — 'Dusky Maid' : **96/18C**
- — 'Meadens Crimson' : **96/21C**
- — pewter leaves : **96/19C**
- — 'Porcelain' : **96/20C**
- — scented form : **96/19C**
- creticum : **98/35C; 106/37C, 39C**
- elegans : **09/14C; 36/20C; 66/18, 18C, 19C, 20C, 22C**
- — Cultural Approaches : **66/21**
- — Habitat : **66/19**
- — KV93 : **66/23C**
- graecum : **26/6C, 12C; 60/11, 7C; 92/9C, 10, 12C**
- — subsp. Anatolicum : **40/3C**
- — subsp. graecum : **60/6, 6C**
- — — flowering : **60/10C**
- — — giants : **60/8C**
- hederifolium : **14/17; 25/14, 15; 53/8, 20; 96/26C, 27**
- — 'Album' : **25/14C**
- — 'Artemis' : **96/27C**

INTERNATIONAL ROCK GARDEN INDEX 119

- — colours : **96/28C**
- — Silver Leaf : **25/14C**
- — typical : **96/27C**
- — white form : **96/29C**
- intaminatum : **96/17, 17C**
- kuznetzowii : **78/21C; 96/22, 22C**
- libanoticum : **53/22C**
- mirabile : **14/17, 18C; 53/20; 96/14; 109/47, 48C, 49C, 52C, 53C; 119/115C**
- — habitat : **109/47C**
- — leaves : **40/10C**
- — forma niveum : **96/16, 16C; 109/50C**
- — 'Tilebarn Anne' : **96/15C; 109/51C**
- — 'Tilebarn Jan' : **109/51'C**
- — 'Tilebarn Nicholas' : **96/15C; 109/52C**
- parviflorum : **25/15C; 96/25C**
- — M & T 4341 : **25/15**
- persicum : **91/16, 17C**
- pseudibericum : **04/21, 21C; 14/17, 18C; 25/15, 15C; 53/21C; 96/23, 23C; 98/31C**
- — var. pseudibericum : **53/20C**
- purpurascens : **14/17C; 22/2, 2C, 3, 3C, 4C, 5C; 53/20; 96/24, 24C**
- — forma album : **96/25C**
- — forma fatrense : **53/20**
- repandum : **84/15C**
- — var. repandum : **14/17**
- — var. repandum forma repandum : **14/17C, 18**
- rhodium : **89/42, 42C**
- x schwarzii : **53/21C, 22, 22C; 96/14, 14C**
- tubers, giant : **60/7C, 9C, 11C**
- Cymbalaria muralis : 70/19, 19C; 98/40C**
- Cymbidium** sp. : **06/17C**
- Cynoglossum cheirifolium : 81/10, 11C; 87/7C**
- creticum : **81/10, 11C**
- Cypella** sp. : **34/12C**
- Cyphel : **78/3C**
- Cypripedium bardolphianum : 47/13C**
- californicum : **31/10, 11C**
- cordigerum : **55/23**
- elegans : **55/21**
- fasciculatum : **74/5**
- flavum : **39/5; 47/13, 13C; 115/60C**
- guttatum : **39/5; 97/10C**
- himalaicum : **55/21**
- macranthos : **97/10C, 11C**
- tibeticum : **55/16, 21; 115/60C**
- yunnanense : **39/5**
- Cytisus ardoinii : 03/17; 26/18, 18C; 93/34C, 35, 35C**
- x beanii : **03/17; 26/18, 19C**
- x 'Cottage' : **26/18, 19, 19C; 93/36**
- demissus : **86/13C**
- multiflorus : **81/25; 93/34**
- — 'Durus' : **93/34**
- proliferus : **110/70C**
- purgans : **93/34**
- purpureus : **93/34**
- scoparius : **26/18; 93/33C**
- Czech Kingdom coat of arms : **18/12C**
- Czech Coats of Arms : **41/3C**
- Czech Odyssey, A : **42/2**
- Czech Symbol : **18/9C**
- Dactylorhiza** aff. baumanniana : **75/8, 8C**
- aff. cordigera : **75/8, 8C**
- foliosa : **67/21, 23C**
- fuchsii : **67/21**
- fuchsii type : **67/21C**
- group : **67/25C**
- insularis : **103/17C**
- lapponica : **37/12, 24**
- maculata : **37/24; 67/21**
- — subsp. maculata : **37/12, 24**
- — type : **67/22C**
- — type 1 : **67/24C, 25C**
- — type 2 : **67/26C, 27C**
- markusii : **84/35, 35C, 36C; 101/28C; 116/44C**
- purpurella : **38/4; 67/21; 70/23C**
- romana : **91/16, 16C; 101/28C; 116/45C**
- saccifera : **75/2, 16C**
- self sown : **67/27C, 28C**
- sp. : **21/6; 38/10C; 67/21C**
- umbrosa : **15/5**
- viridis : **37/12**
- Dahlia imperialis : 98/28C**

INTERNATIONAL ROCK GARDEN INDEX 119

- Dalea purpurea** : 105/19C
Daphne alpina : 35/13
— arbuscula : 04/13; 05/10, 10C, 11;
34/13C; 71/15C, 25
— — 'Czech Crystal' : 88/26C
— — forma platyclada : 05/7
— — 'Star of Zizkov' : 58/15, 15C, 16C,
17C
— 'Arnold Cihlarz' : 05/17
— blagayana : 75/17
— — 'Brenda Anderson' : 04/20, 20C
— calcicola : 27/10; 45/16; 77/20, 21C
— — 'Sichuan Gold' : 63/15C
— circassica : 08/13C; 26/14C, 15,
15C,
16C
— cneorum : 05/3; 13/15, 17; 26/19C;
77/7, 7C; 78/26, 27C
— — forma alba : 13/15
— — var. cneorum 'Czech Karst' :
05/17C
— — x Daphne collina : 115/89C
— — Dark Form : 13/17C
— — var. pygmaea : 04/21; 13/17C, 18;
19/14
— — var. pygmaea forma alba : 13/15,
16C
— — — 'Czech Song' : 05/16C;
13/18C;
58/17C
— — — 'Herskind Star' : 78/26C
— collina : 42/10C; 113/79C
— aff. depauperata : 39/8
— genkwa : 12/20
— glomerata : 26/13, 13C, 14, 14C;
119/63C, 64C
— x hendersonii : 77/20
— — 'Marion White' : 77/20
— jasminea : 08/15, 15C; 15/19
— juliae : 05/1C, 2, 3, 3C; 08/17;
24/7C;
65/22
— — flowers : 65/21C
— — Variegated leaf : 05/2C
— laureola : 81/32C
— — subsp. philippii : 19/7
— malyana : 15/19, 20C; 22/11; 42/5;
88/29C
— — grafted on D. mezereum : 15/21C
— mezereum : 01/14; 15/20; 44/6C
— modesta : 77/20, 21C
— x napolitan— oleoides : 15/19
— petraea : 15/19
— — 'Grandiflora' : 25/11
— — 'Persebee' : 88/27C
— retusa : 08/15; 45/16, 16C
— rodriguezii : 01/13; 05/18, 18C
— x rollsdorfii : 19/16
— — 'Wilhelm Schacht' : 05/17C; 08/15
— sericea : 04/21, 21C; 20/19; 63/15C;
78/26C; 106/47C
— — Collina' : 08/12C
— x susanna 'Cheriton' : 71/29C
— — Lawrence Crocker' : 08/12C;
63/15C
— tangutica : 08/18
— — clone B : 04/21
— transcaucasica : 53/20; 86/28C
— velenovskyi : 71/23; 97/25, 27C
— — 'Balkan Rose' : 105/4C
Dark red helleborine : 78/7
Darlingtonia californica : 31/10C;
33/11C
Dasiphora (Potentilla) fruticosa : 16/8;
97/6C
— — (preparing tea) : 97/5C
Dasynotus daubenmirei : 25/22, 22C,
23C
— — flower : 25/23C
Degenia velebitica : 04/13, 14, 22;
28/10C; 2/12
Delosperma alpinum 'Sani Pass' :
65/7C
— basuticum : 110/90C
— congesta : 18/17C
— sp. : 71/18C; 110/61C
Delphinium confusum : 15/5, 5C
— chrysotrichum : 01/1C, 2, 2C
— — var. tsarongense : 01/2
— elatum : 97/12C
— geyeri : 74/9
— glaucum : 74/8
— likiangense : 05/11, 11C
— luteum : 33/7
— nuttallianum : 10/22; 11/7; 74/7, 7C
— occidentale : 74/8
— semibarbatum : 114/18C
Dentaria polyphylla : 13/9
Descurainea erodiifolia : 102/37C;
103/42,

INTERNATIONAL ROCK GARDEN INDEX 119

42C

- Deutzia gracilis** 'Nikko' : 98/39C
Dianthus alpinus : 15/13C; 87/20, 20C
— anatolicus : 34/14C
— — var. alpinus : 12/6
— arpadianus : 105/16C
— — var. pumilus : 12/6
— 'Baby Bubbles' : 109/5C
— brevicaulis : 01/9, 9C
— broteri : 81/3, 3C
— — subsp. valentinus : 81/3, 3C
— calalpinus : 17/4
— callizonus : 71/24
— carthusianorum : 03/17
— erinaceus subsp. alpinus = *Dianthus webbianus* subsp. alpinus
— erinaceus subsp. alpinus : 12/5, 5C
— freynii : 105/10C
— glacialis subsp. gelidus : 71/23
— haematocalyx subsp. pindicola : 04/13;
32/12; 75/17C
— hispanicus subsp. fontqueri : 81/3, 3C
— lusitanus : 81/28; 87/10, 10C
— microlepis subsp. degenii : 08/7, 7C
— — var. microlepis : 08/7, 7C
— minutiflorus : 22/13
— myrtinervius subsp. caespitosus : 75/10, 10C
— pinifolius : 22/13
— Rivendell' : 14/13C
— scardicus : 16/17
— simulans : 20/12, 12C
— sylvestris : 22/13
— webbianus subsp. Alpinus : 12/5, 5C
— — 'White Trojan Horse' : 12/6, 6C
— 'Whatfield Cancan' : 114/43, 44C
— x allwoodii alpinus : 03/17
Diapensia himalaica : 55/10, 10C, 21
— lapponica : 16/3; 78/4, 5C
— — subsp. Lapponica: 48/11C
— purpurea : 47/18, 18C, 19
Dicentra cucullaria : 53/9C; 69/9C
— peregrina : 17/15, 15C, 16, 16C; 25/13
— — dark form : 25/13C
— — pink form : 25/13C
— — white form : 25/13C

- Dicentra* & *Trillium grandiflorum* : 53/13C
Dictamnus albus : 01/14; 13/20; 18/9
— — 'Albiflorus' : 18/10C
— — Seed Pods : 18/10C
— caucasicus : 119/51C
— sp. : 18/10
Digitalis obscura : 81/8, 8C
— thapsi : 09/13, 17C
Dionysia afghanica : 88/28C
— archibaldii : 09/13, 13C
— — 'Tora' : 09/13, 13C
— aretiodes „Bevere' : 115/83C
— bornmuelleri : 16/12
— 'Chris Grey Wilson' : 07/13, 13C
— curviflora : 09/12, 12C
— diapensiifolia : 09/12
— esfandiarii : 16/12
— haussknechtii : 04/17C; 09/12; 24/6C
— 'Inca Gold' : 109/6C
— iranica : 16/16
— janthina : 09/12
— kossinskyi : 16/12
— 'Marika' : 109/6C
— michauxii : 09/12
— odora : 16/14C
— sawyeri : 16/12
— tacamahaca : 16/12, 13, 13C, 16, 16C
— tapetodes : 16/12
— zetterlundii : 16/16
Dioscorea humifusa var. *gracilis* : 103/34, 34C
Dipcadi serotinum : 81/29, 29C; 87/3, 4C; 110/75, 75C
— serotinum var. *fulvum* : 110/76C
Diphasiastrum alpinum : 78/15, 17C
Diphelypaea tournefortii : 116/22C
Diplarche multiflora : 05/4, 4C, 5, 5C
— pauciflora : 05/4, 5
Dodder : 21/3
Dodecatheon meadia : 06/7C
— pulchellum : 11/3
— — habitat : 06/7C, 8C
— sp. : 06/7, 8
Domesticated llamas : 119/92C
Donkey : 115/12C
Doronicum altaicum : 97/12C
— clusii : 57/13

INTERNATIONAL ROCK GARDEN INDEX 119

- Douglasia montana** : 05/9, 9C; 10/10C, 10; 11/21
— — var. *biflora* : 05/9
— *nivalis* : 11/21; 21/16]
Draba acaulis : 01/9, 10C
— *aizoides* : 22/13
— *alpina* : 44/13C
— *bhutanica* : 55/12
— *bruniifolia* : 12/5, 12, 12C
— *bryoides* : 14/6
— *cappadocica* : 05/7; 09/13; 12/10
— *densifolia apiculata* : 11/9C
— *hispanica* : 66/13; 81/33, 33C
— *hispida* : 119/38C
— *imeretica* : 119/50C
— *incerta* : 04/13, 14
— *oligosperma* : 05/9
— *ossetica* : 07/5C
— *oxycarpa* : 44/13C
— *polyphylla* : 115/58C
— *rigida* : 119/61C
— *rosularis* : 04/13; 05/7
— *sp.* : 11/6
— *ventosa* : 04/13
— cf. *yunnanensis* : 39/12
Dracocephalum aucheri : 50/6
— *botryoides* : 50/5, 5C
— *discolor* : 50/9C
— *diversifolium* : 50/4
— *fragile* : 50/4, 4C
— *grandiflorum* : 15/3, 3C, 8; 50/2, 2P, 3, 6, 7C; 97/13C
— — *habitat* : 15/2C
— *heterophyllum* : 50/4
— *imberbe* : 50/3C, 4
— *integrifolium* : 50/4
— *multicaule* : 50/6
— *nodulosum* : 50/4
— *nutans* : 50/6, 6C, 8C, 9C, 10C
— *origanoides* subsp. *bungeanum* : 50/4, 4C
— *palmatum* : 50/6, 6C
— *paulseni* : 50/6, 10C
— aff. *paulsenii* : 50/4
— *ruyschianum* : 50/3P
— *scrobiculatum* : 50/4
— *stamineum* : 50/4
— *thymiflorum* : 50/3P
Dracunculus vulgaris : 106/36C
Drainage line, sheet : 12/15C
Drimia maritima : 90/3
Drooping saxifrage : 78/6, 6C
Drosanthemum floribundum : 98/40C
Drosera rotundifolia : 37/14, 14C; 38/7, 8C
— *sp.* : 16/4
Dryas drummondii : 08/22, 22C
— *integrifolia* : 04/4
— *octopetala* : 06/11, 11C, 12C; 37/21; 44/10; 57/13; 60/1P; 78/9C; 96/1C
— — *seedheads* : 06/12C
Drymocallis glandulosa : 74/4
Dryopteris expansa : 37/15
Drypis spinosa : 75/19C, 20C
Dumontinia tuberosa : 107/23C
— — *Sclerotia* : 107/23C
Duranta serratifolia : 107/46, 46C, 47C
Dwarf cornel : 78/10
Dwarf cudweed : 78/4
Dwarf Shrublets : 94/28-35
Dying to find new plants : 108/55
Ebenus cretica : 106/45C
— *depressa* : 17/19, 19C
— *laguroides* : 17/19, 19C
Echinacea purpurea : 83/18C
Echinocactus polycephalus : 113/33C
Echinopsis chiloensis : 103/50, 50C
Echinopartum boissieri : 93/32C
— *horridum* : 93/26C
Echium albicans : 66/10, 10C; 78/26C
— *bonnetii* : 110/68C
— *decaisnei* subsp. *purpurienne* : 110/66C, 67C
— *plantagineum* : 81/30C
— *vulgare* : 108/78, 78C
— *wildpretii* : 110/67C
Edelweiss brooch 1848 : 06/4C
Edraianthus dalmaticus : 71/26
— *dinaricus* : 30/6C
— *graminifolius* : 08/14, 14C; 22/16; 42/4, 5
— subsp. *graminifolius* 'Albus' : 20/16, 16C
— — subsp. *niveus* : 20/16, 17
— *horvatii* : 42/4, 4C, 5C

INTERNATIONAL ROCK GARDEN INDEX 119

- montenegrinus subsp. durmitoreus :
22/15, 15C, 16, 16C
- niveus : **20/17, 17C; 78/27C**
- pilosulus : **20/14, 15C; 42/4; 78/24C**
- pulevicii : **22/14, 14C, 15, 15C**
- pulovii : **42/4**
- pumilio : **14/9C; 20/14; 30/6C;**
65/10C; 82/20C
- serpyllifolius : **20/15; 22/14**
- — forma albus : **20/14**
- — subsp. pilosulus : **20/14**
- — var. minor : **20/14**
- sp. In habitat : **22/13C**
- sutjeskae : **42/4, 5**
- vesovicii : **42/4; 78/25C**
- Embothrium** coccineum : **51/18, 18C**
- Empetrum** nigrum : **04/5**
- — subsp. hermaphroditum : **37/14, 17,**
21
- Enceliopsis** nudicaulis : **10/15**
- Ennealophus** fimbriatus : **98/33C**
- Ephedra** likiangense : **115/73C**
- Epigaea** gaultherioides : **25/6, 6C, 7C,**
8C
- repens : **79/9C**
- Epilobium** canum subsp. latifolium :
10/5, 5C
- obcordatum : **11/4, 5, 5C**
- rigidum : **31/13, 13C**
- septentrionale : **10/5C, 18C;**
119/115C
- Epimedium** : **112/3**
- 'Amber Queen' : **112/6**
- 'Domino' : **112/9C**
- 'Flowers of Sulphur' : **112/6C**
- 'King Prawn' : **112/7**
- 'Kodau Murasaki' : **112/11C**
- 'Pink Champagne' : **112/5C**
- 'Red Maximum' : **112/9C**
- 'Spine Tingler' : **112/7**
- acuminatum 'Night Mistress' :
112/10C
- brachyrrhizum x davidii 'Sam Taylor'
: **112/12C**
- grandiflorum : **112/7, 7C**
- — 'Circe' : **112/7**
- — 'Akagiza Kura' : **112/8C**
- ogisui 'Diane' : **112/11C**
- Epimedium** pinnatum subsp.
colchicum : **65/26; 112/4**
- x omeiense 'Akane' : **112/10C**
- x versicolor 'Cupreum' : **112/3C, 4C**
- Epipactis** atrorubens : **78/7, 8C**
- helleborine : **78/7**
- veratrifolia : **91/28, 28C, 29C**
- Equisetum** arvense : **30/3**
- pratense : **04/6**
- Eranthis**
- bibliography : **49/24**
- comparison : **14/15C**
- cultivars : **49/11**
- — Classification : **49/11**
- — cultivation : **49/9**
- — unnamed : **49/23C, 24C**
- personal communications : **49/24**
- Eranthis** albiflora : **49/5**
- byunsanensis : **49/5, 5C**
- — var. pungdoensis : **49/6**
- — rhizome : **14/15C**
- — seedheads : **49/10C**
- — 'All Saints' : **49/12, 12C**
- — 'Andenken an Johannes Raschke'
:
49/12, 12C
- — 'Barbara' : **62/19C**
- — 'Birte' : **49/12, 12C**
- — 'Clare Swales' : **49/12C**
- — 'Dooze' : **49/13, 13C**
- — 'Dr. Martina Bell' : **49/13**
- — 'Eberhard Fluche' : **49/14, 14C**
- — 'Egon Treff' : **49/14**
- — 'Euan Bunclark' : **49/14, 14C**
- — 'Grünling' : **49/15, 15C**
- — 'Grünspecht' : **49/15, 15C**
- — 'Lady Lamortagne' : **49/16, 16C**
- — 'Lightning' : **49/13, 16, 16C**
- — 'Moonlight' : **49/17, 17C**
- — 'Noël Ayres' : **49/17, 17C**
- — 'Orange Glow' : **49/18, 18C**
- — 'Orange Pips' : **49/18C**
- — 'Pauline' : **49/17, 19, 19C**
- — 'Richard Bish' : **49/20, 20C**
- — 'Ruth Treff' : **49/20', 20C**
- — 'Schlyters Orange' : **49/21**
- — 'Schlyter's Triumph' : **62/20, 20C**
- — 'Schwefelglanz' : **49/21, 21C**
- — 'Steffi' : **62/20, 20C**
- — 'Uckroer Frühlingssonne' : **62/21C**
- — 'Winterzauber' : **49/22, 22C**
- — 'Zitronenfalter' : **49/16, 22, 22C**
- — Double Strike Group : **49/13, 13C**

INTERNATIONAL ROCK GARDEN INDEX 119

- Flore Pleno : **49/15, 15C**
- Flore Semi-Plena : **49/15C**
- Gothenburg Double Group : **49/15**
- Plena type : **49/19, 19C**
- cilicica Herbarium : **108/2C**
- hyemalis 1st seedlings : **108/3C**
- hyemalis, Frost on leaves : **116/2C**
- iranica corrigendum : **109/40**
- T4Z 1150 : **109/40C**
- WHIR-047 : **108/15C**
- : **108/2, 7C**
- description : **108/14**
- herbarium : **108/13C**
- seedpods : **108/17C**
- iranica seeds : **108/17C**
- WHIR-038 – leaves : **108/15C**
- WHIR-038 : **108/11C**
- WHIR-038 – leaves : **108/16C**
- WHIR-047 tubers : **108/15C**
- keiskei : **49/7**
- lobulata : **49/6**
- var. elatior : **49/6, 6C**
- longistipitata : **49/4, 4C, 5; 108/4, 4C, 5C, 6, 6C**
- 1st seedlings : **108/3C**
- leaves : **108/16C**
- seedpods : **108/18C**
- tubers : **108/6C**
- pinnatifida : **14/16, 16C; 49/5, 7, 7C, 8C**
- 'Schlyters Gigant' : **49/20, 20C**
- 'Schlyters Riese' : **49/21, 21C**
- 'Schwefelglanz' : **49/19**
- sibirica : **49/8, 8C**
- stellata : **14/16; 49/1C, 5, 9, 9C**
- uncinata : **49/8**
- vaniotiana : **49/9**
- x tubergenii : **49/4, 4C**
- 'Glory' : **49/22**
- 'Guinea Gold' : **14/15; 49/22, 22C**
- — in Trough : **14/15, 15C**
- — rhizome : **14/14C**
- Eremolirion laetum : 117/56C**
- Eremurus aitchisonii : 114/5C**
- altaicus : **56/14**
- furseorum : **09/4**
- Erica carnea : 04/21; 13/8; 15/18C; 116/19C**
- cinerea 'Molly Rose' : **77/26C**
- — rooted cutting : **77/29C**
- 'Goldsworth Crimson' : **34/3**
- vulgaris 'H. E. Beale' : **34/3**
- Erigeron (alpinus or polymorphus) : 15/13C**
- Erigeron aureus : 11/19C, 20; 87/19, 19C**
- 'Canary Bird' : **18/16C; 87/19**
- borealis : **78/4, 5C**
- chrysopsidis : **11/20, 21C; 71/11C**
- var. brevifolius : **11/4, 4C; 32/12, 12C**
- chrysopsidis 'Grand Ridge' : **114/35C**
- Ota's chocolate hybrid : **71/11C**
- compactus : **10/19**
- compositus : **04/13; 110/94C**
- humilis : **44/13C**
- hyssopifolius : **16/6, 7C**
- leptopetalus : **113/23C**
- linearis : **10/19; 11/20**
- modestus : **04/14**
- multiradiatus : **45/13**
- scopulinus : **105/6C**
- sp. : **37/21; 97/12C**
- uniflorus : **77/9, 10C**
- subsp. eriocephalus : **37/20, 20C**
- vagus : **11/5, 6, 12C**
- Erigeron and Gentiana : 14/5C**
- Erinacea anthyllis : 66/6C; 81/32; 113/72, 72C, 74C, 75C, 80C, 81C, 82C, 83C**
- colours : **113/84C**
- 'Andalusian Rose' : **113/78C, 79C**
- 'Granada' : **113/73C, 76C**
- cuttings : **113/85C**
- seedlings : **113/85C**
- white : **113/76C**
- Erinacea habitat : 113/78C**
- Erinacea Planting : 113/77C**
- pungens 'Alhambra' : **71/34C**
- Erinus alpinus : 35/3C; 57/13**
- Eriocaulon aquaticum : 78/13C**
- Eriogonum arcuatum = E. jamesii
- Eriogonum acaule : 10/11, 11C**
- arcuatum : **11/7C, 8**
- aretioides : **10/13**
- brevicaule : **74/9**
- aff. Brevicaule : **10/18C**

INTERNATIONAL ROCK GARDEN INDEX 119

- brevicaule var. bannockense : **10/17, 17C**
- caespitosum : **10/18C, 22, 11/20; 71/8C**
- — var. caespitosum : **100/20C, 21C, 22, 22C**
- compositum var. compositum : **100/35C, 36, 36C**
- corymbosum var. aureum : **100/47, 47C**
- — var. corymbosum : **100/46, 46C**
- douglasii : **10/18C; 71/8C**
- — var. meridionale : **100/18C, 19C, 20, 20C**
- exilifolium : **74/10**
- gracilipes : **11/5, 6C**
- heracleoides var. heracleoides : **100/37, 37C, 38C**
- holmgrenii : **11/3**
- jamesii : **11/7C, 20**
- kennedyi : **11/20**
- kingii : **11/4**
- lobbii : **100/30C, 31, 31C**
- mancum : **100/28, 28C**
- marifolium : **11/4, 4C**
- ochrocephalum var. ochrocephalum : **100/23, 23C**
- ovalifolium : **10/14, 15C; 11/21; 74/10; 100/6, 6C**
- — var. depressum : **100/88C,**
- — var. eximeum : **100/12, 12C, 13, 13C**
- — var. focarium : **100/9, 9C, 44C**
- — var. nivale : **11/6, 6C; 71/8C; 100/10C, 11, 11C, 44C**
- — var. ovalifolium : **100/6, 6C**
- — var. purpureum : **100/7, 7C**
- — var. williamsiae : **100/14C**
- procidium : **10/22, 22C**
- robustum : **100/29, 29C, 30C**
- rosense : **10/21, 22**
- — var. rosense : **100/24, 24C**
- scopulorum : **11/5, 5C**
- shockleyi : **10/3, 14, 15C, 15, 16; 11/20; 100/27, 27C**
- siskiyouense : **100/25C, 26, 26C**
- soledium : **10/16, 16C**
- sp. : **100/3C**
- sphaerocephalum : **10/18C; 11/20; 19/10C, 11; 93/1C**
- — var. halimioides : **10/19**
- — var. sphaerocephalum : **100/32, 32C**
- strictum var. anserinum : **100/15, 15C, 16C, 17C**
- — var. proliferum : **95/11, 11C**
- thymoides : **03/17; 10/18C; 100/33, 33C, 34C**
- umbellatum : **100/39**
- — var. dichrocephalum : **100/41, 41C, 42C**
- — var. nevadense : **100/16C, 39, 39C, 40C**
- umbellatum var. porteri : **11/20; 100/43C, 44, 44C; 105/14C**
- — var. haussknechtii : **100/9C, 44C, 45, 45C**
- various : **100/4C, 5C**
- Eriophorum angustifolium : 37/14**
- brachyantherum : **37/13C, 14**
- gracile : **37/14**
- latifolium : **37/14**
- scheuchzeri subsp. scheuchzeri : **37/14**
- vaginatum : **37/13C, 14**
- Eriophyton wallichianum : 55/11**
- Eriosyce curvispina : 103/46C, 47**
- subgibbosa : **94/10C**
- Eritrichium aretioides = E. nanum var. aretioides**
- aretioides : **11/7, 9, 11C, 21; 14/5C, 7; 95/14, 14C**
- howardii : **01/5; 05/6; 10/9C, 9, 10C; 96/9, 10, 11, 11C, 12C, 13C**
- — 'Blue Sky' : **01/5C**
- nanum : **01/C7; 13/1C, 2C, 3, 4, 5, 6; 15/10, 10C; 18/19, 19C; 57/1C, 5C, 6C, 10C; 71/26**
- — var. aretioides : **11/11C**
- — habitat : **96/9C, 11C**
- — subsp. Jankae : **71/23, 23C**

INTERNATIONAL ROCK GARDEN INDEX 119

- — seed : **96/13C**
- — seed collecting : **96/12**
- sp. : **01/C7, 8C**
- tianschanicum : **109/43C**
- Erocallis** (Lewisia) triphylla : **74/4, 4C**
- Erodium** 'Allan Robinson' : **111/2C**
- boissieri : **66/15C**
- cheilanthifolium : **39/13, 15C**
- — album : **39/14C**
- — 'White Pearls' : **39/16C**
- corsicum : **111/70C, 71C**
- petraeum subsp. crispum : **39/13**
- reichardii : **111/67C, 68C**
- — 'Roseum' : **111/67**
- rupicola : **39/15, 16C**
- Seedhead : **39/16C**
- 'Spanish Eyes' : **65/7C, 12**
- 'William Bishop' : **111/73C**
- x variable : **111/67-73, 73C**
- Eruca** sativa : **81/11C**
- Erysimum** olympicum : **75/7**
- Erythranthe** cuprea : **117/20C**
- — yellow : **117/21C**
- depressa : **115/32C**
- lutea : **117/21C**
- naiandina : **117/3C**
- Erythronium species, Phylogeny of :
69/22D
- Erythronium** albidum : **36/10**
- americanum : **36/10**
- californicum : **31/13, 13C; 69/12, 13C, 61**
- caucasicum : **65/26**
 - citrinum var. citrinum : **69/5, 5C, 6, 6C, 7, 8C**
- — var. rodericki : **69/31, 42, 43, 43C**
- 'cliftonii' : **69/14**
- dens canis : **36/11; 44/6C**
- elegans : **69/28, 29, 29C, 30, 30C, 31, 31C**
- grandiflorum : **33/16C; 69/8, 9C, 10, 18, 19, 24; 74/1C, 6C**
- — carpet : **69/9**
- — cream : **69/10C**
- — var. grandiflorum : **69/20C**
- — habitat : **69/9C**
- — making offsets : **69/10C**
- — subsp. nudipetalum : **69/59, 60, 60C, 61, 61C**
- — var. pallidum : **69/8, 24, 24C, 25C**
- helenae : **69/11, 12, 12C**
- hendersonii : **69/3, 3C, 7, 33,**
 - — petal : **69/8C**
- howellii : **69/5, 7, 7C, 8**
 - — petal : **69/8C**
- idahoense : **69/10, 18, 19C**
- japonicum : **53/9C**
- klamathense : **69/23, 24, 32, 33, 33C**
- klamathense x hendersonii : **69/33**
- montanum : **07/14, 14C; 33/16C; 69/1C, 34, 35C, 36, 36C, 39C, 40C, 41, 41C, 65C**
 - — habitat : **69/39C**
- multiscapideum : **69/13, 15C, 45, 45C**
 - — in fruit : **69/14C**
- oregonum : **69/2, 5, 5C, 11, 11C, 23**
 - — subsp. leucandrum : **69/4, 4C**
 - — mottled leaf : **69/28C**
 - — subsp. oregonum : **69/4, 11, 17C, 18C, 26, 26C, 27C**
- pluriflorum : **69/51, 52, 52C, 53, 53C**
 - — habitat : **69/51C, 53C**
- 'Pulga' form : **69/13**
- purpurascens : **69/23, 37, 37C, 38, 38C**
- pusaterii : **69/54, 55C, 56, 56C, 57, 65C**
- Erythronium pusaterii habitat : **69/55**
- quinaultense : **69/30, 30C, 31, 57, 58, 58C, 59C**
- revolutum : **53/9C; 69/15, 16, 16C, 23; 90/1C, 31C**
- shastense : **69/62, 62C, 63, 63C**
- sibiricum : **36/2C, 36/9, 9C, 11C**
 - — subsp. altaicum : **36/12, 13C**
 - — bulbils : **36/10C**
 - — flower variation : **36/12C**
 - — leaf variation : **36/11C**
 - — seed : **36/10C**
- taylorii : **69/31, 49, 50, 50C, 51C**
 - — habitat : **69/49C**
- tuolumnense : **69/10, 46, 47C, 48, 48C, 49**
- watercolour : **90/32C**
- 'White Beauty' : **69/10**

INTERNATIONAL ROCK GARDEN INDEX 119

- Eschscholzia californica** : 114/45
— **lobbii** : 114/45C
- Eucryphia glutinosa** : 34/8
- Eunomia oppositifolia** = *Aethionema oppositifolium*
- Eunomia caespitosa** : 26/17
— **oppositifolia** : 05/18; 12/6, 6C; 20/9, 9C,
18, 19C; 23/4; 26/17; 46/10, 10C
— **subulata** : 23/9
- Euonymus alatus** : 34/7
— **fortunei** 'Emerald'n'Gold' : 98/29C
— **occidentalis** : 83/6
- Euphorbia acanthothamnus** : 43/9C
— **aphylla** : 110/60, 60C
— **characias** : 81/15, 15C
— **collina** : 51/21
— **griffithii** : 33/5; 55/6
— **polychroma** : 34/4, 5C
— **rigida** : 114/78C, 79C
— **sp.** : 84/22C
— **stracheyi** : 45/13C
— **veneris** : 91/24, 24C
- Euphrasia alpina** : 21/4C
— **subexserta** : 105/53C
— **sp.** : 21/3
- Euryops acraeus** : 30/7, 9C
- Evolvulus sericeus** : 107/54C
- Expeditions**
SBEC expedition : 58/5
SBEC expedition Members : 58/6C
SBEC expedition Trail : 58/5C
- Eyebright** : 21/3
- Fabaceae Shrubs, Dwarf** : 93/25 - 38
- Fagonia cretica** : 81/9, 9C
- Farrer Medal** : 06/6C
- Fauna:**
Andean hillstar hummingbird :
113/21C
Anna's Hummingbird, Male (*Calypte anna*) : 08/19, 19C
Aporia crataegi (Black-Veined White Butterfly) : 15/8, 8C
Araschina levana (Map Butterfly) :
12/14C
Archon apollinus (False Apollo) : 40/13C
Atacama tree iguana : 94/25C
Auca coctei : 102/47C
Auca pales : 103/4C
- Beware of the amphibians : 81/37C
- Biston betularia* (Peppered Moth) :
37/12
- Black Chinned Hummingbirds : 29/3
- Bombus pascuorum* : 65/1C, 19, 19C
- Burnet Moth (*Zygaena trifolii*) : 38/4C;
75/20C
- Burrowing parrot : 119/75C
- Butterfly on Orchid : 21/7C
- Canary Islands chiffchaff : 110/54C
- Canary Islands kestrel : 110/75
- Cape Sugarbird : 80/12C
- Chilean flamingoes : 105/37C
- Chilean mockingbird : 103/35C
- Cicada : 107/31C, 40C
- Cinclodes oustaleti* : 113/22C
- Cnephasia asseclana* moth : 62/22
- Common Blue butterfly, *Polyommatus icarus* : 38/8C
- Common dusky skipper : 102/48C
- Coscoroba swan : 113/19C
- Cosmosatyrus chilensis* : 102/47C
- Cretan goat : 106/38C
- Crocus vallicola** and hoverflies :
44/16C
- Cyanoliseus patagonus* : 94/26C
- Danaus plexippus* : 34/11C, 12;
110/75C
- Duck Helpers : 04/23C
- Erynnis marloyi*, Inky Skipper :
30/14C
- Eyed Hawkmoth : 65/9C
- Falco peregrinus* : 57/20C
— *tinnunculus canariensis* : 110/75C
- Five Spot Burnet Moth : 75/20C
- Fritillary butterfly : 101/56C; 117/35C
- Geranoaetus melanoleucus* : 103/38C
- Giant Millipede : 107/35C
- Gloydus halys* (Haly's Pit Viper) :
15/7C
- Goat Hazard : 26/5C
- Goats : 94/25C
- Grasshopper on *Aciphylla dobsonii*:
18/7C
— damage to *A. dobsonii* : 18/7C
- Grus nigricollis* : 55/6
- Haly's pit viper : 15/6
- Harlequin ladybird : 95/1C, 7C
- Harmonia axyridis* : 95/1C, 7C
- Hawk Moth : 77/1C

INTERNATIONAL ROCK GARDEN INDEX 119

- Heather Beetle : **77/26, 26C**
Hover fly on Codonopsis flower :
34/1C
Hummingbird : **70/3C**
Hypsochila wagenknechti : **113/22C**
berian Lynx Road Sign : **81/30C**
Iphiclides feisthamelii : **66/16C**
Kuhlman's tree iguana : **94/9C**
Lacerta viridis : **13/20**
Lama guanicoe : **94/22C; 111/47C**
Liolaemus atacamensis : **94/25C;**
111/23C
Liolaemus kuhlmani : **94/9C**
Liolaemus lemniscatus : **103/35, 36C**
Liolaemus lorentzmuelleri : **94/23C;**
104/8, 9C
Liolaemus punmahuida : **110/14C,**
16C
Lochmaea suturalis : **77/26, 26C**
Lorenz's tree iguana : **94/23C**
Lucanus cervus : **13/20, 20C**
Lycalopex griseus : **111/8C**
Macroglossum stellatarum : **77/1C, 3C**
Marmot, Marmota caligata : **33/17C**
Mimus thenca : **103/35, 35C**
Mitrodetus dentitarsus : **102/49C**
Monarch butterfly (Danaus plexippus)
:
34/11C, 12
Moravian Bird : **01/16**
Moscharia pinnatifida : **103/39C, 40C**
Mountain lion track : **69/59C**
N Hemisphere dipper : **113/22C**
Octodon degus : **102/40C**
Ophiocordyceps sinensis – caterpillar :
55/6
Oreotrochilus estella : **113/21C**
Orthetrum sp. : **113/29C**
Patagonia gigas : **103/52**
Philodryas chamissonis : **103/38C**
Phylloscopus canariensis : **110/54C**
Pompilocalus caupolican(wasp) :
94/18C
Praying Mantis : **26/9C**
Promerops cafer : **80/12C**
Pronghorn 'antelopes' : **10/11C, 11**
Ptarmigan : **11/15C**
Pyrgus fides : **102/48, 48C**
Red Squirrel (Sciurus vulgaris) : **36/8C**
Resting Bat : **02/7C**
Rhinella arenarum : **113/27C**
Sappho sparganurus, Humming Bird :
107/56
Scarab beetle : **107/49, 50C**
Scorpion : **106/37C**
Sephanoides sephanioides : **103/52C**
Sleeping foal : **55/20C**
Smerinthus ocellata : **65/9C**
Southern painted lady : **103/32C**
Spider NZ : **18/8C**
Squirrel, Grey : **65/23C**
Stick insect : **107/47C**
Swallowtail butterfly : **31/11C; 66/16**
Tatochila audice : **102/49C**
Tiphia tucumanensis, mating :
119/93C
Traumatomutilla lasiogastra :
119/93C
Tortoise beetle : **107/44C**
Transparent Burnet Moth : **75/20C**
Tuco tuco burrow : **117/49C**
Tuco tuco, Ctenomys : **105/35C**
Vanessa carye : **103/32C**
Vanessa Terpsichore : **103/40C**
Vinchuca bug : **94/5, 5C**
Wagenknecht's white butterfly :
113/22C
Wasp fly : **102/49C; 103/43C**
Yramea cytheris : **98/37C103/41, 41C**
Yramea lathonoides : **101/56C**
Yramea modesta : **117/35, 35C**
Zerynthia cerisy subsp. cretica :
106/44C
Zygaena trifolii : **38/4C; 75/20C**
Fagus orientalis : **119/29C**
Fedia cornucopiae : **84/22C**
Fern : **119/95C**
Ferula communis : **81/36, 36C**
Fessia gorganica : **113/64C, 65C,**
66C, 68C; 118/73C
— bract : **113/67C**
— description : **113/66**
— greilhuberi : **113/52C**
— khorassanica : **113/53C**
— habitat : **113/53C**
— olangensis : **113/56C, 57C, 58C**
— bracts : **113/59C**
— description : **113/51**
— flower : **113/60C**
— habitat : **113/62C, 63C**

INTERNATIONAL ROCK GARDEN INDEX 119

- — herbarium : **113/61C**
- — seeds : **113/59C**
- purpurea : **113/53C**
- puschkinioides : **113/54C**
- vvedenskyi : **113/54C**
- Festuca altaica** : **04/3**
- roemeri : **50/14**
- Fibigia triquetra** : **04/22, 22C; 32/12**
- Ficaria verna** : **88/2, 2C, 19C**
- — Bunch' : **88/4C**
- — Claudine' : **88/4C**
- — Collarette' : **88/5, 5C**
- — Crimson Damson' : **88/5C**
- — Damerham' : **88/6, 6C**
- — Double Bronze' : **88/7, 7C**
- — Double Mud' : **88/8, 8C**
- — Double White' : **88/7**
- — Elan' : **88/8, 8C**
- — Flore Pleno' : **88/9, 9C**
- — Florence' : **88/9, 9C**
- — Graham Joseph' : **88/10, 10C**
- — Green Petal' : **88/10, 10C**
- — Greencourt Gold' : **88/10**
- — Jacqueline' : **88/11, 11C**
- — Ken Aslet' : **88/11, 11C**
- — Leo' : **88/3C**
- — Melanie Jope' : **88/12, 12C**
- — Mimsey' : **88/12, 12C**
- — Montacute' : **88/13, 13C**
- — Nathalie' : **88/1C, 13, 13C, 19C**
- — Nicole' : **88/14, 14C**
- — Picton's Double' : **88/14, 14C**
- — Quillet' : **88/15, 15C**
- — Ragamuffin' : **88/15, 15C**
- — Salad Bowl' : **88/3C, 16, 16C**
- — Silver Collar' : **88/16, 16C**
- — subsp. calthifolia : **88/2**
- — subsp. chrysocephala : **88/2**
- — subsp. fertilis : **88/2**
- — subsp. ficariiformis : **88/2**
- — subsp. ficarioides : **88/2**
- — subsp. kochii : **88/2**
- — Sulli' : **88/17, 17C**
- — Sylvie' : **88/17, 17C**
- — Trenwheal' : **88/18, 18C**
- — Vanessa' : **88/18, 18C**
- — Wisley Double White' : **88/19, 19C**
- Filipendula ulmaria** : **37/21**
- Flooding : **109/8C**
- Flowers, heterostylous forms : **23/5D**
- Fraxinus angustifolia** : **86/4**
- Freesia laxa** : **98/46C**
- Fritillaria alburyana** : **09/4C**
- ariana : **114/6C**
- atrolineata : **118/53C**
- — habitat : **118/34C, 34C**
- aurea : **08/10, 10C; 20/8C**
- — forma cilicio-aurica : **08/10C; 24/10C**
- — Golden Flag' : **08/10**
- baisunensi : **114/9C, 10C, 11C**
- baisunensis anthers : **114/13C, 14C**
- — description : **114/12**
- — description : **114/3**
- — flower details : **114/13C**
- — flower stalk : **114/11C**
- — seed capsule : **114/16C**
- — seedlings : **114/15C**
- aff. bithynica : **07/13, 13C**
- bucharica : **114/7C, 8C**
- — anthers : **114/8C**
- carica subsp. serpenticola : **63/18, 18C**
- chlorantha : **07/15, 15C**
- cirrhosa : **55/21; 115/73C**
- collina : **119/57C**
- crassifolia : **118/ 42C**
- — var. kurdica : **46/7C**
- eduardii : **04/15, 16, 16C, 17**
- — bud : **04/17C**
- gibbosa : **114/6C**
- graeca : **92/13, 13C**
- imperialis : **04/15, 16; 24/6C; 34/11C; 65/1C; 19C; 118/35C, 36C, 42C**
- — forms : **04/17C**
- — habitat : **118/36C**
- — ssp. grandiflora : **118/37C, 38C**
- — ssp. kotschyana : **118/39C, 40C**
- — yellow : **04/17C**
- karelinii : **114/7C**
- kurdica : **118/41C**
- latifolia : **119/57C**
- lusitanica : **81/20, 20C, 30, 30C**
- messanensis : **114/76C**
- minima : **46/10, 10C**
- minuta : **46/, 10C**
- obliqua : **92/13, 13C**
- olgae : **114/17C**

INTERNATIONAL ROCK GARDEN INDEX 119

- pallidiflora : **53/13C**
- persica : **118/ 42C**
- — habitat : **118/ 42C, 52C**
- pinetorum : **69/57C**
- poluninii : **118/ 42C, 43C**
- pudica : **69/8, 18**
- raddeana : **04/15**
- reuteri : **118/44C**
- rhodia : **89/27C**
- sp. : **40/13, 13C**
- stenantha : **114/7C**
- straussii : **16/14, 14C; 118/ 42C, 44C, 45C**
- uva-vulpis : **98/32C**
- zagrica habitat : **118/46C**
- Fuchsia procumbens : 98/39C**
- splendens : **70/2, 3C**
- Fumana baetica : 66/11C**
- cf. ericoides : **66/3C**
- Fynbos : **80/11C**
- regeneration : **80/5C**

- Gagea durieui : 81/17, 17C**
- sp. : **119/27C**
- villosa : **12/12, 12C**
- wilczekii : **81/17, 17C**
- Galanthus alpinus : 119/19C**
- 'Anglesey Orange Tip' : **37/7**
- angustifolius : **65/26**
- 'Blewbury Tart' : **37/8**
- 'Blonde Erika' : **62/11C**
- 'Blonde Inge' : **37/4**
- caucasicus in seed : **119/43C**
- 'Diggory' : **37/6**
- 'Diggory' - 'Chips' : **37/6C**
- 'Dryad Artemis' : **86/19, 19C, 20C, 21C**
- 'Dryad Gold Bullion' : **66/24C**
- 'Dryad Gold Charm' : **66/26C**
- 'Dryad Gold Ingot' : **66/26C**
- 'Dryad Gold Medal' : **66/26C**
- 'Dryad Gold Nugget' : **66/26C**
- 'Dryad Gold Ribbon' : **66/26C**
- 'Dryad Gold Sovereign' : **66/26C**
- 'Dryad Gold Star' : **66/27C**
- Dryad Table : **66/28**
- 'Dryad Venus' : **98/47, 47C**
- 'Elizabeth Harrison' : **53/3C**
- elwesii : **37/2; 40/6C, 9C; 62/8**
- — var. monostictus : **62/12**

- — 'Senne's Sunrise' : **37/7, 7C**
- — 'Sweet Alice' : **37/7, 7C**
- 'Federschwingen' : **62/11C**
- gracilis : **12/10; 62/8**
- graecus : **90/21, 21C**
- — inner segment colour variations : **90/23C**
- 'Grakes Gold' : **37/1C, 4C**
- 'Grakes Yellow' : **37/2**
- 'Grüne Pendelkugel' : **62/10, 10C**
- 'Grüne Waldfee' : **62/6, 6C**
- 'Grüne Weihnacht' : **62/1C : 62/1, 12C**
- 'Grüner Faun' : **62/8, 8C**
- 'Grüner Frühaufsteher' : **62/4C, 5C**
- 'Grüner Splitter' : **62/3C**
- 'Grüner Streifentropfen' : **62/6, 6C**
- 'Hagen Hastdunichtgesehn' : **62/7, 7C**
- 'Joy Cozens' : **37/7**
- krasnovii : **65/26; 119/38C**
- lagodechianus fruiting : **99/31C**
- 'Looking around' : **37/8, 8C**
- 'Lutescens' : **66/24C**
- nivalis : **02/17C; 37/2; 62/8; 86/1C, 3C, 4C, 6C, 7C, 8C**
- — broad foliage : **86/6C**
- — 'FairyTail' : **88/30, 30C, 31C, 32C**
- — 'Flore Pleno' : **37/5**
- — 'Forest Muse' : **112/67, 67C, 69C**
- — 'Forest Muse' description : **112/68**
- — 'Forest Muse' floral segments : **112/68C**
- — 'Grakes Gold' : **37/3C, 4**
- — 'Grakes Green Bells' : **37/6, 6C**
- — 'Grakes Yellow' : **37/3C**
- — 'Greenish' : **62/2C**
- — 'Just the two of us' : **37/8, 8C**
- — 'Melanie S.' : **37/5, 5C**
- — narrow foliage : **86/6**
- — 'Robert Wijnen' : **37/4C**
- — 'Valentine's Day' : **37/2, 2C**
- — 'Virescens' : **62/2**
- — Sandersii Group : **37/3**
- — Sandersii Group 'Golden Boy' : **37/5, 5C**
- — var 'Scharlockii' : **37/2, 9**
- — var. 'Scharlockii' Clones : **37/9C**
- — 'Trust' : **112/70, 70C, 71C**

INTERNATIONAL ROCK GARDEN INDEX 119

- 'Trust' description : **112/71**
- 'Trust' floral segments. : **112/71C**
- 'Wendy's Gold' : **66/24C**
- 'Wim Boens' : **112/72, 72C, 74C**
- 'Wim Boens' description : **112/73**
- 'Wim Boens' floral segments :
112/73C
- woronowii 'Ernie Cavallo' : **112/63, 63C, 65C**
- 'Ernie Cavallo' floral segments :
112/64C
- 'Ernie Cavallo' foliage : **112/64C**
- Yellow Snowdrops : **66/24**
- panjutinii : **65/26**
- 'Pausbacke' : **62/11C**
- 'Percy Picton' : **104/67C**
- platyphyllus : **65/26; 107/9C; 119/61C**
- plicatus : **62/8; 65/26**
- byzantinus : **87/29**
- 'Diggory' : **02/17C**
- 'Harley Milne' : **87/27, 27C, 29C, 30C**
- 'Ise Bilse' : **62/8, 8C, 11**
- reginae-olgae : **26/4, 4C, 8**
- rizehensis : **65/26**
- 'Rosemary Burnham' : **62/2C**
- 'Schmalhans im grünen' : **62/12C**
- 'Schorbuser Blut' : **62/5C**
- 'Schorbuser Irrlicht' : **62/9, 9C, 11C**
- 'Schorbuser Lampion' : **62/10, 10C, 11C**
- sp. : **53/3C**
- 'Spindlestone Surprise' : **37/4**
- 'Sündhaft Grün' : **62/12C**
- 'Till Sonnenschein' : **62/12, 12C**
- transcausicus : **09/14C**
- 'Wellenspiel' : **62/11C**
- woronowii : **01/16; 37/2; 65/26**
- 'Boschoeve' : **37/8, 8C**
- 'Cider with Rosie' : **37/8**
- poculiformis : **65/26C**
- Galanthus with Crocus vernus hybrids :
53/4C
- Galax** aphylla : **34/8, 9**
- soboliferum : **119/40C**
- saxatile : **78/16**
- Gamocarpha** selliana : **110/8C**
- Gardens:
 - Alpine Addiction : **109/2-24**
 - Bangsbo Botanic Garden, Denmark :
08/9C; 12/15, 16
 - Bangsbo garden, Sunrise over :
13/12C
 - Beauty Slope : **20/17; 32/13; 100/53, 53C**
 - Beauty Slope in Snow : **24/14C**
 - Becker Barn : **112/63C**
 - Becker Barn Rock Garden :
112/63C
 - Becker Garden surroundings :
112/65C
 - Betty Ford Gardens, Colorado :
56/2
 - Botanic Gardens of Nancy :
56/2
 - 'Bryn Collen' Garden : **33/2C**
 - Lysichiton and Gunnera :
33/4C Planting in the upper garden : **33/5C** Stock plant tunnel : **33/6C**
 - Stock plants in a greenhouse : **33/5C**
 - Buda garden : **34/15C**
 - Creating and Planting Alpine Gardens : **10/3C**
 - Crevice Garden, Wisley : **17/8C**
 - Forfar Botanists' Garden : **65/23C**
 - Garden, Making a : **86/10C**
 - Gardens in the Mountains : **10/6; 22/11** 'Grakes Heredij' : **37/3, 6**
 - Hoek, Gert Garden : **79/3C**
 - Frames, Cold : **79/12C, 13C, 14C**
 - Front Garden : **79/11C**
 - Garden Drainage : **79/3C**
 - Garden Plantings : **105/18C**
 - Garden Views : **79/7C**
 - Greenhouse : **79/12C**
 - Old Garden : **79/3C**
 - Peppesträdgård : **101/2-25, 2-25C**
 - Polonskaja, Svetlana's garden :
117/59, 60C
 - Polonskaja, Svetlana's rock garden :
117/57C
 - Propagation area : **79/12C** Raised Beds : **79/4C, 5C**
 - Raised Tufa Bed : **79/8C**
 - Troughs : **79/6C**
 - Holubec garden : **07/4C; 32/10C**
 - Inverewe Garden : **90/29C**

INTERNATIONAL ROCK GARDEN INDEX 119

- Views from Inverewe : **90/30**
Jardin d'Altitude du Haut-Chitelet :
56/2
Jardin de Crevasses : **04/15C**
Kirstenbosch Botanic Garden : **80/3**
Lohbrunner, E.H., Alpine Garden :
17/18
Mountain Garden of a Dervish : **23/2**
Natural Rock Garden in Wyoming :
10/8C
Natural Rock Garden : **31/1C**;
57/11C; 70/23C, 26C
Natural volcanic rock garden :
57/8C Nature's garden : **38/9C**
Papousek garden : **88/22, 23C,**
24C Tunnel Bed : **88/28C**
Tunnel Garden : **88/25C**
Pat Toolan Garden : **34/15C**
Pelham House Garden : **07/15C**
Riverside Rock Garden, Dunblane :
65/21C
Rock Garden Views : **34/14C** Rock
Garden Views – Prague : **18/15C**
Rock Garden – Young : **07/1C**,
2 Rosengarten, View of the : **57/6C**
Santa Barbara Botanic Garden :
21/13 Shed Roof Garden : **58/9C**
Small crevice garden : **65/2–18, 2–**
18C Spiegel Garden : **17/10C**
Spiegel Garden, Western Phlox at :
17/9C
Tholhuijsen, Jan Garden : **79/16C**;
20C Long Trough : **79/16C**
Long Trough Construction :
79/16, 17C, 18C, 19C
Under Deck Plantings : **58/14C**
Val Gardena, Dolomites : **21/1C, 2C**
Waterfall : **17/6C**
Waterperry Gardens : **35/19C**
Weiser dry-land garden : **100/34C,**
48C, 49C
Young Garden under snow : **24/1C**
Gastrolobium melanopetalum : **34/16**
Gaultheria caespitosa : **117/22C**
— tetramera : **34/8**
Gazania Hybrids – watercolour : **09/4C**
Genista boissieri : **93/32C**
— carinalis : **93/1C, 28C, 29C, 38C**
Genista depressa : **105/6C, 8C**
— horrida : **02/16; 03/17; 13/19, 19C;**
93/26C
— — under snow : **02/16C**
— involucrata : **93/33C**
— ? involucrata : **78/26C**
— januensis subsp. januensis : **93/30,**
30C, 31C
— lydia var. lydia : **04/13; 78/25C**
— 'Lydia' : **34/14C**
— pilosa 'Minor' : **93/25**
— — 'Vancouver Gold' : **93/25C**
— sericea : **03/17; 20/12, 12C**
— — in the Slavjanka Mts : **93/27C**
— subcapitata : **03/17; 93/26, 26C**
— sylvestris : **71/26**
— tinctoria : **65/22**
— transcaucasica : **119/21C**
— versicolor : **66/5C, 6C**
Gennaria diphylla : **110/45, 45C**
Gentiana acaulis : **06/6, 6C; 13/4;**
14/13C;
15/1C, 11C; 19/13; 27/17; 32/12;
34/13C;
41/17, 17C
— — forma alba : **20/14**
— — 'Blue Velvet' : **34/13C**
— — forms : **18/16C**
— alpina : **77/8**
— alorum : **54/2, 2D**
— — subsp. alorum : **54/2, 3C**
— — subsp. purpurea : **54/2**
— angulosa : **119/28C**
— angustifolia : **19/13, 13C, 15; 32/12,**
12C, 13; 63/16
— — 'Christian Lavaysse' : **19/15C,**
16C
— — subsp. corbariensis : **19/3, 3C,**
4C
— — forma alba : **19/15C**
— — 'Gleize' : **19/16C**
— — 'Iceberg' : **19/14C; 87/25C**
— — 'Mrs. Vorger' : **19/14, 15C**
— — subsp. occidentalis : **32/13**
— — 'Rannoch' : **19/14**
— aquatica var. pseudoaquatica : **27/6,**
6C
— arethusae : **27/5**
— asclepiadea : **48/8C; 116/2C**
— — seed : **68/13C**
— 'Belvedere' x *G. kochiana* alba :
95/32C

INTERNATIONAL ROCK GARDEN INDEX 119

- boissieri : **01/11, 11C**
- — habitat : **01/9C**
- boryi : **27/5**
- brachyphylla : **15/13C**
- cf. chungtienensis : **47/15C**
- clusii : **04/23; 32/12; 78/22C; 95/31C**
- — var. clusii : **36/14**
- — pink throat : **95/35C**
- — rosa fm. : **95/33C**
- — rose pink : **95/34C**
- crassula : **27/9**
- curviphylla : **27/1C, 6, 6C**
- decorata : **05/4**
- delavayi : **27/9, 9C**
- depressa : **34/13; 45/3, 5, 5C, 6C; 48/12C**
- dinarica : **32/12**
- djimilensis : **65/28**
- emergens : **05/4, 4C, 5**
- excisa : **19/13**
- falcata : **15/8, 8C**
- farreri : **27/5**
- froelichii : **71/26**
- georgei : **27/5**
- glauca : **04/3**
- grandiflora : **97/12C, 22C**
- 'Gunvor' : **34/8C**
- haynaldii : **27/5, 5C**
- helophila subsp. dolichocalyx : **54/3, 3D**
- hexaphylla : **27/5**
- hybrids : **95/36C**
- 'Karlik' : **19/14C**
- kochiana : **19/13**
- lawrencei : **22/9C; 54/2, 3D, 4**
- leucomelaena : **27/7C, 8**
- nanobella : **27/6, 7C**
- nivalis : **37/24; 78/4, 5C, 8C**
- occidentalis : **19/3; 32/13, 13C, 14, 14C; 63/16C; 95/31**
- — var. aragonica : **36/14**
- olivieri : **15/8, 8C**
- orbicularis : **13/3**
- oreocharis : **54/3D**
- — spec. nova : **54/4C**
- ornata : **27/5; 45/3, 3C, 4, 4C, 5C**
- — forma alba : **45/4**
- paradoxa : **08/19**
- parryi : **74/8**
- picta : **27/9**
- prolata : **45/5**
- prostrata : **117/22C**
- punctata : **15/14C; 75/11C**
- pyrenaica : **27/5; 77/8**
- querceticola spec. nova : **54/8C, 8D**
- rubicunda : **27/5, 8, 8C, 9**
- saxosa : **75/3**
- septemfida : **01/11; 04/13**
- shangrila : **27/9, 10**
- 'Shot Silk' : **65/13C**
- sino-ornata : **13/12; 27/5; 34/3C**
- spp. : **14/7**
- squarrosa : **27/6, 6C**
- stipitata : **27/5**
- — subsp. elegantissima : **54/6, 6C, 6D**
- — subsp. stipitata : **54/5, 5D**
- — subsp. tizuenzis : **54/5, 5D**
- syringea : **27/5, 7C, 8**
- szechenyi : **02/12, 13C; 27/5; 54/7**
- — forma alba : **02/12C**
- — subsp. Nova : **54/7**
- — subsp. stolonifera : **54/7, 7C**
- — subsp. szechenyi : **54/7**
- terglouensis : **13/6, 6C; 71/26**
- ternifolia : **58/3*, 4D**
- — 'Cangshan' : **58/2C, 3C, 5C**
- — 'Dali' : **58/6, 6C**
- 'Trumpets of Jericho' : **36/14C; 95/3C**
- tubiflora : **45/5**
- utriculosa : **21/4C**
- veitchiorum : **27/5, 5C; 54/2**
- verna : **02/2, 3C; 13/4; 15/3, 3C, 14C; 19/3C; 27/17**
- — var. balcanica : **97/28C**
- — f. calycina : **42/5, 5C**
- — oschtenica : **65/28**
- violet form : **95/32C**
- wardii : **05/4**
- Gentiana**, Daphne, Paeonia, Sedum and
Sempervivum : **42/15C**
- Gentianella** amarella : **38/4, 4C**
- campestris : **38/5, 5C**
- multicaulis : **115/32C**
- tenella : **37/24**
- Geranium** charlesii var. punctata : **114/3C**

INTERNATIONAL ROCK GARDEN INDEX 119

- dalmaticum : **08/16, 17**
- macrorrhizum : **75/21**
- refractum : **55/19**
- sanguineum : **98/41C**
- sessiliflorum : **115/18C**
- subcaulescens 'Splendens' : **08/15, 15C**
- sylvaticum : **78/15**
- sylvestris : **37/19, 22**
- Gerbera aurantiaca** : **45/10, 10C**
- Gesneriaceae Plants at Keillour : **47/6**
- Geum coccineum** : **75/8, 9C**
- — seedheads : **75/10C**
- montanum : **15/11C**
- reptans : **21/3**
- rivale : **37/24, 24C**
- triflorum : **04/13; 74/7**
- Geology:
 - Giant boulder : **77/14C**
 - Glacial Rocks with pine trees : **04/7C**
- Germination tips : **68/5**
- Gilia caespitosa** : **10/13**
- Gladiolus alatus** : **34/14C**
- brachyphyllus : **104/54C**
- gueinzii : **104/56C**
- illyricus : **81/20, 20C**
- imbricatus : **75/16C**
- italicus : **89/27C; 91/31C**
- mortonius : **104/55C**
- oppositiflorus ssp. salmonaeus : **104/55C**
- saundersii : **104/56C**
- sp. : **34/12**
- Glandularia peruviana** : **107/49, 49C**
- porrigens : **104/20C**
- Glasgow Show: **109/7C**
- Glasshouse blinds : **109/8C**
- Glasshouse with tufa wall : **109/6C**
- Glaucium flavum** : **106/35C**
- grandiflorum : **119/8C**
- squamigerum : **14/12**
- Globularia incanescens** : **35/10, 11C; 71/12C; 78/25C; 114/39, 39C**
- repens 'Nana' : **105/7C, 10C**
- Gnaphalium norvegicum** : **37/23**
- supinum : **37/23, 23C; 78/4, 5C**
- Gomphrena pulchella** subsp. albisericea : **115/23C**
- Goodyera repens** : **38/2C**
- Grass of Parnassus : **78/10**
- Great Caucasus : **119/55C**
- Greenovia aurea** : **110/73C**
- Gremi : **119/19C**
- Grevillea rosmarinifolia** : **98/38C**
- Grindelia prunelloides** : **108/78C**
- Gueldenstaedtia himalaica** : **115/73C**
- Gymnadenia conopsea** : **37/12, 19, 19C; 38/7C; 75/16C; 78/7**
- sp. : **21/6**
- Gymnocarpium robertianum** : **119/51C**
- Gynandris sisyrinchium** : **81/18, 18C**
- Gypsophila adenophylla** : **46/6, 6C**
- aretioides : **14/6, 7**
- repens : **15/14C**
- — 'Rosa Schönheit' : **114/40C**
- Haastia pulvinaris** var. minor : **107/63C**
- Habenaria tridactylites** : **110/46, 46C**
- Haberlea ferdinandi-coburgii** : **47/8, 8C**
- rhodopensis : **47/2, 8, 8C, 12**
- rhodopensis-5 : **47/4D**
- — var. virginalis : **47/8, 8C**
- Habitat:
 - Orobanche in the Gargano : **21/8C**
 - Rhododendron complexum : **47/18C**
 - Saxifraga oppositifolia : **54/10C**
 - Upland Meadow : **21/6C**
- Habranthus magnoi** : **98/41C**
- Hackelia uncinata** : **55/21**
- Haemanthus barkerae** : **104/57C**
- humilis subsp. humilis : **104/57, 57C**
- Hairy stonecrop : **78/8C**
- x Halimiocistus sahucii** : **08/16**
- Hamamelis** cultivars : **34/9C**
- Haplopappus acaulis** : **10/9, 22**
- prunelloides : **51/21C**
- pygmaeus : **11/9, 9C**
- Haplopappus acaulis = Stenotus acaulis
- Hedeoma ciliolata** : **115/85C**
- Hedysarum sericeum** : **119/8C**
- Hegemone lilacina** : **56/14**
- Helianthemum alypoides** : **36/20C**
- apenninum : **66/12**
- — subsp. estevei : **66/12C**
- 'Baby Buttercup' : **114/43C**
- canariense : **110/58C**
- — habitat : **110/58C**
- aff. canum : **16/11**

INTERNATIONAL ROCK GARDEN INDEX 119

- 'Caput Felis' : **81/3, 3C**
- croceum : **35/14**
- 'Fire Dragon' : **04/13**
- grandiflorum : **15/14C**
- marifolium subsp. origanifolium : **66/11, 11C**
- nummularium : **105/20C**
- — & habitat : **57/12C**
- 'Orange Surprise' : **08/19**
- pannosum : **66/12, 12C**
- Helianthus** quinquenervis : **74/8**
- Helichrysum** aff. milfordiae : **02/16C**
- Heliomeris** multiflora : **74/8**
- Heliosperma** alpestre : **22/13**
- Heliosperma alpestre = Silene alpestris
- Heliotropium** crispum : **110/57C**
- geissei : **103/48, 48C**
- lineariifolium : **94/12C; 104/33C**
- Hellebores : **53/10C**
- Helleborus** 'Ballard's Black' : **33/7**
- chinensis : **03/10, 10C**
- foetidus : **05/15; 87/13**
- niger : **01/15, 15C; 02/16C**
- orientalis : **119/22C**
- orientalis in seed : **119/23C**
- vesicarius : **33/5, 5C**
- viridis var. thibetanus : **03/10 10C**
- Hemerocallis** minor : **97/13C**
- Hemipilia** cruciata : **39/5**
- Hepatica** cultivation : **80/22**
- Hepatica** nobilis : **01/14, 14C; 04/8, 8C; 18/14; 19/4**
- — 'Alba' : **04/7C**
- — foliage – silver-marked : **80/17C**
- — forms : **80/14C, 15C, 16C, 19C, 23C, 24C, 26C, 27C, 28C, 29C**
- — hybrids : **80/20C**
- — indigo strain : **80/22**
- — leaf forms : **80/18C, 25C**
- — pink : **80/22C**
- japonica 'Murasaki Shikibu' : **80/21C**
- — 'Akane' : **80/29C**
- transsilvanica 'Mrs Alison Spence' : **80/21C**
- — hybrid : **80/18C**
- triloba : **04/8C**
- Heracleum** sphondylium subsp. montanum : **97/13C**
- Hermodactylus** tuberosus : **92/13, 13C**
- Herorchis** longicornu : **103/13, 13C**
- picta : **116/45, 45C, 46C**
- — x Vermeuleniana papilionacea var. vexilifera : **116/46C**
- Hesperantha** humilis : **104/58, 58C**
- vaginata : **104/59C**
- Hesperis** lunata : **81/12, 12C**
- Heuchera** alpina : **21/16**
- americana var. hispida f. purpurea : **21/18**
- 'Bouquet Rose' : **21/18, 18C**
- 'Brizoides' : **21/16, 18**
- 'Canyon Belle' : **21/13**
- 'Canyon Delight' : **21/13**
- 'Canyon Duet' : **21/13, 13C**
- 'Chartreuse' : **21/16**
- 'Coral Bouquet' : **21/16**
- cylindrica var. alpina : **21/16**
- — — 'Wenatchee Form' : **21/16C, 17C**
- elegans : **21/13, 13C**
- 'Greenfinch' : **21/16 : 21/16**
- hallii : **21/19**
- hirsutissima 'Santa Rosa' : **21/15, 15C, 16C**
- 'Mayfair' : **21/19**
- ovalifolia : **21/16**
- 'Petite Marbled Burgundy' : **21/19C**
- 'Petite Pearl Fairy' : **21/19**
- 'Petite Ruby Frills' : **21/19**
- pulchella : **21/13, 13C, 14C**
- — Sandia Crest Form : **21/14C**
- 'San Pico Hybrids' : **21/19**
- 'San Pico Rosita' : **21/19**
- sanguinea : **21/13**
- Hieronymiella** clidanthoides : **98/33C**
- marginata : **107/56C; 115/31C**
- Himantoglossum** hircinum : **19/7, 7C; 75/19**
- robertianum : **67/15, 15C; 91/13, 13C, 14C**
- Hippeastrum** bicolor : **103/37C**
- cybister : **34/12, 12C**
- igneum : **103/37, 37C**
- Hoffmannseggia** doellii subsp. argentina : **113/7, 7C**
- Holly fern : **78/7**

INTERNATIONAL ROCK GARDEN INDEX 119

- Homogyne alpina** : 78/6, 6C
Honckenya peploides : 70/13C, 14C
— — in fruit : 70/14C
Horkelia daucifolia : 83/10C, 25C
Huperzia selago : 58/9; 78/16C
Hutchinsia alpina : 77/9, 10C
Hyacinthoides x massartiana :
101/20C
— reverchonii : 81/32, 32C
Hyacinthus litwinowii : 118/47C
Hydrangea paniculata : 34/6
Hylomecon & Imposters Table : 68/3
— japonica : 68/2, 2C, 3, 11C
— — and imposters, leaves : 68/4C
— — and imposters, seeds : 68/4C
— — leaves : 68/5C
— — seed : 68/4, 4C, 5C
— — var. dissecta : 68/6C
Hymenoxys acaulis : 11/6
— grandiflora : 11/16C
Hypericum cerastioides : 19/16
— coris : 35/14
— kazdaghense : 12/9; 19/16, 17, 18,
18C
— kazdaghensis : 19/18
— olympicum : 19/16, 17, 17C
— reptans : 19/1C, 19, 19C, 20, 20C
Hyoscyamus aureus : 89/44, 44C
Hypocoum imberbe : 81/24, 24C
Hypochaeris acaulis : 105/46C;
117/20, 23C
— hookeri : 105/40C
— radicata : 83/7C, 21C, 23C
— terra-mortuis : 103/44C
Hypsochila wagenknechtii : 113/23
Hypseocharis pimpinellifolia : 119/97C
Hyssopus officinalis : 83/17C

Iberidella caespitosa : 26/17
Iberis carnosa : 114/33C
— petraea : 17/4
— saxatilis : 12/5, 5C
— spathulata : 77/8, 9C
Iliamna crandallii : 74/5
Incarvillea compacta : 02/12
— forrestii : 56/7C
— mairei var. grandiflora : 45/16, 16C
Indian Paintbrush : 21/3, 3C
Ipheion uniflorum 'Rolf Fiedler' :
98/21C,
33C
Ipomoea cairica : 107/60C
— hieronymi : 107/56
— — var. calchaquina : 107/55C
— plummerae : 115/33C
Ipomopsis aggregata subsp. weberi :
74/5C
Iris of subgen. Hermodactyloides :
112/13
Iris and Potentilla : 48/5C
Iris acutiloba : 01/12; 79/10C; 118/49C
— — ssp. lineolata : 108/9C
— — ssp. longitepala : 118/50C, 51C
— — sensu : 118/48C
— aintabensis : 112/34C, 35, 35C
— albomarginata (syn. I. caerulea) :
15/6C, 13; 112/27
— aphylla : 05/3; 65/22
— atropurpurea : 26/1C
— attica : 18/11
— aucheri : 118/53C, 54C
— — habitat : 118/52C, 54C
— avromanica : 112/54C, 55C
— — description : 112/53
— — flower details : 112/53C
— bakeriana : 108/36, 36C; 112/35C,
36C, 37, 37C; 118/55C
— — albino : 108/37C; 112/38C; 118/55C
— 'Blue Pygmy' : 98/34C
— bulleyana : 115/61C, 62C
— bulleyana white : 115/63C
— caucasica : 46/7C; 99/34C
— chrysographes : 115/64C, 65C, 66C
— chrysophylla : 83/32C
— clarkei : 55/2C, 6, 6C
— cristata : 31/15, 18, 18C
— cuniculiformis : 101/22C
— — seed : 101/22C
— cycloglossa : 34/12C; 48/3C
— danfordiae : 112/16C
— dolichosiphon : 115/68C, 69C
— elegantissima : 101/9C
— fosteriana : 01/12; 108/9C
— galatica : 03/14, 16C
— 'Harmony' : 98/30C
— haynei : 48/7C
— heldreichii : 03/14
— histrio : 112/2C, 32, 33C
— histrioides : 112/31, 31C
— — 'Lady Beatrix Stanley' : 112/31C

INTERNATIONAL ROCK GARDEN INDEX 119

- — seedlings : **14/10C**
- humilis : **18/11**
- hybrid : **34/16C; 112/17C**
- hymenospatha : **03/15, 15C**
- — subsp. leptoneura : **03/15, 15C; 118/56C**
- hyrcana : **112/39, 39C, 40C, 41**
- iberica ssp. lycotis : **118/57C, 58C**
- 'Katharine Hodgkin' : **53/3C; 112/30C**
- kolpakowskiana : **112/18C, 19, 20C, 21C**
- — subsp. kolpakowskiana flower details : **112/21C**
- — subsp. occinica : **112/22C, 23C, 24C**
- — — flower details : **112/22C**
- — — virused : **112/23C**
- kopetdagensis : **01/12; 118/60C, 61C**
- — Dwarf : **118/61C**
- kurbanovii : **112/41, 41C, 42C**
- kurdica : **112/44, 45, 45C**
- — flower details : **112/44C**
- kuschakewiczii : **101/20C**
- lacustris : **31/15, 15C, 16C, 17C**
- — forma albiflora : **31/17C**
- 'Little Grannie Smith' : **98/34C**
- lortetii : **26/2, 2C**
- lutescens : **116/33C, 35, 35C**
- magnifica : **43/17C**
- manissadjianii : **87/22, 22C**
- marivanica : **112/1C, 57C; 118/62, 62C**
- — flower details : **112/55C**
- — habitat : **118/62C**
- — Rukšāns species nova : **112/55**
- — seed capsules : **112/56C**
- — seeds and seedpods : **112/56C**
- — species nova description : **112/56**
- narbuttii : **114/**
- nigricans : **28/1C**
- Pacific Coast seedling : **98/36C**
- pamphylica : **112/15C**
- paradoxa : **05/13C, 14, 14C; 34/15C**
- — forma choschab : **46/8C**
- — forma mirabilis : **09/13**
- parvula : **114/4C, 31C, 32C**
- persica : **03/14, 16C; 16/10**
- pineticola : **65/22**
- planifolia : **03/16C; 87/4C, 5C, 6C**
- — var. alba : **03/16C**
- pseudocaucaucasica : **108/38C**
- pseudopumila : **84/19C; 116/33C**
- pskemensis : **112/27C**
- pumila : **15/11C; 18/11**
- reichenbachiana : **78/24C**
- reichenbachii : **18/11, 11C, 12C; 114/31C**
- — forms : **42/6C**
- — white form : **18/12C**
- reticulata : **89/14C; 112/2C, 46C, 47C; 118/56C, 63C, 64C, 65C**
- — collection : **112/13C**
- — 'George' : **44/7C**
- — in pots : **112/14C**
- — in snow : **100/53C**
- rodeonenkoi : **101/20C**
- rosenbachiana f. nicolai : **02/15**
- — — 'Cormozak' : **02/1C, 15C; 71/19C**
- ruthenica : **97/13C, 14C; 115/67C**
- — forma nana : **02/12**
- sari : **20/5, 5C; 78/21C; 101/8, 8C**
- — subsp. manissadjianii : **87/22, 22C**
- setosa : **56/13C**
- sisianica : **99/1C, 24D, 26C, 27C, 30; 112/43, 43C**
- — bulbs : **99/29C**
- — bulbs & seed pods : **99/28C**
- — bulbs, stoloniferous : **99/28C; 112/43C**
- —, diagnosis : **99/22-23**
- — habitat : **99/33C**
- — herbarium : **99/25C**
- — seeds : **99/26C**
- sopenensis : **112/32, 32C**
- sp. : **21/4C; 42/10C**
- sp. Juno section : **118/59C, 60C**
- stenophylla : **03/14C**
- — subsp. stenophylla : **03/14**
- — subsp. allisonii : **03/14, 15, 15C, 16C**
- stocksii : **15/21C**
- suaveolens : **18/11**
- Iris Table sect Zagricae : **112/59**
- taurica yellow form : **04/20, 20C**
- 'Tinkerbell' : **98/34C**
- trojana : **34/16C**
- tubergeniana : **43/17C**

INTERNATIONAL ROCK GARDEN INDEX 119

- tuberosa : **92/13C**
- unguicularis : **98/28C**
- — subsp. cretensis : **106/40C; 114/77C**
- urmiensis : **09/13**
- vartanii : **112/28C, 29, 29C**
- vicaria : **114/4C**
- warleyensis : **43/17C**
- winkleri : **112/25, 25C, 26C**
- winogradowii : **112/29, 30C**
- zagrica : **112/51C, 52C; 118/66C**
- — flower details : **112/52C**
- — holotype herbarium scan : **112/48C**
- zaprjagajewii : **43/13, 13C**
- zetterlundii : **112/58C, 60C**
- — flower details : **112/57C**
- — species nova : **112/57. 58**
- soetes** histrix : **75/22, 23C**
- Isoplexis** chalcantha : **110/53, 53C, 54C**
- Itea** sp. : **34/6C**
- Ixia** sp. : **104/59C**
- Ixiolirion** tataricum : **15/7, 7C**

- Jaborosa** laciniata : **63/9C; 110/24C**
- volkmannii : **105/68C; 108/66, 66C**
- Jacea** parilica : **20/11**
- Jānis' Athos entry
permit(Diamonētērion) : **59/5C**
- Jankaea** heldreichii : **06/13, 13C, 14, 14C; 25/12, 12C; 47/2, 3C; 71/24; 75/2C**
- heldreichii-4 : **47/4D**
- — Stamp : **47/2C**
- vandedemii : **47/2**
- Jankaerberlea** x panayotii : **47/2**
- Jankaemonda** x jurasekii 'Rudi' : **47/5, 5C**
- Jankaemonda** x stibicii 'Jaromír Stibic' : **47/4C**
- x **Jankaemonda** vandedemii : **25/12C; 47/2, 3D**
- Jankaendron** x stevensiae : **47/2**
- Jankaessandra** x bluemelii : **47/2**
- Jasione** idaea : **12/10**
- Jeffersonia** dubia : **65/24**
- Jovibarba** heuffelii : **14/19, 19C; 22/13; 75/11C**

- — 'Black Star' : **114/44C**
- — 'Cloverdale' : **14/19**
- — 'Sundancer' : **14/19**
- — 'Torrid Zone' : **14/19**
- — blue-green selection : **14/19C**
- — reddish form : **14/19C**
- Juncus** aff. thomsonii : **55/8**
- trifidis : **78/19C**
- Junellia** azorelloides : **105/42C**
- cedroides : **108/63C**
- coralloides : **109/15, 15C**
- patagonica : **51/20C**
- succulentifolia : **51/24, 25C**
- thymifolia : **51/24; 108/64C**
- Juniperus** communis : **16/8, 8C; 78/14**
- horizontalis : **10/9; 16/8**
- Juno** baldshuanica : **43/16C**
- — bud : **43/16C**
- — x rosenbachiana : **43/16C**
- nicolai : **43/17C**
- — bud : **43/16C**
- — flowering under snow : **43/14C**
- popovii, bud : **43/16C**
- rosenbachiana, bud : **43/16C**
- zaprjagajewii : **43/13, 13C, 14, 14C, 15, 16**
- — x rosenbachiana : **43/15C**
- Jurinea** carthalinae : **119/9C**
- humilis : **66/10, 10C**
- Justicia** riojana : **115/23C**

- Kabschia Cultivars, Allendale : **35/14**
- Kalmiopsis** flowers : **19/12C**
- fragrans : **19/12**
- leachiana : **19/12; 25/11, 11C; 69/26, 26C; 71/25**
- — 'Marcel Le Piniec' : **25/11**
- Rocky habitat of the : **19/12C**
- Kelseya** uniflora : **05/6; 10/12; 11/13C; 31/19**
- Kirengeshoma** palmata : **34/4, 5C**
- Kleinia** neriifolia : **110/59C**
- Kolkwitzia** amabilis : **117/67C**

- Lachenalia** aloides : **98/30C**
- viridiflora : **104/60C**
- Lagotis** korolkovii : **109/43C**
- Lakes
Laguna de la Laja : **101/39C, 47C, 50C**

INTERNATIONAL ROCK GARDEN INDEX 119

- Lagunas de Epulafquen : **101/51C**
Lallemantia canescens : **12/2, 2C; 50/8C**
Lamium eriocephalum : **20/9, 9C**
— gargaricum : **46/7C; 75/21**
— — subsp. pulchrum : **20/9**
— — subsp. strictum : **20/9, 9C**
Lapeirousia oreogena : **104/61, 61C**
Larix decidua 'Krejčí' : **05/11, 12, 12C**
— laricina : **16/8, 9C**
Laretia acaulis : **63/5C**
Lathraea clandestina : **21/4C**
Lathyrus laevigatus : **56/6C**
— latifolius : **83/16C, 29C**
— multiceps : **117/27, 27C**
— tingitanus : **87/3**
— vernus : **119/26C**
— — ssp. gracilis : **13/9**
Laurus novocanariensis : **110/49C**
Lavandula canariensis : **110/55C**
— multifida : **87/3, 10C**
— stoechas : **66/3; 81/26, 27C; 87/12, 12C**
Lavatera acerifolia : **110/62C**
Lecanophora heterophylla : **113/6C**
Ledum decumbens : **04/5**
— palustre : **97/1C**
Leontopodium alpinum : **06/4C; 13/7; 15/13C, 15C; 57/13; 65/10C**
— — from Styria : **06/5C**
— — subsp. nivale : **06/5C; 13/7**
— jacotianum : **45/3C**
— Mignon' : **06/4C**
— pusillum : **02/12**
— souliei : **27/5**
Leopoldia comosa : **92/14C**
Lepidium nanum : **10/20**
Leptinella atrata : **18/7, 8, 8C**
— — ssp. luteola : **18/8**
— dendyi : **18/8**
Leptodermis sp. : **115/72C**
Leptosiphon nuttallii subsp. *nuttallii* : **74/8, 8C**
Lesquerella alpina : **11/15C**
— tumulosa : **10/13**
Leucadendron album : **80/1C, 13C**
— calligerum : **80/11C**
— gandogeri : **80/12C**
— radiatum : **80/11C**
— spissifolium ssp. *spissifolium* : **80/5**
— strobalinum : **80/3C**
Leucanthemopsis alpina : **15/13C**
Leucanthemum integrifolium : **04/6, 6C**
Leucheria candidissima : **105/40, 41C**
— salina : **113/19C**
— tenuis : **103/35, 36C**
Leucocoryne coquimbensis : **94/10C**
— dimorphopetala : **104/7, 7C**
— ixioides : **103/28C, 29**
— narcissoides : **94/11C; 104/36C**
— odorata : **103/28C**
— — habitat : **103/51C**
— purpurea : **94/23C**
Leucogynes grandiceps : **06/5C**
— leontopodium : **06/5C**
Leucojum aestivum : **76/2, 13; 103/11C**
— — subsp. *aestivum* : **76/13**
— — — 'Gravetye Giant' : **76/13, 13C**
— — — 'Nancy Lindsay' : **76/14, 14C**
— — subsp. *pulchellum* : **76/13C**
— 'kaum Zeichnung' : **76/8, 8C**
— Pests & Diseases : **76/15**
— vernum : **76/1C, 2, 2C, 10C**
— — 'Butter-churn' : **76/3, 3C**
— — 'Eva Habermeier' : **76/4, 4C**
— — 'Tentacular' : **76/4, 4C**
— — var. *carpathicum* : **76/3, 3C**
— — — 'Gertrude Wister' : **76/4, 4C**
— — — 'Golden Bell' : **76/5, 5C**
— — — 'Podpolozje' : **76/5, 5C**
— — var. *vagneri* : **76/3**
— — — 'Lothar' : **76/8, 8C**
— — var. *vernum* : **76/3, 3C, 12C**
— — — 'Green Lantern' : **76/5, 5C**
— — — 'Hoch die Tassen' : **76/5, 5C**
— — — 'Janus' : **76/7, 7C**
— — — 'Milly' : **76/6, 6C**
— — — 'Null Punkte' : **765/6, 6C**
— — forms : **76/11C**
— — un-named : **76/9C**
— — Vagneri Group : **76/6, 6C**
Leucothoe catesbaei : **34/8**
Lewisia columbiana : **46/5**
— cotyledon : **08/14; 18/16C; 31/13C; 32/12C; 44/6C; 77/17C; 109/17C**
— — var. *heckneri* : **46/5**
— nevadensis : **56/11, 11C; 74/4; 110/97C**
— 'Norma Jean' : **46/2 – 4, 2C – 4C**

INTERNATIONAL ROCK GARDEN INDEX 119

- rediviva : **10/19, 19C; 74/10; 96/3, 96/4C, 5C, 6C, 7C, 8C**
- — growing : **96/2**
- — habitat : **96/2C**
- — var. minor : **10/21, 22**
- — seed capsule : **96/3C**
- — seedling : **96/4**
- — October leaf growth : **96/5C**
- — white form : **96/6C**
- triphylla : **74/4, 4C**
- tweedyi : **21/16; 22/6; 87/25C**
- Ligularia** cuneifolia : **103/52C, 53C**
- Ligusticum** porteri : **74/8**
- scoticum : **70/10, 10C**
- Lilium** bolanderi : **31/6C, 7, 7C, 12, 12C; 33/10C**
- bulbiferum : **21/5C**
- callosum : **31/7**
- columbianum : **31/9, 10C; 33/10, 10C, 13, 14C, 17C; 69/29C**
- — and redwood : **31/10C**
- humboldtii : **32/3**
- — var. ocellatum : **32/3, 3C**
- Hybrids in habitat : **32/6C**
- kelloggii : **31/3, 4C, 9, 12C; 33/10**
- — — White Form : **31/12C**
- lophophorum : **56/7C**
- maritimum : **31/2C**
- martagon : **19/8**
- — var. pilosiusculum : **97/15C, 16C**
- nanum : **55/12, 18**
- nepalense : **55/6, 23**
- occidentale : **31/3, 3C, 9; 33/10C**
- pardalinum : **31/2, 4, 4C, 6, 6C, 11; 32/5; 33/10, 11C**
- — subsp. shastense : **32/5C**
- — subsp. vollmeri : **31/10, 11, 11C; 33/10**
- parryi : **32/2C**
- parvum : **32/4, 4C**
- pumilum : **14/2; 65/24; 97/15C**
- pyrenaicum : **56/3C; 77/1C, 3C**
- rubescens : **31/5C**
- sherriffiae : **55/7, 7C, 21, 21C, 25C**
- wallichianum : **55/23**
- wardii : **36/5, 5C**
- washingtonianum : **31/8, 8C; 32/3C, 4C; 33/13**
- — & habitat : **31/8C**
- — var. purpurascens : **31/12, 12C; 33/12C**
- Limburg Flag : **37/5C**
- Limestone canyons (ex quarries) : **18/9C**
- outcrop : **18/9C**
- Limodorum** abortivum : **84/30, 30C, 31C; 89/42C**
- Limonium** albidum subsp. cypricum : **91/18**
- cypricum : **91/18, 18C**
- sinuatum : **91/18, 18C**
- Linaria** alpina : **13/6; 57/13; 77/9, 9C**
- — subsp. filicaulis : **19/7**
- michauxii : **118/1C**
- — habitat : **118/66C**
- schirvanica : **119/10C**
- supina : **19/7**
- Linnaea** borealis : **06/17, 17C, 18, 18C, 19C; 38/2C**
- — subsp. americana : **37/19**
- — subsp. borealis : **37/19, 19C**
- Linum** altaicum : **15/6, 6C**
- aretioides : **05/18; 08/7; 12/4**
- boissieri : **12/4, 4C, 9; 78/24C**
- capitatum : **22/14; 78/25C**
- cariense : **05/18, 18C; 23/5, 5C, 6**
- — habitat : **23/6C**
- — pin : **23/6C**
- mucronatum subsp. armenum : **30/14C**
- olgae : **15/6**
- olympicum : **15/17C, 18C, 17-19**
- punctatum : **84/22C**
- pycnophyllum var. kurdicum : **46/6**
- suffruticosum : **66/17C**
- Listera** cordata : **37/19**
- Lithocarpus** densiflora : **31/7**
- Lithodora** diffusa : **19/5, 5C**
- — 'Heavenly Blue' : **08/16, 17C; 65/14C**
- — 'Picos' : **19/5**
- hispidula subsp. versicolor : **91/9, 9C**
- zahonii : **01/13**
- — 'Ness Blue' : **04/20**
- Lloydia** flavonutans : **55/8, 13C, 18, 21C**
- ixiolirioides : **45/16, 17C**

INTERNATIONAL ROCK GARDEN INDEX 119

- Loasa placei** : 103/38, 38C
— prostrata : 103/36, 37C
— tricolor : 110/8C
Lobelia cardinalis 'Huntsman' : 34/5
— — 'Queen Victoria' : 34/5
— sp. : 34/4C
— tupa : 107/38
Lobularia maritima : 87/12, 13C;
Loiseleuria procumbens : 13/3; 37/15:
78/13C
Lomelosia pulsatilloides : 66/15; 94/28,
28C
— — habitat : 94/29C
Lonicera caerulea : 97/14C
— — subsp. altaica : 97/15C
— crassifolia 'Little Honey' : 82/16C
— fragrantissima : 87/4
— periclymenum : 98/21C
— sempervirens : 98/24C
Lotus corniculatus : 70/8, 8C, 9C, 17C
— glinoides : 110/57C
— aff. tetragonolobus : 75/19
Lousewort : 21/3, 6
Ludwigia peruviana : 107/45C
Lupinus angustifolius : 81/29
— arcticus : 04/3
— argenteus : 74/8
— aridus : 10/22
Lychnis alpina : 16/5; 78/8, 8C
Lycopodium annotinum : 78/16C
— clavatum : 58/10; 78/15, 17C
Lysimachia japonica : 82/18, 18C
Macfadyena unguis-cati : 98/20C
Macroglossum stellatarum : 03/11C
Madia elegans : 83/6C, 20C
Magnolia globosa : 55/6
— liliiflora 'Susan' : 42/6C
Mahuenia patagonica : 63/6C
Maianthemum cf. tatsienense : 39/8
Maianthemum oleraceum : 55/7
Maihuenia poeppigii : 51/19, 19C
Malacothrix glabrata : 100/14C
Malesherbia humilis var. parviflora :
94/15C
— paniculata : 111/18C
Malus x purpurea 'Lemoinei' : 98/18C
Malva canariensis : 110/62C
Mandevilla laxa : 107/41C, 42C;
115/6C
Mandragora caulescens : 39/9C
— officinarum : 89/38C
Maps
Altai mountain ranges : 50/7M
Anemone banketovii – distribution :
107/14M
Argentina : 105/27M
Argentinian provinces : 108/91M
Atacama Distribution Map : 104/38M
Atacama Region : 104/4M
Atacama Region N. : 104/21M
Argentina, La Rioja Province:
115/36M
Argentina, NW : 115/4M
Bhutan : 55/2M
Campanula coriacea Distribution :
74/33M
Campanula hedgei Distribution :
74/33M
Campanula radula Distribution :
74/33M
Catamarca & Tucumán provinces :
107/30M
Cerro Crestón : 106/6M
Chacabuco Pass : 103/27M
Chile : 94/6M; 104/3M
Chile, central : 103/26M
Chile, central southern : 101/49M
Chilecito to Mina : 115/38M
Chile Valpariso Region : 102/3M
Cistanthe floresiorum : 111/31M,
32M
Corydalis ainae : 109/31M
Corydalis schangini : 109/31M
Crete : 43/4M
Crocus cappadocicus : 108/32M
Crocus kotschyanus sensu lato :
108/45M
Crocus karduchorum : 108/35M
Crocus kotschyanus : 108/39M
Crocus ochroleucus : 108/53M
Crocus suworovianus : 108/28M
Crocus Map 1 : 64/7M
Crocus Map 2 : 64/11M
Crocus Map 3 : 64/15M
Crocus Map 4 : 64/24M
Crocus Map 5 : 64/30M
Crocus mazziaricus : 74/18M
Crocus munzurensis map :
102/21M
Crocus youngii map : 102/21M

INTERNATIONAL ROCK GARDEN INDEX 119

- Cyprus : **91/5M**
Eranthis iranica : **108/19M**
Erythronium in the Sierra Nevada :
69/44M
Fessia Distribution Map : **113/52M**
Fessia olangensis Distribution :
113/62M
Gargano peninsula : **116/23M**
Geographic Range Erythronium
montanum : **69/34M**
Georgia and Armenia : **61/6M**
Georgia, Crocus adamii locations :
61/9M
Gran Canaria : **110/44M**
Irises Iran : **61/3M**
Irises Distribution map of : **112/50M**
Iris kolpakowskiana subsp. occinica :
112/18M
Iris kolpakowskiana subsp.
kolpakowskiana : **112/18M**
Iris sisianica distribution : **99/29M**
Iris winkleri : **112/18M**
Karpathos : **90/5M**
Kefalonia : **114/57M**
La Rioja Province : **108/59M**
Los Libertadores Pass : **113/3M**
Malargüe Dept : **110/31M**
Mendoza : **113/48M**
Mendoza Province : **113/37M**
Mendoza, Potrerillos : **113/47M**
Neuquén : **106/32M**
Neuquén province : **106/4M;**
108/91M
northern Neuquén Province : **106/5M**
Rhodes : **89/19M; 99/10M**
Saffron Walden : **92/25M**
Sicily : **84/11M**
South America : **106/2M**
Tucumán Province : **107/48M**
Viola abbreviata distribution :
110/28M, 29M
Viola abbreviata locations : **110/27M**
Viola distribution : **106/18M**
Viola Map : **113/41M**
Viola xzwienanii : **113/37M**
Viola rosulata sites : **106/33M**
Viola rubromarginata sites : **106/10M**
Viola rubromarginata sites : **106/11M**
Viola trochlearis sites : **106/13M**
Viola xanthopotamica : **115/36M**
World Distribution of Viola yellow :
110/34M
Malcomia chia : **114/78C**
Mastigostyla spathacea : **115/31C**
Matricaria chamomilla : **70/20, 20C**
Matthiola fruticolosa : **84/20, 20C**
— — subsp. perennis :
19/6C
— lunata : **81/12, 12C**
— montana : **05/12, 12C**
— tricuspidata : **09/10, 10C, 11**
— trojana : **12/3**
Matteucia struthiopteris : **119/43C**
Maurandya antirrhiniflora : **115/26C,**
27C
Meconopsis aculeata : **36/7**
— baileyi : **56/8C**
— bella : **55/11, 18, 18C, 19**
— delavayi : **09/9, 9C**
— grandis : **36/2C**
— horridula : **55/8, 9, 10, 13; 56/8C**
— integrifolia : **101/10C**
— 'Lingholm' : **101/10C**
— lyrata : **55/21**
— paniculata : **36/2C; 55/8, 16, 17C, 20**
— primulina : **55/7**
— pseudointegrifolia : **39/9C**
— sherriffii : **55/16C, 18**
— simplicifolia : **55/7, 21**
— sinuata : **55/12, 21**
— sp. : **36/7C**
— staintonii : **36/6, 6C**
— villosa : **55/7**
Melampyrum pratensis : **37/23**
— sp. : **37/19**
— sylvaticum : **37/23**
Melanthium – see also Veratrum
Melanthium fimbriatum : **62/14, 14C,**
15C,
17
— hybridum : **62/16C**
— tepals : **62/18D**
— virginianum : **62/17**
Mendoza herbarium : **110/25C**
Menodora decemfida : **103/51;**
113/11C
— linoides : **103/50, 52C**
Menonvillea filifolia : **104/32C**
— nordenskjöldii : **111/53C**
Menyanthes trifoliata : **78/11, 13C**

INTERNATIONAL ROCK GARDEN INDEX 119

- Merendera** attica >>> Colchicum
atticum
Merendera montana>>>Colchicum
montanum
Merendera attica : 12/12, 12C
— kurdica : 46/10C
— montana : 57/22C
Mertensia alpina : 95/7, 7C
— brevistyla : 74/6
— maritima : 38/5, 5C; 70/15C, 16C
— — subsp. tenella : 44/11, 11C
— primuloides : 87/21C, 22
Mesembryanthemum : 110/94C
— crystallinum : 81/34
— Hybrid : 110/95C
Metasequoia glyptostroboides : 36/4
Mibora minima : 75/23C
Michauxia tchaihatcheffii : 09/13
Millium effusum 'Aureum' : 46/13
Mimetes cuculatus : 80/9, 9C
— pauciflorus : 80/9C, 10
'Mimulus' colony : 117/21C
Mimulus guttatus : 70/28C, 29, 29C,
30,
30C
— lewisii : 33/17; 74/4
— moschatus : 74/4, 4C
Minuartia attica : 75/8, 9C
— garckeana : 12/10
— marcescens : 16/5, 5C
— obtusiloba : 11/11C, 12, 14C
— pseudosaxifraga : 75/20C
— rubella : 78/5C, 6
— sedoides : 78/3C
— sp. : 15/10
— verna : 15/17C
Mirabilis elegans : 104/34C
Mistletoe : 21/3
Mitraria coccinea : 47/9, 9C, 9D; 58/12,
13C
Miyakea integrifolia = Pulsatilla
integrifolia
Miyakea integrifolia : 02/8, 8C, 9, 9C;
12/16, 16C
Moltkia coerulea : 16/10, 10C
— petraea : 08/17C; 12/14; 105/21C;
114/43C; 117/68C
— suffruticosa : 35/10
— — subsp. bigazziana : 35/12C
Molucella laevis : 103/48, 48C
Moneses uniflora : 38/2C
Montiopsis cistiflora : 105/36C, 40,
40C; 110/7C
— gayana : 117/34, 34C
— trifida : 103/36C
Moraea atropunctata : 104/61C, 62C
— ciliata : 104/63C
— herrei : 104/63C
— papilionacea : 104/63C
— setifolia : 104/64C
— sisyrinchium : 81/27, 36C
— tricolor : 104/63C
— tulbaghensis : 104/63C
— villosa : 104/64C
Moricandia arvensis : 81/12, 12C;
87/12,
13C
Morisia hypogea : 17/4
— monantha : 09/11
— monanthos : 103/20, 20C
Moss campion : 78/3C
Mountain avens : 78/9C
Mountain pansy : 78/10
Mountains, Hills & Valleys :
Ala Dag –habitat : 03/5C; 12/10;
16/9C, 10
Alpujarras : 87/2
Ali Botusch Mts. Bulgaria : 03/11C
Andes of Atacama Region :
108/58C
Andes of Mendoza : 113/20C
Arrowsmith Massif : 21/19; 29/6
Bai Ma Shan, Yunnan : 02/5C
Bakuriani mountains : 119/28C,
30C
Batang Mts. : 02/12C
Batea Mahuida : 51/19, 19C
— — View from : 51/13C
Beauty Slope : 02/15C; 04/19C;
05/16,
16C; 12/19, 19C; 18/10C
Beauty Slope under Snow : 01/13C;
02/14C
— Zdeněk Zvolánek's Garden :
05/19C
Belgian Ardennes : 37/9
Bighorn Mts. : 11/7
Bimar Mountain : 16/13C
Binboga Mts : 12/13
Bolkar Dag: 01/C10, 11C
Bolkar Daglari : 23/2
Boz Dag : 40/3C

INTERNATIONAL ROCK GARDEN INDEX 119

- Bozdag Ridge : **40/4**
Bozdag tops : **40/4C**
Burbank Hills : **10/13, 14C**
Cape Fold Mountains : **80/3**
Cascade Mountains : **33/10**
Caucasus Mountains : **65/25, 25C**
Cerro Aconcagua : **63/6C**
Cerro Atravesada : **108/67C, 69C**
Cerro Atravesada ridge : **108/64C**
Cerro Belgrano : **115/17C**
Cerro Catedral : **51/5; 111/51C**
Cerro Chapelco : **111/59C**
Cerro Chaulualco : **63/2**
Cerro Colohuincul : **51/17**
Cerro Colohuincul, Ridge of :
51/18C
Cerro Colorado ridge : **111/63C**
Cerro Colu Huincu : **111/65C**
Cerro Corona : **63/5C**
Cerro Gloria, north from : **63/6C**
Cerro La Ventana : **108/82C**
Cerro Mesada : **115/34C**
Cerro Negro : **110/14, 18C**
Cerro Wayle : **110/10C**
Chartreuse Massif : **19/14**
Cima Cavignon : **13/6**
Cinque Torre — natural rock
garden :
35/5C
Col de Gleize : **19/16**
Col de Marchairuz : **13/15**
Cordillera mountains : **21/12**
Corvara – Dolomites : **35/1C**
Dedegol Daglari : **23/2, 9**
Dedegol Tepesi : **23/2, 2C**
Dedegül, mountain Turkey : **23/2;**
32/12
Dikti Mountains : **106/34C**
Dinaric Mountains of Montenegro :
22/11
Dishman Hills : **69/21C**
Dogtooth Rock : **69/35C**
Dolomites, The : **21/4**
Dolomites, Ridge in the : **13/2C**
Dolomitic limestone peaks : **19/2C**
Duncum Mountain : **11/8, 8C**
Durmitor Massif : **22/11**
Durmitor : **22/11C**
Eagle Mountains : **22/6**
El Tepe : **08/7C**
Emli Valley : **20/7C**
Emli Valley in Ala Dag : **20/4**
Erciyes Dag : **12/10**
Falakro Mts. : **20/13**
Fuente Dé : **19/3C**
Ganesh Himal : **45/2C**
Gök Pinar : **30/12**
Göldağ : **40/7**
Göldağ peak : **40/7C**
Golden Hinde : **50/14**
Goljam Carev Vrah – peak : **20/10**
Granite Alps near Mont Cenis :
71/16C
Grigna Mts : **71/17**
Grizzly Peak : **69/32**
Hat Rock, Oregon : **19/10C**
Heart Mountain, Wyoming : **31/19**
High Atlas Mountains : **23/18**
Higley Peak : **69/58C**
Illahee Rock, View from : **69/27C**
Julian Alps, Slovenia : **22/3**
Karawanken mountain range :
28/12
Kärkevagge Valley : **37/10C, 21,**
21C
Kaz Dag : **19/17**
Kings Hill Peak : **11/6**
Komovi Mts. in Montenegro :
20/14C, 16
Küpe Dag : **23/9**
Laguna del Maule : **117/36M**
Land Above Paril : **20/10**
Langtang Lirung : **45/6C**
Lassen Peak : **29/3**
Latemar Group : **13/6**
Low Andes : **94/11C**
Low Andes, NE Copiapó : **94/14C**
Manzano mountains : **21/14**
Massif of Maglič : **22/11**
Medicine Mountain : **11/10C**
Miranda de les Agulles : **33/8**
Monte Baldo : **26/2**
Monte Barla : **35/12C**
Monte Nudo : **13/8**
Monte Sagro, Alpi Apuani : **35/10C**
Monte Zeballos : **32/15**
Montgrós : **33/8**
Montseny Massif : **86/3**
Mount Aconcagua : **103/55C**
Mt. Ararat : **30/12C**

INTERNATIONAL ROCK GARDEN INDEX 119

- Mt. Argaeus : **12/10**
Mt. Bobotov Kuk : **22/12, 12C**
Mt. Charmant Som : **19/14**
Mt. Cook : **06/5C; 58/12C**
Mount Etna : **84/27C**
Mt. Fišt : **26/16**
Mt. Hebo, Summit Ridge : **69/29C**
Mt. Hoch Obir : **78/21**
Mt. Ida (Kaz Daglari) : **12/3; 19/17**
Mount Jefferson : **33/13C**
Mount Kajmakcalan : **75/8**
Mt. Lassen : **11/6**
Mount Lauro : **84/27**
Mt. Matterhorn : **11/4**
Mount Menalo : **26/7**
Mt. Montserrat : **33/8**
Mount Moriah : **11/3**
Mount Nuolja : **37/15, 16C, 19**
Mt. Ošten : **26/16**
Mt. Prutaš : **22/11, 11C, 12**
Mt. Shasta : **29/2; 100/50C**
Mt. St. George : **04/3C**
Mt. St. Helena : **69/12C**
Mount Trevenque : **66/2, 2C, 17C**
Mount Usher : **34/8**
Mt. Veleta : **39/15C**
Mt. Vichren : **97/25, 25C**
Mt Washington : **11/3**
Mount Wheeler, Nevada : **11/2C**
Mount Zirkle : **74/4**
Newfoundland
 Blow-me-Down Mountains : **16/4**
 Serpentine Barrens : **16/3, 3C**
 Tablelands : **16/4**
 White Hills : **16/4**
Obir Peak : **28/12C**
Olta : **81/2C**
Paddus : **37/15, 16**
Palandoken Mts : **30/16**
Paril Pass : **20/10**
Passo San Pellegrino : **13/3**
Passo di Selle : **13/3**
Patagonia Views : **51/2C**
Penon de Ifach : **81/2C, 6C**
Picos de Europa : **21/4**
Picu Sur : **32/15**
Pirin mountains : **97/2**
Primeros Pinos : **105/63C**
Psiloritis : **67/2C**
Puerto de las Palomas : **81/31C**
Puigmal de Llo : **77/2C**
Puigmal Range : **77/2, 10C**
Ruby Mountains : **11/4**
Sala de Pallars : **33/9San**
Bernardino Mountains : **21/13**
San Gabriel Mountains, Mt. Wilson : **21/13**
Sandia Crest : **21/13**
Sandia mountains : **21/14**
San Gabriel Mountains : **32/3**
Santa Rosa Mountains : **21/15**
Santiam Pass, Oregon Cascades : **33/12C**
Sant Jeroni : **33/8**
Sayan Mountains : **97/2**
Scardus : **16/17**
Shar Dagh(Sharr Mountains) : **16/17**
Sheep Mountain : **11/6**
Shisa Snow Mountain : **47/18**
Sierra Famatina : **107/29C; 115/10C, 14C, 22C**
Sierra Madrona : **81/29C**
Sierra Mágina : **81/34**
Sierra Nevada : **29/3; 87/2, 8C**
Sipikor Mountains : **12/2**
Siskiyou Mountains : **69/32C**
Skanderna : **37/10**
Slavyanka Canyon : **20/13C**
Slavyanka Mts. : **20/13**
Snake Range, Sunset above the : **11/3C**
Snowy Range Pass : **11/10**
Solana del Pinos : **81/28C**
Spil Mountains : **52/7**
Steptoe Butte, View east from : **69/18C**
Sultan Dag : **23/2**
Taygetos Mountains : **26/4**
The Cascades : **19/10**
Trenta Valley, Slovenia : **22/5**
Triglav, Slovenia : **22/5**
Trinity Alps : **29/4**
Trinity Mountains : **69/42C**
Ulu Dag : **12/3; 20/18C**
Val de Nuria : **77/3**
Valley of Valcuvia : **13/8**
Vancouver Island Ranges : **50/2**
Varese, Southern Alps : **13/9**
Vercors Massif : **19/15**
Volcán Antuco : **101/47C**

INTERNATIONAL ROCK GARDEN INDEX 119

- Volcán Batea Mauda : 51/4, 12
Volcán Copahue : 51/20
Volcan Longaví : 105/28C
Volcán Tromen : 51/9
Vranica Mts. : 20/17
Waha Mountains : 39/4
Wah Wah Mts., Utah : 10/7C
Wenatchee Mountains : 21/16
White Mountains : 11/5
Yosemite Valley : 32/5C
Zahnkofel : 27/16C
- Mukdenia rossii** : 25/22
- Mulinum spinosum** : 51/22C
- Muscari botryoides** : 98/31C
— bourgaei : 12/10; 16/11
— coeleste : 20/8C
— comosum : 92/14C
— mcbeathianum : 09/13, 15C; 26/19
— neglectum : 81/25, 25C; 87/7C
— szovitsianum : 119/23C
— sp. : 40/12C
- Musical Interlude : 41/24C
- Mutisia cana** : 111/6C
— kurtzii : 107/33C
— — var. anomala : 115/30C
— retrorsa : 51/21; 113/10C
— spinosa : 51/19, 19C
— subspinosa : 113/9C
- Mycenaeae ring : 92/22C
- Mycorrhizal** partnerships : 14/18
- Myosotidium hortensia** : 58/12C
- Myosotis alpestris**: 01/6, 6C; 15/14C
— sp. : 35/9C
- Myostemma mendocinensis** : 105/30,
31C; 110/6C
— montana : 105/43C
- Mystropetalon thomii** : 80/9C
- Nanorrhinum scoparium** : 110/60C
- Narcissus albidus** : 36/18C
— — subsp. occidentalis : 23/18C
— assoanus : 05/15, 15C; 81/19C
— asturiensis : 19/5
— bulbocodium : 23/14, 15, 15C;
53/7C, 8; 85/22C, 23C, 24C
— — var. conspicuus : 23/14C
— — 'Golden Bells' : 23/14
— — hybrids : 23/16C
— — subsp. nivalis : 09/11; 23/15, 15C,
16C
— — obesus : 34/13
— — var. pallidus : 23/21C
— 'Camoro' : 23/23C
— canaliculatus : 98/31C
— cantabricus : 23/21, 21C
— — var. foliosus : 23/21C
— — subsp. monophyllus : 23/23
— — petunioides : 09/12C; 115/85C
— 'Craigton Gem' : 23/23C
— cyclamineus : 53/8, 8C
— — hybrids : 53/8, 8C
— 'Don Stead' : 23/24C
— dubius : 81/1C, 18C
— 'en masse' : 23/24C
— Flower structure : 23/13C
— x fosteri : 85/29, 29C, 30C, 31C
— gaditanus : 87/11, 11C
— hedraeanthus : 85/24C
— — hybrid : 85/26
— — hybrid, long scape : 85/26C
— — hybrids : 85/25
— — tiny : 85/25C
— 'hoop petticoat' in variety : 23/22C
— hybrid from 'Camero' : 23/1C
— jeanmonodii : 23/18C
— 'Jetfire' : 98/26C
— longispathus : 85/27, 28C
— x maginae : 85/31C
— x montielanus : 57/20C
— poeticus : 77/3, 4C; 116/43C, 44C
— romieuxii : 23/17, 19, 20C, 23;
98/29C
— — subsp. albidus : 36/18C
— — 'Julia Jane' : 09/11, 12C
— — ex JCA805: 09/1C, 11C
— — JCA 805: 09/11; 23/20C
— — JWB 8913 : 23/17C
— — var. mesatlanticus : 23/17C
— rupicola : 101/22C
— x rupidulus : 85/32, 32C
— seeds & seedling bulbs : 23/14C
— serotinus : 26/9, 9C
— 'Solveig's Song' : 85/29
— 'Snipe' : 53/9C
— x susannae : 23/20C; 85/1C, 32,
32C
— tazetta : 59/12, 12C; 81/18, 18C;
103/11C
— 'Tête-a-Tête' : 98/32C
— triandrus : 21/11C

INTERNATIONAL ROCK GARDEN INDEX 119

- — cernuus: **85/1C**
- Variation and Hybrids : **85/22**
- Winter flowering : **23/13**
- zaianicus var. lutescens : **36/17C**
- Narthecium ossifragum** : **38/7C; 78/12C**
- Nassauvia axillaris** : **113/22C**
- lagascae : **51/11C**
- — var. lagascae : **105/47C, 48**
- — var. lanata : **63/3C**
- — — forma solitaria : **105/47C, 55C, 72**
- revoluta : **51/11**
- — & Habitat : **51/11C**
- Nastanthus patagonicus** : **51/23C**
- National Parks
 - Langtang National Park : **45/2**
 - Parc Natural del Montseny : **86/3C**
 - Perito Moreno National Park : **32/15**
 - Yosemite National Park : **32/4**
- Natural Gardens**
 - Crevice Gardens — Dolomites : **35/5C**
 - Dolomites — mini-garden : **35/7C**
 - Dryas, Salix & Silene acaulis : **35/6C**
 - Mixed Natural Plantings : **35/4C**
 - Natural Cliff Planting Gargano Peninsula : **35/8**
 - Natural Rock Garden — Chamonix : **35/2C**
 - Natural rock garden : **101/26C**
 - Sedum** sp. & **Saxifraga** sp. : **35/7C**
 - Sempervivum** Paradise : **35/9C**
- Neotinea commutata** : **67/2**
- conica : **67/2**
- corsica : **67/2**
- lactea : **67/2, 67/7, 7C; 84/37, 37C; 89/38C; 103/7; 114/59, 59C; 116/48, 48C**
- maculata : **67/2; 89/37C; 91/13, 13C; 103/8, 8C; 110/48C; 114/60C**
- tridentata : **67/2, 67/7, 7C; 84/24, 24C, 37; 89/38**
- ustulata : **67/2; 116/48C**
- Nerine filifolia** : **98/44C**
- Neviusia cliftonii** : **69/49, 62**
- Nicotiana** paa in flower : **115/21C**
- Nigritella nigra** : **22/13**
- sp. : **21/6**
- Noccaea fendleri** : **74/6**
- Nolana acuminata** : **111/9C**
- baccata : **94/16C**
- filifolia : **111/14, 14C**
- rostrata : **94/16C**
- Nonea nigricans** : **81/10**
- vesicaria : **81/10, 11C**
- Northern Lights : **37/11C**
- Nothofagus obliqua** : **51/24**
- pumilo : **51/16, 16C**
- Notholirion macrophyllum** : **55/23**
- Nothoscordum andicolum** : **107/54C**
- Nototriche habitat** : **115/20C**
- niederleinii : **115/20C**
- pygmaea : **119/81C**
- sp. : **115/19C**
- Nyssa sylvatica** : **34/6, 8**
-
- Oblong woodsia : **78/6, 6C**
- Ochetophila nana** : **117/23C, 24**
- Oenothera caespitosa** : **10/3, 12C, 21, 22; 11/3**
- howardii : **10/21, 21C**
- odorata : **113/21**
- versicolor : **115/17C**
- Oldenbergia paradoxa** : **80/9C**
- Olearia semidentata** : **58/12C**
- Olsynium bodenbenderi** : **105/29C; 117/33, 33C**
- douglasii : **63/16, 17C; 69/8, 18**
- frigidum : **105/51C; 117/32, 32C**
- — habitat: **105/50C**
- junceum : **51/7, 7C; 102/37C; 111/59, 59C**
- — pink : **51/21C**
- philippii : **117/27; 27C**
- scirpoideum : **103/33, 34C**
- Onobrychis cornuta** : **23/7, 7C; 46/8C**
- — foothills : **118/49C**
- Onosma albo-roseum** : **20/6C**
- armena : **119/ 24C**
- bracteosa : **12/10**
- echioides subsp. canescens : **84/22C]**

INTERNATIONAL ROCK GARDEN INDEX 119

- nana : **20/7C**
- simplicissima : **65/22**
- sp. : **23/8C**
- tricerosperra : **66/17**
- Onuris** graminifolia : **111/53C, 54C**
- Ophiocordyceps** sinensis : **39/9, 10C**
- Ophioglossum** lusitanicum : **75/24, 24C**
- Ophrys** alasiatica : **91/21, 21C, 22C**
- annae : **103/7, 7C**
- apifera : **19/7; 43/9C; 84/33, 33C**
- apollonae : **89/24**
- aprilis : **103/4, 4C**
- apulica : **116/26, 26C**
- arachnitiformis : **116/24**
- archimedeae : **84/19, 19C**
- archipelagi : **116/28, 28C**
- — x *O. garganica* : **116/29C**
- ariadnae : **43/6, 6C; 67/8, 8C, 9**
- attavira : **89/31, 31C**
- attica : **91/6, 6C; 114/70, 70C**
- bertolonii : **84/29, 29C, 30, 30C; 101/35C; 116/50C**
- bertoloniiformis : **116/50, 51C**
- basilissa : **89/24, 24C**
- biancae : **84/28; 101/38, 38C**
- biscutella : **116/29C, 30, 30C**
- blitopertha : **89/32, 32C**
- bombyliflora : **67/3, 3C; 101/34, 34C; 103/3, 3C; 114/59C; 116/47C**
- bornmuelleri : **91/15, 16C**
- boryi : **43/10, 10C**
- caesiella : **101/36, 36C**
- — calypsus : **89/40, 40C**
- — var. pseudoapulica : **89/40, 40C**
- candica : **67/10C; 89/25, 25C**
- — subsp. minoa : **89/25C**
- cephalonica : **114/57, 58C**
- chestermannii : **103/5, 6C**
- cinereophila : **89/34, 34C; 91/10, 10C**
- conradiae : **103/16, 16C**
- cornutula : **89/29, 29C**
- cressa : **89/33, 33C**
- cretica : **43/1C, 5C, 6, 6C; 67/8, 8C, 9**
- dodekanensis : **89/29, 29C**
- elegans : **91/14, 14C**
- eleonora : **103/24, 24C**
- episcopalis : **43/3, 3C; 67/15, 15C; 89/41, 41C**
- exaltata : **101/31, 31C**
- explanata : **101/35C, 36, 36C**
- ferrum-equinum : **89/20C, 21, 21C; 114/66, 66C**
- — var. gottfriediana : **114/67C**
- flammeola : **84/18, 18C**
- flavomarginata : **91/6, 6C**
- funerea : **103/23, 23C**
- fusca : **67/2; 87/9C, 12C**
- fusca/luteacomplex : **114/73**
- — subsp. attavira : **89/31**
- — subsp. bilunulata : **81/20, 20C**
- — subsp. blitopertha : **89/32**
- — subsp. cinereophila : **89/34**
- — subsp. creberrima : **67/11, 11C**
- — subsp. cressa : **89/33**
- — subsp. dianica : **81/21C**
- — subsp. fusca : **81/20, 20C**
- — group : **67/11**
- — subsp. parvula : **89/32**
- — subsp. persephonae : **89/33**
- gackiae : **101/37, 37C**
- garganica : **101/33, 33C, 34C; 116/24, 24C, 25C**
- grammica : **114/58, 58C**
- grandiflora : **101/37C**
- grigoriana : **67/12, 12C**
- heldreichii : **26/4C; 43/2, 2C**
- herae : **43/12; 67/9, 9C; 91/22, 22C**
- heterochila : **89/39**
- incubacea : **84/38, 38C; 101/1C, 33, 33C; 103/12, 12C; 116/32, 32C**
- iricolor : **43/12, 12C; 67/11, 11C; 89/34; 89/34, 34C; 114/65, 65C, 66C**
- israelitica : **91/11, 10C**
- kotschy : **91/29, 29C**
- lacaitae : **84/12, 12C**
- lapethica : **91/7, 7C**
- laurensis : **84/28, 28C**
- leochroma : **89/25, 25C**
- lepida : **103/22, 22C**
- leucadica : **114/74, 74C**
- levantina : **91/15, 15C**
- lojaconoi : **116/35, 35C, 36C**
- luentina : **81/21C**
- lucifera : **116/36C, 37, 37C**
- lunulata : **84/28; 101/30C, 31, 31C**

INTERNATIONAL ROCK GARDEN INDEX 119

- lupercallis : **114/75, 75C**
- lutea : **81/22, 22C, 36C; 84/16C; 89/23; 116/39, 39C**
- mammosa : **43/12, 12C; 67/9, 9C; 89/26C; 91/21, 21C**
- mavromata : **114/82, 82C, 83C, 84C**
- 'maxima' : **89/40, 40C**
- morio : **91/23, 23C**
- morisii : **103/12, 12C**
- neglecta : **103/4, 4C; 116/49, 49C**
- — x *O. bertolonii* : **116/50C**
- neglecta x *O. garganica* : **116/49C**
- normannii : **103/4, 5C**
- numida : **84/18, 18C**
- obaesa : **84/31, 31C**
- omegaifera : **67/11, 11C; 89/24**
- — subsp. *Israelitica* : **91/11**
- oreas : **89/39, 39C**
- ortuabis : **103/24, 24C**
- oxyrrhynchos : **84/13, 13C**
- panattensis : **103/16, 16C**
- panormitana : **84/28; 101/32, 32C**
- parvula : **89/32, 32C**
- passionis : **116/24**
- pauciflora : **114/70, 70C**
- penelopeae : **114/73C, 74**
- persephonae : **89/33, 33C**
- phryganae : **43/5C; 84/17, 17C; 89/23C; 103/22, 22C; 114/74; 116/40C**
- polyxo : **89/30, 30C**
- promontorii : **116/27, 27C**
- pseudomelena : **116/37, 37C, 38C**
- punctulata : **114/75, 75C**
- — x *Ophrys spruneri* : **114/69, 69C**
- regis-ferdinandii : **89/20C**
- reinholdii : **89/22, 22C; 114/76C**
- rhodia : **89/29, 29C**
- sabulosa : **84/26, 26C**
- scolopax : **81/22, 22C**
- sricula : **89/23C; 91/30, 30C; 114/73C; 116/39, 39C**
- sipontensis : **116/32, 32C**
- speculum : **81/21, 21C; 84/25C; 89/20; 103/19C**
- sphegodes ssp. *cretensis* : **67/9, 9C**
- — ssp. *gortynia* : **67/9, 9C**
- — ssp. *grassoana* : **101/27, 27C, 28C**
- sphegodes, bee & pollinia : **67/10C**
- spruneri : **43/12; 114/68, 68C**
- subfusca group : **84/17**
- tenthredinifera : **43/5, 5C; 67/10; 81/21, 21C; 84/22C; 89/25; 114/60**
- — subsp. *grandiflora* : **84/114/6023C**
- ulysssea : **114/60C**
- umbilicata : **89/28, 28C; 91/7, 7C**
- — subsp. *rhodia* : **89/29C**
- villosa : **89/25**
- Orchid colony : **38/4C**
- Orchid Flower, Diagram of : **67/4D**
- Orchid meadow in the Picos : **19/7C**
- Orchids etc Rhodes, Article : **89/19**
- Orchids etc., from Sicily : **84/10; 101/27**
- Orchis >> Anacamptis : 67/2**
- Anacamptis boryi : 67/2**
- *cariophera* : **67/2**
- *collina* : **67/2**
- *elegans* : **67/2**
- *fragrans* : **67/2**
- *italica* : **81/23, 23C**
- *laxiflora* : **67/2**
- *mascula* subsp. *olbiensis* : **81/23, 23C**
- *morio* : **67/2**
- — subsp. *champagnieuxii* : **81/27C**
- *palustris* : **67/2**
- *papilionacea* : **67/2**
- *picta* : **67/2**
- *pyramidalis* : **67/2**
- *robusta* : **67/2**
- *simia* : **119/6C**
- Orchis anatolica : 89/36, 36C; 91/19, 19C**
- *anthropohora* : **92/16C; 103/19C; 116/47C**
- *brancifortii* : **103/15, 15C**
- *canariensis* : **110/47, 47C**
- *collina* : **43/11, 11C**
- *fragrans* : **43/10, 10C; 114/71C**
- *ichnusae* : **103/15, 15C**
- *italica* : **26/4C; 43/3, 3C; 91/27, 27C; 114/65, 65C**
- *mascula* : **19/7; 38/10C; 78/7, 15**
- *papilionacea* subsp. *alibertis* : **43/8C**
- — var. *grandiflora* : **19/7**
- *pauciflora* : **43/6C; 116/32, 32C**
- *provincialis* : **19/7; 67/5, 5C; 89/37, 37C; 103/15, 15C**

INTERNATIONAL ROCK GARDEN INDEX 119

- punctulata : **91/26, 26C**
- purpurea : **116/54C**
- quadripunctata : **43/5C; 114/64, 64C**
- sezikiana : **91/20, 20C**
- simia : **43/11, 11C**
- sitiaca : **43/4, 4C; 67/8, 8C**
- tridentata : **43/7, 7C; 67/7, 7C**
- troodi : **91/19, 19C**
- ustulata : **19/7**
- Oreocharis forrestii** : **47/9D, 10D**
- Oreopolus glacialis** : **111/46C**
- Oreopolus glacialis & habitat** : **51/5C**
- Origanum 'Barbara Tingey'** : **114/40, 41C**
- 'Emma Stanley' : **114/40, 41C**
- 'Kent Beauty' : **114/40**
- Orlaya grandiflora** : **15/13C**
- Ornithogalum beyazoglui** : **40/8, 8C**
- bungei : **118/67C**
- collinum : **81/27, 38C**
- corsicum : **103/11C**
- nivale : **20/8C**
- oligophyllum : **118/72C**
- — habitat : **118/71C**
- orthophyllum subsp. baeticum : **81/18C**
- pedicellare : **91/9C**
- refractum : **40/7C**
- sp. : **59/11C**
- umbellatum : **92/15, 15C; 98/37C**
- Orobanche ramosa** : **21/8C**
- aff. reticulata : **75/19**
- sp. : **21/3, 4C, 8C**
- Orobanche alba** : **81/17, 17C**
- gracilis : **81/16, 16C**
- latisquama : **81/30**
- Orobis gracilis** : **13/9**
- Orothamnus zeyheri** : **80/10, 10C**
- Orphanidesia gaultherioides** : **25/6**
- Orthilia secunda** : **37/18**
- Osmunda regalis** : **16/6**
- Ourisia alpina** : **105/53C, 54C**
- fragrans & habitat : **51/4C**
- glandulosa : **18/4**
- microphylla : **117/10C**
- — cliff habitat : **117/10C**
- serpyllifolia : **117/17C**
- Oxalis adenophylla** : **07/10C; 51/10C; 105/66C; 108/77C; 111/52C; 117/30, 31C**
- —.white : **111/58C**
- 'Annette' : **54/19C**
- argentina : **115/31C**
- depressa : **04/13**
- enneaphylla : **54/16, 16C, 16D, 17, 17C, 18C, 20C; 56/13C**
- — 'Kila 19' : **54/1C, 17C**
- — 'Patagonia' : **54/19C**
- — White Form : **54/19C**
- erythrorhiza : **51/6, 6C; 108/85C; 110/12C; 111/49C**
- fabaefolia : **70/5, 5C**
- famatinae : **119/96C**
- gigantea : **70/4, 5, 5C; 94/16C**
- lone Hecker' : **18/17C; 65/6C**
- laciniata : **32/14, 16**
- — var. pubescens : **32/1C, 2, 14, 14C, 15, 15C, 16, 16C, 17C**
- laxa : **103/28, 28C, 29; 111/17C**
- microphylla : **51/3, 3C**
- muscoides : **113/1C, 17C, 23C**
- obtusa : **98/32C**
- palmifrons : **70/4, 4C**
- perdicaria 'Freckles' : **98/45C**
- pes-caprae : **110/70, 70C**
- poeppigii : **51/5**
- ranchillos : **103/43C**
- ruelloides : **51/5, 5C, 17C**
- rusciformis : **70/4, 5C**
- 'Sheffield Swan' : **54/19, 19C**
- squamata : **51/10, 10C**
- squamoso-radicosa : **32/14**
- — var. pubescens : **32/15**
- 'Ute' : **54/18C**
- Oxygraphis glacialis** : **39/9C; 47/17C**
- Oxytropis campestris** : **56/5C; 57/11C; 78/19C**
- lapponica : **37/15, 15C**
- sericea : **74/9**
- species : **105/12C**
- Pachyphragma macrophylla** : **119/18**
- Pachylaena atriplicifolia** : **115/17C**
- Pachyphragma macrophylla** : **119/18**
- Pachystegia insignis** : **58/8C, 9**
- Packera (Senecio) paupercula** : **16/6, 6C**
- Paeonia anomala** : **97/16C**
- Paeonia archibaldii** : **102/1C, 3, 8C, 9C, 12C**

INTERNATIONAL ROCK GARDEN INDEX 119

- — diagnosis : **102/9**
- — glabrous leaf : **102/10C**
- — involucrate bract : **102/10**
- — lower scales : **102/10C**
- — sepals : **102/11C**
- — sp. nova : **102/9**
- broteri : **81/28, 29C**
- cambessedesii : **33/6, 6C**
- caucasica : **34/15C; 119/23C**
- — forms : **65/27C**
- clusii : **78/23C**
- — subsp. rhodia : **89/36C**
- coriacea : **66/17, 17C**
- delavayi : **39/5, 6C**
- — ssp. delavayi : **39/8**
- flavescens : **84/13, 13C**
- 'Joseph Rock' and the Karlik Church
:
12/1C, C2
- kavachensis : **102/3**
- mascula : **12/3; 102/3; 103/18C**
- mlokosewitschii : **34/13C; 87/26C**
- obovata : **65/24**
- officinalis : **09/15C; 35/12; 56/6C**
- ostii : **34/17C**
- parnassica : **33/6, 6C**
- rockii 'Joseph Rock' : **78/23C**
- ruprechtiana : **102/7C, 8**
- sp. : **78/22C**
- tenuifolia : **65/21, 27; 119/17, 17C**
- — alboroseum : **65/27C**
- tomentosa : **102/4, 5C, 6C**
- — leaves : **102/4C**
- wendelboi : **102/3C; 118/68C, 69C**
- — habitat : **118/67C**
- Pale butterwort : **78/10**
- Pancratium** Illyricum : **103/12, 12C**
- Pandorea** jasiminoides : **98/25C**
- Pantacantha** ameghinoi : **110/11C**
- Papaver** alpina : **77/8**
- commutatum : **119/14C**
- dahlianum : **44/9, 9C**
- kernerii : **13/7, 7C**
- laestadianum : **37/24**
- rhaeticum : **15/17C; 56/5C**
- rhoeas : **91/16, 17C; 103/20C**
- Paracaryum** racemosum : **30/14C, 15C**
- Paradisialia** liliastrum : **56/6C**
- Paraquilegia** anemonoides : **15/7; 25/9, 9C; 97/3, 17C; 109/22C**
- caespitosa : **15/7, 7C**
- microphylla : **21/18; 38/12**
- sp. on Tien Shan : **15/9C**
- Pardoglossum** cheirifolium : **81/25, 25C**
- Paris** incompleta : **119/38C**
- polyphylla : **39/7**
- — var. alba : **58/7, 7C**
- — var. thibetica : **58/7, 7C**
- quadrifolia : **37/23, 23C**
- Parks
- Lacamas Park : **69/16**
- — Lily Fields : **69/17C**
- Mt Rainier National Park Washington
 :
 69/2
- Oak savanna : **69/18C**
- Siuslaw National Forest : **69/15**
- Parnassia** delavayi : **55/12**
- fimbriata : **62/17C**
- grandiflora : **58/11**
- palustris : **04/6; 58/11; 78/10C, 11C**
- sp. : **58/11C**
- Parochetus** communis : **17/4**
- Parodia** microsperma : **107/32, 32C**
- Parolinia** filifolia : **110/62C**
- ornata : **110/62C**
- Paronychia** amani : **12/10**
- aretioides : **66/13C**
- Parrotia** persica : **34/6, 8**
- Pasithea** caerulea : **94/21C**
- Patrinia** sibirica : **97/17C**
- Peat Bed : **42/9C**
- Peat block area : **13/10C, 12, 12C**
- Peat bricks, Field of : **63/12C**
- Pedicularis** cadmea : **20/6C**
- dasyantha : **44/8, 8C**
- fissa : **97/17C**
- hirsuta : **37/15, 18, 18C**
- lapponica : **37/18, 18C**
- oederi : **47/17C; 55/9C**
- scopulorum : **74/10**
- sp. : **21/3, 4C, 7C**
- verticillatus : **21/5C; 57/13C**
- Pediocactus** simpsonii : **10/3, 9**
- Pegaeophyton** scapiflorum : **47/17C**
- — ssp. robustum : **55/12, 20**
- Pelargonium** endlicherianum :
117/68C
- Pelexia** bonariensis : **107/34, 34C**

INTERNATIONAL ROCK GARDEN INDEX 119

- Penstemon acaulis** : 18/18C
— cf. *alpinus* : 74/3C
— *arenicola* : 110/96C
— *caespitosus* : 10/13; 74/9
— — var. *desertipicti* : 10/19, 20C
— *caespitosus* : 11/18C, 20;
— — var. *caespitosus* : 11/7
— *cardwellii* : 04/14
— *cobaea* : 105/23, 23C, 24C
— *cyathophorus* : 74/9
— *davidsonii* : 29/4; 33/17C
— — *menziesii* 'Microphyllus' : 105/7C, 12C
— *debilis* : 105/15C
— *dolius* : 10/17
— *duchesnensis* : 10/17, 17C
— *hallii* : 04/14; 11/15C
— *humilis* : 10/22
— *laricifolius* var. *exilifolius* : 10/12C
— *mensarum* : 105/19C
— *nanus* : 10/3, 14C, 14, 15
— *newberryii* : 29/2
— — subsp. *berryi* : 29/4, 4C
— — var. *newberryi* : 11/6; 29/2C, 3, 3C
— — 'Red Lassen' : 29/5
— — subsp. *sonomensis* : 29/4, 4C
— — — 'St. Helena' : 29/5
— *penlandii* : 74/9, 9C
— *pinifolius* 'Mersea Yellow' : 04/14
— *radicosus* : 74/10
— *rupicola* : 04/14; 08/15; 29/4
— — var. *alba* : 08/15, 15C
— *scariosus* : 11/7, 7C
— *spatulatus* : 105/7C
— *species* : 105/8C
— *speciosus* subsp. *kennedyi* : 11/6
— *thompsoniae* : 10/19, 20C; 11/3
— — var. *desperatus* : 105/22C
— *yampaensis* : 18/18C
- Pentachondra pumila** : 58/12C
- People:
- Achilles, Hans : 03/16C; 26/2
 - Akers, James : 66/27
 - Akulova, Zoya : 23/3
 - Albury, Sydney : 108/56C
 - Alexander, Patrick : 25/10
 - Alegria, Juan : 94/6C; 104/5C
 - Allen, James : 62/2
 - Allshire, Ashley : 58/8
 - Alpine Parrots : 41/7C
 - Alverson, Ed : 69/2, 9C
 - Andersen, Kirsten : 17/15; 26/13; 32/2, 14; 47/3; 54/16; 66/17; 78/26
 - Anderson, Brenda : 04/20
 - Anderson, George : 107/64C
 - Anita (R) and Vilma : 110/17C
 - Aphrodite : 12/3
 - Apostolou, Stavros : 60/7; 75/1, 26;
92/2, 3, 14C, 16C
 - Applegate, Elmer : 69/4, 12
 - Archibald, Jim : 09/2, 3, 19C; 56/21
 - Archibald, Jim and Jenny : 08/1, 1C; 09/6, 6C; 33/2
 - Aspaker, Magnar : 25/13P; 29/6; 68/12
 - Bachmann, D. : 59/4
 - Balá, Jaroslav : 48/14
 - Baláž, Jaroslav : 31/19; 40/17
 - Band, Susan : 46/15
 - Banketov, Sergey A. : 107/15, 15C
 - Bengsston, Jonas : 29/5
 - Becker, Patricia : 112/2C, 63
 - Beeston, R. & J. : 115/83C, 86C
 - Beumer, Tom : 81/7
 - Bezzant, Lyn : 58/3C
 - Bishop, Bill : 111/69B
 - Bishop, Matt : 62/4
 - Blackhall-Miles, Robbie : 58/2, 8; 80/1, 4C
 - Blakley, Chad : 37/11
 - Blaxland, Kim : 107/26C
 - Blažej, Ladislav : 97/2, 25
 - Bloom, Richard : 112/62C
 - Boardman, Pete : 39/2
 - Boens, Wim : 47/8; 49/2, 2C; 62/2, 19C; 76/2; 88/1; 112/2C
 - Boissier, Pierre Edmond : 39/13
 - Boland, Todd : 06/17, 17C; 58/6
 - Bondarenko, Leonid : 99/36C
 - Bondareva, Olga : 05/2C; 24/7; 37/14; 49/2; 50/3; 65/2, 19, 19C, 20
 - Booker, Cliff : 06/2, 2C; 19/7; 21/3; 24/8; 28/11; 35/2; 47/12; 96/1
 - Boulby, Christine : 31/20

INTERNATIONAL ROCK GARDEN INDEX 119

- Braun, Vlastimil : **78/24**
Breed, Cees : **49/18**
Brousseau, Br. Alfred : **32/5**
Brown, Christine and Mike : **25/9**
Bunge, Alexander von : **50/4B**
Bydjowsky, Jiri : **59/10C**
Campbell, Michael J. : **54/19; 80/2, 21**
Čančara, Zdeněk : **22/6, 10**
Capek, Karel : **71/21**
Cavallo, Ernie : **112/66C**
Carrie, Fred : **84/1**
Carruthers, Amanda : **44/2**
Carruthers, Joyce : **10/2; 11/2C; 23/9; 44/2, 3C; 86/11C**
— — in Big Horn Mts : **11/8C**
— — Dedication : **10/23C**
— Joyce at Karlik, 2007 : **10/23C**
— on the Kings Hill tundra : **11/6C**
Catlow, Graham : **34/4; 47/6**
Čelákovský, Ladislav : **12/9**
Čepička, Standa : **78/24**
Čepička, Stanislav : **71/3, 19**
Chambers, Anne : **06/9, 9C; 39/2; 60/1, 2**
Charalampidis, Stylianos : **59/10C**
Charman, Bob : **61/16; 108/9, 10C**
Chauvet, Philippe : **56/2, 2C**
Cheese, Martyn : **108/56C; 117/3, 3C**
Chester, Tom : **21/16**
Chișu, Răzvan : **87/2**
Christie, Ian : **38/2; 54/19; 88/22**
Ciesielski, Krzysztof : **112/2C**
Clement, Diane : **06/9, 9C; 22/21; 115/83C**
Clements, Steve : **67/10**
Colomyichuc, Vasyl : **90/13C**
Commelin, Caspar : **50/3**
Corden, Julia Our President : **107/2, 63, 63C, 64, 66C**
Correvon, Aymon : **47/2**
Correvon, Henry : **47/2**
Courtens, Nick : **105/2**
Cox, Euan : **09/4C**
Cox, Lesley : **34/11; 47/8; 51/6; 70/2; 116/2**
Cumbleton, Paul : **17/2; 59/3; 114/1, 2C, 21**
Dandois, Claire and Philippe : **94/7C**
Dandois' home : **94/7C**
Darby, Anthony : **67/15**
de Groot, Sjaak : **93/19 - 21C**
DeMarie, Ernie : **104/50C, 51C**
de Raeymaeker, Kris : **49/4**
de Sousa, Mr Fermi : **21/2; 34/11; 104/53; 116/2**
Dijk, Bill : **34/11; 48/3**
Divišova, Marika sings : **42/2C**
Domínguez, Delphine : **57/20**
Dominguez, Rafael Diez : **03/12C; 57/20; 86/2C, 9C**
Don, George : **50/2**
Dörfler, Ignaz : **28/4**
Douglas, David : **40/2**
Dower, John and Clare : **19/7**
Dubois, Yvain : **104/56**
Duchacova, Olga : **71/21**
Dwarswaard, Arie : **91/4C**
Dzhimsheer, Dr. Kereselidze : **61/9**
Earle, Margaret : **17/12**
Edwards, Anton : **100/2C**
van Eeden, Willem : **64/5**
Eijkelenboom, Gerrit : **43/2, 2C; 51/2, 2C, 20; 67/2; 84/2; 81/1, 2; 95/1; 101/1; 110/80; 116/1**
Eijkelenboom, Ibeltje : **67/2C; 84/2**
Eijkelenboom, G & I : **89/19; 91/5; 101/27; 103/2; 114/57**
Elvebakk, Arve : **117/43C**
Emery, Dara : **21/13**
Engelmann, Hagen : **22/17; 24/11; 49/12; 62/2, 4C, 5C**
Epiktetov, Vladimir : **32/9, 9C; 50/10**
— on his travels : **32/9C**
Eriksen, Poul Erik : **34/4; 46/15**
Erskine, Capt. Peter : **54/19**
Esslemont, Harold : **25/2**
Evans, Alf : **58/3**
Evans, Ray : **104/63**
Eveleigh, Pam : **92/35**
Everett, Colin : **114/21**
Fairbairn, Ray : **35/2, 14C**
Fairbairn, Ray in Garden : **35/16C**
Farrer, Reginald : **09/3, 3C**

INTERNATIONAL ROCK GARDEN INDEX 119

- Father Theologus : **59/11C**
Fauser, Otto : **40/2**
Fawkner, John Pascoe : **40/2**
Ferenc, Zoltan : **24/5**
Ferguson, Stephanie : **86/14C**
Ferryman, Roger : **115/3**
Fiddes, Roma : **116/2**
Finch, John : **49/14; 62/4C**
Flores, Ana R. : **104/1, 2**
Flores, Juan : **111/42C**
Forrest, George : **09/3**
Fourage, Jules : **19/13**
Fritsch, Reinhard : **61/5; 89/3**
Fulford, Cohan: **06/8, 8C; 116/2**
Furse, Rear Admiral John Paul
Wellington : **09/4**
García, Nicolas : **117/11**
Garnett, George : **75/2, 22C**
Garrido, Estela : **106/32C**
Garvie, Steve : **67/21**
Gemmill, Robin : **04/7C**
Gentry, Alwyn : **108/57C**
Gesner, Conrad : **47/6**
Giguère, René : **4/12, 13**
Gilgemyn, Luc : **54/18; 63/9**
Giuseppi, Dr. P.L. : **28/3**
Good, John E.G. : **07/3, 3C**
'Grake' : **37/6**
Green, David : **111/67**
Green, Richard : **26/2, 5C**
Greenwood, Lawrence : **25/8; 39/2**
Greenwood, Mrs Lillian : **39/2**
Grey-Wilson, Christopher : **07/8, 8C**
Grimshaw, John : **07/12, 12C; 49/13; 76/3, 14**
Grulich, Jaromír : **22/10**
Gustafson, Phyllis: **09/17, 17C**
Hadacek, Franz & Christa : **14/8**
Hadacek, Franz : **14/8; 22/17; 24/13; 25/12; 28/10; 30/8; 36/2; 40/2; 49/9; 57/14**
— Franz in the garden : **14/10C**
Hajman, Martin : **109/41C**
Halada, Milan : **26/17; 71/16**
Halda, Josef J. : **22/6, 8C; 47/2; 50/3, 5C; 54/2**
Halda, Pepe : **22/11**
Haldová, Jarmila : **22/10; 47/3; 58/4**
Hall, Molly : **77/26C**
Halliwell, Brian : **39/2**
Hansen, Lars : **17/15; 26/13; 32/2, 14; 54/16**
Hanslík, Eduard : **46/9**
Hanzelka, Petr : **42/22C**
Harpur-Crewe : **62/2**
Harvey, Marcus : **90/16C**
Has, Stephen : **76/12**
Haškovec, Cedrik : **24/10**
Haškovec, Štěpánka and Cedrik : **12/10, 10C; 16/9; 20/4**
Haslegrove, David : **07/15, 16, 16C**
Heims, Dan : **21/19**
Henderson, Louis : **69/3**
Hermann, Paul : **50/3**
Hilton, Eric : **36/2**
Himalayan beauty : **02/5C**
Hinkley, Dan : **09/5C**
Hoek, Gert : **40/2; 79/2, 2C**
Höller, Hans : **22/2**
Hoeller, Johannes : **25/8**
Hollinger, Jason : **21/13; 32/2**
Holubec, Dr. Vojtěch : **07/4; 18/14; 109/46**
28/7; 32/8, 8C; 71/3; 78/20;
Holzbecher Josef : **12/6; 71/4**
Hoppel, Michal : **11/17, 17C; 13/2; 17/14; 32/8, 8C**
Horáček, Yara : **96/9**
Horák, David : **109/46**
Hornburg, Jorn : **28/10**
Høy, Trond : **25/4; 34/4; 44/2, 7C; 48/4; 51/2; 88/2**
Hunt, Cath and Terry : **26/19**
İlçim, Dr. Ahmet : **45/18**
Ingram, Tim : **33/2; 34/5; 42/2, 8C; 65/2, 19; 71/20**
Ireland, Mike : **24/9; 28/10; 30/9**
IRG Editorial Team : **41/2C; 100/2C**
Jans, Harry : **01/3C; 06/12, 12C, 13; 32/6; 87/1, 26C; 115/54C**
Jensen, Jørn : **49/12; 76/8**

INTERNATIONAL ROCK GARDEN INDEX 119

- Jílek, Jan : **43/2**
Jílková, Anna : **19/13**
Johansen, Herluf : **12/14C; 24/3; 63/10**
Johnigk, Robert : **76/5**
Jones, G.N. : **69/19**
Jones, Jeanie : **92/35**
Joschko, Hans : **34/4; 48/8**
Jošt, Vaclav : **59/7; 109/47**
Jozsa, Kata : **27/16**
Jurá, Josef : **48/1**
Jurášek, Jiří : **22/8C**
Jurášek, Josef : **02/12C; 23/7; 26/17; 46/1, 5; 54/2; 58/15; 71/16; 95/29**
Jurášek, Pepe : **22/11**
Kaczmarek, Ingo : **76/6**
Kammerlander, Michael : **03/16C; 07/13; 66/18, 21C**
Kamstra, Klaas : **56/24**
Kees Jan van Zwienen : **113/3, 33C**
Kelaidis, Panayoti : **05/12, 12C; 09/17, 18C; 50/5C; 74/11C; 115/1, 2C**
Kerndorff, Helmut : **52/4**
Kindlund, Hannelotte : **60/3, 3C**
Kintgen, Mike : **63/2, 2C; 74/2, 3, 11C**
Kipping, Ted : **21/15**
Kleinhans, Gunther : **59/3**
Klíma, Jaroslav : **32/10**
Knoche, Gerd : **25/14; 27/2; 115/54C**
Knox-Finlay, Major W.G. : **34/2; 47/6**
Koçak, Özgür : **30/13, 13C, 15**
Kolbinsev, Vladimir : **16/2**
Koplin, Clay : **70/21C**
Korn, Peter : **32/8, 8C; 44/19C**
Kosourová, Zdena : **67/16; 77/11; 78/20; 97/30**
Kraai, Harmen : **76/6**
Křenek, Slávek : **78/21**
Kress, Christian : **88/13**
Kristensen, Karl : **49/20**
Kummert, Fritz : **25/22; 84/2, 9C; 95/3; 113/72**
Kummert, Fritz & Sefi : **36/14C; 80/2, 14115/7B**
Kummert, Sefi : **113/80C**
Kurtz, Federico : **115/7B**
Lafong, Cyril : **05/19, 19C; 92/37**
Lakušic, R. : **22/16**
Lancaster, Roy : **07/16, 16C**
Lang, Karel : **46/6**
Leichtlin, Max : **62/2**
Lemmens, Jozef : **03/9C; 17/14; 27/7; 39/3, 3B; 45/12; 47/13; 48/13; 92/33**
Lemmers, Wim : **16/2**
Lemoine, Barb : **50/11**
Lemoine, Émile : **21/18**
Lemoine, M. : **21/18**
le Piniec, Marcel : **21/19**
Lessnow, Uli : **62/4C**
Lever, Tim : **03/2C**
Levin, Joel : **37/11, 19C**
Lillo, Miguel : **115/7B**
Lim, Carol : **49/13**
Linnaeus, Carl : **06/18**
Lloret Ferran J. : **86/2C, 9C**
Logan, Doug : **25/5**
Lohbrunner, Dr Ed : **17/18**
Lonsdale, John : **49/23**
Lowe, Duncan : **39/4**
Lu, George : **39/5**
Lunde, Knud : **34/8**
Lupp, Rick : **19/10; 46/2 – 4, 5C**
Lyttle, David : **58/12**
McBeath, Ron : **09/15C; 39/2; 58/3; 115/54C**
McBeath, Susan and Ron : **26/18; 39/13C**
McCaughey, Joan and Liam : **14/11; 15/2; 92/35**
McCaughey, Joan on horseback : **15/3C**
McCaughey, Liam : **24/4; 29/2**
McCracken, Theresa : **60/2**
MacDonald, Ian : **78/2**
McDonough, Mark : **29/4; 31/18; 34/6**
MacDougall, Philip : **25/6; 54/20**
McEnery, Pam : **115/86C**

INTERNATIONAL ROCK GARDEN INDEX 119

- McGregor, Malcolm : **11/16C**
McKelvie, Alastair : **46/12**
McKelvie, Alastair and Frances :
46/13C
Mackintosh, Elspeth : **55/2, 4C**
Kohli Gold Medal and Certificate :
46/13C
McPavlis : **17/19; 26/18; 29/2**
Maleček, Láďa : **71/7C, 16**
Maly, Karel (1874-1951) : **15/19**
Martin, Lee and Julie : **56/21, 21C**
Masterton, Bobby & Betty : **36/2**
Mathew, Brian & Margaret : **07/14,**
14C
Matteo, Filippo Di : **64/2**
Matthias de L'Obel : **25/18P**
Matthus, Matt : **115/68C**
Mattingley, John : **29/15; 36/3, 7C;**
53/16
Mattingley, Wendy and John :
27/2;
36/2
Mens, Johan : **76/9**
Menzies, Archibald : **69/16**
Metcalf, Bettina : **62/2**
Millward, David : **03/15C; 30/2**
Milne, Harley and Winnie : **87/28C**
Milne, J. Harley A. : **87/30**
Mirro, Gene : **31/2, 14, 14C; 32/2;**
33/10
Mitchell, John : **58/2**
Moat, Colin : **112/2C, 3C**
Moen, Geir : **29/6**
Monbaliu, Daniëlle : **76/13**
Moore, Billy : **29/4**
Morse, Keir : **62/17**
Mosquin, Daniel : **34/7**
Muijen, Lydia : **90/2, 32C**
Muñoz Pizarro, Carlos : **111/5B**
Murfitt, Rex : **10/3, 3C; 31/15**
Murrain, Jim : **76/4**
Mylemans, Herman : **19/15**
Nauman-Horny, J. : **71/21**
Newall, Steve : **18/2**
Newton, Alan : **09/12C**
Nguyen, Nhu : **70/2C**
Nicholls, Graham : **04/9, 9C; 20/16**
Nicholson, David : **92/17**
Nilson, Johan : **44/19, 19C; 86/2**
Nilsson, Susann : **12/16, 16C;**
37/10,
14C; 48/11
Novák, Jiří : **17/14**
Novotny, Andreas : **37/19C**
Nuttall, Thomas : **31/15**
Øen, Anne Karin : **34/8**
Oliver, Charles : **21/19**
Olsen, Bjørnar : **30/11; 49/6**
Ota's son and son-in-law : **71/31C**
Otnyukova, Dr Tatyana : **97/3**
Owen, Travis : **83/1**
Page, John : **18/19**
Panayoti Kelaidis : **94/28C**
Papapolymerou, Dr. George :
59/5;
74/21
Papoušek, Jiří : **32/8, 8C; 58/15;**
71/2; 88/22, 29C
Pardubice : **17/14**
Parsons, Ron : **32/2**
Pasche, Erich : **52/4**
Pavelka, Mojmír : **12/2, 4; 17/19;**
20/10, 17; 23/5; 30/12; 35/10;
45/2;
48/10
Pavlis, Robert : **68/2**
Paznocht, František (Franto) :
28/13;
60/3; 78/21
Peirce, Charles : **31/17**
Peri, Oron : **28/2; 92/26**
Peters, Jurgen : **19/16**
Petterson, Helga : **94/6C, 19C**
Philbey, David : **17/11**
Piatek, Láďa : **28/5**
Piatková, Gita : **17/2; 28/5**
Picton, Percy : **104/67B**
Pilous, Dr. Vlastimil : **78/21**
Plaimer, Karl : **47/8, 12**
Poirier, Helen : **25/3**
Polonskaja, Svetlana : **117/2, 61,**
61C
Porteous, Barrie : **18/18**
Portier, Cathy : **62/19C**
Pospíšil, Jiří : **41/13C**
Potterton, Rob : **30/9**
Potterton, Jackie : **26/18**
Prague Conference Delegates :
41/3C,

INTERNATIONAL ROCK GARDEN INDEX 119

- 4C, 5C, 8C, 9C, 12C, 23C, 25C**
Procession at Il Duomo : **101/28C**
Prößdorf, Eberhard : **47/8**
Pulevič, Prof. Vukič : **22/14**
Purvis, Ole W. : **97/2, 3, 4C**
Raebild, Ellen : **24/3; 63/10**
de Raeymaeker, Kris : **51/6**
Ram, Ben : **80/2, 4C**
Raschke, Gerd : **62/21**
Raus, Thomas : **90/5**
Řeháček, Zdeněk : **23/6; 56/19**
Reichenbach, H. G. : **59/2**
Rejzek, Josef : **18/12**
Rhind, Len : **68/14**
Richards, John : **07/10, 10C, 11**
Roemer, Hans : **04/2C; 50/2, 14C**
Rolfe, Robert : **07/5, 5C; 58/2, 3C;**
71/23
Romanova, Tatiana : **117/60**
Roseo, Pietro : **89/3C**
Roth, Rogan : **34/11; 45/2, 6**
Rothmaler, Werner : **66/14**
Ruby, Christophe : **30/2; 62/2,**
19C
Ruksāns, Jānis : **09/18, 18C; 40/2,**
2C; 49/4; 52/2; 59/2, 12C; 61/1;
64/2; 74/12; 76/23C; 89/1; 90/13C;
91/4C; 95/18; 99/2, 4C; 102/2C;
107/2; 108/2; 109/29B; 112/1,
62C; 113/53C, 69C; 118/2C, 19, 88
Rukšāns, Guna : **40/2, 2C; 90/13C**
Rumsey, Fred : **75/25**
Ruysch, Fredrick : **50/3**
St. John, Harold : **69/19**
Salman, David : **110/83**
Sason, Miriam : **26/2; 48/7**
Saunders, Rachel and Rod :
09/5C
104/48C, 49, 49C; 108/57C
In Memoriam : **104/50**
Schacht, Wilhelm : **25/14; 84/7, 8,**
9C
Schacht, Dieter : **84/9C**
Scheldeman, Luc : **47/10; 48/9**
Schilperoord, Melanie : **37/5**
Schmidt, Frank : **60/3**
Schneider, Ingo : **52/26**
Schoefs, Alice : **37/7**
Schoefs, Gerard : **37/6**
Scoones, Maria Cecilia : **110/25C**
Seisums, Arnis : **90/24C**
Sekerka, Pavel : **03/10C**
Sellars, David : **57/2; 77/1; 96/2**
Seth, Kenton J. : **86/2, 2C, 15C**
Sharman, Joe : **49/12; 76/4; 88/10**
Sharp, Davie : **05/8C; 75/2, 19C**
Sheader, Martin : **32/8, 8C;**
111/2C
Shetekauri, Dr. Shamil : **61/9**
Silcock, Simon : **47/12**
Simpson, Sue : **86/22; 109/2**
Simpson, Sue & Watt, George :
109//2-24, 15C
Sirkett, John : **88/9**
Skulski, Lori : **08/22; 28/11; 34/5;**
50/5; 105/6
Sleep, Darren : **34/4**
Smethurst, Shelagh : **92/36**
Smith, George : **39/2, 3**
Smith, Miss Rosemary : **47/6**
Smyth, Mark : **65/2; 71/5**
Soliriades, Nikos and Pandelis :
19/2
Sorg, Beate : **49/21**
Sözen, Ibrahim : **40/2, 2C;**
52/27C;
76/33
Spegazzini, Carlos : **115/7B**
Spiegel, Anne : **105/3**
Spiegel, Anne & Joe : **17/8**
— Creators of Spiegel Garden :
17/10C
Spriggs, Paul : **50/11, 14C;**
86/2C, 10, 12C, 15C
Sprunt, Glassford : **35/14C**
Stádník, David : **18/14; 78/27C**
Staněk, Vladimír : **45/2; 48/12;**
71/16
Stasinopoulos, George : **92/16**
Stewart, Joyce : **59/3**
Stibic, Jaromír : **47/4**
Stireman, John : **110/1, 81**
Stocken, Chris : **108/56B**
Strandberg, June : **50/11**
Stridvall, Leif & Anita : **23/4**
Strohalm, Jiří : **18/14**
Studdard, Matthew : **65/2, 18C**
Svanholm, Göte : **28/11**
Taggart, Jamie : **108/57C**

INTERNATIONAL ROCK GARDEN INDEX 119

- Tallbo, Peter : **101/2, 25C**
Tarasov, Eugeny : **60/3C**
Taylor, Margaret and Henry :
23/23
Tenzin Norbu : **55/11C**
Tholhuisjen, Jan : **68/14; 79/16;**
82/1,
2; **93/2**
Thomson, Martin and Irena : **17/13**
Tibetan Collector : **39/10C**
Tjeerdsma, Gerben : **66/21C**
Tobin, Paddy : **34/8**
Toolan, Pat : **34/11, 15**
Toole, Dave : **25/4**
Topsfield, Matt : **81/24C; 85/1, 22**
Treff, Egon and Ruth : **49/13**
Turrill, Mr. W.B. : **28/2**
Tychonievich, Joseph : **104/54**
Tyerman, Paul : **34/4, 11**
Tzar Boris III : **84/8B**
Valenta, Vladimír : **77/18, 22C**
Valenta's home : **77/11C, 12**
Veranda and pond : **77/12C**
Pond from other aspects :
77/12C
Vandedem, Mr. : **47/2**
van den Beuken, Ger : **51/3; 54/20**
Vargas, Dr Pablo : **33/9**
Vavilov, Nicolai : **108/58C**
Velardi, Tom : **59/3**
Ventouri, Stavroula : **60/7**
Ventouri, Stavroula : **60/7C**
Vermeire, Chris : **63/9**
Vlasák, Ota : **18/14; 32/10; 71/2,**
2C,
5C, 15C, 24C; 78/20
— Ota in his garden : **71/35C**
Vleugels, Freddy : **34/9**
Vorger, Mrs. : **19/15**
Vydra, Mr. Ota : **22/10**
Walek, Kristl : **06/19, 19C; 29/9;**
34/6,
10
Walkey, David : **85/2**
Wallis, Bob and Rannveig : **07/12,**
12C; 09/16C; 32/6
Walsh, Martin : **07/3, 3C**
Ware, Grahame : **21/12, 19C;**
29/5;
46/2 – 4; 56/15; 59/2; 66/18;
74/28
Watson, Anita : **94/6C; 117/49C**
Watson, John : **07/9, 9C; 94/8C,**
27C;
103/1; 104/2; 113/1; 115/3; 117/1
Watson, John and Anita : **09/5C;**
94/2C, 18C; 98/16C; 108/97C;
110/2
Watt, George : **86/22; 109/2**
Way, Anke : **62/4C**
Weagle, John : **34/9; 88/22**
Weiser, John P. : **29/3; 100/3**
Weiss, Rudi : **03/5C; 30/7, 10;**
42/3;
47/8; 54/18; 56/16
Wickenden, Michael : **108/57C**
Wijnen, Robert : **37/4**
Wijnen, Valentin : **37/2, 6**
Wiley, Keith : **07/16, 16C**
Willis, Tony : **25/12; 28/11;**
47/11
Weiss, Rudi : **32/14**
Wood, Hugh : **18/3C**
Wright, Anne : **66/27; 98/47; 118/3**
Wrightman, Harvey : **14/4 – 8**
Wulleman, Frankie : **51/9; 113/70**
Wynn-Jones, Sue and Bleddyn :
09/5C Yamanaka, Tatsuo : **49/5;**
104/58 Young, Adrian : **33/2; 35/2;**
48/6; 60/3;
85/2
Young, Ian : **07/2, 2C; 24/12; 32/7,**
7C;
38/11; 53/2; 68/2, 14; 70/6;
90/2; 98/2
Zarucheykaya, Natalia : **34/5**
Zeitinger, Peter : **53/20**
Zetterlund, Henrik : **90/24C;**
102/2C; 108/2
Zíková, Hana : **87/1C, 15C**
Zoltan, Ferenc : **22/5; 27/16**
Zoltan, Kata Jozsa : **22/2, 5**
Zoltan, Kata and Ferenc : **15/9,**
9C; 20/2; 48/5
Zonneveld, Dr. Ben J.M. : **93/24C**
Zschummel, Dieter : **16/12; 24/6;**
28/7; 32/8, 8C; 66/2
Zschummel, Rosi and Dieter :
03/7C; 27/2

INTERNATIONAL ROCK GARDEN INDEX 119

- Zubov, Dr. Dimitri : **22/18; 34/4; 76/23C; 86/1, 2C, 9C; 90/2, 13C, 24C; 99/36C; 113/69C; 118/1, 19, 88**
Zvolánek Brothers :
44/3C Zvolánek, Pepe : **22/11**
Zvolánek, Zdeněk : **11/14C; 18/14; 24/14; 26/17; 28/2; 30/12; 31/19; 32/7, 7C; 35/2, 10; 36/14; 39/13; 42/12C; 45/2, 18; 46/5; 47/2; 53/20; 58/2; 77/11; 84/9C; 86/11C; 87/15, 26C; 93/1; : 94/28C; 95/29; 96/14**
ZZ and Zdena : **100/56C**
— and — resting : **117/65C**
ZZ in Action : **17/8C; 67/16-20**
ZZ in Peat Block Area : **63/13C**
ZZ in rockwork : **100/55C**
ZZ on skis : **117/69C**
ZZZ at Inverewe : **117/2C**
- Perezia pilifera : 63/8C**
— pungens : **119/95, 95C**
— recurvata subsp. patagonica : **108/77C**
- Pericallis webbii : 110/72C**
- Periploca laevigata : 110/68, 68C**
- Pests & Diseases
Eranthis smut, Urocystis eranthis : **62/22C**
Eranthis, Pests & Diseases : **62/21**
Puccinia recondita-wheat disease : **62/22**
- Petasites frigidus : 37/22, 22C**
- Petkovia (Campanula) orphanidea : 20/10**
- Petrocallis pyrenaica : 13/6**
- Petrocosmea sp. : 58/14**
- Petrophytum caespitosum : 10/14; 11/3; 42/6C**
— hendersonii : **58/4**
- Phacelia brachyantha : 103/39C, 42, 42C**
— formosula : **74/10**
— gina-glenneae : **74/9, 9C**
— linearis : **100/16C**
— pinnatifida : **104/19C**
— sericea : **11/14C**
- Phaedranassa dubia : 70/2, 3C**
- Philippiamra calycina : 111/8C**
- Phlomis lychnites : 66/2C**
- Phlox and Armeria cushions in flower : **71/10C**
- Phlox adsurgens 'Wagon Wheels' : 19/11; 25/11**
— albomarginata : **05/9**
— austromontana ssp. densa : **10/21**
— bifida 'Alba' : **114/38C**
— 'Ralph Haywood' : **114/38C**
 Bořanovice' : **71/8, 26C; 114/38C**
— bryoides : **10/11C; 11/20, 21, 21C**
— caespitosa : **11/9C, 10C**
— aff. caespitosa : **10/10C, 10**
— — subsp. caespitosa : **11/7**
— — subsp. condensata : **71/8, 9C**
— — subsp. pulvinata : **04/21, 21C; 11/3, 6; 71/8**
— caryophylla : **95/7**
— condensata : **04/13; 11/20**
— — detail : **11/21C**
— cultivars : **114/37C**
diffusa : **10/12; 19/11, 11C; 50/1C, 15, 15C, 16C, 17, 17C, 18, 18C, 19, 19C; 96/10C**
— — subsp. diffusa : **50/16**
— — subsp. longistylis : **50/16**
— — Roadside Colony : **19/11C**
— — subsp. scleranthifolia : **50/16**
— — subsp. subcarinata : **50/16**
— x 'Frantonine' : **05/11, 11C; 28/16**
— grayi : **10/21**
— griseola tumulosa : **10/19**
— 'Gypsy Blood' : **04/22C**
— 'Hibberson' : **71/8, 9C**
— hirsuta : **10/18C**
— hoodii : **10/9, 12, 21; 74/9**
— 'Iceberg' : **71/9C**
— kelseyi : **11/21; 71/8, 10C**
— lanata : **10/12**
— missoulensis : **10/12C, 12; 11/18C, 20C**
— multiflora : **74/7, 7C**
— muscoides : **10/11C, 11, 12**
— nana : **30/5**
— opalensis : **10/11**
— 'Ochsenblut' : **114/37C**
— pulvinata : **04/13; 11/9, 10C, 20; 71/9C**

INTERNATIONAL ROCK GARDEN INDEX 119

- *pungens* : **10/11**
- *sp.* : **11/9C**
- *stansburyi* : **10/21**
- *subulata* 'Bavaria' : **114/37C**
- — 'Nettleton Variation' : **65/7C**, 13, **18C**
- — 'Zwergenteppich' : **114/37C**
- *triovulata* : **25/10**, **10C**
- Photo Supplement to IRG 51 : **54/18**
- Phrodus** *microphyllus* : **104/19C**
- Phycella** *arzae* : **117/52C**
- *cyrtanthoides* : **103/37**, **37C**
- *maulensis* : **117/16C**
- Phyllachne** *colensoi* : **18/4**
- Phyllodoce** *caerulea* : **37/17**, **17C**
- Physaria** *acutifolia* : **05/9**
- *chambersii* : **10/20**, 21, **21C**
- *didymocarpa* : **11/20**
- *eburniflora* : **11/20**
- *mendocina* : **107/51C**
- Physoclaina** *orientalis* : **119/8C**
- Physoplexis** *comosa* : **06/9C**; **15/11**, **11C**;
20/1C, 2, **3C**; **32/11**; **65/12C**; **82/20C**
- — *habitat* : **20/2C**
- — *watercolour* : **06/9C**
- Phyteuma** *hemisphaericum* : **15/11C**
- *scorzonerifolium* : **35/13**
- *sieberi* : **57/13**
- *sp.* : **35/3C**
- Picea** *densa* : **55/19**
- Pilularia** *globulifera* : **58/12**
- Pinguicula** *alpina* : **37/20**
- *grandiflora* : **79/1C**
- *lusitanica* : **78/10**, **11C**
- *villosa* : **37/20**
- *vulgaris* : **16/4**, **5C**; **37/20**, **20C**;
38/7C
- Pinus** *aristata* : **04/12C**, 13; **10/13C**
- *flexilis* : **96/11**
- *heldreichii* : **20/15**
- *longaeva* : **11/3**, 5
- *monophylla* : **77/19C**
- *parviflora* 'Al Fordham' : **77/19C**
- — *var* *brevifolia* : **29/6**
- — 'Glauca' : **12/20**, **20C**
- *ponderosa* : **69/3**
- — *savanna* : **69/20C**
- *mugo* : **15/14**, 18; **18/15**; **22/13**
- *roxburghii* : **55/5**
- *sylvestris* : **03/17**; **77/17C**; **78/14**
- Pinus**, 'Witches' Broom' : **63/11C**
- Pitcher Plant Coin : **16/4C**, **8C**
- Placea** *arzae* : **103/33C**
- Places:**
- Aberdeen, January Sunset :
25/1C Abisko : **37/10**
- Abre del Infiernillo : **107/51C**
- Aconcagua River valley : **113/18C**
- Afendis Dikti : **106/46C**
- Agias Annas pathway : **59/9C**
- Akhisar : **40/8**
- Akrotiri peninsula :
91/5 Alochet :
57/3C, **11C**
- Alfornon gorge :
87/9C
- Alfornon river bed : **87/8C**
- Alhama de Granada : **87/4**
- Alpine Meadow : **24/8C**
- Alpine hillside, Mount Rainier :
33/17C
- Alpine meadow in Olympic
National
Park : **33/13C**
- Andalagláiew to Andalaglá, View :
107/35C
- Antofagasta Region, Chile : **115/5C**
- Aoos Gorge : **75/12**
- Areopoli : **26/10C**
- Arunachal Pradesh : **55/4**
- Astronomical observatory, Gaish :
15/8C
- Athos border sign : **59/4C**
- Athos Peninsula from Mt. Athos :
59/4C
- Awakino River : **18/3**
- Awakino Ski Field : **18/2**
- Balblair Wood : **38/2C**
- Bardas de las Lajas cliffs :
108/61C
- Bariloche : **51/14**
- Bear Valley : **69/60C**
- Benissa : **81/2**
- Bettyhill : **38/9**
- Bhutan, Druk Yul : **55/3**
- Björkliden : **37/22**
- Border to the Monastery state :
59/6C
- Boulder roll : **108/56B**

INTERNATIONAL ROCK GARDEN INDEX 119

- Brora : **38/10**
Cajon Chico : **51/21**
Calapooia Divide, Oregon :
69/23C
Carson Pass : **100/51C**
Caviahue : **51/3**
Campo Cecina : **35/12**
Castle Karlštejn : **78/20C**
Cefalu : **84/11C**
Cerdagne Valley : **77/2C**
Cha Gorge : **106/42C**
Chacabuco Pass : **103/29C, 34C**
Chad Khang : **55/22**
Charles Square Churchyard Gates
:
71/3C
Chichkan Pass : **50/10**
Chilecito : **115/15C, 24C**
Chos Malal : **51/21**
Churchill Narrows : **100/51C**
Church in Tábor : **42/3C**
Cimon della Pala : **40/18**
Colourful field of plants : **32/10C**
Cordón de Chacabuco : **103/39**
Corinth Canal : **26/6C**
Cradock Peak : **80/3**
Cresta de le Sele : **57/2, 2C**
Czech, Memorial to Political
Prisoners :
18/9C
Del Agrio : **51/20**
Demso La : **55/5, 14**
Denizli : **52/13**
Dochu La, prayer flags : **55/2C**
Dunbeath : **38/5**
Dunbeath cliffs : **38/6C**
Dupuyer Creek Valley : **96/10C**
Dzhabagly (Жабagly) : **15/4**
Eastern Crete, landscape :
106/35C
Egridir and Beysehir Lakes : **23/9**
El Torcal Park : **113/81C**
Emauzy Monastery, Church in :
18/13C
Erzurum : **30/16**
Fall colour, Massachusetts : **34/6C**
Ferry Creek Horticultural Society
Show : **21/2**
— — — — Rhodos : **21/2C**
Frederikshavn : **30/3**
Gangkhar Puensum : **55/3**
Gargano peninsula in Southern
Italy :
21/4, 8
Garze (Sichuan) : **45/14**
Gatersleben : **64/3 : 64/3**
Glen Loth : **38/7C**
Golspie : **38/2**
Gortyna : **43/7C**
Great Basin : **11/2C**
Gran Canaria vegetation :
110/57C, 61C
Gran Canaria interior : **110/45C**
Grigorio : **67/2C**
Gündoğmus : **52/11, 21**
Günlüce : **52/15**
High Altiplano of northern Chile :
111/4C
Hillside flower display, Olympic
National Park : **33/16C**
Hong Shan road : **47/15C**
Hottentots Holland : **80/4C**
Hut in Boosemansbos : **80/13C**
Ideon Cave : **43/4, 4C**
Illinois Valley : **69/5C**
Independent Pass : **11/16C**
'Ink-a Lake' : **108/68C**
Izmir : **40/4**
Jericho, The Seven Trumpets of :
36/15C
Jule La : **55/4**
— Down the valley : **55/16C**
Jule Tscho : **55/19**
Kaisareia : **12/10**
Kali Limni : **90/4C**
Karabet Geçidi : **46/5**
Karabet Pass : **46/5; 116/6C**
— Northern Cliff above: **46/5C**
Karlík : **97/30C**
Karlik Church : **12/1C, 2C**
Karpathos Island : **90/2**
Katara Pass : **75/16**
Keillour Castle : **34/2**
KHEMA La : **55/11**
Kodachrome Basin : **10/13**
Kyle of Durness : **38/9C**
Lagada Gorge : **26/8**
Lago Aluminé : **108/73C**
Lago Lácar : **51/16**
Lago Nahuel Huapi : **51/14**

INTERNATIONAL ROCK GARDEN INDEX 119

- Lago Vinnter : **111/44C**
Laguna de la Laja : **101/39C, 47C, 50C**
Lagunas de Epulafquen : **101/51C**
La Hoya : **111/47C**
Lake Abant : **78/25**
Lake Baikal : **54/2**
Lake Huron : **31/16**
Lake Huron shoreline : **31/17C**
Lake Lugu : **39/5C**
Lake Michigan : **31/16**
Lake Torneträsk : **37/10**
Lake Van : **08/4C; 46/5**
La Mejicana mine : **115/29C**
La Rioja plain : **115/50C**
Lasithi plateau : **43/5; 106/38C**
Las Leñas : **63/7C**
Lhasa : **06/15C**
Litang monastery : **54/4**
Loch Fleet habitat : **38/3C**
Loch Leven Lakes trail : **69/36C**
Longyearbyen : **44/8**
Los Libertadores Pass : **113/31C**
Lowlands undergrowth : **115/6C**
Lugu Lake : **28/8; 45/12**
Mackinac Bridge : **31/16, 16C**
Malaga : **87/3**
Malargüe, Mendoza : **110/23C**
Mangechu (Mange River) : **55/4**
Manisa : **40/16; 52/7**
Markam (Tibet) : **45/14**
Mattinata : **116/24C**
Maule Lake : **117/17C, 18C**
Maule Lake eastern : **117/33C**
Maule Region, Chile : **117/4M**
Maule River : **117/5C**
Maule River 'Fairy Castles' : **117/15C**
Maule valley : **117/6C**
Maule waterfall spray : **117/9C**
Meadows on Grizzly Peak : **69/33C**
Medicine Wheel : **11/10**
Me La : **55/4**
Mendoza River : **113/29C**
Mesara Plain : **43/7**
Meseta Somuncurá : **63/4**
Mirador de Nirihuau : **111/55C**
Monument Valley : **95/6C**
Moon Gate, Explorers" Garden : **107/65C**
Moorish azulejos : **87/2C**
Muğla : **52/13**
Nevada County, California : **100/50C**
Nora, ruins : **103/21C**
Northern Lights : **37/11C**
Njupesjär, highest waterfall : **101/26C**
Old Villa Fredheim : **44/11C**
Olympic National Park, View : **33/14C**
Om Tscho La : **55/10**
On the ridge : **57/13C**
Paddy-Go-Easy Pass : **114/51C**
Pajonales Pass : **111/7C, 21C**
Paphos : **91/16**
Passo Rolle : **40/18**
Pelješac peninsula : **71/26**
Pergamon, Ruins of : **40/15C**
Phaestos : **43/7C**
Phrygana : **43/9**
Piano Battaglia : **84/17**
Pichcachén pass : **101/50C**
Pilcaniyeu, Road to : **51/15C**
Piva River : **22/11**
Plain of Catania : **84/27C**
Plitvice Lakes : **22/3**
Point Saint George : **31/2**
Potrerillos reservoir : **113/6C**
Poznan : **11/17C**
Prague - church in Karlov : **18/13C**
Presque Isle County : **31/15**
Pruhonice Castle : **81/39C**
Puente del Inca : **113/5C**
Pulga Bridges : **69/14C**
Quebrada Honda : **94/8C**
— —, View from : **94/8C**
Ragusa-Ibla : **101/30C**
Rahue Pass : **108/73C, 74C**
Rahue Pass Aerial Mast : **108/74C**
Rainbow's end : **107/62C**
Red Fleet Camp Ground, Utah : **10/6C**
Refuge Astraka : **75/21C**
Rifugio Cai Carrara : **35/10**
Rifugio Passo Selle : **57/6**
Río Blanco valley : **113/38C**
Rock Slides : **115/11C**

INTERNATIONAL ROCK GARDEN INDEX 119

- Rodkscape : **115/16C**
Rock Statue : **113/24C**
Roman bridge : **103/22C**
Roztoky : **32/7; 41/6**
St. Mary's Range : **18/3**
— View from : **18/2C**
Sakhalin (Karafuto) : **12/16**
San Andrecito waterfall : **113/26C**
San Carlos de Bariloche : **51/3**
Sangdrup Jongkhar : **55/5**
San Martin de los Andes : **51/16**
San Pellegrino Pass : **27/17, 17C**
Sareni Pasove : **22/12C**
Sassendalen : **44/11C**
Sea fog over the coastal range :
94/9C
Self-catering accommodation :
26/3C
Sheldon Refuge, The : **10/22**
Silver Bow, Mountain view:
100/52C
Six Rivers National Forest : **31/5,**
5C
Skopje : **52/11**
Snow in August, Mount Rainier :
33/18C
Somerset-Sneekop : **80/4C**
Spanish skies : **84/10C**
Statue of Jan Žižka : **42/3C**
Strathy Point & Lighthouse : **38/9C**
Strathy Point : **38/9**
Steamboat Springs : **74/2, 3**
Steppe near Volcán Copahue :
63/5C
Sunset - Balgavies Loch, Angus :
84/1C
Sunsets Crete : **106/46C**
Sunrise over Bangsbo : **24/3C**
Svalbard : **44/7**
Svalbard from air : **44/8C**
Sveabreen Glacier : **44/11C**
Tábor : **32/7; 41/2**
— building decoration : **42/4C**
Tekir Gecidi : **12/10**
Thimpu : **55/5**
Tbilisi Botanic Garden : **119/6C**
Timotesubani Monastery :
119/25C
Tombs of the Kings : **91/16**
Trailside near Paradise : **69/41C**
Turtle Lake : **119/13C**
Tyrrhenian Sea : **84/26C**
Upper Elk Meadows : **69/24C,**
25C
Upper tree limits : **78/2C**
Uschak : **52/11**
Uspallata Valley : **113/5C**
Vachellia caven savannah :
102/40
Vallenar, road from : **104/5C**
Valley in Catamarca Province :
107/37C
Valley of Agaete : **110/44C**
Vancouver Island, Ladysmith :
21/19
Vasilitsa Pass : **75/14**
Vega Altos de Muñoz : **119/86C**
Vieste : **21/8**
Vitendasky valley : **15/5**
Warhang : **55/18**
Warhang Basin : **55/3C**
Waterfall, Mount Rainier : **33/18C**
Water torrent : **38/8C**
Wayle ridge : **110/15C**
Willamette Valley : **69/4**
World Heritage Site of Meteora :
75/18C
Yellow Brick Road : **115/3C**
Yenisarbademli : **23/2**
Yosemite Valley : **32/5C**
Yurt : **15/5C**
Žabljak : **22/11**
Zhongdian Plateau : **45/12; 47/13**
Plantago maritima : **70/10, 10C, 11C**
Planted frames : **109/4C**
Plant Sales : **41/4C, 9C**
Platanus orientalis : **26/4**
Platanthera bifolia : **38/10C**
— obtusata subsp. oligantha : **37/12**
— sp. : **21/6**
Platycapnos spicatus : **81/25, 25C**
Plectranthus amboinicus : **98/46C**
Pleione bulbocodioides : **39/5**
— hookeriana : **55/6, 7**
Plocama calabrica : **23/12**
Podophyllum hexandrum : **45/16, 17,**
17C
Poem - At the foot of a Giant : **90/33-**
35
Polemonium boreale : **44/8**

INTERNATIONAL ROCK GARDEN INDEX 119

- caucasicum : **15/4C**
- pulcherrimum : **11/16C; 56/12C**
- viscosum : **11/11C**

Pollinators

- Bees of Southern Oregon : **83/2**
- Apiaries : **83/15C**

Family Andrenidae : **83/6**

- Perdita spp. : **83/6**

Subfamily Andreninae : **83/7**

- Andrena pertristis, female 9 : **83/4C, 7C**

- sp. : **83/3C**

- Andrena sp. 6 : **83/8C**

- Andrena sp. 9 : **83/9C**

Subfamily Panurginae : **83/9**

- Calliopsis (Nomadopsis) 9 : **83/10C**

- Calliopsis 6 : **83/10C**

Family Apidae : **83/10**

Subfamily Apinae : **83/10**

Tribe Apini : **83/11**

- Apis mellifera : **83/4C, 11**

- Apis mellifera 9 : **83/26C**

- Apis mellifera queen 9 : **83/11C**

- Apis mellifera queen : **83/12C**

- Apis mellifera worker 9 : **83/12C, 13C**

- Apis mellifera stinger : **83/13C**

- Apis mellifera drone 6 : **83/14, 14C**

Tribe Bombini : **83/16**

- Bombus huntii 9 : **83/18, 18C**

- Bombus vosnesenskii 9 : **83/16C,**

- Bombus vosnesenskii 6 : **83/17C**

- Bombus vosnesenskii : **83/17**

- Bombus vandykei : **83/18**

- Bombus vandykei 6 : **83/5C, 17C,**

Tribe Emphorini : **83/1**

- Diadasia sp. 6 : **83/19C**

Tribe Eucerini : **83/20**

- Long horned bee 6 : **83/6C**

- Melissodes sp. 9 : **83/20C**

- Melissodes sp. 6 : **83/20C**

Subfamily Xylocopinae : **83/21**

Tribe Ceratinini : **83/21**

- Ceratina sp. : **83/21C**

- Ceratina sp. 9 : **83/5C**

Tribe Xylocopini : **83/22**

- Xylocopa tabaniformis : **83/1C, 3C, 22C**

Family Halictidae : **83/23**

Subfamily Halictinae : **83/23**

Tribe Halictini : **83/23**

- Agapostemon sp. 9 : **83/23C**

- Halictus ligatus 9 : **83/24C**

- Halictus rubicundus 9 : **83/25C**

- Lasioglossum sisymbrii : **83/26**

- Lasioglossum sisymbrii 9 : **83/26C**

- Lasioglossum sp. 9 : **83/27C**

Family Megachilidae : **83/27**

Subfamily Megachilinae : **83/27**

Tribe Anthidiini : **83/27**

- Anthidium manicatum 6 : **83/28C**

Tribe Megachilini : **83/28**

- Megachile sp. ♀ :

83/29C **Tribe** Osmiini :

83/29

- Ashmeadiella sp. : **83/30C**

- Hoplitis albifrons ♂ : **83/2C,**

30C,

31C

- Mating pair of Osimiini bees : **83/32C**

Polygala amara : **15/14C**

- amoenissima : **119/44C**

- boissieri : **66/17, 17C**

- calcarea 'Lillet' : **17/18C; 87/25C**

- carueliana : **35/13**

- chamaebuxus : **13/8**

- corralitae : **119/91C**

- cretacea : **65/22**

- hohenakeri : **119/16C, 17C**

- microphylla : **81/26, 26C**

- pruinosa : **23/8, 8C**

- rupestris : **87/12, 13C**

- salasiana : **110/12C**

- subspinosa : **10/19, 19C**

Polygonatum curvistylum : **47/15**

- hookeri : **56/11C**

- kasuense : **55/12**

Polygonatum sp. : **119/52C**

Polygonum macrophyllum : **55/12**

- sp. : **34/4C**

- vacciniifolium : **34/4**

Polystichum aculeatum : **119/44C**

- lonchitis : **78/7, 7C**

Pomaderris obcordata 'Mallee

- Princess' : **116/2C**

Ponerorchis chusua : **55/11, 16**

- puberula : **55/5C**

Portulaca fulgens : **119/92C, 93C**

INTERNATIONAL ROCK GARDEN INDEX 119

Potentilla anserina : 70/18C

- arenaria : 03/17; 15/11C
- caulescens : 13/8
- clusiana : 22/14, 14C; 42/5
- davurica mandschurica : 105/20C
- eriocarpa : 65/8C
- fruticosa : 16/9C
- aff. geoides : 75/14C
- lignosa : 46/1C, 6C; 48/1C
- nitida : 08/14; 13/5; 15/17C; 35/6C; 57/4C, 13
- tapetodes : 55/12
- tridentata : 16/6

Pozoa volcanica & Habitat : 51/11C

Primula 'Aire Mist' : 25/8C, 9

- albenensis : 05/7; 13/9
- algida : 101/20C; 119/56C
- allionii : 13/5; 17/12; 19/15; 77/16, 16C
- — var. alba : 25/8, 8C
- — hybrids : 11/22; 117/61
- — x Jackie Richards' : 05/7
- — x P. hirsuta : 117/63C
- amethystina : 47/16C, 19
- x amoena : 119/59
- apoclita : 47/16C
- atrodentata : 55/11
- aureata : 45/5; 79/10C
- auricula : 13/9; 17/12; 28/16; 71/27C
- — var. auricula : 17/12
- — var. ciliata : 17/12
- auriculata : 119/62C
- bellidifolia : 55/16
- bhutanica : 03/13, 13C
- x bilekii : 54/12, 12C
- boreiocalliantha : 47/13, 15, 15C
- bullata var bullata : 92/34, 34C
- bulleyana ssp. beesiana : 39/5, 6C; 45/13
- — Habitat of : 39/5C
- — ssp. bulleyana : 45/13, 13C
- cachemiriana : 53/5C
- calderiana : 29/15C; 55/8, 11
- calyana : 17/4
- capitata : 34/5C
- — var. crispata : 34/3
- 'Carina' : 05/11; 28/16, 16C
- carniolica : 28/16
- caveana : 55/14
- chionantha : 45/15, 15C; 47/16

- chumbiensis : 07/11, 11C
- chungensis : 45/15, 15C
- 'Clarence Elliott' : 117/63C
- clusiana : 15/14C, 18C
- — 'Murray-Lyon' : 54/13
- coelata : 92/32
- cortusoides : 97/18C
- daonensis : 13/8; 15/1C, 12C, 18C; 24/5C; 54/11C, 12
- — forma alba : 02/2, 3C
- deflexa : 45/15, 15C
- deuteronana : 45/5
- 'Drake's Crimson' : 117/6C
- dryadifolia : 05/4
- egaliksensis : 16/6
- elatior : 15/14C
- ellisiae : 56/11, 11C
- elongata : 55/9, 18
- en masse : 109/24C
- forrestii : 92/32B&W
- — : 92/33, 33C, 35C, 36C
- — flowers and leaf forms : 92/34C
- — in seed : 92/35C
- — 'JL-06215' : 92/36C
- — leaf – underside : 92/37C
- x forsteri : 54/12
- x forsteri - natural hybrid : 02/2, 2C
- — subsp. pseudoelatior : 07/10C
- geraniifolia : 55/7, 19
- glabra : 55/20
- glaucescens : 54/13
- glutinosa : 13/3; 57/4C
- grignensis : 13/9; 71/17C
- halleri : 13/4; 27/17
- hirsuta : 13/8; 54/12, 12C; 71/17C
- — subsp. hirsuta : 13/8
- — subsp. valcuvianensis : 13/8, 9, 9C
- hoffmaniana : 27/2, 2C; 29/15C, 17C
- — foliage : 29/15C
- halleri : 56/6, 6C
- hongshanensis : 47/13
- in the alpine house : 109/19C
- integrifolia : 77/8, 8C
- involucreta : 56/7C
- japonica : 56/13C
- kialensis : 27/8
- kisoana alba : 29/16C, 17C
- 'Kusum Krishna' : 05/7
- latifolia : 71/16C; 77/8

INTERNATIONAL ROCK GARDEN INDEX 119

- x 'Lindum' : **17/13C**
- 'Lindum Golden Orb' : **109/20C**
- x loiseleuri : **17/12C**
- — 'David's Dream' : **17/13, 13C**
- — 'Lismore Yellow' : **17/12, 12C**
- longipetiolata : **56/10C**
- macrocalyx : **119/7C**
- macrophylla : **55/8**
- — var. moorcroftiana : **29/17C**
- marginata : **04/13, 20; 08/16; 28/16; 44/6C; 54/14; 77/15C**
- — 'Beamish Variety' : **54/15C**
- — forms : **53/9C; 86/17C**
- — trough : **98/12C**
- — 'Wolkei' : **63/1C, 18, 18C**
- x 'Marven' : **05/11, 11C**
- — 'Napoleon' : **54/14, 14C**
- megalocarpa : **55/10, 11**
- melanops : **47/19**
- meyeri : **119/58C, 59C**
- minima : **13/3, 3C; 54/12; 71/25**
- minor : **47/19**
- mistassinica alba : **16/6, 7C**
- moupinensis : **27/3C; 29/15C**
- munroi : **45/15, 16C; 55/7, 13**
- muscarioides : **56/10, 10C**
- nana (edgeworthii) : **27/4, 4C; 29/16, 16C**
- nanobella : **47/16C**
- nevadensis : **11/3**
- pedemontana : **54/11, 11C**
- petiolaris Sherriff's form : **79/10C**
- poissonii : **39/5**
- polyanthus type : **44/7C**
- primulina : **55/8, 8C, 20, 25C**
- pulchella : **39/5**
- rebeccaе : **07/11, 11C; 55/12**
- recubariensis : **13/9**
- reidii var. williamsii : **56/10C**
- rockii : **28/9**
- rufa : **92/37, 37C, 38C**
- ruprechtii : **119/1C, 23C, 28C, 58C**
- sapphirina : **55/9C, 13, 18, 20**
- scotica : **38/9C; 78/1C**
- secundiflora : **45/15, 15C**
- sikkimensis : **45/15, 16C**
- — var. hopeana : **55/7, 18**
- sinoplantaginea : **47/16C**
- sinopurpurea : **47/16C**
- sonchifolia : **03/13, 13C; 27/4C; 29/16C; 47/16C**
- — group : **13/12**
- 'Stradbrook Lucy' : **117/64C**
- tangutica : **56/9, 9C**
- tenella : **55/20**
- tenuiloba : **55/11, 14**
- tyrolensis : **13/5**
- umbratilis : **55/12, 12C, 19**
- — tenella : **55/18**
- x vallarsae : **13/9**
- veris : **05/3; 65/21**
- villosa : **13/8**
- 'Vivienne' : **17/12C**
- vulgaris : **07/6; 84/14C**
- — Zigana form : **07/7C**
- — subsp. balearica : **07/6**
- — subsp. heterochroma : **07/6**
- — subsp. sibthorpii : **07/6, 6C**
- — — Iznic form : **07/7C**
- watsonii : **56/9C**
- woronowii : **119/33C**
- wulfeniana : **54/13, 13C; 71/26; 87/21, 21C**
- zambalensis : **03/2C**
- Primula Mystery : **53/16-19, 16-19C**
- Protea aurea ssp. aurea : **80/7**
- caespitosa : **80/8, 8C**
- cordata : **80/7**
- cynaroides : **80/5C, 7C**
- lacticolor : **80/6**
- magnifica : **80/12C**
- montana : **80/7**
- — foliage : **80/7C**
- neriifolia : **80/5, 5C**
- rupicola : **80/8, 8C**
- scolopendriifolia : **80/8**
- stokoei : **80/8C**
- venusta : **80/8**
- Prunella grandiflora : **75/15C**
- lacinata : **75/15C**
- Prunus (Cerasus) bornmuelleri : **46/6C**
- prostrata : **05/18; 16/11**
- Prunus tianschanica : **109/46C**
- Pseudorchis albida : **37/12**
- straminea : **37/12**
- Pseudotsuga menziesii : **69/25**
- Pseudolucia collina : **102/48C**
- Pteris cretica : **119/44C**
- Pterocephalus 75/13, 13C
- depressus : **94/32, 32C**
- perennis : **94/30, 30C**

INTERNATIONAL ROCK GARDEN INDEX 119

- — subsp. bellidifolius : **94/30**
- — subsp. perennis : **94/29C**
- pinardii : **16/11; 17/19; 94/31, 31C, 32C; 117/67C**
- — habitat : **94/31C**
- spathulatus : **66/12, 12C, 13C; 93/32C; 94/33, 34C, 35C**
- — habitat : **94/33C**
- Pulmonaria** sp. : **44/7C**
- Pulsatilla** albana : **14/3; 65/27; 119/11C, 60C**
- — subsp. armena : **12/10, 10C, 11, 11C**
- alpina subsp. apiifolia : **13/4, 4C**
- — ssp. austriaca : **56/5, 5C**
- ambigua : **29/2**
- — var. ambigua : **14/1, 2C, 3**
- barbata : **14/2**
- campanella : **14/3; 56/14**
- cernua : **14/3; 65/25**
- chinensis : **65/25**
- dahurica : **65/25**
- grandis : **03/17, 17C**
- — 'Budapest' : **14/3C**
- — forma albiflora : **03/17, 18C**
- integrifolia : **12/16, 16C, 17, 17C, 18, 18C, 19**
- — x *P. vernalis* : **12/17, 17C, 18**
- montana : **14/3**
- multifida : **117/64C**
- 'Papageno' : **71/13, 13C**
- patens : **05/3; 14/3; 63/18C**
- — subsp. flavescens : **14/2C; 117/64C**
- pratensis : **14/3**
- — subsp. bohémica : **03/17**
- — nigricans : **01/14**
- rubra : **14/3**
- sachalinensis : **12/17**
- subslavica : **42/12C**
- turczaninowii : **78/22C**
- vernalis : **02/2, 4C; 04/13, 14; 05/10, 10C; 12/18, 19, 19C; 13/12, 12C; 14/3; 25/2, 2C, 3C, 4C; 27/17; 71/13**
- violacea : **65/28**
- vulgaris : **08/1C, 21, 21C; 65/8C; 109/20C**
- Purple coltsfoot : **78/6, 6C**
- Purple saxifrage : **78/3**
- Purple Toothwort : **21/4**
- Purshia** tridentata : **10/8, 19**
- Puschkinia** bilgineri : **116/6C, 7C, 8C**
- — habitat : **116/7C**
- distribution map : **116/18M**
- kurdistanica : **116/13C**
- — corona : **116/13C**
- — description : **116/3, 16**
- — flower : **116/15C**
- — Seed capsules : **116/15C**
- peshmenii : **116/9C, 11C; 118/70C**
- — corona : **116/10C, 12C**
- — flower : **116/10C, 12C, 13C**
- — seed capsule : **116/12C**
- scilloides : **116/3, 3C, 4C, 5C; 118/70C, 71C, 73C**
- — habitat : **118/71C**
- sp. : **46/9C**
- species table : **116/17**
- Putoria** calabrica : **23/3, 11, 11C, 12C; 48/10C; 66/4C**
- — seed : **23/11C**
- Putoria* calabrica = *Plocama* calabrica
- Pycnophilinopsis** bhutanica : **55/7, 20**
- Pyraecantha** coccinea : **119/45C**
- Pyrethrum** leontopodium : **05/7**
- Pyrola** grandiflora : **04/4, 4C**
- media : **37/18**
- minor : **37/18; 38/2C**
- rotundifolia : **04/4; 37/18; 78/15**
- — subsp. norvegica : **37/18, 18C**
- sp. : **58/13C**
- Quercus** alnifolia : **86/27, 27C**
- bicolor : **86/24, 24C**
- castaneifolia 'Green Spire' : **86/26, 26C**
- cerris 'Argenteovariegata' : **86/23, 23C**
- cerris 'Curly Head' : **86/26, 26C**
- dentata 'Carl Ferris Miller' : **86/22, 22C**
- ellipsoidalis 'Hemelrijk' : **86/23, 23C**
- garryana : **69/3**
- ilex : **86/4**
- kelloggii catkins : **83/9C**
- myrtifolia : **86/25, 25C**
- petraea : **03/17; 13/21**
- — 'Laciniata Crispa' : **86/24, 24C**
- rhysophylla : **86/24, 24C**

INTERNATIONAL ROCK GARDEN INDEX 119

- rubra 'Aurea' : **86/26, 26C**
- sadleriana : **31/7**
- scytophylla : **86/25, 25C**
- velutina 'Rubrifolia' : **86/25, 25C**
- Quillaja saponaria** : **102/47C**

- Raised beds : **109/3C; 114/21C, 22C, 23C, 24C**
- Raised Crevice Garden : **114/21-49**
- Raised rock bed : **109/4C**
- Raised bed with tufa : **77/16C**
- Ramberlea x kistlerae** : **47/2**
- Ramonda myconii** : **47/2, 3C, 10; 65/8C; 71/33C**
- — alba : **47/10C; 48/9C**
- — 'Jim's Shadow' : **47/10C**
- myconii-3 : **47/4D**
- nathaliae **47/1C, 2, 11, 11C, 12C**
- nathaliae-2 : **47/4D; 78/26C**
- — Stamp : **47/11C**
- — JCA686 : **09/14C**
- serbica : **47/2, 5C, 11, 11C**
- serbica-1 : **47/4D**
- spp. : **30/6C**
- Ranunculus acraeus** : **18/1C, 2, 3C, 4C, 5C**
- acriformis : **74/6**
- adoneus : **74/6**
- alismifolius var. montanus : **74/6, 6C**
- alpestris : **13/5C, 6; 14/13C; 71/16C**
- amplexicaulis : **19/4**
- aquatilis : **81/27C**
- asiaticus : **91/1C, 30, 30C; 106/44C**
- cortusifolius : **110/71C**
- cupreus : **106/43C**
- eschschooltzii : **74/6**
- glaberrimus : **74/6**
- glacialis : **13/3; 15/13C, 18C, 19C; 24/5C; 35/9C; 37/12, 15; 40/17C, 18C; 51/6; 57/3, 7C, 11C**
- — subsp. glacialis : **37/22, 22C**
- — — habitat : **37/22C**
- gouanii : **56/3C**
- gramineus : **19/4**
- haastii : **18/2; 25/5, 5C, 6C**
- jovis : **74/6**
- kuepferi : **27/17**
- lyalii : **58/1C, 11, 11C**
- montanus : **22/13**
- nivalis : **44/8C**
- parnassifolius : **04/15C; 12/18; 13/7; 28/4C; 77/5, 5C, 6, 6C**
- peduncularis : **113/23C**
- — var. erodiifolius : **105/53C**
- pollinensis : **35/13**
- repens : **83/4C**
- seguieri : **13/3, 3C; 40/17, 17C, 18, 18C; 48/14C; 57/13**
- semiverticillatus : **51/6, 6C; 71/18C**
- — habitat : **51/7C**
- sericophyllus : **25/4C, 5, 5C**
- sp. : **37/21; 118/72C**
- wettsteinii : **28/2, 4C**
- — Article Excerpt : **28/3**
- — Kew Herbarium specimen : **28/2**
- Redwood (Sequoia) stump : **31/9C**
- Redwoods : **31/14C**
- Reseda alba** : **81/4, 5C**
- phyteuma : **81/4, 5C**
- valentina : **81/4, 5C**
- Retama sphaerocarpa** : **66/5**
- Rhamnus glaucophylla** : **35/12C**
- microcarpa : **65/28**
- Rhapsody in Soft Yellow : **17/11**
- Rheum nobile** : **06/15, 16, 16C; 55/9, 10C, 13, 18**
- — inside flower spike : **55/55/1C; 18C**
- palmatum 'Atropurpureum' : **33/4C, 5**
- Rhinanthus mediterraneus** : **75/21**
- minor : **21/3**
- Rhodanthemum catananche** : **87/1C, 24C**
- Rhodiola crenulata** : **47/17C**
- rosea : **37/15; 78/8, 9C**
- Rhododendron albiflorum** : **74/4**
- anthopogon : **55/10**
- aureum : **97/3, 18C**
- calostrotum : **08/9**
- — 'Gigha' : **08/9C**
- campanulatum : **55/14, 19, 20**
- camtschaticum : **63/12C, 20**
- canadense : **42/6C**
- 'Chipmunk' : **04/13**
- complexum : **47/19; 48/13C**
- — & Habitat : **47/18C**
- 'Dora Amateis' : **53/13C**
- ferrugineum : **15/14C; 35/7C**
- 'Graziella' : **42/10C**

INTERNATIONAL ROCK GARDEN INDEX 119

- hirsutum : **21/5C**
- japonicum : **56/13C**
- keleticum : **56/8C**
- lapponicum : **04/3, 5, 5C; 16/8; 37/15**
- ledebourii : **97/19C, 20C**
- luteum : **119/35C**
- 'Night Sky' : **65/18C**
- nivale : **14/13C**
- nuttallii x lindleyi : **21/2C**
- oreotrepes : **47/13**
- pachysanthum : **53/6C**
- phaeochrysum : **47/19**
- ponticum : **119/36C**
- primuliflorum : **47/19**
- roxieanum : **47/15**
- smirnowii : **119/40C**
- x 'Vltava' : **18/14C**
- wardii : **39/8, 8C**
- 'Wee Bee' : **04/13**
- 'Wren' : **04/13**
- yungningense : **39/8, 8C**
- Rhodohypoxis milloides : 65/10C**
- Rhodophiala andicola : 111/64, 64C**
- araucana : **63/5C**
- Rhodothamnus chamaecistus : 07/3; 13/5**
- Rhus** sp. : **34/6, 8**
- Rhynchospora alba : 78/13C**
- Richteria leontopodium : 109/44C**
- Rigidella orthantha : 45/9**
- Rivers :
 - Abiskoĵåkka River : **37/20C, 21**
 - Aluminé River : **108/79C**
 - Applegate River : **69/3**
 - Bezengii River : **60/3**
 - Columbia River Gorge : **69/8**
 - Çoruh : **56/15**
 - Klickitat River : **21/17**
 - Río Aluminé : **108/80C**
 - Río Barrancas : **105/57C**
 - River Riddongirra : **37/23C**
 - Rogue River : **69/3**
 - Rogue River Valley : **69/2**
 - Smith River, North Fork : **69/15C**
 - Stanislaus River, South Fork : **69/47C**
- Rock, amphibolite : **11/20**
- Rock, Volcanic : **57/7C**
- Rock garden building, Wisley : **17/3B**
- Rock Garden Journal** on Line : **44/21**
- Rock Garden, Nature's : **15/15C, 16C, 19C**
- Rock Garden Railway : **17/2B**
- Rock Garden :
 - Balatka, Jiří : **41/20C, 21C**
 - Bartůněk, Jiří : **41/11C**
 - Garden View : **41/12C**
 - Table-Top garden : **41/12C**
 - Beauty Slope : **42/1C, 14C, 15C, 17C, 18C, 19C, 20C, 21C; 78/20**
 - — autumn : **86/28C**
 - — in Flower : **42/16C**
 - — View : **42/13C**
 - Brejník, Martin : **41/14C, 15C**
 - Čepička, Stanislav : **41/16C, 17C**
 - 'Czech' outcrop at Erfurt : **71/4C**
 - Flat outcrop : **71/7C**
 - Garden Flood : **60/10C**
 - Halada, Milan : **41/18C, 19C**
 - Holubec rock garden : **42/6C, 7C, 12C**
 - KSP show garden : **71/7C**
 - Odvárka, Milan : **41/9C**
 - Old Conifers in the rock garden : **71/32C**
 - Ota's Mature Rock Garden : **71/19C, 20C, 21C, 22C, 28C**
 - Papoušek, Jiří : **41/6C, 7C**
 - Pospíšil, Jiří : **41/13C, 14C**
 - Prague Society : **41/25C; 42/23C, 24C**
 - Rock Garden : **42/12C; 63/11C**
 - Rock Garden, Building : **86/14C**
 - Rock Garden & Iris : **41/1C**
 - Rock Garden, Red Sandstone : **41/18C**
 - Rock Garden, view : **86/15C, 16C, 17C, 18C; 105/9C**
 - Rock works : **42/8C**
 - Sládek, Jiří : **41/13C**
 - Staněk, Vladimír : **41/10C**
 - Stireman, John Rock Garden : **110/81C**
 - Vlasák, Ota : **41/22C**
 - Vostřák, Václav : **41/10C, 11C, 23C**
 - Wisley 1914 : **17/4B**

INTERNATIONAL ROCK GARDEN INDEX 119

- Wisley 2003 : **17/5C**
Wisley 2004 : **17/5C**
Wisley 2011 : **17/5C**
Rock speedwell : **78/3**
Rock work : **100/54C**
Romulea columnae : **75/22, 22C, 26, 26C; 81/17, 17C; 92/16, 16C**
— — subsp. grandiscapa : **110/79, 79C**
— ligustica : **103/9, 9C**
— requienii : **103/10C**
— tetragona : **104/65C**
Rosa 'Dortmund' : **117/68C**
Rosa heckeliana : **75/20C**
— rugosa : **70/21, 21C, 22C**
— — in fruit : **70/21C**
— spinosissima : **70/21C**
Roscoea alpina : **55/6**
— humeana : **45/13, 13C**
— — alba : **101/22C**
— purpurea : **55/22C**
—? sp. nov. : **55/23, 23C, 25C**
— tibetica : **39/5**
Roseroot : **78/9C**
Rosmarinus officinalis : **81/28**
Rosularia libanotica : **82/1C, 18, 18C**
Rosulate Violas : **110/2-40**
Rothmaleria granatensis : **66/14, 14C**
Rubus armeniacus : **83/12C**
— chamaemorus : **37/14, 14C; 78/10, 11C**
— saxatilis : **37/23**
Ruscus aculeatus : **87/10, 11C**
Rydbergia grandiflora : **11/16C**
— grandiflora = *Hymenoxys grandiflora*

Saffron : **92/18C**
— crocus, print of : **92/27C**
— gatherers, Minoan : **92/19C**
— picking : **92/24C**
— sharoyan, USSR Stamp : **44/19C**
— stigmas : **92/24C**
Sagebrush : **10/6**
Sagina nodosa : **16/5, 5C**
Salix apennina : **35/13**
— arbuscula : **37/13**
— arctica : **16/8**
— — var. petraea : **04/13**
— x boydii : **04/13**
— hastata : **37/18**
— — subsp. hastata : **37/13**
— herbacea : **58/8C, 9; 78/14**
— hylematica : **25/14C**
— jejuna : **04/13**
— lanata : **37/13; 71/31C; 78/14C**
— lapponum : **78/14**
— polaris : **37/13, 18**
— reticulata : **37/13; 77/14; 78/14C**
— retusa : **04/13**
— spp. : **14/7; 37/13C, 21**
— stolonifera : **04/5**
Salvia caespitosa : **16/11**
— aff. caespitosa : **30/13, 13C**
— canariensis : **110/64C**
— compar : **119/11C**
— daghestanica : **119/6C**
— sclarea : **83/22C**
— wardii : **55/21**
Sanguinaria canadensis f. multiplex : **34/11**
Santolina elegans : **66/10**
— leucantha : **35/13**
Sa Nuraxi : **103/21C**
Saponaria 'Bressingham' : **105/14C**
— glutinosa : **75/19**
— ocymoides : **15/14C**
— x olivana : **86/17C**
Sardinian menhirs : **103/3C**
Sarmienta repens : **47/12C**
Satellite dish crevice planter : **82/10C, 11C, 13C**
— — — planters : **82/12C**
Saussurea alpina : **78/10, 10C**
— gossypiphora : **55/14, 15C**
— gnaphalodes : **109/46C**
— obvallata : **55/13**
Saxes at Waterperry : **35/19C**
Saxifraga aizoides : **15/17C; 16/6; 37/11, 11C, 19; 38/7, 8C; 78/7, 7C**
— 'Allendale Allure' : **48/6C**
— 'Allendale Amber' : **35/17C**
— 'Allendale Ballet' : **35/17C**
— 'Allendale Beauty' : **35/18C**
— 'Allendale Betty' : **35/17C**
— 'Allendale Bonny' : **35/15C**
— 'Allendale Bravo' : **35/14C, 15C**
— 'Allendale Charm' : **35/14C, 16C**
— 'Allendale Citation' : **35/17C**
— 'Allendale Elegance' : **35/19C**

INTERNATIONAL ROCK GARDEN INDEX 119

- 'Allendale Elf' : **109/13C**
- 'Allendale Enchanter' : **35/17C**
- 'Allendale Fairy' : **35/15C**
- 'Allendale Frost' : **35/18C**
- 'Allendale Ghost' : **35/17C**
- 'Allendale Goblin' : **35/18C**
- 'Allendale Harvest' : **35/18C**
- 'Allendale Hobbit' : **63/19C**
- 'Allendale Ina' : **35/17C**
- aretioides : **19/5**
- 'Auguste Renoir' : **109/13C**
- aurea : **44/10**
- bathoniensis : **17/4**
- bed : **109/11C**
- bergenioides : **55/14**
- brunonis : **21/20, 20C, 21C; 55/8**
- — seed capsule : **21/22C**
- bryoides : **15/19C; 57/4C, 8C**
- burseriana : **03/18**
- — 'Manfred' : **78/21C**
- — Wisley form : **63/19C**
- caesia : **15/11, 11C, 15C, 17C; 57/9C**
- callosa subsp. callosa in the wild : **14/9C**
- — subsp. catalaunica : **33/8**
- camposii : **81/33, 33C**
- candelabrum : **27/10**
- catalaunica : **33/1C, 8, 8C, 9, 9C**
- x caroli-langii : **02/10, 10C, 11; 32/11C**
- cernua : **78/6, 6C**
- cespitosa : **44/10C, 13, 13C; 78/3, 4C, 19**
- 'Cloth of Gold' : **65/7C**
- cochlearis minor : **14/5C**
- 'Coolock Kate' : **114/29C**
- crustata : **57/13C**
- cultivars : **85/2**
- cumulus : **115/87C**
- cymbalaria : **119/39C**
- 'Dawn Frost' : **109/16C**
- dinnikii : **02/11C; 07/4; 28/13, 13C; 60/6C**
- — 'Floralpin' : **60/3, 3C, 4, 4C**
- — forma alba : **60/3**
- — 'Jindriska' : **95/29C**
- — Pink Forms : **60/5C**
- x doerfleri 'Tycho Brahe' : **117/64C**
- erioblasta : **66/13, 13C**
- felineri : **19/5, 5C**
- ferdinandi-coburgii : **20/12C; 84/5C; 97/27C**
- — 'Dracula' : **03/18; 65/16C**
- fortunei : **34/8, 8C**
- 'Francis Cade' : **08/6C**
- hemisphaerica (female form) : **55/14, 14C**
- hirculus : **44/13C; 101/6C**
- in flower : **109/12C**
- iranica : **101/6C**
- 'Jenkinsiae' : **65/16**
- 'John Byam-Grounds' : **117/ 58C**
- 'Joyce Carruthers' : **10/23C**
- Jubilee Class : **109/14C**
- juniperifolia : **119/60C**
- 'Kathleen' : **35/14**
- kolenatiana : **119/12C**
- kotschyi : **46/6**
- x 'Lenka' : **03/18, 18C**
- 'Lidice' : **14/13C**
- lingulata subsp. lingulata : **35/14**
- longifolia : **14/12C; 17/4; 18/20; 71/6; 77/16, 16C**
- ludlowii : **04/18**
- luteo-viridis : **23/4, 4C**
- lyallii : **04/6**
- lychnitis : **55/14**
- magellanica : **113/24C**
- marginata : **02/11C, 04/20; 22/11, 13**
- — var. coriophylla : **02/10, 10C**
- — 'Minor' : **28/16**
- — white : **77/16C**
- 'Mariella' : **28/16C**
- media : **77/7**
- moschata : **22/13; 57/9C; 119/11C**
- nelsoniana subsp. aestivalis : **97/20C**
- nivalis : **78/3, 4C**
- oppositifolia : **10/12; 21/4C; 22/13; 28/13, 14C; 38/7C; 44/13, 13C; 57/10C; 58/10, 10C; 65/15C; 78/3, 4C; 79/15C; 97/30C**
- — A. C. U. Berry' : **04/14C**
- — in Habitat : **54/10C**
- paniculata : **13/8; 15/10C, 11C; 16/3; 22/13; 57/9C, 10C; 75/20; 119/60C**
- pedemontana subsp. cymosa : **75/11C**

INTERNATIONAL ROCK GARDEN INDEX 119

- x poluanglica : **109/13C**
- x poluanglica 'River Thame' : **63/19**
- poluniniana : **03/18**
- pubescens : **77/7, 7C**
- cf. pulchra : **47/13C**
- 'River Thame' : **63/19C**
- rivularis : **37/22**
- rupicola : **39/12**
- sancta : **12/3**
- x schachtii : **84/2, 3, 3C, 4C, 7C**
- — foliage : **84/5**
- — sepals and buds : **84/6C**
- sempervivoides : **77/16C**
- sempervivum : **20/18, 19C**
- scardica : **16/17**
- 'Southside Star' : **114/39C**
- sp. : **35/7C**
- stellaris : **78/3, 4C, 15, 19C**
- thiantha var. citrina : **55/11, 11C**
- 'Tysoe Adrian' : **85/18, 18C**
- 'Tysoe David' : **85/19, 19C**
- 'Tysoe Dream' : **85/14, 14C**
- 'Tysoe Easter-Joy' : **85/10, 10C**
- 'Tysoe Elegance' : **85/21, 21C**
- 'Tysoe Flamingo' : **85/3C**
- 'Tysoe Heather-Rowland' : **85/4, 4C**
- 'Tysoe Joe Elliott' : **85/17, 17C**
- 'Tysoe Kangchenjunga' : **85/9, 9C**
- 'Tysoe Linnet' : **85/12, 12C**
- 'Tysoe Magenta' : **85/16, 16C**
- 'Tysoe Polka' : **85/8, 8C**
- 'Tysoe Ptarmigan' : **85/13, 13C**
- 'Tysoe Radiance' : **85/15, 15C**
- 'Tysoe Ralph Haywood' : **85/20, 20C**
- 'Tysoe Rick Lambert' : **85/5, 5C**
- 'Tysoe Salsa' : **85/6, 6C**
- 'Tysoe Samba' : **85/7**
- 'Tysoe Whitethroat' : **85/11, 11C**
- 'Tzar Boris' : **84/8C**
- valdensis : **33/9**
- wendelboi : **09/13, 13C**
- 'Winifred Bevington' : **65/8C**
- 'Yellow Rock' : **63/19C**
- 'Zlatý Kůň' : **117/ 58C**
- Saxifraga planted wall : **71/6C**
- Saxifrages in flower : **98/1C**
- Scabiosa** canescens : **22/13, 13C**
- crinita : **68/13C**
- — seed : **68/13C**
- holosericea : **35/13**
- pulsatilloides : **66/15, 16C**
- — Alba : **66/15C**
- — in bud : **66/15C**
- silenifolia : **42/5**
- Scabiosa** volanovskyana : **119/45C**
- Scadoxus** puniceus : **104/65C**
- Scandinavian Mountains, Plant hunting : **37/10**
- Scheuchzeria** palustris : **78/13C**
- Schizanthus** alpestris : **94/23C; 103/48, 49C; 111/16C**
- candidus : **94/16**
- grahamii : **63/7C**
- hookeri : **113/32C; 117/13C**
- Schizocodon** soldanelloides
var.ilicifolius : **56/13**
- Schizopetalon** maritimum : **94/17**
- Schizostylis** coccinea : **34/4**
- sp. : **34/3**
- Scilla** autumnalis : **57/21C**
- bifolia : **40/6, 6C; 75/6C; 114/82C**
- (or Fessia) furseorum : **09/4**
- haemorrhoidalis : **110/78, 78C**
- morrisii : **09/14C; 91/11, 11C**
- puschkinoides : **116/3C**
- rosenii : **119/31C**
- — habitat : **119/31C**
- siberica 'Spring Beauty' : **65/15C**
- verna : **19/4**
- winogradowii : **119/35C**
- Scorzonera judaica = S. pseudolanata
- Scorzonera** judaica : **16/11, 11C**
- sp. : **16/11, 11C**
- Scree & Rock Garden, Natural : **15/18C**
- Scree slopes : **15/17C**
- Scrophularia** lunariifolia : **119/39C**
- Scutellaria** orientalis subsp. pectinata : **30/13, 14C**
- Scutellaria** orientalis : **119/12C**
- Scutellaria** przewalskyi : **109/44C**
- Seaside habitat trough : **70/27C**
- Seaside rock garden : **70/6, 6C**
- Sebaea** sp. : **34/12**
- Sedum and Sempervivums : **34/8C**
- oreades : **55/9**
- Sedum** acre : **70/19C**
- album : **81/26, 26C**
- dasyphyllum : **119/46C**
- dasyphyllum subsp. dasyphyllum
var.mesatlanticum : **82/20, 20C**

INTERNATIONAL ROCK GARDEN INDEX 119

- pilosum : **56/6C; 119/12C**
- roseum : **78/9C; 97/20C**
- sp. : **34/4C; 35/7C**
- spectabile purpurea : **34/4**
- villosum : **78/8C**
- Seed Photo Project : **68/12**
- Selaginella** selaginoides : **78/17C**
- Sempervivum** arachnoideum : **08/16;**
13/19; 14/19, 19C; 22/10C; 42/13C;
71/6; 79/15C; 98/39C
- — 'Red Spider' : **65/17**
- — tomentosum : **65/11, 12C**
- calcareum : **13/19C**
- ciliosum : **20/10**
- — var. ciliosum : **20/12, 12C**
- cvs. : **14/6**
- furseorum : **09/4**
- heufellii : **75/11C**
- hybridum : **13/20C**
- kosaninii : **13/19; 22/14; 42/5**
- marmoreum subsp. erythraeum :
116/2C
- sp. : **12/15, 15C; 119/13C, 62C**
- Senecio** abrotanifolius subsp.
carpathicus : **75/9C**
- adenotrichius : **103/48, 49C**
- brachychaetus : **35/13**
- gilliesii : **105/41C**
- incanus : **15/12C**
- kleinia : **110/59C**
- leucophyllus : **77/5, 5C**
- pauciflorus : **04/6**
- paupercula : **16/6, 6C**
- poeppigii : **51/12C**
- Senna** arnottiana : **110/19C, 20C**
- crassiramea with ants : **107/57C**
- Sequoia forest : **69/54C**
- Serapias** aphroditae : **91/27, 27C**
- apulica : **116/52, 52C**
- bergonii : **67/13, 13C; 91/16, 16C,**
27; 116/52, 52C
- cordigera : **84/39C**
- ionica : **114/72, 72C**
- levantina : **91/31, 31C**
- lingua : **19/7, 7C; 34/16C; 67/14,**
14C;
84/39C; 103/25, 25C; 114/72C
- orientalis : **67/14, 14C**
- orientalis var. orientalis : **84/40**
- — var. siciliensis : **84/40C, 41C**
- parviflora : **103/25C**
- vomeracea : **84/39C; 116/53C**
- Seseli** caespitosum : **17/4**
- petraeum : **119/52C**
- hepherdia** canadensis : **16/8, 8C**
- Shibateranthis** byunsanensis : **49/5**
- pinnatifida : **49/7**
- sibirica : **49/8**
- Shortia** galicifolia : **79/10C**
- with seedpod : **79/15C**
- soldanelloides : **88/29C**
- uniflora : **87/21C, 22**
- — var. kantoensis : **13/12C**
- Shoshonea** pulvinata : **05/6; 31/19**
- Shows :**
Prague show 2010 : **32/11C**
- Sibbaldia** procumbens : **37/18; 78/8C**
- purpurea : **39/12, 12C; 55/20**
- Sibbaldiopsis** (Potentilla) tridentata :
16/6
- Sidalcea** glaucescens : **83/19C**
- Sideritis** athoa : **12/10**
- trojana : **12/10**
- Silene** acaulis : **04/13; 10/12; 11/9;**
13/6;
14/6, 7; 16/3, 5, 6; 21/4C, 6C;
35/7C;
37/17; 44/13C; 56/4, 4C; 57/13;
58/10,
10C; 78/3C; 97/29C
- — 'Frances' : **14/5C**
- — Isfjorden, Svalbard : **48/4C**
- — subsp. subcaulescens : **11/11C**
- alpestris : **22/13**
- argaea : **12/10**
- bolanthoides : **05/18, 18C; 12/6, 9,**
9C
- caroliniana 'Red Wherry' : **18/16C**
- colorata : **81/26, 27C**
- dioica : **37/22**
- hookeri subsp. bolanderi : **31/13C**
- maritima : **38/6C**
- hifacensis : **81/7, 7C**
- hookeri ingrammii : **109/19C**
- intonsa : **75/12, 13C**
- — habitat : **75/13C**
- involucrata subsp. furcata : **44/8C**
- oreades : **23/4, 9**
- parnassica : **22/13**
- petersonii var. minor : **10/13**

INTERNATIONAL ROCK GARDEN INDEX 119

- pichiana : **35/13**
- saxifraga : **23/9**
- uniflora : **70/9C, 10C**
- vallesia : **56/14C**
- Silybum** marianum : **81/31C**
- Siphocampylus** argentinus : **107/38C, 39C**
- Sisyrinchium** chilense : **119/97C**
- douglasii : **63/16, 17C**
- graminifolium : **94/17C**
- humile : **108/85C**
- idahoense var. macounii 'Album' : **65/11C**
- laetum : **51/21C; 108/86C; 110/11C; 117/33, 33C**
- macrocarpum subsp. laetum : **105/29C**
- Slesa Fortress : **119/13**
- SLIZE expedition : **16/12**
- Societies :
 - Czech Rock Garden Society : **32/7** — 2013 International Conference : **32/7, 11**
 - N. Z. Alpine Garden Society : **32/6** — 2013 Study WE : **32/6**
- Solanum** remyanum : **111/24C**
- Soldanella** alpina : **02/2, 4C; 13/4; 27/17**
- at Bangsbo : **13/12C**
- carpatica : **06/10C**
- clusii : **17/4**
- sp. : **28/11C**
- sp. - Dolomites : **06/10C**
- sp. - Watercolour : **06/C10**
- Solenomelus** andinus : **117/32**
- Solidago** purshii : **16/6**
- virgaurea : **37/19**
- Solms-laubachia** baiogoinensis : **03/7, 8; 04/18, 18C**
- linearifolia : **03/9C**
- prolifera : **03/7, 7C, 8, 8C; 04/18**
- pulcherrima : **03/9**
- retropilosa : **03/9**
- species ? nova : **04/18, 19C**
- xerophyta : **03/9C**
- zhongdianensis : **03/9C; 47/19**
- Sonchus** congestus : **110/50, 50C, 51C**
- leptcephalus : **110/51, 51C**
- pinnatifidus : **110/69, 69C**
- Sparaxis** bulbifera : **114/62C**
- Spatalla** colorata : **80/6**
- incurva : **80/6**
- nubicola : **80/6, 7C**
- paralis : **80/7C**
- Sphaeralcea** caespitosa var. caespitosa : **10/1, 2, 2C, 3, 15**
- — var. williamsiae : **10/2**
- Sphex** latreillei : **103/50C**
- Spiegel Garden : **105/3**
- Spiegel Garden Views : **105/4C**
- Spongiocarpella** nubigena : **39/12, 12C**
- Sprekelia** formossissima: **98/40C**
- Spring Fears and Hopes : **28/10**
- Spongiocarpella** nubigena : **47/13C**
- Spring in an Aberdeen Garden : **53/2 - 15**
- Spruces, Dwarf : **77/13C**
- Stachys** byzantina : **83/28C**
- grandidentata : **111/22C**
- lavandulifolia var. lavandulifolia : **04/13**
- philippiana : **103/32, 32C**
- Stamps :
 - Campanula formanekiana : **19/8C**
 - Cotula atrata : **18/7C**
 - Dafni Monastery : **59/6C**
 - Eranthis stamps : **49/10**
 - Greta Garbo : **21/12C**
 - Kyrgyz stamp of Haly's Pit Viper : **15/7C**
 - Ramonda nathaliae : **47/11C**
 - Jankaea heldreichii : **47/2C**
 - USA Winter Floral Stamps : **49/11C**
 - Viola delphinantha : **03/12C**
 - Viola kosaninii : **03/12C**
- Staphylea** colchica : **119/53C**
- Starry saxifrage : **78/3**
- Statues :
 - Europa on Bull : **19/2C**
- Stellaria** humifusa : **44/10**
- Stellera** chamaejasme : **45/13, 14**
- — var. chrysantha : **45/14C**
- — Forms : **45/14C**
- Stenandrium** dulce : **107/53, 53C**
- Stephanocaryum** olgae : **15/6, 6C**
- Sternbergia** clusiana : **16/14**
- colchiciflora : **76/32**
- fischeriana : **02/14, 14C**

INTERNATIONAL ROCK GARDEN INDEX 119

- lutea : **02/14; 92/9C, 10, 10C, 11C**
- sicula : **14/10; 26/8C; 34/8C; 106/45C**
- — subsp. lutea : **71/1C, 3C**
- Sternbergias** in the snow : **26/7C**
- Stipa** capillata : **05/3**
- Field of : **63/5C**
- joannis : **03/18**
- pennata : **65/22**
- Stokesia** laevis cyanea : **34/4**
- Streptocarpus** various : **109/10C**
- Stylophorum** diphyllum : **68/3, 6C**
- — flower : **68/7C**
- — seed pod and leaf : **68/7C**
- — leaf peduncles : **68/8C**
- — seed : **68/4**
- lasiocarpum : **68/3, 8C**
- — leaves and flowers : **68/9C**
- — seed pods : **68/9C**
- — seed : **68/4**
- Swertia** hookeri : **55/20**
- Symbiosis** with microbes : **14/18**
- Symphyotrichum** glabrifolium : **105/46C**
- Syneilesis** aconitifolia : **65/24**

- Taming the Wild Buckwheat : **100/3 - 52**
- Tanacetum** armenum : **23/7C**
- densum subsp. amani : **116/19C, 20C, 21C**
- — — description : **116/19**
- — — herbarium : **116/21C**
- haradjanii : **116/19, 20C, 22C**
- Tarasa** humilis : **63/8C**
- Taraxacum** arcticum : **44/1C, 8C**
- Tchihatchewia** isatidea : **114/35, 35C**
- Tecophilaea** Corms : **29/13C**
- 'Craigton Cloud' : **29/12C**
- 'Craigton Snowdrift' : **29/12C**
- Cultivation : **29/13**
- cyanocrocus : **29/1C, 9C, 10, 10C, 11, 11C; 33/5**
- — forms : **33/6C**
- — var. leichtlinii : **29/10, 10C, 11, 14C**
- — var. violacea : **29/10, 10C, 11**
- Seed & Pods : **29/12C**

- Telesonix** heucheriformis : **31/19, 19C, 20**
- jamesii : **11/3; 31/20, 20C**
- Telopea** speciosissima : **34/15C**
- Tephrocactus** articulatus var. articulatus : **107/28C**
- — var papyracanthus : **107/29C**
- Tetraneuris** acaulis : **11/20**
- lapidicola : **11/20**
- Teucrium** ronnigeri : **81/6, 6C**
- Thalictrum** alpinum : **78/10, 11C**
- calabricum : **84/33, 33C**
- chelidonii : **55/23**
- delavayi : **115/59C**
- orientale : **33/7, 7C**
- petaloideum : **56/14**
- Thermopsis** alpina : **45/14, 14C**
- barbata : **45/13, 14, 14C**
- smithiana : **45/14, 14C**
- Thlaspi** alpinum : **57/13**
- bellidifolium : **04/23, 23C; 97/29C**
- rotundifolium : **13/3; 20/9; 57/13**
- stylosum : **28/11**
- Thymelaea** coridifolia subsp. dendrobryum : **19/6C, 7**
- tartonraira subsp. valentina : **66/5C**
- Thymus** integer : **91/23, 23C**
- longiflorus : **66/14C**
- praecox subsp. arcticus 'Minus' : **04/13**
- pulvinatus : **12/10**
- sp. : **02/3; 15/12C; 35/6C**
- Tigridia** durangensis : **45/9, 9C**
- hallbergii subsp. hallbergii : **45/10C**
- orthantha : **45/9, 9C**
- pavonia & honey bee : **45/8C**
- pavonia : **45/1C, 6, 7 - 8, 7C, 10C**
- — forms : **45/11C**
- vanhouttei : **45/10C**
- Tilia** platyphyllos : **22/3**
- Tofieldia** glutinosa : **16/6, 7C**
- pusilla : **16/6; 37/15; 78/17C**
- Tonestus** pygmaeus : **11/9, 9C**
- Townsendia** : **95/2-17**
- Townsendia** condensata : **11/18C, 20**
- exscapa : **05/6; 95/13, 13C**
- foliage : **95/2C**
- glabella : **95/5, 6, 6C**
- grandiflora : **95/9, 9C**

INTERNATIONAL ROCK GARDEN INDEX 119

- hookeri : **05/6; 11/21, 22C; 95/12, 12C**
- incana : **05/6; 87/24C; 95/9C, 10, 10C**
- jonesii : **95/11, 11C**
- leptotes : **11/20; 95/14, 15, 15C**
- montana : **05/6; 10/17C; 11/20; 95/3**
- nuttallii : **05/6**
- parryi : **11/20; 95/4, 8, 8C; 114/46C**
- rothrockii : **05/6, 7; 11/20; 95/3, 14, 14C**
- spatulata : **05/6, 6C, 7; 95/16, 16C**
- — 'Cottonball' : **95/17, 17C**
- — — seedlings : **95/4C**
- — 'Wilcoxiana' : **95/3**
- — wilcoxiana? : **95/3C**
- taproot : **95/5C**
- trough : **95/4C**
- Traubia modesta : 94/4C**
- Traunsteinera globosa : 21/7C**
- Travertine, Soft - tufa : **28/15**
- Tremacron aurantiacum : 47/12C**
- Trichocereus candidans : 113/7C, 8C**
- huascha : **115/8C, 115/9C**
- Trichocline aurea : 103/47, 47C**
- Tridax procumbens : 94/10C**
- Trifolium pratense: 70/17C**
- uniflorum : **106/47C**
- Trillium in bud : 44/7C**
- Trillium angustipetalum : 69/46, 46C**
- grandiflorum roseum : **115/85C**
- ovatum : **74/4**
- — 'Roy Elliott' : **09/3C**
- rivale : **53/9C; 69/5**
- Tristagma ameghinoi : 110/8C**
- atreucoense : **110/9C**
- nahuelhuapinum : **111/62, 62C**
- nivale : **51/7, 7C; 105/52C**
- patagonicum : **51/21C**
- Tristerix aphyllus : 103/1C, 51C**
- Triteleia hendersonii : 83/27C**
- Trollius asiaticus : 97/3, 21C**
- europaeus : **27/17; 37/13, 13C, 21; 78/15**
- ledebourii : **56/14**
- (Hegemone) lilacinus : **15/3C, 4; 109/45C**
- patulus : **119/30C**
- sp. : **97/24C**
- vitalli : **97/3, 21C**
- Tropaeolum austropurpureum : 94/3C**
- azureum : **103/31C, 32C; 113/2C**
- incisum : **51/3, 4C**
- looseri : **103/4C**
- polyphyllum : **33/7; 63/8C**
- speciosum : **94/1C**
- x tenuirostre : **98/28C**
- tricolor : **94/21C; 103/31C; 104/5C**
- Trough : 14/4C; 28/5C**
- Trough Garden, Wooden : **86/13C**
- Materials : **79/16, 16C, 17C**
- Planting up : **14/7C; 68/18; 79/20C**
- Saxifrage : **68/1C**
- Stony : **77/14C**
- Workshop : **41/5C**
- Trough, The Lightweight : 93/3**
- completed : **93/8C**
- construction : **93/4, 4C, 5C, 6, 6C, 7, 7C**
- Little Cement : **93/2C**
- materials : **93/3C**
- planted : **93/15C, 16C, 17C, 18C**
- various : **93/9C, 10C**
- various stages : **93/11 – 14C**
- Troughs : **68/14C**
- Trough 1 : **68/15C**
- Trough 2 : **68/15C**
- Trough 3 : **68/16C**
- Trough 4 : **68/16C**
- Trough 5 : **68/17C**
- Trough 6 : **68/17C**
- Troughs in Franz' garden : 14/9C**
- Ideas : **14/4**
- Filling : **14/6C**
- Planted : **18/17C**
- Trough Area : **109/3C**
- Trough, Granite: **77/14C**
- Troughs, Hollowed tree trunks : **77/12C, 24C**
- Troughs, Planting up your : 98/2-15**
- Troughs, Tufa and Cleft Construction,**
- Ideas for : 14/4 – 8**
- Trowels, Collection of : **25/16C**
- Tufa Block Plantings : **79/9C**
- Tufa boulder, Giant: **28/14C**
- Tufa Kingdom : **28/12, 12C**
- Tufa raised bed : **78/23C**
- Tufa Wall : **41/6C; 109/5C**
- Tufa Wall & Harry Jans : **06/15, 15C**

INTERNATIONAL ROCK GARDEN INDEX 119

- Tufted saxifrage : **78/3**
Tulipa agenensis : **91/31, 31C**
— armena var. armena : **04/21**
— aucheriana : **65/16C, 17C**
— berkariensis : **109/32C, 34C, 36C, 38C, 39D**
— — 'Little Ilze' : **109/36C**
— — 'Morning Star' : **109/35C**
— — description : **109/26, 33**
— — herbarium : **109/38C**
— — red : **109/37C**
— — seed pod : **109/38C**
— — stolons : **109/32C**
— carinata : **114/4C**
— cretica : **106/41C**
— cretica var. alba : **106/41C**
— greigii : **15/5; 109/27, 27C, 31C**
— — 'Sunset' : **109/28C**
— humilis : **118/54C, 75C, 77C**
— — habitat : **118/75C, 76C**
— — 'Little Beauty' : **98/33C**
— lemmersii : **16/2C, 2**
— linifolia : **98/33C**
— micheliana : **118/79C**
— montana flava : **118/80C**
— — var. chrysantha : **118/80C**
— orithyioides : **114/4C**
— orthopoda : **16/1C, 2; 109/28C**
— polychroma : **118/81C, 82C**
— sp. ?nova : **118/78C, 79C**
— sprengeri : **46/12, 12C, 13C, 14C, 15C**
— — seedheads : **46/15C**
— sylvestris : **14/10C; 116/53C**
— systola : **118/82C, 83C, 84C**
— ulophylla : **118/84C, 85C, 86C**
— vvededyenskyi : **98/35C**
— wilsoniana : **118/87C, 88C**
— zonneveldii : **93/19 - 23**
— — bulbs and tunics : **93/22C**
— — diagnosis : **93/20**
— — floral parts : **93/23C**
— — in type location : **93/23**
— — seedpod : **93/22C**
— — seeds : **93/22C**
- Usnea longissimi(lichen) : **97/3**
- Vaccinium** microcarpum : **37/14; 78/19**
— myrtillus : **78/15**
— oxycoccus : **37/14**
— uliginosum : **78/15**
— — subsp. uliginosum : **37/14**
— vitis-idaea : **78/15; 97/22C**
— — subsp. vitis-idaea : **37/15, 15C**
Vachellia caven : **103/39, 40C**
Valeriana boelckii : **111/64C**
— moyanoi : **51/12C; 111/57, 57C**
— philippiana : **51/20, 21C**
Vases, Emile Gallé : **92/17C**
Vella spinosa : **66/7C**
Veratrum fimbriatum : **62/13, 13C**
— californicum subsp. californicum : **62/18C**
— formosanum : **62/13**
— insolitum : **62/17, 17C**
Verbascum x 'Letitia' : **08/13C; 32/12C**
phoeniceum : **119/21C**
Verbena bonariensis : **34/5**
Vermeulenia papilionacea : **103/13, 13C; 114/63C**
— — rubra : **103/13; 116/51, 51C**
— papilionacea v. vexillifera x Herorchis longicornu : **103/14, 14C**
— papilionacea vexillifera : **103/13**
— vexillifera rubra forma intense : **103/14**
Veronica bombycina subsp. froederiana : **46/9, 9C**
— caespitosa : **04/23; 05/18**
— — subsp. caespitosa : **20/9, 9C**
— fruticans : **78/3, 4C**
— imerethica : **119/53C**
— kotschyana : **04/23**
— liwanensis : **05/12; 119/4C, 25C**
— oltensis : **09/13; 105/7C**
— piroliformis : **115/1C, 59C**
— spuria : **15/4C, 5; 24/4C**
— thessalica : **75/6, 6C**
— thymoides : **12/12, 12C**
Viburnum alnifolium - Autumn leaves : **34/10**
Vicia lunata : **91/25, 25C**
— magellanica : **51/21C**
— sepium : **30/3**
— sylvatica : **78/15**
Viola abbreviata : **110/17C, 22C, 29C, 30C, 31C, 32C, 38C, 41C, 42D**
— — Botanical illustration : **110/33D**
— — diagnosis : **110/36-39**
— — habitat : **110/18C, 20C, 21C**

INTERNATIONAL ROCK GARDEN INDEX 119

- herbarium : **110/26C**
- altaica : **27/15C; 97/23C**
- subsp. oreades : **27/15**
- angustifolia : **117/47**
- anitae : **108/91C, 93C, 94C, 96C; 110/14**
- diagnosis : **108/90**
- herbarium : **108/92C**
- arborescens : **27/13; 81/7, 7C, 8C**
- atropurpurea : **106/20; 110/13C; 113/13C, 45C**
- atropurpurea hybrids : **113/14C**
- yellow : **106/24C, 113/13C, 45C**
- beckeriana : **113/43C**
- biflora : **27/11**
- cf. biflora : **27/11C**
- x blaxlandiae : **51/20; 101/54C; 107/27C**
- brevistipulata : **27/13, 13C**
- var. hidakana : **27/14**
- cazorlensis : **03/11, 12C; 30/7, 10C; 94/33, 33C**
- cephalonica : **114/80C**
- chamaedrys : **103/40C; 106/27C**
- habitat : **102/25C; 103/40C**
- white : **103/41C**
- cheeseana : **117/1C, 4C, 37C, 38C**
- description : **117/3, 41**
- flower : **117/39C**
- habitat : **117/28C, 31C**
- leaf undersurface : **117/39C**
- taxonomy : **117/40**
- columaris : **111/45, 45C**
- columnaris : **09/6, C6, 7, 7C, 8, 8C**
- congesta : **101/53C; 117/14, 14C**
- green leaf : **101/46C**
- typical : **101/47C**
- copahuensis : **51/20**
- coronifera : **51/18; 105/70C, 71C, 72C; 107/25C; 108/72C; 111/66C**
- habitat : **105/70C; 108/71C**
- cotyledon : **51/19, 20; 106/24C; 117/19C**
- dandisiorum : **104/2, 23C, 24C, 25C, 26C, 30C, 31C, 39C**
- diagnosis : **104/27**
- habitat : **104/22C, 23C; 117/18C**
- x Viola huesoensis : **104/41C, 42C**
- dasyphylla : **09/7, 7C; 51/17, 17C; 108/70C; 111/60C, 61, 61C, 63C, 66C**
- decumbens : **27/13**
- delphinantha : **03/11, 11C, 12C; 20/13C, 14; 30/7, 10C; 71/24, 24C**
- distribution : **106/18M**
- diversifolia : **77/4, 4C, 8**
- doerfleri : **75/11C**
- domeykoana : **117/42**
- escondidaensis : **51/16C; 105/30C; 106/20C; 108/95C; 110/4C, 5**
- eximia : **75/11C**
- farkasiana : **101/39-58, 40D, 42C, 43C, 44C, 52C; 105/34C; 106/33C; 117/42**
- description : **101/46**
- diagnosis : **101/43**
- distribution : **101/40M**
- flower : **101/45C**
- foliage : **101/45C**
- habitat : **101/41C**
- Leaf damage : **101/55C**
- scale : **101/44C**
- succession : **101/48C**
- with juveniles : **101/49C**
- flos-idae : **115/44C**
- leaves : **115/44C**
- fluehmannii : **09/8, 8C; 106/19C**
- F. & W. 11550 : **108/69C**
- F. & W. 11580 : **108/1C**
- F. & W. 11585 : **108/84C, 87C**
- F. & W. 11863 : **108/79C**
- Argentinian, F. & W. 11345 : **119/72C, 73C**
- glacialis : **117/42, 46C**
- glacialis(V.truncata) herbarium : **117/45C**
- godoyae : **104/39C**
- grisebachiana : **71/23**
- heterophylla subsp. graeca : **116/1C; 42C**
- huesoensis : **104/40**
- joergensenii : **107/61, 61C; 119/106C**
- johnstonii : **104/40C**
- xjosephii : **119/79C, 80C, 88CB, 89C, 90C /83C, 101C, 102C/, 103C, 104C, 106C, 107C, 119/C**
- description : **119/69**
- habitat : **119/77C, 83C, 88C**

INTERNATIONAL ROCK GARDEN INDEX 119

- taxonomy : **119/98-100**

- 'Juan' : **94/22C**
- kosaninii : **03/11**
- lullaillacoensis : **115/43C**
- location : **94/7C**
- lutea : **78/10, 10C**
- maculata : **27/15, 15C; 51/20; 111/56C**
- marcelorosasii : **104/2, 13C, 14C, 15C, 16C, 17C, 18C, 38C; 117/42**
- — diagnosis : **104/11-12**
- — habitat : **104/9C, 10C**
- — herbarium : **104/21C**
- — style : **104/18C; 117/44C**
- minutiflora : **106/23C**
- montagnei : **106/26C**
- nova : **108/68C**
- odorata : **98/29C**
- oreades : **27/15**
- orientalis : **27/14**
- pachysoma : **110/35C**
- petraea : **106/25C; 111/54, 54C, 56C**
- — white : **111/55C**
- philippii : **106/28C**
- polypoda : **104/7C, 28C; 106/23C; 115/6C**
- purpurea : **74/4**
- pusilla : **103/30, 30C; 104/37C**
- pygmaea : **106/21C**
- rhombifolia : **104/13, 20C**
- roigii : **115/45C, 49C**
- rossowiana : **105/49C**
- — habitat : **105/48C**
- rosulata : **101/53C; 106/25C, 31C, 32C**
- — sites : **106/33M**
- rosulate sp. : **108/66C**
- rubromarginata : **51/24; 105/28, 28C; 106/11C, 12C, 14, 30C; 110/5C**
- — habitat : **105/32C**
- — & ant : **106/31C**
- — sites : **106/10M, 11M**
- rugosa : **105/27, 38C; 106/4, 6, 8C, 9C, 10C, 19**
- — habitat : **105/39C; 106/8C**
- — Table : **106/7**
- sacculus : **51/14, 14C; 106/21C; 108/94C; 110/3, 3C; 111/49C, 52C**
- scoriuroides : **27/12, 12C**
- — habitat : **27/13C**

- section Andinium : **106/2**
- sheltonii : **27/14C**
- skottsbergiana : **110/34C**
- somchetica : **65/28**
- sororia : **98/37C**
- sp. : **105/33C; 115/13C**
- sp. nova : **94/14C; 115/24C, 25C, 28C**
- — habitat : **115/25C**
- subandina : **103/54C; 106/22C**
- — habitat : **103/53C**
- szetschwanensis : **27/12, 12C**
- tectiflora : **105/30, 31C; 110/7C**
- triflabellata : **115/35C**
- triflabellata colony : **115/35C**
- trinervata : **10/9C**
- trochlearis : **51/20C; 105/59, 59C, 65C; 106/1C, 15C, 16, 16C, 29C**
- — habitat : **105/67C**
- — sites : **106/13M**
- uniflora : **97/22C**
- Vallecitos : **113/13C, 15C, 23C**
- Vallecitos habitat : **113/12C**
- vallenarensis : **117/42**
- volcanica : **51/15C; 106/26, 27C; 115/43C**
- vortex : **110/35**
- Wayle : **110/13C**
- aff. xanthopetala : **27/14C**
- xanthopotamica : **115/36C, 38C, 40C, 46C, 47C, 49C**
- — axial root : **115/39C**
- — diagnosis : **115/37-39**
- — flower : **115/40C**
- — habitat : **115/42C**
- — leaves : **115/45C**
- x zwienenii : **113/35, 36C, 38C, 39C, 40C, 41C, 43C, 45C, 47C**
- x zwienenii Description : **113/35**
- x zwienenii Diagnosis : **113/35**
- habitat : **113/27C**
- sect. Andinium : **113/3, 3**
- Viscaria** alpina subsp. serpentinicola : **37/13C**
- nivalis : **78/21C**
- Viscum** album : **21/3**
- Vitaliana** primuliflora f. praetutiana : **77/20**
- Volcanos
 - Llaima volcano : **108/88**

INTERNATIONAL ROCK GARDEN INDEX 119

- Memorial on Volcán Antuco :
108/60C
Volcán Llaima eruption : **108/88C,**
89C
Volcan Tromen : **110/2C**
- Waldheimia** tridactylites : **109/45C**
Waterfall
 Dry mossy : **77/13C**
 Salto del Maule : **117/8C**
Wild orchids of Crete: part 2 : **67/2**
Winter Aconite Fairy', Print of The :
49/20C
Wisteria sinensis : **98/26C**
Witches' Brooms : **77/11**
— — Grafted : **77/24**
Woodland walk : **109/23C**
Woodsia alpina : **78/6, 7C**
— ilvensis : **78/6, 6C**
Wyethia angustifolia : **83/30C, 31C**
- Xeronema** callistemon : **34/11C, 12**
Yellow Rattle : **21/3**
Yellow saxifrage : **78/7**
Yucca nana : **04/13**
Yunnan 2018 : **115/54**
- Zagrosia** persica : **118/74C**
Zapala wind & Dust storm : **108/62C**
Zauschneria arizonica = Epilobium
canum subsp. latifolium
— arizonica : **10/5C, 5**
— californica : **08/19; 10/4**
— — 'Alba' : **10/4C, 5**
— — 'Etteri' : **10/6C; 105/25C, 26C**
— — 'Solidarity Pink' : **10/5C**
— — 'Wayne's Select' : **105/26, 26C**
— latifolia forma alba : **10/5**
— 'Pumilio' : **65/13C**
— septentrionalis : **08/18 C19; 10/C4, 5,**
18C; 119/115C
Zdenek's Pot : **44/4C**
Zephyra elegans : **94/17C**
— — habitat : **94/17C**
Zephyranthes advena : **117/53C**
— bagnoldii : **117/54C**
— candida : **98/33C**
— capitata : **117/53C**
— cuyana : **117/54C**
— elwesii : **117/53C**
— laeta : **117/54C**
— martinezii : **117/55C**
— montana : **117/11C**
— phycelloides : **117/54C**
— rosea : **98/42C**
— splendens : **117/56C**
Zigadenus venenosus : **69/8**
Zinnia peruviana : **115/23C**

Addendum to IRG index (full to IRG 119)

Brief index of IRG 120 December 2019.

Cover photo: *Leontochir ovallei*, the 'garra de leon' or 'lion's claw' photo J.M.Watson **120/1**
Cultonomy of *Fritillaria* section *Petilium*, a new circumscription of the crop and a possibility to group cultivars by Willem Wietsma and Ronald van den Berg **121/3 – 24**
A new Chilean *Zephyranthes* and Argentinian *Olsynium* described John and Anita (Ana Rosa Flores) Watson with other associated plants **120/25 -76.**
Junellia morenonis (Kuntze) J.M. Watson & A.R. Flores, comb. nov. **120/61**
Olsynium nicolae J.M. Watson & A.R. Flores, sp. nov. **120/66**
Zephyranthes sarae J.M. Watson & A.R. Flores, sp. nov. **120/45**
Geranium subcaulescens and its Kin by Allan Robinson **120/77**

Brief index of IRG 121 January 2020

Cover photo: Chinese roadside - photo by Jeff Wagner. **121/1**
Creating a Shed Roof Garden by Michael Thomson **121/4 - 12**
Yunnan 2018 – A flavour of the place : text and photos by Jeff Wagner **121/13 – 64**
Photo supplement to The Rock Garden issue 144 – Schachen Alpine Garden by Connor Smith **121/65 – 78**

Brief index of IRG 122 February 2020

Cover photo: *Barneoudia major* F.& W.12595, photo J.M.Watson. **122/1**
Two new tulip species from the Altai mountains, Kazakhstan by J.J. de Groot & B.J.M. Zonneveld February 2020 **122/3 - 16**
T. dianaeverettiae spec. nova J.J.(Sjaak) de Groot & B.J.M.(Ben) Zonneveld **122/7**
T. annae sp. nova J.J.(Sjaak) de Groot & B.J.M.(Ben) Zonneveld **122/10**
Queen of all she surveys. A remarkable and distinct new rosulate viola (section *Andinium* W. Becker), a single-site endemic from the central Andes of Chile by John and Anita (Ana Rosa Flores) Watson **122/17 – 59**
Viola regina J.M. Watson & A.R. Flores, sp. nov. **122/33**
An Alpine Garden in the Tien Shan (Song Kul) – Frazer Henderson **122/60 - 79**

Brief index of IRG 123 March 2020

Cover photo: *Galanthus plicatus* subsp. *plicatus* - photo D. Zubov. **123/1**
Genus *Galanthus* L. in the Caucasus: Dr. Dimitri Zubov, Ukraine. pages **123/3 – 41**
Sarah meets her namesake. *Zephyranthes sarae* is still alive and kicking at Tambillo: John and Anita (Ana Rosa Flores) Watson **123/42 – 56**
Wildflowers of the Appalachian Trail by Will Hembree **123/57 - 61**

Brief Index of IRG 124 April 2020

Cover photo: *Ourisia microphylla* in the wild in Chile - photo Martin Sheader.
RHS Award to J. Ian Young – Veitch Memorial Medal **124/2**
True dwarf conifers for the rock garden Connor Smith **124/3 - 8**
Viola atropurpurea it's not. Introducing *Viola turritella*, yet another case of mistaken identity in the rosulate ('rossie') violas (section *Andinium* W. Becker). John and Anita (Ana Rosa Flores) Watson **124/9 – 46**
Viola turritella J.M. Watson & A.R. Flores, sp. nov. **124/38**
The cultivation of *Ourisia microphylla*, *O. polyantha* and their hybrids - Martin Sheader **124/47**

Brief Index of IRG 125 May 2020

Cover photo: *Crocus harpkeae* in habitat JJVV-022, photo Jānis Rukšāns.

CROCUS HARPKEAE Rukšāns – A NEW CROCUS SPECIES (*Liliiflorae, Iridaceae*) separated from the large complex of the so-called *Crocus chrysanthus* group.

Janis Rukšāns, Dr. biol. h.c. **125/3-14**

Be sure to call it a type of botanical deed poll, not a dead pool. Recent new changes of nomenclature for five South American Hippeastreae. John and Anita (Ana Rosa Flores) **Watson 125/15-19**

Prelude. The first of two renamed species from the north of Chile, this one a *Cistanthe* (Montiaceae). John Watson

Cistanthe neonominata J.M. Watson, sp. nov. **125/21**

Spring notes from the Beauty Slope - Zdenek Zvolanek 125/22-34

Brief Index of IRG 126 June 2020

Cover photo: Zdenek Zvolanek and Paul Spriggs at Inverewe, photo J. Ian Young.

Daphne Grafting Workshop – Ian Christie **126/3-9**

Create a Miniature Rockery – John Beaulieu **126/10-14**

The Scottish Rock Garden Festival at Inverewe 2019, J. Ian Young **126/15-66**

Brief Index of IRG 127 July 2020

Cover photo: *Leontopodium nivale*, Ján Zaujec.

Ján Zaujec interview with Zdeněk Zvolánek **127/3-26**

A Tower of Troughs: Ken Devine **127/27-34**

Brief Index of IRG 128 August 2020

Cover photo: *Cumulopuntia ignescens*, Marijn van den Brink.

Meet our most unique Viola and its unique high Andean habitat. A renamed new species endemic to the northern semi-desert Altiplano of Chile: John and Anita (Ana Rosa Flores) Watson. **128/3-52**

Growing Paintbrush – Kenton J. Seth **128/53-60**

Brief Index of IRG 129 September 2020

Cover photo: *Salix caprea* catkins, John M. Watson

Short sorties in times of a pandemic: Anita (Ana Rosa Flores) Watson, John Watson and Helga Pettersson **129/3-38**

Behind the plants on the volcanoes of Chile: Vojtěch Holubec **129/39-58**

Brief Index of IRG 130 October 2020

Cover photo: Autumn colour in Highland Perthshire, Julia Corden

Patagonian Peas by Martin Shearer **130/3-45**

Ninety Mules. Thirty Horses. by Arthur MacKinnon **130/46-50**

The Transformation of a Fairy-tale Creature, Zdenek Zvolanek **130/51-54**

Brief Index of IRG 131 November 2020

Cover photo: *Montiopsis tricolor*, Anita Watson

Award for Zdenek Zvolanek **131/3**

Tulipa bactriana – species description – J.J. de Groot and K.S. Tojibaev **131/4-11**

A new combination in *Montiopsis* (Montiaceae) – John and Anita Watson **131/12-15**

Painted Flowers – Zdenek Zvolanek **131/16-21**

Remembering a Good Friend **131/22**

My Way with seeds - Glassford Sprunt **131/23-25**

SYMBOLS

01/ = Issue Number

/12 = Adobe Reader Page number

/12C = Colour picture

/12D = Drawing

/3P = Painting

; = Divider between Issues

, = Divider between Pages

— = Substitute for name above

/13* = Diagnoses and descriptions

Abies cephalonica : **162/10, /11**

— concolor (White Fir) : **170/3, /10, /13, /22, /23**

— nordmanniana : **147/28; 169/6**

— semenovii : **169/6**

Abkhazia : **162/30**

Abraxas grossulariata (Magpie Moth) : **170/45C**

Abronia latifolia : **142/87C**

Abrotanella forsteroides (Eastern Cushion Plant) : **142/7, /8, /37C, /61C, /62C**

— — in cultivation : **142/8C, /63C**

— — leaf arrangement : **142/7C**

Abutilon × hybridum 'Red Emperor' : **137/10, /11C**

Acacia caven (syn. **Vachellia caven**) : **138/24**

— melanoxyton : **143/4**

— paradoxa : **143/4**

— pycnantha : **143/4**

Acaena argentea : **145/26, /32C**

Acantholimon, propagation : **146/2, /67-73**

— — cuttings : **146/68C**

— — 'mounded' cuttings : **146/69C**

— acerosum : **146/68, /70**

— — mounded cuttings : **146/70C, /71C, /72C**

— alatavicum : **146/68**

— armenum : **146/68**

— caesareum : **146/68**

— calvertii : **146/68**

— capitatum : **146/68**

— caryophyllaceum : **146/68**

— echinus : **146/68**

— glumaceum : **146/67C**

— hedinii : **146/68**

— knorringianum : **146/68**

— kotschyi : **146/68**

— litvinovii : **146/68**

— pamiricum : **146/68**

— sarytavicum : **146/68**

— saxifragiforme : **146/68**

— tianshanicum : **146/73C**

— trojanum : **146/70**

— ulicinum : **146/68, /70**

— venustum : **146/68**

Acanthophyllum pungens : **166/6**

acaricide : **165/14C, /15**

Acaulimalva : **154/2, /32-35**

— crenata : **154/32C**

— engleriana : **154/33C**

— nubigena : **154/33C, /34C**

— sulphurea : **154/35C**

— — cultivation : **154/35**

— weberbaueri : **154/35C**

Acer, falling leaves : **133/44C**

— turkestanicum : **169/6**

achaparrado (stunted Andean woodland) : **144/21**

Acianthus caudatus : **143/46C**

Acmispon americanus var. *americanus*
(Spanish Lotus) : **170/29**

Aconitum anthora : **141/51C**

— columbianum : **142/97, /98C**

— nasutum : **141/51**

— orientale : **141/50C, /51**

Adenocaulon bicolor (Trail Plant) : **170/23**

Adesmia sp. : **138/19, /24**

— mucronata : **132/11C, /12**

Adiantum chilense : **132/12C**

adyr (low, barren hills of Fergana valley) : **140/3**

Aegyptius monachus (Cinereous vulture) : **169/16**

Aeonium : **159/2, /3-33**

— distribution : **159/3, /4, /5C**

— etymology : **159/4**

— evolutionary radiation : **159/4**

— history : **159/3**

— inflorescence : **159/37C**

— taxonomy : **159/3**

— Sect. *Greenovia* : **159/5**

— appendiculatum : **159/10, /11C**

— arboreum : **159/3D, /35C**

— — subsp. *arboreum* : **159/22, /23, /24C, /25C**

- — — cultivation : **159/23**
- — — description : **159/23**
- — — distribution : **159/23**
- — — inflorescence : **159/25C**
- — subsp. korneliuslemsii : **159/4**
- Aeonium aureum** : **159/16C, /17C**
- — cultivation : **159/16**
- — description : **159/16**
- — distribution : **159/16**
- balsamiferum : **159/26, /29, /30C, /31C**
- — description : **159/29**
- — distribution : **159/29**
- calderense (syn. A. davidbramwellii) : **159/35C**
- canariense : **159/34C**
- cuneatum : **159/5, /7C**
- davidbramwellii : **159/18, /26, /34C**
- — polymorphism : **159/18, /19C**
- decorum : **159/10, /11C**
- dodrantale : **159/31**
- — flowers : **159/32C**
- glandulosum : **159/35C**
- goochiae : **159/18, /20C**
- haworthii : **159/18, /26**
- hierrense : **159/14C, /35C**
- lancerottense : **159/26, /27C, /28C**
- — cultivation : **159/27**
- — description : **159/26**
- — distribution : **159/27**
- — polymorphism : **159/26**
- leucoblepharum : **159/4**
- lindeyi : **159/36C**
- — inflorescence : **159/36C**
- — subsp. viscatum : **159/12C, /13**
- — — cultivation : **159/13**
- — — description : **159/13**
- — — distribution : **159/13**
- manriqueorum (syn. A. arboreum subsp. arboreum), inflorescence : **159/37C**
- mascaense (problematic taxon; ? hybrid) : **159/37C**
- nobile : **159/18, /20C**
- — cultivation : **159/18**
- — description : **159/18**
- — distribution : **159/18**
- — forms : **159/21C**
- palmense (syn. A. canariense subsp. christii) : **159/35C**
- percarneum : **159/22, /23C, /26**
- saundersii : **159/10, /11C**
- sedifolium : **159/5, /7C**
- simsii : **159/22, /24C, /31**
- spathulatum : **159/14, /15C, /31**
- stuessyi : **159/4**
- tabulaeforme : **159/8C, /9C**
- — cultivation : **159/8**
- — description : **159/8**
- — distribution : **159/8**
- urbicum : **159/5, /6C, /10, /18**
- valverdense : **159/1C, /14, /15C**
- Agrostis scabra** (Rough Bent Grass) : **170/18**
- Aichryson** : **159/18, /33C**
- Agropyron** sp. (wheatgrass) : **148/16**
- Ajuga lupulina** : **135/49**
- Alatavia** (syn. Iris) : **165/23**
- Albania : **162/6**
- Alektoris chukar** (Chukar partridge) : **166/15**
- alfalfa meal as soil amendment : **162/60**
- Allium** sect. Codonoprasum : **147/7**
- sp. (Iran, Kurdistan) : **160/20**
- spp., Fergana valley : **140/3, /4**
- aff. neapolitanum : **143/83C**
- aflatunense : **169/13C, /15C, /45C**
- beesianum : **135/44**
- caeruleum : **169/13, /15C**
- caesium : **169/13, /14C**
- campanulatum (Dusky Onion) : **170/21**
- farreri : **148/60**
- haemanthoides : **148/30, /33C**
- karataviense : **169/13C**
- margaritaceum : **169/13, /14C**
- obtusum var. obtusum (Red Sierra Onion) : **170/21**
- oreoprasum : **169/14C**
- oreoscordum : **169/13, /14C**
- pallasii : **169/13, /14C**
- platyspathum : **169/13, /14C**
- pskemense : **169/13**
- semenowii : **135/40C, /41**
- ubipetrense? : **150/65**
- viridiflorum : **169/13, /15C**
- Alnus incana** subsp. tenuifolia (Mountain Alder) : **170/15, /22, /34**
- Alstroemeria** cultivars : **137/5C, /6C, /48C**
- angustifolia var. velutina : **138/24, /42C**
- exerens F&W11240 : **156/22C**
- hookeri subsp. maculata : **137/43, /45C**
- ligtu : **134/27C; 138/42C**
- — subsp. incarnata F&W11091 : **156/1C, /19C**
- — — F&W11092, habitat : **156/18C**
- pallida F&W12455 : **156/22C**

Alstroemeria piperata : 132/4, /45, /47C;
138/19, /24, /40C, /41C

— — red-tinged form : 138/41C

— pulchra : 137/40C, /41C, /42

— — subsp. pulchra : 132/8C

— versicolor F&W11088 : 156/13C

— xanthina : 156/13

Amana (Tulipa) : 145/4; 149/94

Ammi visnaga : 138/24

amplexicaul leaf : 166/9

Amsinckia calycina : 138/24

Anacamptis, growing on seedlings : 156/55

— fragrans, germination : 156/54

— laxiflora : 156/47C, /54

— — germination : 156/54

— — seedlings : 156/55C

— longicornu, germination : 156/54

— morio, germinating seed : 156/52C, /54

— pyramidalis : 163/15C

— × gennarii (A. morio × A. papilionacea
subsp. aegaea) : 163/20C

Anas ferruginea (Ruddy shelduck) : 166/6,
/12, /15

— platyrhynchos (Mallard) : 166/6

Anchusa cespitosa : 153/43

Andes (Cordillera de los Andes) : 154/3 ;
167/21

andesite : 170/9

Androcymbium : 136/3, /4

— phylogenetics : 147/18

— gramineum : 136/3

Androsace delavayi : 135/44, /52, /53C

— mairei : 135/51

— sarmentosa : 153/43

— sp. : 166/22C

— tapete : 148/55

— villosa : 135/22

— wardii : 135/44

Anemone spp., Fergana valley : 140/12, /23

— demissa : 135/42, /49

— multifida : 145/26, /32C

— narcissiflora subsp. protracta : 135/39

— obtusilobus : 135/52, /54C

— pavonina : 143/83C

— tetrasepala : 135/52

anthocyanin : 145/4

Anopterus glandulosus : 142/6C

anthrocyanin : 166/9

Anthyllis montana 'Rubra' : 166/31C

Antuco tragedy : 145/2, /25, /44

— memorial : 145/44C, /45C

Apocynum androsaemifolium (Spreading
Dogbane) : 170/13

Aquila rapax (Tawny eagle) : 169/16

Aquilegia atrovinosa : 135/38C, /39

— bertolonii : 153/44

— formosa : 142/97

— jonesii : 153/44

— saximontana : 153/44

Arachniodes rhomboidea : 145/55

Arctostaphylos nevadensis : 170/36

— patula (Greenleaf Manzanita) : 170/9

Arenaria tmolea : 135/22

Argentina

Chubut Province : 140/28, /30, /35, /46,
/59

Mendoza Province : 140/30

— Aconcagua : 154/3

Neuquén Province : 135/8; 140/28, /33,
/46; 145/13; 153/4C, /8, /13

— Minas Dept. : 153/6C, /8, /9C, /12

— Pichi-Neuquén : 153/11, /12, /23

— río Varvarco, Aguas Calientes : 153/12

— Volcán Domuyo : 153/12

— Zapala : 140/31

Patagonia : 145/12

Río Negro Province : 140/28, /61, 145/13

Santa Cruz Province : 138/31; 140/28, /30,
/33, /42

— Lago Cardiel : 140/35

— Paso Zeballos : 140/31

Tierra del Fuego : 140/28

Tucumán Province, Cumbres Calchaquies,
Paso Infernillo : 153/33

Argentina lignosa (syn. **Potentilla lignosa**) :
138/15

Argylia adscendens var. **adscendens** : 132/2,
/22C, /23, /26

Argynnini (fritillary butterflies), co-evolution
with *Viola* : 153/25, /34

Argynnis paphia (silver-washed fritillary) :
153/35C

Arisaema candidissimum : 133/36C

— elephas : 135/44

Aristolochia : 151/2, /24-34

— bottae : 151/25, /26, /31C, /32C

— californica : 151/2C

— clematitis : 151/25, /29C

— — fruit & seeds : 151/29C

— cretica : 151/25, /26, /27C

— guichardii : 151/25, /29C, /30C

— hirta : 151/25, /30C

Aristolochia lycica : 151/25, /26, /31C
— maurorum : 151/25, /26, /29C
— microstoma : 151/25
— paecilantha : 151/26, /33C, /34C
— parviflora : 151/25
— pontica : 151/25, /26C, /28C
— sempervirens : 151/25, /34C
Armenia : 167/19
 Mt. Aragats : 150/9
 Zangezur Mts. : 150/10
 [Plants of Armenia](#) : 144/92, /93
Armenian church : 146/12C
— plateau : 150/3, /4, /5, /43
Armeria maritima : 144/22, /37C
Arnebia densiflora : 135/31
Arnica montana : 167/4
Artemisia cina (grey wormwood) : 148/16
— spp. (Kazakhstan) : 166/4C
— tridentata : 152/50
Arum italicum Marmoratum Group : 133/4
'— italicum 'Pictum' confusion with *A. pictum* : 133/4
— pictum (syn. **Arisarum pictum**, **Arum balearicum**, **Arum corsicum**, **Gymnomesium pictum**) : 133/3-18, /3C
— — subsp. pictum (ex hort.) : 133/4C
— — subsp. sagittifolium : 133/3
— — 'Green Spathe' : 133/5C
— — 'Olbia Black Night' : 133/5C
— — 'Primrose Warburg' (syn. 'South Hayes') : 133/5, /6C
— — 'Rotsporn' : 133/7C, /8C, /9C
— — cultivation : 133/18
— — leaf/foilage : 133/3C, /4C
— — pests & diseases : 133/18
— — unnamed forms : 133/9C, /10C, /11C, /12C, /13C, /15C, /16C, /17C, /18C
— — MM01 (Michael Myers) : 133/14C
Aruncus dioicus : 142/93
Asiatic lily cultivar : 137/8C
Asclepias speciosa : 142/94C
Asperula alpina (Alpine Woodruff) : 143/67C
ASSOCIATIONS, CLUBS & SOCIETIES
 Alpine Garden Society (AGS) : 145/13, 154/2; 156/5, /42
 — Farrer Medal : 156/36, /38
 — Preliminary Commendation : 156/38
 — Lyttel Award : 139/2; 148/2, /154/2
 [Alpine Garden Society \(Victoria\)](#) : 164/23
 [American Peony Society](#) : 139/3
 British Bryological Society ([Survey of Eigg](#)) :

170/38
British Iris Society : 132/2
[Canadian Peony Society](#) : 139/27
[Cardboard Orchids Sowing Group](#) : 156/58
Crocus Group : 133/2
[Cyclamen Society](#) : 141/2, /54, /55
Flemish Rock Garden Club ([Vlaamse Rotsplanten Vereniging](#)) : 133/2; 164/2
[Gröna Pennklubben](#) (Sweden) : 166/2
— Gröna Pennpris : 166/2
[Hardy Orchid Society](#) : 156/58
[Italian Cactus and Succulent Society \(AIAS\)](#) : 159/2
[Koninklijke Algemeene Vereeniging Voor Bloembollencultuur](#) (KAVB; Royal General Bulb Growers' Association) : 155/2
Latvian Horticulture & Beekeeping Society : 165/4
[National Garden Society](#) (UK) : 141/54
[National Trust for Scotland](#) : 170/2
Nederlandse Rotsplanten Vereniging (NRV, Dutch Rock Garden Society) : 139/2, 154/2
North American Rock Garden Society ([NARGS](#)) : 139/33
— Forum : 161/32
Nottingham Rock Garden Club : 164/30, /33
Pacific Bulb Society ([PBS](#)) : 139/59; 151/31
Plant Heritage, [Brickell Award](#) : 168/2
Prague Rock Garden Club (Klub skalničkářů Praha) : 133/2; 156/2
Royal Caledonian Society, Scottish Horticultural Medal : 152/47
Royal Horticultural Society : 144/2, /3; 145/2
— Award of Garden Merit : 156/9, /34
— Bulb Committee : 137/2; 165/2
— — Sir Daniel Hall Award : 137/2; 165/2
— Preliminary Commendation : 167/15
— Victoria Medal of Honour : 152/47
[Scottish Rock Garden Society \(SRGC\)](#) : 152/47; 156/5; 167/2; 169/20
— 90th Anniversary : 160/2
— [Forum](#) : 151/2; 156/59; 161/2, 30, /32; 166/2
[Sedum Society](#) : 166/2
The Crocus Group : 164/2, /23
— [membership](#) : 164/23
— [newsletters](#) : 164/23
— [seed exchange](#) : 164/23
— — ([Australia](#)) : 164/23

- Union of Botanical Gardens of the Czech Republic : **139/2**
[Wakefield & North of England Tulip Society](#) : **166/2; 169/20**
- Astelia alpina** (Pineapple Grass) : **142/5, /9C, /10C, /28C**
- Aster souliei** : **135/42**
- Astragalus eximia** : **135/35**
 — exscapus : **166/21C**
 — mesoleios : **150/14, /34**
 — sieversianus : **135/35**
- Asyneuma pulvinatum** : **135/20C, /25C, /26**
- Athrotaxis cupressoides** (Pencil Pine) :
142/11C, /13C, /14C, /15C, /23C
 — — foliage : **142/13C**
 — selaginoides (King Billy Pine) : **142/6C, /15, /17C**
 — — bark : **142/16C**
 — — foliage : **142/16C**
- Aubrieta deltoidei** : **135/22**
- Australia
 South Australia, Adelaide : **143/2, /4**
 — Mount Lofty Ranges : **143/3, /4, /33C**
 — — Belair National Park : **143/5C, /49**
 — — — mismanaged bushland : **143/48C**
 — — Kuitpo Forest Reserve : **143/4C**
 — — Lobethal Bushland Park : **143/49**
- Tasmania, alpine flora : **142/3-72**
 — climate (Köppen Climate Classification System) : **142/3-4**
 — plant communities : **142/5**
 — — (Mosaic) Bolster Heath : **142/5, /7C, /8C, /29C, /37C, /62C**
 — — — description : **142/29**
 — — — String Fen : **142/29, /30C**
 — rainforest : **142/6C**
 — Ben Lomond National Park : **142/21C /65, /66**
 — Macquarie Island : **143/57C**
 — Tasmanian Wilderness World Heritage Area : **142/3, /10**
 — — Cradle Mountain-Lake St. Clair National Park : **142/3, /4C, /5C, /6C, /8C, /9C, /10C, /12C, /15C, /16C, /17C, /18C, /20C, /22C, /23C, /30, /31C, /35C, /38C, /42C, /43C, /45C, /46C, /49C, /50C, /51C, /53C, /54C, /56C, /59C, /60C, /61C, /63C, /64C, /65C, /67C, /70C**
 — — — Mt. Doris : **142/29C, /33C, /62C**
 — — — Mt. Geryon : **142/57C, /58C, /71C**
 — — — Mt. Ossa : **142/10, /11C, /35C**
 — — — Overland Track : **142/12, /19C, /32C, /68C**
 — — — Tyndall Range : **142/4**
 — — Mt. Field National Park : **142/10C, /22, /27C, /30, /31C, /32C, /55C**
 — — — Newdegate Pass : **142/29, /30C**
 — — South West Wilderness Area/National Park : **142/3, /25C, /45C**
 — — — Eastern Arthurs Range : **142/4, /41, /69C**
 — — — Mt. Anne : **142/27C, /28C**
 — — — Western Arthurs Range : **142/25C, /26C, /41C, /46C, /69C**
 — — Walls of Jerusalem National Park : **142/36C**
- Victoria, Bendigo : **143/88**
 — Redesdale : **143/2, /71**
 — Victorian Alps : **143/51-70**
 — — Alpine National Park : **143/51**
 — — Bogong high plains : **143/53, /55C, /57C**
 — — Dinner Plain : **143/51, /63**
 — — Mt. Buffalo : **143/51C**
 — — Mt. Feathertop : **143/51C, /60C**
 — — Mt. Higginbotham : **143/70C**
 — — Mt. Hotham : **143/51, /67, /68, /69C**
 — — Mt. Loch : **143/51, /57C**
 — — Razor Back ridge : **143/51C, /60C**
- Australian ground orchids : **143/3-50**
 — high country : **142/2**
- Austrocylindropuntia floccosa** : **154/13C, /27C**
- Azerbaijan, Baku : **146/19**
 — Gobustan National Park, mud volcano : **146/18C**
 — Talysh, Lenkoran : **147/19**
 — — Zuvant : **147/19**
- Azorella monantha** : **167/24C**
 — prolifera : **145/26, /27C**
 — trifurcata : **153/44**
- Baccharis salicifolia** (Asteraceae) : **132/8C, /25**
- Baeckea gunniana** (Alpine Baeckea) : **142/18C, /70C; 143/66C, /67C**
 — — flowers, foliage : **142/18C**
- Banksia marginata** : **143/4**
- Battus philenor** (pipevine butterfly) : **151/2C**
- Bauera rubioides** (Wiry Baura) : **142/19C**
- Bellendena montana** (Mountain Rocket) : **142/20C**

Bellendena montana, fruit : **142/20C**
— — in habitat : **142/21C**
— — inflorescence : **142/20C**
— — seeds : **142/21C**
Bellevalia longistyla : **150/15**
— paradoxa : **160/20**
— sp. (NW Iran) : **149/76; 150/51**
— sp. (Turkey, Van) : **160/7**
— turkestanica : **135/34C, /35**
Bellidiastrum michelii : **167/12, /13C**
Belloa nivea (Asteraceae) : **144/22**
Berberis sp. : **141/24, /25**
— empetrifolia : **144/22, /34C; 145/20C, /21C, /24C, /26**
— — inflorescences : **144/35C**
Betula sp. : **141/25**
Bergenia stracheyi : **135/52**
Betula utilis : **135/52**
biochar : **166/29, /30**
birthwort (**Aristolochia**) : **151/2**
Bistorta elliptica : **169/15**
Bletilla, seed : **156/48**
— striata : **134/25C**
Bombylius spp. (bee flies) : **169/8**
bone meal : **153/44**
— /rock phosphate as soil amendment : **162/60**
BOOKS
A Field Guide to the Plants of Armenia (Galstyan T, 2021) : **144/2, /92-93**
[*A Handbook of Crocus and Colchicum for gardeners*](#) (Bowles EA, 1924) : **162/3C**
A Handbook of Crocus & Colchicum (Bowles EA, 1955) : **135/13; 164/29**
[*A monograph of the genus Crocus*](#) (Maw G, 1886) : **162/3C**
[*Atlas of the Greek Orchids*](#) (Antonopoulos Z, Tsiftsis S; Mediterraneo Editions, 2017)
Buried Treasures (Rukšāns J, Timber Press, 2007) : **162/4C; 165/2**
Codex Aniciae Iulianae : **159/3D, /4**
Colchicum, the complete guide (Grey-Wilson C et al., 2020) : **135/11, /13; 164/2C**
Collins Guide to Bulbs (Synge P., 1961) : **135/13**
Crocuses, a complete guide to the genus (Rukšāns J, Latvian Acad. Sci. 2011) : **162/5C**
Cyclamen - A concise guide (Denney M, 2021) : **141/2C**

Das Blumenzwiebel Buch (Foerster K, 1939) : **135/13, /14**
Flora Iranica (Riedl H, 1992) : **151/7; 160/3**
Flora of the Mediterranean (Gardner C, Gardner B, 2019) : **135/2C; 167/2**
Flora of the Silk Road (Gardner C, Gardner B, 2019) : **135/2C, /55; 167/2**
Flora of Turkey : **139/51; 151/8; 160/3; 162/28; 165/26**
Flora of Turkey and the East Aegean Islands (Davis PH et al.) : **150/5; 151/7, /9**
Flora Patagónica (Correa MN, 1971) : **135/8; 153/8, /16D, /36**
Flowers of the Patagonian Mountains (Sheader M, 2013) : **140/2**
Fritillaria (Rix EM, Wallis RB, in preparation) : **141/31, /32**
Garden - Giving plants what they want (Korn P, 2013) : **166/2C**
[*Histoire Naturelle des Îles Canaries \(Natural History of the Canary Islands; Webb PB & Berthelot S, 1836-1850, Paris\)*](#) : **159/4**
[*Illustrated Flora of Turkey*](#) (Güner A, ed.) : **167/2**
[*My Garden in Spring*](#) (Bowles EA, 1914) : **162/3**
Plantas Altoandinas en la Flora Silvestre de Chile (Hoffman A, Arroyo MK, Liberona F, Muñoz M, Watson J, 1998) : **144/45C, /48C, /49C**
Plants of Kyrgyzstan (Naumenko AN, Lazov GA; 2012) : **140/2**
RHS Plant Finder (formerly *The Hardy Plant Directory*) : **138/20; 164/34; 168/31**
Riddle of the Tsangpo Gorges (Kingdon-Ward F; ed. Cox K, 2001) : **139/30C**
Saunders' Field Guide to the Gladioli of South Africa (Struik Nature Field Guides, 2021), review : **149/2, /91-92**
The Bulb Book (Rix & Phillips, 1981) : **160/6**
[*The Crocus. A revision of the genus Crocus*](#) (Mathew B, 1982) : **150/48; 152/3; 162/4C, /15**
The Crevice Garden (Seth K, Spriggs P, 2022), review : **148/69-70**
[*The Genus Aeonium*](#) (Cristini M, AIAS, 2022) : **159/2**
The Genus Gentiana (Halda JJ, 1996) : **137/57**
The Genus Paeonia (Halda JJ, Waddick JW, 2010) : **139/23C**

- [The genus *Tulipa* - tulips of the world](#)
(Everett D, 2013) : **169/31, /32, /35**
The Illustrated Flora of Turkey (Crocus) :
162/29, /31, /32
- [The Natural History \(Naturalis Historiae;](#)
Pliny the Elder) : **159/4**
- [The Nonsense Botany of Edward Lear :](#)
164/38C
The Peat Garden and its plants (Evans A,
1974) : **152/47C**
The World of Crocuses (Rukšāns J, 2017) :
144/54
The World of Crocuses (Rukšāns J, Latvian
Acad. Sci. 2023) : **162/5C**
Tulips & their natural history (de Groot JJ,
2024; [available at](#)) : **168/2C**
Viola subgenus Neoandinium, 2nd ed.
(Watson, Flores, Nicola, Marcussen, 2022;
[pdf download](#)) : **167/2C**
- Boronia citriodora** (Lemon Scented Boronia) :
142/22C
— rhomboidei (Broadleaf/Rhomboid Boronia)
: **142/22C, /23C**
- Botanical Expeditions
BATMAN/BATM : **150/4; 160/7, /22**
IRS (2018) : **150/34**
IRS (2022) : **150/35**
SBQE (Sino-British Qinghai Expedition, 1997)
: **161/36**
SLIZE (1988) : **150/26**
WHIR : **150/12**
botrytis : **139/18**
- Brachyscome rigidula** (Leafy/Cut-leaf Daisy) :
143/59C
- Brachysternus viridis** (Southern Chafer beetle)
: **137/17C**
- Brassica nigra** : **138/24**
- Briggsia** : **139/46**
- Bromus rigidus** : **138/24**
— sitchensis var. carinatus (California Brome)
: **170/14**
bryophytes: **170/37**
- Bufo pewzowi** (Xinjiang toad) : **169/16**
bulb scale mite (**Rhyzoglyphus**) : **165/13**
— acaricide treatment : **165/14C**
- Bulbine bulbosa** : **137/5, /7C**
- Bulbocodium** (Colchicum) : **136/3; 147/17**
bulbous plants, collection : **165/7C**
— (crocus) cultivation & taxonomy : **165/25-35**
— diseases : **165/11-17**
— soil pH : **165/7-10**
Bulgaria : **162/6**
— Pirin Mountains : **152/3**
— Rhodope Mountains : **152/3**
— Rila Mountains : **152/3**
— Stara Planina Mountains : **155/21**
bunchgrass (Poaceae) : **153/12**
Bunochilus : **143/25**
Bursera fagaroides : **152/53**
bushfire : **143/47C, /48, /75**
Buxus, distribution : **145/48**
— conzattii (syn. **Sarcococca conzattii**) :
145/48
— [sirindhorniana](#) : **145/48**
Caladenia, taxonomic revision : **143/7, /19**
— behrii (syn. **Arachnorchis behrii**) : **143/15C**
— capillata : **143/9C**
— — × **Pheladenia deformis** natural hybrid :
143/10C
— cardiochila : **143/11C, /12C**
— carnea : **143/18C**
— dilatata : **143/7**
— latifolia : **143/14C**
— leptochila : **143/13C**
— reticulata (syn. **Arachnorchis reticulata**) :
143/17C
— rigida (syn. **Arachnorchis rigida**) : **143/16C, /17C**
— stricta : **143/11C**
— tentaculata (syn. **Arachorchis tentaculata**) :
143/7C
- Calamagrostis canadensis** var. canadensis
(Bluejoint Reed Grass) : **170/24**
- Calandrinia**, annual : **132/16C**
— taxonomic revision : **132/38**
— affinis F&W12614 : **156/15C, /16**
— — habitat : **156/16C**
- Calceolaria** sp. : **144/22**
— arachnoidea F&W11243 : **156/26, /27C**
— corymbosa : **137/37, /39C, /40C**
— polifolia : **132/8, /9C**
Calceolariaceae, **Calceolaria** : **144/14**
— **Jovellana** : **144/14**
- Calenana major** (Duck Orchid) : **143/23C**
California, native annuals : **162/58, /59, /60, /63**
— native plants : **162/2**
- Callianthemum alatavicum** : **135/40C, /41**
- Callibrachoa** : **134/36C**
- Callitris gracilis** : **143/5**
- Calocedrus decurrens** (Incense Cedar) : **170/3,**

/6, /9, /15, /20, /22, /23
Calochilus platytilus : **143/44C**
Calochortus leichtlinii : **170/10C**
— macrocarpus : **142/94C, /95C**
— minimus : **170/35C**
— tolmei : **167/20**
Calycera eryngioides : **138/24**
— sessiliflora : **132/18, /20C, /26**
Calytrix tetragona : **143/91C**
camanchaca (Pacific sea fog, Chile) : **137/37, /40C**
Camassia leichtlinii subsp. suksdorfii : **170/24, /25C**
Camellia japonica 'Alba Plena' : **134/28C**
— — 'Lavinia Maggi' : **134/28C**
Campanula tommasiniana
(Croatian/Tommasini bellflower) : **156/2, /34-36, /34C, /35C, /36C**
— — distribution : **156/35**
— — propagation : **156/34**
Campsis grandiflora : **137/48C**
Canada, Labrador : **170/2**
Nova Scotia, Halifax : **159/34, /35**
Canis aureus (Jackal) : **169/16**
— lupus (Wolf) : **169/16**
Cape Verde : **159/4**
Capra sibirica (Ibex) : **169/16**
Capreolus pygargus : **169/16**
Cardiocrinum giganteum var. yunnanense : **133/34C**
Carex baldensis : **167/12C**
— integra : **170/36**
— vesicaria (Inflated Sedge) : **170/20**
Carpha alpina : **142/5**
— curvata : **142/5**
— rodwayi : **142/29**
Carpinus betulus : **160/32**
— orientalis : **160/32**
Caspian Hyrcanian mixed forests : **160/29**
Cassiope, mounded cuttings : **146/71**
— pectinata : **135/42**
— tetragona : **133/31C**
Castilleja applegatei : **142/91C, /92**
— exserta subsp. latifolia : **142/87C**
— pruinose (Frosted Paintbrush) : **170/13C**
caterpillars (Kyrgyzstan) : **169/43C**
Cathartes aura (turkey vulture) : **137/35C**
Ceanothus arcuatus (Arching Ceanothus) : **170/9C, /20**
— cordulatus (Mountain Whitethorn) : **170/9, /26, /36**

Cedrus deodara : **135/52**
Celmisia bellidioides : **153/44**
Centaurea melitensis : **137/24C**
— sp. : **153/35C**
Centranthus ruber : **137/8C**
Cephalanthera, germination : **156/54**
— longifolia : **167/4, /6C**
Cervus canadensis : **169/16**
— elaphus : **169/16**
Chaetanthera chilensis F&W12613 : **156/7C**
— renifolia : **156/7**
— spathulata : **156/7**
— villosa : **156/7**
chalk : **145/4; 149/94; 165/7, /8, /9, /24C**
chaparral : **170/9, /13, /20**
chaulmoogra oil : **139/20**
Chamaecyparis formosensis : **145/55**
Cheilanthes (**Myriopteris**) gracillima (Lace Lip Fern) : **170/13**
— hypoleuca (glaucous form) : **132/12C**
Chile
Antofagasta Region, Taltal : **153/21**
Araucanía Region, Pino Hachado : **156/31**
— Volcan Llama : **167/25, /28C**
Atacama desert : **167/21**
Atacama Region : **153/20**
— Huasco : **144/3, /7C, /8C, /9C, /10C, /11C, /12C**
Bío Bío Region : **145/12D, /13C**
— Bío Bío Province : **145/16C, /17C**
— — Antuco : **145/13**
— — — tragedy : **145/2, /25**
— — Campanario : **145/44**
— — Laguna del Laja : **145/16C, /17C, /25; 167/25, /26C**
— — — National Park : **145/20**
— — Volcán Antuco : **145/1C, /15C, /16, /22, /23, /25, /44; 167/23**
— Volcán Chillan : **153/21**
Chiloe Island : **137/19**
Coquimbo Region : **137/42; 153/13, /19**
— Elquí valley : **153/25, /26, /27, /28; 156/15; 167/24**
Interior spiny matorral : **138/23**
Maule Region : **144/13D, /14, /16, /19, /21; 145/13; 156/3C**
— Curicó Province, Curicó : **156/4**
— — Lagunas de Teno : **156/3, /4C, /17, /18, /25, /28, /30C, /32C**
— — Los Queñes : **156/6, /7, /8**

- — Río Teno : **156/4, /8, /14, /17**
- — Vergara Pass : **156/3, /4C; 167/24**
- — Volcán Peteroa : **156/32**
- — Volcán Planchón : **156/30C, /32C**
- Linares Province : **144/14**
- — Río Achibueno upper valley : **144/21, /24, /30C, /50C**
- — — Lagunas Cuellar : **144/17, /41C, /42C**
- — Volcán Longaví : **144/14, /15C**
- Talca Province : **144/29C**
- — Altos de Lircay : **167/23**
- — Laguna del Maule : **153/27; 167/25, /27C**
- Punta Arenas : **145/12**
- Región Metropolitana de Santiago : **154/22; 167/25**
- Santiago cordilleras : **153/13**
- — Farellones : **167/24**
- — Lagunillas : **156/22**
- Valparaíso region : **132/5C; 137/17D, /18C, /28C, /51; 138/20D, /31**
- Aconcagua Andes : **138/19, /43**
- Aconcagua province : **153/20, /22**
- Aconcagua River, upper valley (Reserva Ecológica Oasis de La Campana) : **132/4**
- — (Río Colorado) : **132/7C**
- Chacabuco Pass : **137/26, /28C, /29; 138/22C, /23C, /39C**
- El Melón : **137/37**
- Los Andes : **137/18C; 153/25 /19, /22, /26C, /32, /47, /49C; 138/19**
- Los Ranchillos : **137/27, /29, /47; 138/19, /22, /23C, /25, /26, /29C, /39, /40C, /41, /42, /43C**
- Los Vilos : **137/36, /37, /43**
- Rungue reservoir : **137/29C**
- Tiltit : **137/31**
- — Street art : **137/32C, /33C, /34C**
- Villarica volcano : **137/52C**
- Chilean acacia savannah : **138/24C**
- endemic plants ([RBG Edinburgh website](#)) : **144/12**
- National Forest Corporation (CONAF) : **145/29**
- China
- Chensan Plant Research Center : **168/19**
- Chongqing Province : **161/53**
- Dabashan mountains : **161/30**
- Gansu/Kansu : **161/36**
- Choni Monastery : **139/20, /21**
- Guangxi : **161/28**
- Guizhou Acad. Agr. Sci., Horticultural Research Institute : **168/24**
- Guizhou : **161/28**
- Hangzhou : **142/83**
- Jilin : **142/83; 161/12**
- Qinghai : **135/51**
- Haibei, Zhugu Xiang, Dongxä village : **161/36**
- Anyemaqen Shan : **135/41C**
- Sichuan : **148/60**
- Balang Shan : **135/49**
- Chengdu : **148/53; 161/42**
- Mt. Omei : **161/31**
- Wolong valley : **161/30**
- Tibet (Xizang) : **139/30; 148/52, /60, /62; 161/36, /53**
- Chamdo (Qamdo) : **148/60**
- — Markam : **148/53, /60**
- — Rawu (Rawok) : **148/2, /53C, /54C, /55, /58, /59, /60, /62**
- Lhasa : **148/60, /62**
- Nyingchi, Zayul : **148/61, /62**
- Xi'an city, Chang'an : **168/24**
- Xinjiang : **141/24**
- Ak-Kum desert : **141/45C**
- Kashgar : **135/54**
- Yunnan : **161/28, /54**
- Baima Shan : **135/44, /45**
- Da Xue Shan : **135/49**
- Gaoligong Mountains : **161/54**
- Shangri-La (Zhongdian) : **135/42**
- Yalong Mountains : **139/20**
- Chionocharis hookeri** : **135/44, /45**
- Chionodoxa** (Scilla) : **160/4, /11**
- Chlidanthus fragrans** : **137/11, /12C**
- Chloraea alpina** : **144/22, /36C**
- — F&W11095 : **156/20C**
- magellanica : **144/22, /36C; 145/13, /14C**
- virescens (syn. *C. piquichen*) : **156/6C**
- viridiflora : **144/22, /37C**
- Chlorogalum pomeridianum** var. *pomeridianum* (Common Soap Root) : **170/27**
- Chrysosplenium oppositifolium** : **170/42C**
- Cichorium intybus** : **137/22C**
- Cirsium occidentale** subsp. *candidissimum* : **142/86C**
- vulgare : **137/23C**
- Ciscaucasia (North Caucasus) : **147/19**

- Cistanthe** (Montiaceae) : **132/3**
 — systematic relationships : **132/39**
 — taxonomy : **132/38**
 — arenaria : **132/24, /27, /39, /44C**
 — celedoniana : **132/3-50, /15C, /16C, /24*, /28C, /29C; 138/19**
 — — flower : **132/30C, /31C, /32C, /33C, /48C**
 — — — pressed : **132/25C**
 — — habitat : **132/17C, /18C**
 — — leaf/lamina : **132/30C**
 — — seed morphology : **132/26, /33C, /34C, /35C, /37C**
 — — seed vectoring : **132/34**
 — — type specimens : **132/23C**
 — crassifolia : **132/24, /27, /36C, /37C, /39**
 — floresiorum : **132/38, /39, /43C**
 — frigida : **132/39**
 — gibbosifolia : **132/4**
 — grandiflora : **132/14, /16C, /24, /26, /39, /40, /42C**
 — — seed morphology : **132/36C, /37C**
 — humilis : **132/39, /44C**
 — longiscapa : **132/38**
 — philhershkovitziana : **132/38**
 — picta : **132/39, /43C**
 — ranunculina : **132/39**
 — sitiens (basionym *Calandrinia sitiens*) : **132/45***
 — subspeciosa : **132/38**
Cistus laurifolius : **162/31**
 CITES : **138/20**
Cladosporidium orchidis (orchid 'black death' Pathogen) : **156/58**
Clarkia gracilis subsp. *traceyi* : **162/2C**
 — seedlings : **162/62C**
Clematis cultivar : **137/10C**
 — 'Nelly Moser' : **137/10C**
 — flammula : **137/10**
Clivia miniata, as internal standard for nuclear DNA measurement : **168/5, /6**
 Cobra insecticide : **165/15**
Codonopsis clematidea : **135/54; 169/6, /7C**
 Colchicaceae : **136/2, /3, /7; 147/17**
 — phylogenetics : **147/18**
 colchicine : **136/3**
Colchicum : **147/17**
 — allopolyploidy : **136/7**
 — Central Asia/Western Himalaya clade : **136/7**
 — corm tunics : **136/4, /6**
 — corms : **136/3, /6**
 — cultivated species : **136/3-84**
 — cultivation : **136/7, /8**
 — distribution : **136/3, 8-10**
 — flowering period : **136/7**
 — fragrance : **136/4**
 — hybrids : **135/12P**
 — — 'Altmarkstern' : **135/18, /19C**
 — — 'Conquest' : **135/11P, /13**
 — — 'Danton' : **135/13**
 — — 'Dombai' (*C. speciosum* cv.) : **135/19**
 — — 'Felbrigg Violet' : **135/14**
 — — 'Ferndown Beauty' : **135/18**
 — — 'Glorie van Holland' : **135/18**
 — — 'Guizot' : **135/18**
 — — 'Hidegkut' : **135/18**
 — — 'James Pringle' : **135/18**
 — — 'Klondike' : **135/18**
 — — 'Lilac Wonder' : **135/11P, /14**
 — — 'Naeisanum' : **135/18**
 — — 'Petrovac' : **135/18**
 — — 'President Coolidge' : **135/18**
 — — 'Pride of Holland' : **135/14**
 — — 'Purity' : **135/18**
 — — 'Rosy Dawn' : **133/41C**
 — — 'Ruby Queen' : **135/18**
 — — 'Surprise' : **135/18**
 — — 'Violet Queen' (*C. speciosum* × *bivonae*) : **135/11-19, /11P**
 — — 'W. Kerbert' : **135/18**
 — — 'Waterlily' : **135/11P, /12, /14**
 — leaf : **136/3, /4**
 — ovary underground : **136/4**
 — perianth colour : **136/4**
 — perianth segments : **136/3**
 — phylogenetics : **147/18**
 — pollinators : **136/4**
 — scout-flower : **136/4**
 — seed : **136/5**
 — — capsule : **136/4**
 — — dormancy : **136/5**
 — — hilum : **136/5**
 — — sowing : **136/5**
 — speciation & biodiversity centres : **136/7**
 — toxicity (colchicine) : **136/3**
 — × *agrippinum* : **135/18C**
 — *alberti* : **136/7**
 — — (Kyrgyzstan, Chuy, Ala-Bel Pass) : **136/71C**
 — — corms (Tajikistan, Darwaz, Tovil-Dara) :

- 136/72C**
Colchicum *alberti*, A. Seisums selections
(Tajikistan, Darwaz, Tovil-Dara) : **136/72C**
— — 'Janis Ruksans' : **136/72C**
— — (cf. *C. luteum* × *C. kesselringii*)
distribution : **136/10**
— *alpinum*, distribution : **136/9**
— *antepense* (Turkey, Adıyaman) :
136/46C
— — (Turkey, Gaziantep) : **136/46C**
— — *corms* (Turkey, Gaziantep) : **136/46C**
— — distribution : **136/9**
— *arenarium* (*C. fominii*) (Moldova, Budzhak) :
136/32C
— — — *corms* (Moldova, Budzhak) :
136/32C
— — (incl. *C. fominii*) distribution : **136/9**
— *asteranthum* (Greece, Peloponnesus,
Arkadia) : **136/33C**
— — *corms* (Greece, Peloponnesus, Arkadia) :
136/33C
— — distribution : **136/9**
— *atticum* : **144/81**
— — (Turkey, Denizli) : **136/47C**
— — *corms* (Turkey, Denizli) : **136/47C**
— — distribution : **136/9**
— — *stolon-like cormels* : **136/7**
— *autumnale*, *corm tunic* : **136/6**
— — *daughter corms* : **136/7**
— — distribution : **136/9**
— *balansae* (Turkey, Van) : **136/48C**
— — distribution : **136/9**
— *bivonae*, distribution : **136/9**
— — (Greece, Samos, Mount Ampelos) :
136/34C
— — *corm* : **136/6**
— — distribution : **136/9**
— — vs *Sternbergia clusiana* : **136/34C**
— *bornmuelleri* : **135/11P; 147/17**
— — as syn. of *C. speciosum* or cv group :
147/19
— *bulbocodium* subsp. *bulbocodium* (France,
Alpes Maritimes) : **136/35C**
— — — *corm* : **136/6**
— — — *corms* (France, Alpes Maritimes) :
136/35C
— — — *daughter corms* : **136/7**
— — — distribution : **136/9**
— — subsp. *versicolor* var. *versicolor*
(Moldova, Transnistria) : **136/35C, /36C**
— — — (Ukraine, Odessa) : **136/35C**
- — — — *corms* (Moldova, Transnistria) :
136/36C
— — — — distribution : **136/9**
— *burttii* (Turkey, Eskişehir) : **136/49C, /50C**
— — (Turkey, Isparta) : **136/49C**
— — *corms* (Turkey, Eskişehir) : **136/51C**
— — distribution : **136/9**
— *candidissimum* (Azerbaijan, Lerik) :
136/12C
— — (= *Merendera candidissima*) : **136/8***
— — *corm tunic* : **136/6**
— — *corms* (Azerbaijan, Lerik) : **136/12C**
— — distribution : **136/8**
— *chimonanthum* (Greece, Thessaloniki) :
136/36C
— — *corms* : **136/36C**
— — distribution : **136/9**
— *corsicum*, distribution : **136/9**
— *crocifolium* (Iran, Kermanshah) : **136/52C**
— — (Turkey, Gaziantep) : **136/52C**
— — (Turkey, Siirt) : **136/51C**
— — *corms* (Iran, Kermanshah) : **136/51C**
— — distribution : **136/9**
— *davisii* (Turkey, Adana) : **136/53C**
— — *corm* : **136/6**
— — distribution : **136/9**
— *decaisnei*, *corm* : **136/6**
— — distribution : **136/9**
— *doerfleri* (North Macedonia, Kumanovo) :
136/37C
— — (North Macedonia, Skopje) : **136/37C**
— — *corm tunic* : **136/6**
— — *corms* (North Macedonia, Skopje) :
136/37C
— — distribution : **136/9**
— *eichleri* (Azerbaijan, Gobustan) :
136/11C
— — (Azerbaijan, Ismaili) : **136/11C**
— — *corms* (Azerbaijan, Gobustan) : **136/11C**
— — distribution : **136/8**
— *figlalii* (Turkey, Muğla) : **136/53C, /54C**
— — *corms* (Turkey, Muğla) : **136/54C**
— — distribution : **136/9**
— *freynii* (Iran, Ardabil) : **136/13C**
— — (Iran, Jolfa) : **136/13C**
— — (*C. zangezorum*) (Armenia, Meghri) :
136/13C
— — *corm* : **136/6**
— — *corm tunic* : **136/6**
— — *corms* (Iran, Ardabil) : **136/1C, /13C**
— — *stolon-like cormels* : **136/7**

Colchicum freynii (incl. *C. zangezorum*)

- distribution : **136/8, /9**
- giganteum hort. : **135/12**
- — as syn. of *C. speciosum* or cv group : **147/20**
- greuteri (Armenia, Aragatsotn) : **136/14C**
- — corm tunic : **136/6**
- — corms (Armenia, Aragatsotn) : **136/14C**
- — distribution : **136/8**
- hirsutum (Turkey, Sivas) : **136/55C**
- — (Turkey, Tunceli) : **136/54C**
- — corm tunic : **136/6**
- — corms (Turkey, Sivas) : **136/55C**
- hirsutum, distribution : **136/9**
- hyrcanicum (syn. *C. speciosum* var. *lenkoranicum*) : **147/19**
- hungaricum, corm : **136/6**
- — — (Croatia, Dalmatia) : **136/38C**
- — daughter corms : **136/7**
- — distribution : **136/9**
- — 'Velebit Star' (Croatia, Velebit) : **136/38C**
- jolantae : **136/7, /8**
- — (= *Merendera jolantae*) : **136/8***
- — (Iran, North Khorasan, Kopet Dag) : **136/73C**
- — (Turkmenistan, Balkan, Kopet Dag) : **136/73C**
- — corm : **136/6**
- — corms (Turkmenistan, Balkan, Kopet Dag) : **136/73C**
- — distribution : **136/10**
- kackarense : **147/2, /17-41, /22***
- — conservation status : **147/28**
- — corms : **147/22C**
- — distribution : **147/27C**
- — etymology : **147/28**
- — gynoeceum & androeceum (Georgia, Racha-Lechkhumi & Kvemo Svaneti region) BARAKA-062 : **147/25C**
- — — BARAKA-063 as *C. speciosum* : **147/29C**
- — — LST-313 (Turkey, Artvin, Kaçkar Mts.) : **147/24C**
- — habitat : **147/28**
- — holotype sheet (GB!) : **147/23**
- — key : **147/38-39**
- — LST-292 (Turkey, Artvin, Kaçkar Mts.) : **147/2C, /23C, /38**
- — LST-313 (Turkey, Artvin, Kaçkar Mts.) : **147/21C, /27, /38**
- — phenology : **147/28**
- — recognition : **147/27, /38**
- kesselringii : **135/33C, /35, /36; 136/7**
- — (Kyrgyzstan, Alay Valley) : **136/75C**
- — corm tunic : **136/6**
- — corms (Kyrgyzstan, Alay Valley) : **136/76C**
- — distribution : **136/10**
- — infraspecific hyb. 'My Choice' : **136/7, /74C**
- — — 'Purple Star' : **136/7, /74C**
- — aff. (= *C. luteum* f. *alba*) 'Snow of Highland' : **136/7**
- — — 'Yeti' : **136/7**
- — f. *albiflora* (Uzbekistan, Alay Mountains, Fergana) : **136/76C**
- — — distribution : **136/10**
- kotschyi : **150/14**
- — (Iran, Zanjan) : **136/56C**
- — distribution : **136/9**
- kurdicum : **135/28C**
- — (Iran, Golestan) : **136/56C**
- — (Turkey, Van, Karabet Pass) : **136/57C**
- — corm : **136/6**
- — corms (Turkey, Van, Karabet Pass) : **136/57C**
- — distribution : **136/9**
- laetum (Russia, Eastern Stavropol) : **136/15C**
- — corm tunic : **136/6**
- — corms (Russia, Eastern Stavropol) : **136/14C**
- — distribution : **136/8**
- — seeds : **136/4C, /6C**
- lagotum (Turkey, Erzurum) : **136/58C**
- — corms (Turkey, Erzurum) : **136/57C**
- — distribution : **136/9**
- leptanthum (Turkey, Erzurum) : **136/58C**
- — (Turkey, Tunceli) : **136/58C**
- — corm tunic : **136/6**
- — corms (Turkey, Erzurum) : **136/58C**
- — distribution : **136/9**
- lenkoranicum (syn. *C. speciosum* var. *lenkoranicum*) : **147/19**
- liparochiadys (as syn. of *C. woronowii*, *C. speciosum*) : **147/19**
- liparochlamis (as syn. of *C. woronowii*, *C. speciosum*) : **147/19**
- luteum : **135/36; 136/7; 140/12, /23**
- — (Kyrgyzstan, Chuy, Ala-Bel Pass) : **136/76C, /77C**
- — corms (Tajikistan, Vakhsh) : **136/80C**

- Colchicum** luteum, distribution : **136/10**
 — — seed hilum : **136/5**
 — — infraspecific hyb. 'Carrot Line' : **136/7, /78C**
 — — — 'Golden Baby' : **136/7**
 — — — 'Golden Elf' : **136/7**
 — — — 'Lucky Selfmade' : **136/7, /78C, /79C**
 — — — 'Minion' : **136/7**
 — — — 'Selena' : **136/7**
 — — — 'Vahsh' : **136/7, /77C, /78C**
 — — — — corms (Kyrgyzstan, Chuy, Ala-Bel Pass) : **136/80C**
 — — f. alba : **136/7**
 — — — distribution : **136/10**
 — — — 'Snow of Highland' : **136/80C**
 — — — — corms : **136/81C**
 — — — — 'Yeti' : **136/79C**
 — macrophyllum (Greece, Rhodes) : **136/39C**
 — — corm : **136/6**
 — — corm tunic : **136/6**
 — — distribution : **136/9**
 — manissadjianii (Turkey, Amasya) : **136/59C**
 — — corm : **136/6**
 — — corms (Turkey, Amasya) : **136/59C**
 — — distribution : **136/9**
 — — stolon-like cormels : **136/7**
 — micaceum (Turkey, Denizli) : **136/60C**
 — — distribution : **136/9**
 — minutum (Turkey, Antalya) : **136/61C**
 — — corm : **136/6**
 — — corms (Turkey, Antalya) : **136/61C**
 — — distribution : **136/9**
 — mirzoevae (Armenia, Tavush) : **136/16C**
 — — corms (Armenia, Tavush) : **136/17C**
 — — distribution : **136/9**
 — montanum (Spain, Maestrazgo) : **136/40C**
 — — corms (Spain) : **136/40C**
 — — distribution : **136/9**
 — munzurense (Turkey, Tunceli) : **136/62C**
 — — corm : **136/6**
 — — corms (Turkey, Tunceli) : **136/61C**
 — — daughter corms : **136/7**
 — — distribution : **136/10**
 — neapolitanum : **135/18**
 — persicum (Iran, Fars) : **136/63C**
 — — (Iran, Markazi) : **136/63C**
 — — distribution : **136/10**
 — poliphyllum, distribution : **136/10**
 — pusillum (Greece, Naxos) : **136/41C**
 — — distribution : **136/9**
 — — raddeanum (Iran, Gilan) : **136/18C**
 — — (Iran, Kuhha-(y)e-Sabalan) : **136/17C, /18C**
 — — corm tunic : **136/6**
 — — corms (Armenia, Vayots Dzor) : **136/17C**
 — — distribution : **136/9, /10**
 — robustum : **136/7, /8**
 — — white & pink forms (Iran, North Khorasan, Kopet Dag) : **136/81C, /82C, /83C**
 — — corms vs. *C. jolantae* (Iran, North Khorasan, Kopet Dag) : **136/84C**
 — — distribution : **136/10**
 — — seed hilum : **136/5**
 — — seeds : **136/5C**
 — sanguicolle (Turkey, Antalya) : **136/64C**
 — — (Turkey, Muğla) : **136/64C**
 — — distribution : **136/10**
 — serpentinum (Turkey, Konya) : **136/65C**
 — — (Turkey, Sivas) : **136/65C**
 — — (Turkey, Tunceli) : **136/64C, /65C**
 — — corm tunic : **136/6**
 — — corms (Turkey, Konya) : **136/65C**
 — — distribution : **136/10**
 — sfikasianum (Greece, Southern Peloponnesus) : **136/41C**
 — — distribution : **136/9**
 — sibthorpii : **135/12**
 — sieheanum (Turkey, Mersin) : **136/66C**
 — — distribution : **136/10**
 — soboliferum (Turkey, Van) : **136/67C**
 — — corm : **136/6**
 — — corm tunic : **136/6**
 — — corms (Turkey, Van) : **136/67C**
 — — distribution : **136/10**
 — — seed hilum : **136/5**
 — sp. (NW Iran) : **150/58, /65; 160/20**
 — — (Turkey, Burdur, Katrancık Dağı) : **162/33**
 — — (Turkey, Van) : **160/7**
 — speciosum : **135/12; 141/51; 147/17, /18D, /27, /32, /35, /38**
 — — (Georgia, Abkhazia) : **136/19C, /22C**
 — — (Georgia, Abkhazia, Berchil Ridge) : **147/36C**
 — — (Iran, Talysh) : **136/22C**
 — — (Iran, Gilan Province, Talysh Mts., Kuhha-ye Tales) : **147/34C**
 — — (Russia, North Caucasus, Dombai) : **136/20C, /21C**
 — — (Russia, Karachay-Cherkessia, Dombay) : **147/28C**
 — — — (Dombay-Ulgen & Alibek Gorges) :

- 147/36**
Colchicum speciosum (Turkey, Bayburt Province, Soğanlı Pass) : **147/30, /31C, /38**
 — — aneuploidy : **147/20**
 — — BARAKA-062 : **147/29C**
 — — daughter corms : **136/7**
 — — distribution : **136/9; 147/19, /27C**
 — — — in Iran : **147/34**
 — — 'Dombai' : **135/19**
 — — f. Album (Turkey, Gümüşhane Province, Zigana Pass) : **147/30C, /38**
 — — gynoecium & androecium (Turkey, Ordu Province) : **147/26C**
 — — habitat (Iran, Gilan Province) : **147/32C**
 — — — — Talysh Mts., Kuhha-ye Tales : **147/33C**
 — — key : **147/38-39**
 — — 'Ordu' : **147/30**
 — — *sensu lato* : **147/20**
 — — synonyms : **147/19**
 — — — var. lenkoranicum : **147/19**
 — — taxonomy : **147/19, /20**
 — szovitsii, corm : **136/6**
 — — corm tunic : **136/6**
 — — daughter corms : **136/7**
 — szovitsii agg. C. bifolium (Armenia, Lori) : **136/25C, /26C**
 — — — (Armenia, Mount Aragats) : **136/25C**
 — — — corms (Armenia, Lori) : **136/26C**
 — — — f. alba : **136/24C**
 — szovitsii agg. C. ninae : **136/24C**
 — — — (Armenia, Vayots Dzor, Jermuk) : **136/27C**
 — — — corms (Armenia, Vayots Dzor, Jermuk) : **136/27C**
 — — subsp. brachyphyllum (Turkey, Gaziantep) : **136/68C**
 — — — corms (Turkey, Gaziantep) : **136/68C**
 — — — distribution : **136/10**
 — — subsp. szovitsii : **133/49C, /50C**
 — — — (Armenia, Vayots Dzor) : **136/23C**
 — — — (Iran, Kuhha-(y)e-Sabalan) : **136/23C**
 — — — (incl. C. bifolium, C. ninae) distribution : **136/9**
 — — subsp. szovitsii s.s. (Armenia) : **136/24C**
 — — — corms (Armenia, Vayots Dzor) : **136/24C**
 — cf. szovitsii (Iran, West Azerbaijan Province, Oshnavieh) : **149/76**
 — trigynum (= *Merendera trigyna*) : **136/8**
 — — (Armenia, Lori) : **136/28C**
 — — pink & white forms (Russia, North Caucasus, Karachay-Cherkess Republic) : **136/29C**
 — — corm tunic : **136/6**
 — — corms (Armenia, Lori) : **136/29C**
 — — distribution : **136/9, /10**
 — triphyllum (Iran, Semnan) : **136/42C**
 — — (Ukraine, Odessa, Hadzhibey Estuary) : **136/42C**
 — — (Ukraine, Odessa, Tiligul Estuary) : **136/43C**
 — — corm tunic : **136/6**
 — — corms (Iran, Semnan) : **136/43C**
 — — — (Ukraine, Eastern Crimea) : **136/43C**
 — — diseased corms : **165/16C**
 — — distribution : **136/9, /10**
 — turcicum (Bulgaria, Eastern Rhodopes) : **136/44C**
 — — (Greece, Macedonia) : **136/44C**
 — — distribution : **136/9**
 — umbrosum (Ukraine, Crimea) : **136/30C**
 — — distribution : **136/9**
 — varians, corm tunic : **136/6**
 — — corms (Iran, Markazi) : **136/69C**
 — — distribution : **136/10**
 — — pink & white forms (Iran, Markazi) : **136/69C**
 — — stolon-like cormels : **136/7**
 — variegatum : **135/24C, /26**
 — — (Greece, Ikaria) : **136/45C**
 — — (Greece, Naxos) : **136/45C**
 — — distribution : **136/9**
 — wendelboi (Iran, Bakhtiari) : **136/70C**
 — — (Iran, Lorestan) : **136/70C**
 — — corms (Iran, Lorestan) : **136/70C**
 — — distribution : **136/10**
 — woronowii : **147/17, /19, /27, /39C**
 — — (Georgia, Abkhazia, Mount Mamdzyshkha) : **136/31C; 147/35C**
 — — aneuploidy : **147/20**
 — — corm tunic : **136/6**
 — — distribution : **136/9; 147/27C**
 — — key : **147/38-39**
 — — seed hilum : **136/5**
 — — seeds : **136/5C**
Colobanthus quitensis : **152/37**
 — — [cultivation](#) : 152/37
Columbina picui (Picui Ground Dove) : **134/36C**
Conanthera trimaculata : **138/24, /25C**
 concrete : **152/33, /35**

- crushed : **166/29**
- Convolvulus arvensis** : **134/1C, /29C**
- Corallodiscus** : **139/46**
- Corallorhiza maculata** var. *maculate* (Summer Coralroot) : **170/32C**
- Cordylanthus tenuis** subsp. *tenuis* (Slender Bird's Beak) : **170/21**
- Cornus sericea** subsp. *sericea* (Red Osier Dogwood) : **170/34**
- Corona virus : **137/2, /21C; 145/2; 148/2; 169/21**
- pandemic : **158/2; 164/2**
- Corydalis** hybrids : **165/6C**
- *benecincta* : **135/49**
- *calycosa* : **135/49**
- *fedtschenkoana* : **135/40C, /41**
- *haussknechtii* : **160/20**
- *ledebouriana* : **135/35, /36, /37C**
- *maracandica* : **135/35**
- *meifolia* : **135/53**
- *melanocentra* : **135/44**
- sp. : **135/34C**
- *verticillaris* : **150/14**
- Costa Rica, Cerro de la Muerte : **167/20**
- Cousinia thomsonii** : **135/54**
- COVID-19 : **134/20; 137/3, /21C, /25, /36, /51; 138/26; 142/2, /85; 145/2**
- COVID Diaries : **135/55L; 141/2**
- Crambe kotshyana** : **135/35**
- Craspedia** sp. : **143/52**
- *gracilis* (Billy Buttons) : **143/54C, /55, /69C**
- Crassulaceae : **159/2, /5; 169/2**
- Crataegus knorringiana** : **169/6**
- *monogyna* : **134/24C**
- Cremanthodium brunneopilosum** : **135/51**
- crevice garden(s) : **138/4C; 148/69, /70; 153/46C, /47C /48C, /49C, /50C, /51C, /52C, /53C, /54C, /55C, /56C, /57C**
- [article by Z. Zvolanek \(The Rock Garden, January 2003\)](#) : **153/45C**
- Crinodendron hookerianum** : **133/32C**
- Cristaria dissecta** : **132/14, /16C, /26**
- Croatia, Biokovo mountain : **164/3**
- Istrian peninsula : **156/35**
- Crocus**
- acid soil preference : **152/4, /7, /9, /28**
- annulate corm tunic : **150/48, /49**
- — distribution in NW Iran : **150/49C**
- — (Iran) key : **150/91-92**
- collection : **165/7C**
- corms, thrip/mite damage : **165/15C**
- cultivation & taxonomy : **165/25-35**
- National Collection (UK) : **164/28**
- new species : **144/54-91; 149/70-90; 150/47-93**
- significant morphological features : **150/48**
- repotting : **165/18C**
- seedpods, pest-damaged : **165/16C**
- soil pH : **165/8, /9, /10**
- species localities : **165/28**
- spring-flowering : **165/10C**
- taxonomy : **162/3, /4, /5**
- series *Adamii* : **150/48**
- series *Biflori* : **150/48**
- — sensu Mathew : **162/40**
- *adamii* : **150/48, /59**
- *alatavicus* : **135/36, /37C; 169/27C, /28C, /29C**
- *albocoronatus* : **148/36**
- *almehensis* : **149/72C; 150/35, /48, /91**
- *antalyensis* : **162/32, /46**
- *archibaldianum* : **147/32**
- *athous* : **162/6, /8C, /11**
- *atticus* : **162/6C, /11**
- *autranii* : **147/35; 162/30**
- *azerbaijanicus* : **150/52, /58-59*, /60C, /61C, /62C, /63C, /91**
- — corm tunics : **150/59C**
- — distribution : **150/58**
- — etymology : **150/59**
- — habitat : **150/57C**
- — holotype : **150/64C**
- — leaf morphology : **150/60C**
- — separation from *C. adamii* : **150/59**
- *balansae* : **144/66**
- *baytopiorum* : **135/21**
- *biflorus* : **150/48**
- — subsp. *biflorus* (several taxa under) : **147/20**
- — subsp. *isauricus* : **135/21**
- — subsp. *nubigena* : **135/21C**
- — sensu lato : **162/41**
- *bozdagensis* : **162/22-23*, /24C, /25C**
- — albino form : **162/21, /24C, /25C**
- — corms, tunic, cormlets : **162/26C**
- — etymology : **162/24**
- — flower details : **162/25C**
- — habitat & distribution : **162/22**
- — holotype : **162/22, /27C**
- — in habitat : **162/22C**
- — leaf morphology : **162/25C**

Crocus bozdagensis, location : **162/21C**

- — seedpods : **162/26C**
- — seeds : **162/27C**
- — separation from *C. thirkeanus* & *gargaricus* : **162/23**
- — *brickellii* : **162/28, /29, /31**
- — 12TU-020 : **162/30C**
- — locations : **162/33C**
- — yellow form : **162/30C**
- — *bydzowskyanus* : **162/33-35***, /46, /52
- — BATM-471 : **162/32, /34, /37C**
- — (Turkey, Konya province, Beyşehir-Ibradi) JP 91-13, flower parts : **162/37C**
- — — leaf morphology : **162/37C**
- — JP 91-13B : **162/32, /33, /35C**
- — R2CV-047 : **162/1C, /32, /34, /36C ; 163/2**
- — etymology : **162/35**
- — habitat & distribution : **162/33**
- — holotype : **162/33, /39C**
- — locations : **162/33C**
- — pollination : **162/38C**
- — recognition : **162/34**
- — seeds & seedpods : **162/38C**
- — *cancellatus* (now *C. mazziaricus*) : **144/54; 162/6**
- — ARG1-103 : **144/55C**
- — *caspius* : **160/29, /32**
- — *chiaicus* : **150/73C, /73-75*, /78C, /79C, /91**
- — 18IRS-059 : **150/77C**
- — corm tunics : **150/76C**
- — corms : **150/76C**
- — distribution : **150/73**
- — etymology : **150/75**
- — flower details : **150/77C**
- — habitat : **150/73**
- — holotype : **150/77C**
- — leaf morphology : **150/75C**
- — separation from *C. dolatyarii* : **150/75**
- — *chionophilus* : **150/80-81*, /85C, /86C, /87C, /88C, /91**
- — 22IRS-035 : **150/89**
- — distribution : **150/49C**
- — corm tunics : **150/84C**
- — distribution : **150/80**
- — etymology : **150/82**
- — flower details : **150/84C**
- — habitat : **150/80C**
- — holotype : **150/83C**
- — leaf morphology : **150/84C**

- — seed capsule & seeds : **150/1C, /82C**
- — separation from *C. adamii* : **150/82**
- — *christianii* : **162/51-52***
- — RIGA-028 (Turkey, nr. Beyşehir Gölü, Fela) : **162/46, /51, /52, /53C, /56C**
- — — flower parts : **162/53C**
- — — leaf morphology : **162/54C**
- — — seedpods & seeds : **162/54C**
- — etymology : **162/52**
- — habitat & distribution : **162/51**
- — holotype : **162/51, /55C**
- — recognition : **162/52**
- — cf. *christianii* : JP 87-89 (Turkey, Konya, Beyşehir-Sarki Karagaç) : **162/46, /47C**
- — KPPZ-354 (Turkey, Konya, Beyşehir-Akseki) : **162/46, /47C**
- — RIGA-002 (Turkey, Konya, nr. Üzümlü) : **162/46, /47C**
- — *chrysanthus* : **133/52; 150/48; 164/9**
- — cf. *chrysanthus* : **162/20, /22**
- — [cobbii](#) : **164/2**
- — *concinus* : **151/6C**
- — *cvijicii* : **152/7**
- — *damascenus* : **144/55; 150/49, /65, /73**
- — JJVV-039 : **144/55C**
- — *danfordiae* : **162/30, /34, /40, /46**
- — complex : **162/28-56**
- — distribution (Güner's map) : **162/44C**
- — *fide* Maw : **162/28, /30, /31, /32, /34, /40, /52**
- — — description : **162/28-29**
- — *sensu lato* : **162/28, /29, /30, /32, /40, /41C**
- — — 12TU-008 (Turkey, Muğla/Antalya, nr. Bekçiler) : **162/46, /50C**
- — — 14TUS-011 (Turkey, Antalya, Ekizce yaila) : **162/46, /49C**
- — — 14TUS-013B (Turkey, Antalya, Altinyaka-Antalya, Sarichinardağ) : **162/30, /46, /50C**
- — — BATM-391 (Turkey, Kahramanmaraş, nr. Göksun) : **162/41, /43C**
- — — BATM-402 (Turkey, Adana, Kaan gec.) : **162/41, /43C, /44C**
- — — JATU-014 (Turkey, Kütahya, Kütahya-Gediz) : **162/47, /50C**
- — — JJVV-024 (Turkey, Adana, Kaan gec.) : **162/41**
- — — JJVV-052 (Turkey, Antalya, Ekizce yaila) : **162/30, /46, /49C**
- — — JRRK-085 (Turkey, Sivas, Mazıkıran

- gec.) : **162/41, /44C**
- Crocus danfordiae sensu lato**, JRRK-089
(Turkey, Kayseri, Ziyarettepesi Geçidi) :
162/41
- — — KPPZ-274 (Turkey, Ankara, Kuyuklu Dağ) : **162/41**
 - — — KPPZ-274A : **162/42C**
 - — — KPPZ-292 (Turkey, Sivas, Gurun-Pınarbaşı) : **162/41, /42C**
 - — — localities : **162/45C**
 - — — LST-014 (Turkey, Isparta, Bahtiyar) : **162/46, /48C**
 - — — LST-022 (Turkey, Akşehir/Konya, Sultan Dağları) : **162/46, /48C**
 - — — LST-044 (Turkey, Konya, nr. Akşehir) : **162/47, /50C**
 - — — LST-347 (Turkey, Malatya/Kahramanmaraş, Matalya-Elbistan) : **162/41, /43C**
 - — — LST-365 (Turkey, Kayseri, Ziyarettepesi Geçidi) : **162/41, /43C**
 - — — RUDA-096 (Turkey, Kayseri, Dokuzdolanbaç gec.) : **162/41, /42C**
 - — — RUDA-099 (Turkey, Adana, Kaan gec.) : **162/41**
 - danfordiae subsp. kurdistanicus (now *C. kurdistanicus*) : **149/73; 150/49**
 - dolatyarii : **149/2, /70-90, /76-78*, /82C, /84C, /85C, /87C, /88C, /89C; 150/91**
 - — as 'sp., biflorus group' : **149/70, /71C**
 - — — flower details : **149/70C**
 - — corm tunics : **149/83C**
 - — distribution map : **149/84C; 150/49C**
 - — etymology : **149/78**
 - — habitat & distribution : **149/76**
 - — holotype : **149/76, /80C**
 - — in habitat : **149/76C, /78C**
 - — isotype (RIG! 22IRS-076) : **149/76, /81C**
 - — leaf morphology : **149/83C**
 - — locus classicus : **149/79C, /84C**
 - — separation from *C. roopiae* : **149/79**
 - — white form : **149/86C**
 - erolii : **144/2, /56*, /57C, /61C, /80**
 - — basal plate : **144/59C**
 - — corm tunic : **144/58C, /60C**
 - — etymology : **144/57**
 - — flower details : **144/60C, /61C, /62C**
 - — habitat & distribution : **144/56**
 - — holotype : **144/63**
 - — location map : **144/55C**
 - — seed pods : **144/62C**
 - — seeds : **144/62C**
 - etruscus : **164/9**
 - fleischeri KJGR-034 : **144/64C, /66**
 - gargaricus : **162/15C, /16C, /20, /23**
 - — subsp. gargaricus (now *C. gargaricus*) : **162/15**
 - — subsp. herbertii (now *C. thirkeanus*) : **162/15**
 - — corm tunic : **162/16C**
 - — corms : **162/16C**
 - — leaf morphology : **162/16C**
 - — locus classicus : **162/21C**
 - gembosii : **133/51C, /54C, /55**
 - — 'Golden Delight' : **133/54C, /55**
 - — 'Sunspot' : **133/52C**
 - — hybrids : **133/52C**
 - georgei : **162/6, /8C, /11**
 - gilanicus : **162/30**
 - gramensis (*nomen nudum*) : **152/7, /8**
 - gunae : **150/91**
 - hadriaticus 14GRA-049 : **165/32C**
 - — — shoots : **165/32C**
 - — 18GRA-096 : **165/32C**
 - — — shoots : **165/32C**
 - — PELOG-003 : **165/35C**
 - — PELOG-009 : **165/35C**
 - — subsp. parnassicus : **165/33**
 - — — 18GRA-099 : **165/33C, /34C**
 - — — — shoots : **165/34C**
 - — subsp. parnonicus : **165/33, /34C**
 - cf. hadriaticus : **165/33**
 - heuffelianus : **164/9**
 - homeri : **144/2, 69C, /70C, /71C, /72***
 - — 'Homeri' : **144/66C**
 - — corms : **144/74C**
 - — etymology : **144/73**
 - — flower details : **144/74C, /75C, /76C**
 - — habitat : **144/68C, /69C**
 - — habitat & distribution : **144/72**
 - — KJGR-001 : **144/77C**
 - — KJGR-038 : **144/78C**
 - — KJGR-040 : **144/78C**
 - — KJGR-047 : **144/78C**
 - — KJGR-060 : **144/79C**
 - — leaves : **144/69C, /70C**
 - — localities map : **144/67C**
 - — seed pods : **144/75C**
 - — seeds : **144/76C**
 - — throat hairs : **144/73C**
 - — white form : **144/68C**
 - inghamii : **150/91; 165/27, /28C**

- — corm tunic : **165/28**
- Crocus iranicus** : **150/66, /91**
- cf. *iranicus* : **151/12**
- *jablanicensis* : **152/9, /10, /14C, /15C, /25C, /28**
- — corm tunic : **152/20C**
- *jostii* (syn. *C. veluchensis* var. *micranthus*, nom. inval.) : **152/1C, /3-30, /8-9*, /11C, /12C, /13C, /14C, /15C, /18C, /19C, /20C, /23C, /26C, /27C; 165/10**
- — (N Macedonia, Popova Šapka Mt.) : **152/26C, /27C, /30C**
- — 22NMC-0014 (N Macedonia, Popova Šapka) : **152/17C**
- — 22NMC-005 (N Macedonia, Jablanica) : **152/16C**
- — basal plate : **152/19C**
- — collection localities : **152/10C, /28C**
- — corm tunic : **152/19C**
- — cultivation : **152/28**
- — etymology : **152/9**
- — flower details : **152/18C**
- — habitat & distribution : **152/9, /10C, /11C, /25C**
- — holotype RIG! : **152/8, /16C**
- — separation from *C. veluchensis* : **152/3, /10**
- — ? hybrid with *C. jablanicensis* : **152/10, /15C**
- *korolkowii* : **135/35, /36, /37C**
- *kosaninii* : **165/10**
- *kurdistanicus* : **150/35, /91; 162/28, /30, /56**
- — syn. *C. danfordiae kurdistanicus* : **150/49**
- — 18IRS-020 : **149/73C, /74 ; 162/29C, /30**
- *laevigatus* f. *albus* 'Ray Cobb' : **164/32**
- *ligusticus* (syn. *C. medius*) f. *albus* : **164/32**
- *lycius* : **162/46**
- *marandicus* : **150/51-52*, /52C, /56C, /57C, /91**
- — corm tunics : **150/53**
- — corms : **150/53**
- — distribution : **150/51**
- — etymology : **150/51**
- — flower details : **150/54**
- — habitat : **150/50C, /51**
- — holotype : **150/55C**
- — leaf morphology : **150/54**
- — separation from *C. azerbaijanicus* : **150/51, /59**
- — white form : **150/53C**
- *mathewii* : **135/21; 144/54**
- *mawii* : **133/47C, /51C, /52, /55**
- *mazziaricus* : **144/80, /81**
- — (as *C. cancellatus* subsp. *mazziaricus*) : **144/80**
- — Kos locality map : **144/81**
- — 14GRA-051 : **165/30C**
- — PELOG-008 : **165/30C**
- cf. *mazziaricus* KJGR-074 : **165/30C**
- *minutus* : **162/28, /29, /52**
- — HZ-88-38 : **162/31C, /32**
- — R2CV-038 : **162/31C**
- — locations : **162/32**
- — separation from *C. danfordiae* : **162/32**
- *mouradi* (syn. *C. flavus* subsp. *dissectus*) : **162/31**
- *neapolitanus* : **164/3**
- *nivalis* : **162/6C, /11**
- *olivieri* : **144/66**
- *oreocreticus* f. *albus* : **164/32**
- *pallasii* : **144/54, /67, /68, /80, /81; 165/30, /31C**
- — corm tunic : **165/30C**
- — 'Homeri' : **144/64, /66, /67**
- cf. *pallasii* ILOP-009 : **165/31C**
- — — corm tunics : **165/31C**
- *pelistericus* : **152/9; 165/10**
- — (N Macedonia, Jablanica) : **152/23C**
- *pilousii* PJC-215 : **162/9C, /10-11*, /14C**
- — corms : **162/13C**
- — etymology : **162/11**
- — flower, detail : **162/11C, /12C**
- — holotype : **162/10, /14C**
- — leaf morphology : **162/12C**
- — locus classicus : **162/13C**
- — separation from *C. sieberi* complex : **162/11**
- *pseudoiranicus* : **150/65-67*, /70C, /71C, /72C, /92**
- — corm tunics : **150/67C**
- — corms : **150/67C**
- — distribution : **150/65**
- — etymology : **150/66**
- — flower details : **150/65C**
- — habitat : **150/65**
- — holotype : **150/68C**
- — leaf morphology : **150/69C**
- — seed capsules & seed : **150/69C**
- — separation from *C. iranicus* : **150/67**
- *pulchellus* : **144/66**
- — as '*C. biflorus*' : **144/66**

- — f. albus 'Sylvia Cobb' : **164/32**
- Crocus pulchricolor** : **162/20; 165/26C, /28**
- — R2CV-003 : **162/17C**
- reinhardii : **150/91; 165/27, /28**
- — corm tunic : **165/27**
- — separation from *C. inghamii* : **165/27**
- reticulatus complex : **160/24**
- robertianus f. albus : **164/32**
- 'Ronald Ginns' (*C. sieberi* x *C. sublimis* 'Tricolor') : **164/30C**
- roopiae : **149/79**
- — as *C. biflorus* subsp. *taurii* : **149/79**
- ruksansii : **90/2-13**
- sakaltutanensis : **165/28, /29C**
- — HKEP-9927 : **165/29C**
- salzmannii f. albus 'El Torcal' : **164/31C**
- samarsii : **144/2, /82*, /84C, /85C, /86C, /90C, /91C**
- — basal plate : **144/88C**
- — corm tunics : **144/80, /89C**
- — etymology : **144/83**
- — flower details : **144/86C, /87C**
- — habitat : **144/83C**
- — habitat & distribution : **144/82**
- — Kos locality map : **144/81C**
- — throat hairs : **144/88C**
- — type locality : **144/80**
- sanandajensis : **150/48, /49, /92**
- — distribution : **150/49C**
- sativus : **150/48**
- scardicus : **152/9, /27C, /28; 165/10**
- — (N Macedonia, Popova Šapka Mt.) : **152/26C**
- scharojanii : **141/48, /49C; 152/28; 165/10**
- sieberi : **162/5, /6C, /7, /11; 164/9**
- — subsp. *atticus* (now *C. atticus*) : **162/5**
- — subsp. *nivalis* (now *C. nivalis*) : **162/5**
- — subsp. *sieberi* (now *C. sieberi*) : **162/5**
- — subsp. *sublimis* (now *C. sublimis*) : **162/5**
- — — JJA 352.552 : **162/7, /9C**
- sivasensis : **165/28**
- speciosus agg. : **160/2**
- — in Iran : **150/49**
- cf. *speciosus* : **160/29, /32**
- sp., 22IRS-034, distribution : **150/49C**
- sp., 22IRS-034 (NW Iran, Kagnalagn) : **150/89C, /90C**
- sp. 22IRS-038, distribution : **150/49C**
- sp. 22IRS-041, distribution : **150/49C**
- sp. 22IRS-061, distribution : **150/49C**
- sp. 22IRS-079, distribution : **150/49C**
- sp. 22IRS-087, distribution : **150/49C**
- sp. 22IRS-099, distribution : **150/49C**
- sp. 22IRS-101, distribution : **150/49C**
- sp. (yellow, W Iran) : **149/74C, /75C**
- sp. HKEP-1631, as 'cf. *roopiae*' : **149/79**
- — approx. location : **149/84C**
- sublimis : **152/7; 162/6, /8C, /11**
- — PJC-215 (now *C. pilousii*) : **162/7, /11**
- — — coll. as *C. sieberi* *atticus*? : **162/7**
- — 'Tricolor' : **164/9**
- thirkeanus (syn. *C. herbertii*) : **162/15, /18C, /20, /21, /22, /23, /24**
- — R2CV-002 : **162/17C, /18C**
- — — corms & stoloniferous cormlets : **162/19C**
- — — leaf morphology : **162/19C**
- — in habitat : **162/17C**
- — location : **162/21C**
- — stoloniferous habit : **162/20, /21**
- tommasinianus : **156/35; 164/8, /28**
- — distribution : **164/3**
- — cultivars : **164/2, /3-23**
- — — 'Barr's Purple' : **164/3, /7**
- — — 'Bobbo' : **164/3C, /5**
- — — 'Claret'/Claret Group : **164/6, /28, /29C**
- — — claret form : **164/1C, /28, /29**
- — — 'Cream Tease' : **164/4C, /5C, /23**
- — — 'Deano' : **164/5C, /6, /6C, /23**
- — — 'Eostre's Egg' : **164/4, /6C, /7C, /23**
- — — 'Eric Smith' : **164/3, /16, /28**
- — — 'Farndale Purple' : **164/7C, /8C, /23**
- — — 'Foursquare' (hybrid with *C. vernus*) : **164/8, /9C, /23**
- — — 'Fridtjof' (hybrid with *C. chrysanthus*?) : **164/9C, /10C, /22, /23**
- — — 'Hörup' : **164/10C, /11C, /23**
- — — 'Leo' : **164/11C, /12C, /23**
- — — 'Lilac Beauty' : **164/3**
- — — 'Mousse de Framboise' : **164/6, /12C, /13C, /23**
- — — 'Myddleton Red' : **164/14C, /23**
- — — 'Peter Grimshaw' : **164/3C, /14C, /15C, /23**
- — — 'Pictus' : **164/3**
- — — 'Pieta' : **164/16C, /19, /23**
- — — 'Pixel' : **164/16, /17C, /23**
- — — 'Roseus' : **164/3**
- — — 'Ruby Giant' : **164/3**
- — — 'Silver Lining' : **164/18C, /23**
- — — 'St. Sepulchre's Pale' : **164/19C, /23**

Crocus tommasinianus cultivars, 'Topsy' :
 164/19C, /20C, /23
— — — 'Wandering Minstrel' (hybrid with *C. vernus*) : **164/20, /21C, /23**
— — — 'Wendy Marr' (hybrid with *C. vernus*) : **164/10, /22C, /23**
— — — 'Whitewell Purple' : **164/3**
— — — 'Yalta' (hybrid with *C. x cultorum*) : **164/3**
— — varieties : **164/2, /3-23**
— *tomoricus*, as syn. with *C. veluchensis* : **152/7**
— — collection localities : **152/10**
— *vallicola* : **165/10**
— *veluchensis* : **152/3, /7, /8, /10; 162/7**
— — (Greece, Elatia forest) : **152/5C**
— — (— Mt. Parnassós) : **152/6C**
— — (— Mt. Voros) : **152/5C**
— — (Kosovo, above Vratnica) : **152/6C**
— — — hairs base inner segments : **152/6C**
— — (Serbia, Surdulica to Streezimirovci, nr Vlasinsko reservoir) : **152/4C**
— — corm tunic : **152/21C**
— — — (Greece, Mt. Ossa) : **152/21C, /22C**
— — — (Greece, Tymfristos) : **152/21C**
— — cultivation : **152/29**
— — group : **165/10**
— — *sensu lato* : **152/3, /4**
— — — collection localities : **152/10C**
— — — hybridization : **152/8**
— — — population diversity : **152/7**
— — separation from *C. sublimis* : **152/7-8**
— — white form : **152/5C**
— — var. *micranthus*, nom. inval. (as syn. of *C. jostii*) : **152/8, /10, /28**
— *vernus* : **164/3**
— *wattiorum* : **135/21; 164/28**
— *weldenii* hybrid 'Myddleton Cream' : **164/29**
— *yalovens* : **152/28**
— *zagrosensis* : **150/49, /92**
— *zanjanensis* : **150/91**
— *zetterlundii* : **165/25C, /28**
— — JATU-008 : **165/26**
— — LST-103 : **165/26**
— — LST-108 : **165/26**
— — separation from *C. pulchricolor* : **165/25-27**
[Crocus Pages](#) (Tony Goode) : **164/23**
cryptic species : **148/8**
cultivar : **139/27**

Curaeus curaeus (Austral Blackbird) :
 134/22C
Cyananthus flavus : **148/55**
— *microphyllus* : **148/55**
Cyclamen coum : **133/20C; 164/25**
— — subsp. *coum* f. *coum* 'Porcelain' : **141/55**
— 'Porcelain' : **141/2, /53C, /54C, /55**
— — open-pollinated seedling from : **141/55C**
— *graecum* subsp. *anatolicum* : **135/26**
— *hederifolium* : **153/43**
— *persicum* ex Rhodes : **143/84C**
Cymopterus terebinthinus var. *californica* :
 170/22
Cypripedium, germination : **156/54**
— *flavum* : **133/33C; 135/42**
— *guttatum* : **135/42**
— *plectrochilon* : **135/42**
— *tibeticum* : **135/42C, /49**
— *yunnanense* : **135/42**
Cyrtanthus elatus : **137/48C**
Cystopteris fragilis (Brittle Bladder-fern) :
 170/41C
[Czech International Rock Garden conferences](#)
 : **138/3; 151/2, /35**
Czechia/Czech Republic : **138/2**
— Průhonice : **151/35**
— Radotín : **156/44**
Dactylorhiza, 'black death' : **156/58**
— germination : **156/54**
— protocorm : **156/53C**
— self-seeding : **156/48**
— *incarnata* : **156/59C**
— *majalis* subsp. *calcifugiens* : **156/54**
— *purpurella* : **156/54, /55**
— *romana* : **156/54**
— *sambucina* : **156/54**
Dalhousie University, Halifax, NS, Canada :
 139/2
[Daffnet](#) : **143/72**
daffodil (**Narcissus**) hybrids : **165/5C**
— soil pH : **165/8, /9, /10**
Danthonia californica (California Oatgrass) :
 170/17C
Daphne arbuscula (Utrecht BG) : **152/33**
— 'Colinton Crown' : **156/2, /37-39, /37C, /38C, /39C**
— — propagation : **156/38**
— *blagayana* : **156/37**
— *cneorum* : **156/37**
— × *eschmannii* 'Jacob Eschmann' : **156/37**
— *longilobata* : **156/38**

- Daphne mezereum** : 156/38
 — morrisonensis : 145/55
 — petraea : 167/12
 — — 'Cima Tombea' : 156/37
 — tangutica : 156/38
- Darlingtonia californica** : 142/88, /96C
 deer, grazing : 170/34
- Delphinium andersonii** : 167/20
 — confusum : 135/39
 — flexuosum : 141/51
- Dendrocopos leucopterus** (White-winged woodpecker) : 169/16
- Deschampsia antarctica** : 152/37
- Desideria baiogoinensis** : 135/51C
- Dianthus 'Inshriach Dazzler'** : 133/31C
 — myrtinervius : 167/18
 — uzbekistanicus : 135/35
- Diapensia purpurea** : 135/44
- Dichelostemma capitatum** : 143/84C
 — ida-maia : 142/88C
- Dictamnus angustifolius** : 169/8, /9C
 — — habitat : 169/9C
- Dierema pulcherrima** : 137/47C
- Diets grandiflora** : 137/5, /7C, /48C
- Dionysia aretioides** (Utrecht BG) : 152/34; 153/44
 — bryoides : 149/3, /26C, /27C, /28C, /29C, /30C, /31C, /32C, /33C, /34C
 — caespitosa subsp. bolivarii : 149/51C, /53C, /54C
 — — — flower detail : 149/52C
 — diapensiifolia : 149/35C, /36C
 — esfandiarrii : 149/46C, /47C, /48C, /49C, /50C
 — iranshahrii : 149/69C
 — jamzadiae : 149/60C, /61C, /62C
 — — flower & rosette detail : 149/59C
 — janthina : 149/42C, /44C, /45C
 — — detail : 149/43C
 — michauxii : 149/7C, /8C, /9C, /10C, /12C, /14C, /15C, /16C, /67
 — — flower detail : 149/13C
 — — rosette detail : 149/11C, /12C
 — mozaffarania : 149/68C
 — revoluta : 149/55C, /56C, /58C
 — — flower detail : 149/57C
 — — subsp. peduncularis : 149/67C
 — sarvestanica subsp. spathulata : 149/17C, /18C, /19C, /20C, /21C, /22C, /23C, /24C, /25C
 — [splendens](#) : 149/3-69, /3C, /4C, /5C, /38, /67, /69C
 — — corolla, brevistylous/longistylous forms : 149/5C
 — — flowers, inflorescence, leaves : 149/5C
 — — separation from *D. viva* : 149/38
 — spp. in habitat : 149/2
 — tapetodes (Utrecht BG) : 152/34
 — viva : 149/37C, /39C, /40C, /41C
 — — inflorescence detail : 149/38C
 — — separation from *D. splendens* : 149/38
 — zagrica : 149/68C
 — zetterlundii : 149/63C, /65C, /66C
 — — in habitat : 149/1C
 — — rosette detail : 149/64C
- Diphasiastrum alpinum** (Alpine Clubmoss) : 170/38C
- Diplacus pictus** : 162/63C
 — — seedlings : 162/62C
 — torreyi : 170/11C, /19
- Diplodium** : 143/25
 — sp. 'Adelaide Hills' : 143/29C, /30C
 — dolichochilum (Mallee Orchid) : 143/28C
 — roseum : 143/6C
- Disporopsis** (Asparagaceae) : 161/54
 — germination : 161/54
- Disanthus cercidifolius** : 133/45C
- Disporum nantouense** : 145/55
- Diuca diuca** (Diuca Finch) : 137/27C
- Diuris behrii** (syn. *Arachnorchis behrii*) : 143/36C, /37C
 — brevifolia : 143/39C
 — chryseopsis : 143/88C
 — orientis : 143/34C, /37C
 — — × behrii natural hybrid : 143/38C
 — — × pardina natural hybrid : 143/35C
 — pardina : 143/34C
- Doellingeria breweri** : 170/27, /28C
 dolerite : 142/3, /12C, /65, /66
 dolomite chalk : 165/9
- Donatia novae-zelandiae** : 142/24C
 — — flowers : 142/24C, /29
- Draba cretica** : 142/2
- Dracocephalum** sp. : 166/23C
- Dracophyllum** subgenus *Cystanthe* : 142/25
 — subgenus *Richea* : 142/25
 — alpinum (syn. *Richea alpina*) : 142/25C, /26C
 — continentis : 142/25
 — desgrazii : 142/25
 — gunnii : 142/25
 — laciniatum : 142/25

- Dracophyllum** minimum (Heath cushion plant) : **142/27C, /28C, /29**
 — — flowers, foliage : **142/27C, /28C**
 — — pandanifolium (Pandani) : **142/25, /30, /31C, /32C, /70C**
 — — subsp. ramulosum : **142/30**
 — — spent inflorescences : **142/31C**
 — — trunk : **142/33**
 — — persistentifolium (syn. **Richea scoparia**, Scoparia) : **142/1C, /8C, /11C, /25, /33C, /34C, /35C, /36C, /70C**
 — — calyptra (operculum; fused petals) : **142/34**
 — — exposed flowers : **142/34C**
 — — pollination : **142/34**
 — — procerum : **142/25**
 — — sprengelioides : **142/25**
 — — tasmanicum : **142/25**
 — — victorianum : **142/25**
Drimia aphylla : **135/26**
Drosera arcturi (Alpine Sundew) : **142/8C, /36C, /61C, /62C**
Dryopteris formosana : **145/55**
 Dutchman's pipe (**Aristolochia**) : **151/2, /24**
Echinops emiliae : **135/22, /23C**
Echinopsis chiloensis : **132/13, /25; 137/1C, /19, /20C, /21C; 138/24**
 Ecuador, Cayambe-Coca : **154/25**
 — Volcán Guagua-Pichincha : **154/24, /25**
 El Niño Southern Oscillation : **138/20**
Empetrum rubrum : **144/22**
Empodisma minus : **142/5**
 ENSO (El Niño Southern Oscillation) : **138/20**
Epacris serpyllifolia (Alpine heath) : **142/38C**
Ephedra chilensis : **145/26, /27C**
Epilobium foliosum (California Willowherb) : **170/11**
 — nankotaizanense : **145/56**
Epipactis, germination : **156/54**
Epipogium aphyllum : **141/51, /52C**
Equisetum arvense (Common Horsetail) : **170/22, /34**
Eranthis seedlings : **151/3C**
 — separation from Shibanteranthis : **151/3-4**
 — cilicica : **133/48C; 151/6C, /7, /8, /13**
 — — distribution : **151/7, /9C**
 — — R2CV-039 : **151/6**
 — — — tubers : **151/10C, /12C**
 — — separation from E.hyemalis : **151/7**
 — — hyemalis (syn. E. bulgarica, E. hyemalis var. bulgarica) : **135/22; 151/4C, /5C, /7**
 — — CP 131 : **164/36C**
 — — distribution : **151/4**
 — — tubers : **151/9C**
 — — iranica : **151/4, /7, /13**
 — — locality map : **151/9C**
 — — tubers (WHIR-038) : **151/11C**
 — — kurdica : **151/1C, /3-18, /12*, /18C ; 160/20**
 — — 17IRS-063 : **151/17C**
 — — 17IRS-049 : **151/13C**
 — — 17IRS-059 : **151/14C, /15C**
 — — 17IRS-060 : **151/17C**
 — — 22IRS-089 : **151/12, /16C**
 — — cultivation : **151/13**
 — — habitat & distribution : **151/12**
 — — herbarium sheet : **151/15C**
 — — holotype : **151/3, /16C**
 — — leaves (17IRS-063) : **151/14C**
 — — localities map : **151/8C, /9C**
 — — separation from E. cilicica : **151/7, /13**
 — — tubers : **151/11C**
 — — — (17IRS-049) : **151/12C**
 — — longistipitata : **151/4, /6C, /7**
 — — tubers : **151/10C**
 — — pinnatifida : **151/13**
 — — sibirica : **148/8**
 — — stellata : **148/8; 151/13**
 'eranthophilia' : **151/4**
Eremophila debilis : **143/88C**
 — glabra : **143/87C**
 — — 'Kalbarri Gold' : **143/87C**
Eremorchis : **143/25**
Eremurus fuscus : **135/39**
 — olgae : **135/32C, /35C**
 — spp. (Kyrgyzstan) : **169/15**
 — tianschanicus : **140/12, /23**
Erica cinerea : **170/44C**
Erigeron sp. : **148/57**
Eriochilus collinus : **143/22C**
Eriogonum, mounded cuttings : **146/70**
 — incanum (Frosted Buckwheat) : **170/21**
 — latifolium : **142/87C**
 — lobbii : **170/30C**
 — nudum : **142/93**
 — — var. deductum (Naked Buckwheat) : **170/22**
 — — rixfordii : **152/42**
 — — umbellatum : **152/42C**
 — — ursinum var. ursinum (Bear Buckwheat) : **170/10**
 — — wrightii subsp. subscaposum : **170/13**
Eriophyton wallichii : **148/57**

- Eriosyce** curvispina : **137/27C**
- Erodium** cicutarium : **138/25**
 — moschatum : **138/24**
- Erysimum** capitatum var. capitatum : **170/14**
- Erythranthe** bicolor : **162/61C**
 — lutea var. variegata : **156/9**
 — moschata (Musk Monkeyflower) : **170/22C**
 — naiandina (syn. **Mimulus** naiandinus) :
145/26, /31C
 — — F&W11087 : **156/8C**
 — — F&W12614 : **156/12C**
 — — habitat : **156/11C**
 — primuloides : **170/16**
- Erythronium** (Iran, Golestan) : **160/31**
 — 'Rosalind' : **133/30C**
 — caucasicum : **160/29, /32**
- Escallonia** rubra : **144/22**
- Eschscholzia** californica : **137/39C**
- Eucalyptus** coccifera (Snow Peppermint/Snow Gum) : **142/39C, /50C, /70C**
 — fasciculosa : **143/4, /5C**
 — incrassata : **143/5**
 — leucoxydon : **143/4, /5C**
 — microcarpa : **143/4**
 — obliqua : **143/3C, /4C, /6C**
 — pauciflora (Snow Gum) : **143/64C, /66C**
 — — subsp. niphophila : **143/52**
 — regnans : (Swamp Gum/Mountain Ash) :
142/40
 — socialis : **143/5**
 — vernicosa (Varnished Gum) : **142/40**
 — — flowers, leaves : **142/40C**
- Euphorbia** 'Blue Haze' (E. seguieriana subsp. niciciana hybrid) : **167/4**
 — chacarias : **134/25C**
 — collina : **144/22, /35C**
 — ferganensis : **140/23**
 — marginata : **137/47C**
 — nicaeensis : **167/4, /5C**
 — pekinensis : **135/49**
 — rapulum : **140/23; 166/16**
- Euphrasia** (Orobanchaceae) : **144/15**
 — Chilean endemics : **144/16**
 — distribution : **144/16, /50**
 — hemiparasitism : **144/46**
 — hybrid swarm : **144/16, /25, /26, /42C, /43C, /44C, /47**
 — — habitat : **144/42C**
 — hybridization : **144/15, /16**
 — nothospecies : **144/16**
 — polyphyletic : **144/14**
 — taxonomy : **144/15-16**
 — sect. Trifidae : **144/15, /17, /46**
 — achibuenonensis : **144/1C, /13-53, /17C, /17*, /18C**
 — — associated species & natural hybrids :
144/25, /27
 — — conservation status : **144/24-25**
 — — description : **144/18-19**
 — — distribution : **144/19**
 — — ecology : **144/45**
 — — etymology : **144/24**
 — — exerted style & stigma : **144/22C**
 — — habitat : **144/21, /40C, /42C**
 — — hybrid swarm parent : **144/47**
 — — inflorescence : **144/21C**
 — — key : **144/29**
 — — location : **144/29C, /30C, /41C**
 — — nothospecies : **144/27**
 — — orange form : **144/20C**
 — — phenology : **144/19**
 — — pollination : **144/46, /47**
 — — population : **144/24**
 — — type specimen : **144/23C**
 — adenota : **144/16**
 — andicola : **144/17, /22, /25C, /26C, /27, /29, /45**
 — cockayniana : **144/16**
 — flavicans : **144/18, /22, /26, /27C, /28C**
 — gibbsiae subsp. comberi : **142/42C**
 — — subsp. discolor : **142/42C**
 — subexserta : **144/17, /26, /27, /28C, /29**
 — — habitat : **144/28C**
 — — possible hybrid : **144/45P**
- Eurybia** integrifolia (Ragged Daisy) : **170/27**
- Ewartia** meredithae (Rusty Cushion Herb) :
142/43C
 — nubigena (Silver Ewartia) : **143/55C**
 expanded clay aggregate (Leca) : **166/29**
- Fascicularia** bicolor subsp. canaliculata :
144/22
- Fatsia** polycarpa : **145/55**
 fertiliser, organic pelleted (Chrysan) : **166/26C**
- Ferula** kuhistanica : **135/35**
 — prangifolia : **169/15, /19C**
- Fessia** : **160/2, /3, /11, /29, /31**
 — distribution : **160/11**
 — key : **160/38-9**
 — separation from Scilla : **160/10**
 — taxonomy : **160/11**
 — assadii : **160/10, /39**
 — bisotunensis : **160/10, /39**

- Fessia furseorum** : 160/10, /38
- gilanica : 160/11, /12, /31-2*, /33C, /38
 - — bracts : 160/34C
 - — conservation status : 160/33
 - — distribution : 160/32, /33C
 - — etymology : 160/33
 - — flower details : 160/35C, /36C
 - — habitat : 160/29C, /32
 - — holotype (RIG!) : 160/31
 - — leaf : 160/37C
 - — phenology : 160/33
 - — raceme : 160/35C
 - — seeds, capsules : 160/37C
 - — separation from other *Fessia* : 160/31C, /32
 - gorganica : 160/10, /30C, /31, /32, /38
 - — 16IRS-093 : 160/30C
 - — distribution : 160/33C
 - greilhuberi : 160/10, /31, /38
 - hohenackeri : 160/10, /39
 - khorassanica : 160/10, /38
 - olangensis : 113/51-70; 160/10, /29, /31, /39
 - — 16IRS-052 : 160/30C
 - — WHIR-093 : 160/30C
 - — distribution : 160/33C
 - parwanica : 160/10, /38
 - purpurea : 160/10, /38
 - puschkinioides : 160/3, /10, /38
 - raewskiana : 160/11, /38
 - vvedenskyi : 160/11, /38
- Festuca** spp., Fergana valley : 140/23
- Ficaria** sp. (Iran, Kurdistan) : 151/12
- fire, biodiversity and vegetation effects : 143/48
- 'fuel reduction' : 143/49
- flea beetle (on *Iris*) : 165/15
- Forsythia intermedia** : 134/25C
- Flora of Israel* ([website](#)) : 151/32
- flow cytometry, genome size : 145/10; 149/100
- propidium iodide : 145/6; 149/96
 - standard (*Agave americana* 'Aureomarginata') : 145/6; 149/96
- Fritillaria**
- taxonomy, phylogeny : 160/22
 - subgenera : 140/5
 - subgen. *Fritillaria* : 141/3
 - — *Korolkowia* : 141/3
 - — *Liliorhiza* : 141/3
 - — *Rhinopetalum* : 140/2, /3, /5, /15; 141/3
 - — — bulbs : 140/14C
 - — — distribution : 140/9C
 - — — flowers : 140/13C
 - — — key : 140/24
 - — — seeds : 140/14C
 - acmopetala : 135/22
 - alburyana : 135/27C, /28
 - ariana : 140/9, /20C, /21C, /25
 - — (Turkmenistan) : 140/25C
 - — — bulb : 140/14C
 - — — seeds : 140/14C
 - aurea : 135/22
 - avromanica : 150/14
 - baisunensis : 140/9, /24; 141/3
 - — (Uzbekistan, Baisun) : 140/18C
 - — (Uzbekistan, Pulkhakim) : 141/4C
 - — (Uzbekistan, Shurab) : 141/5C
 - — — bulb : 140/14C
 - bucharica : 135/34C, /35; 140/9, /24; 141/3
 - — (Tajikistan, Darwaz) bulb : 140/14C
 - — — flower : 140/13C
 - — — seeds : 140/14C
 - — (Tajikistan, Darwaz & Norak forms) : 140/19C
 - burnatii : 167/14
 - carica : 135/22, /23C; 144/65
 - caucasica : 141/3
 - — subsp. *syriaca* nom. spirit. : 160/6
 - crassifolia : 135/22
 - cf. *crassifolia* : 160/7
 - dagana : 141/3
 - eduardii : 140/5
 - ferganensis : 140/5; 141/3, /23, /39, /43
 - — (Kyrgyzstan) : 141/39C, /40C
 - — distribution : 141/43D
 - — seedpods : 141/22C, /23C
 - — separation from *F. walujewii* : 141/43
 - — separation from *F. ruthenica* : 141/43
 - gibbosa : 140/3, /9, /11, /20C, /21C, /25; 145/6; 149/96
 - — (Armenia, Ararat) seeds : 140/14C
 - — (Iran, Bojnurd) : 140/25C
 - — — bulb : 140/14C
 - — — flower : 140/13C
 - hajastanica : 141/3
 - imperialis : 148/34, /35C; 150/14
 - — cultivars : 165/18
 - karelinii : 140/3, /5, /9, /11, /15, /20C, /21C, /24
 - — (Kazakhstan, Mangystau) : 140/23C
 - — — bulb : 140/14C

- — — flower : **140/13C**
- — — seeds : **140/14C**
- — (Kyrgyzstan, Batken region) : **140/19C, /20C**
- Fritillaria kolbintsevii** : **141/2, /3-45, /12C, /13C, /14C, /16-17***
- — 12KZ-075 : **141/20C, /21C, /25C, /26C**
- — as cf. *F. walujewii* : **141/25, /39**
- — as *F. ruthenica* : **141/25**
- kolbintsevii, distribution : **141/24**
- — etymology : **141/24**
- — filaments & anthers : **141/19C**
- — flower details : **141/17C, /33C**
- — habitat : **141/24**
- — Holotype (12KZ-075) : **141/15C**
- — locality map : **141/23C**
- — perianth segments : **141/18C**
- — phenology : **141/24**
- — seedpods : **141/1C, /34C, /35C**
- — separation from *F. ruthenica* : **141/20, /31, /35**
- — separation from *F. meleagroides* : **141/22, /34**
- — separation from *F. ferganensis* : **141/22**
- — separation from *F. walujewii* : **141/23**
- — separation from *F. ussuriensis* : **141/32**
- — separation from *F. tortifolia* : **141/36**
- — separation from *F. yuminensis* : **141/36**
- — tendrils : **141/31C**
- kotschyana subsp. *kotschyana* : **147/32**
- macedonica (N Macedonia, Jablanica) : **152/22C**
- maximowiczii : **141/3**
- meleagroides : **141/3, /25, /29**
- — (Kazakhstan, Altai) : **141/30C**
- — (Kazakhstan, Tarbagatai Mountains) : **141/30C**
- — (Ukraine, Donetsk Region) : **141/29C**
- — (Ukraine, Poltava Region) : **141/29C**
- — — yellow form : **141/30C**
- — seedpods : **141/22C, 34C**
- michailovskii : **135/27C, /28**
- pallidiflora : **141/25; 165/18**
- — 12KZ-076 (Kazakhstan, Dzungarian Gate) : **141/10C, /11C**
- pelinaea : **144/65C**
- poluninii : **150/14**
- roylei : **135/52**
- rugillosa : **140/2, /3-27, /10-11*, /20C, /21C; 141/3**
- — conservation status : **140/24**
- — distribution : **140/11, /12C**
- — etymology : **140/12**
- — habitat : **140/12**
- — holotype sheet OL 38056 : **140/12, /26C**
- — phenology : **140/12**
- — type locality : **140/4C, /5C, /6C, /7C, /8C**
- — (Kyrgyzstan, Jalal-Abad) flower : **140/13C**
- — (Kyrgyzstan, Osh) : **140/22C**
- — — bulb : **140/14C**
- — — seed capsule : **140/15C**
- — — seeds : **140/14C**
- ruthenica : **141/3, /25, /27, /31, /32, /43—**
- (Russia, Penza Region) : **141/28C**
- — (Ukraine, Donetsk Region) : **141/27C, /29, /31, /35**
- — (Ukraine, Poltava Region) : **141/29C, /35**
- — bulbils : **141/31**
- ruthenica, locality map : **141/23C**
- — papillose style lobes : **141/32**
- — seedpods : **141/21C, /34C, /35**
- sewerzowii : **135/36, /37C; 140/5, /18**
- sonnikovae : **141/3**
- stenantha : **140/3, /9, /11, /15, /16, /20, /24**
- — (as *Rhinopetalum stenanthum*) : **140/18**
- — (Kazakhstan) : **140/17C**
- — (Kazakhstan, Turkistan) bulb : **140/14C**
- — — flower : **140/13C**
- — — seeds : **140/14C**
- — (Kyrgyzstan, Talas valley) : **140/16C**
- — (Uzbekistan, Ikhnachsay) : **140/17C**
- straussii : **150/14**
- tortifolia : **141/36C, /37C**
- tunievii : **141/3**
- ussuriensis : **141/32**
- — (Russian Far East) : **141/32C**
- verticillata : **141/4, /25**
- — (Kazakhstan, Kara-Sumbe) : **141/7C**
- — (Kazakhstan, Marble Pass) : **141/9C**
- — (Kazakhstan, Urdzhar) : **141/6C**
- — 12KZ-087 (Kazakhstan, Tarbagatai Mountains) : **141/8C**
- walujewii : **140/5; 141/3, /10, /39, /41**
- — (Kyrgyzstan) : **141/41C, /42C; 169/24C**
- — distribution : **141/43D**
- whittallii : **135/22, /23C**
- yuminensis : **141/36, /38C**
- zagrica : **150/65**
- Fuchsia magellanica** cvs. (Utrecht BG) : **152/36**
- New Zealand spp. : **152/37**

fungal diseases of bulbs : **165/11-13, /17**
Fusarium nivale (now **Microdium nivale**) :
165/11

Gagea sp. : **135/34C**

- sp., NW Iran : **150/14**
- spp. (Fergana valley) : **140/3, /12, /23**
- spp. (Kyrgyzstan) : **169/27**

Galanthus

- cultivars : **163/29-48**
- — 'Dryad Green Group' : **163/43-48**
- — — 'Dryad Concerto' : **163/43, /44C, /45-46*, /46C, /47**
- — — — floral parts : **163/45C**
- — — — parentage : **163/45**
- — — 'Dryad Sonata' : **163/43, /46, /47C, /48*, /48C**
- — — — floral parts : **163/47C**
- — — — parentage : **163/48**
- — 'Dryad Myths and Legends' Series :
163/2C, /29
- — — 'Dryad Argus' : **163/41C, /42*, /43C**
- — — — etymology : **163/41**
- — — — floral parts : **163/42C**
- — — — parentage : **163/42**
- — — 'Dryad Bellerophon' : **163/35, /38C, /39-40*, /40C**
- — — — etymology : **163/38**
- — — — floral parts : **163/39C**
- — — — parentage : **163/39**
- — — 'Dryad Hera' : **163/32C, /33-34*, /34C**
- — — — etymology : **163/32**
- — — — floral parts : **163/33C**
- — — — parentage : **163/33**
- — — 'Dryad Leto' : **163/29C, /30-31*, /31C**
- — — — etymology : **163/29**
- — — — floral parts : **163/30C**
- — — — parentage : **163/30**
- — — 'Dryad Pegasus' : **163/35C, /36-37*, /37C**
- — — — etymology : **163/35**
- — — — floral parts : **163/36C**
- — — — parentage : **163/36**
- — 'Alison Hilary' : **133/19C**
- — 'Chris Sanders' : **164/35C**
- — 'Little Ben' : **164/35**
- — 'Sickle' : **133/19C**
- — 'South Hayes' : **163/33**
- — 'Spindlestone Surprise' : **163/39**
- — 'Straffan' : **164/33C**
- — 'Trumps' : **164/35C**
- — 'Trym' : **163/30**

- eliasomes : **136/5**
- hybridisation : **155/2**
- in Caucasus : **123/3-42**
- bursanus : **136/2**
- elwesii : **133/48C, 135/22; 152/49**
- — cf. 'Marjorie Brown' : **164/28C**
- — cv 'Eilys Elisabeth Hartley' : **163/43, /44, /45, /48**
- — — 'Rosemary Burnham' : **163/43, /45, /46, /48**
- — — 'The Bride' : **164/35C**
- — — 'X-ray' (ex Ray Cobb) : **164/35**
- fosteri : **163/41, /42**
- gracilis : **158/10**
- — 'Sunnylad' : **158/5C, /6C**
- graecus : **158/10**
- — 'Greenzzly' : **158/10C, /11C**
- — 'Strawpotter' : **158/7C, /8C, /9C**
- nivalis : **152/49, /58**
- — 'Lonely Island' : **158/3C, /4C**
- — — floral parts : **158/4C**
- — Sandersii Group 'Ray Cobb' : **164/35**
- panjutinii : **136/2**
- peshmenii : **135/22C; 155/3**
- — x reginae-olgae : **155/12**
- plicatus : **152/49**
- — cv 'Trimmer' : **163/33**
- — — 'Richard Nutt' : **164/34**
- — — 'Ron Ginn's byzantinus' : **164/35**
- — — 'Wendy's Gold' : **163/30; 164/32**
- reginae-olgae : **155/3**
- — subsp. vernalis : **164/24, /25C**
- — 12613 : **155/13, /18**
- — cv 'Blanc de Chine' : **155/16**
- — — 'Cambridge' : **155/3, /16**
- — — 'Elizabeth Lawrence' : **155/13-20, /13C, /14C, /15C, /16C, /19-20***
- — — — anthers, pedicel, perianth segments, receptacle : **155/20C**
- — — — bulbs : **155/17C**
- — — 'Tilebarn Jamie' : **155/16**
- — x peshmenii : **155/3, /12C**
- — — 'Dryad Aristocrats' Group : **155/3-12**
- — — — 'Dryad Countess' : **155/3C, /4, /6C, /7C, /8**
- — — — 'Dryad Duchess' : **155/3C, /4, /8C, /9C**
- — — — 'Dryad Empress' : **155/4, /10C, /11C**
- — — — 'Dryad Princess' : **155/1C, /2, /3C, /4C, /5C**

— — — — scent : **155/3, /4, /6, /10, /12**

Galanthus transcaucasicus : **147/32**

— trojanus : **164/35**

— x valentinei 'South Hayes' : **163/33, /39**

— woronowii cv 'Cider with Rosie' : **163/41, /42**

Fulica atra (Eurasian coot) : **166/6**

Gagea bulbifera : **166/6C**

— spp. (Kazakhstan, Ili valley) : **168/15**

— tenera : **166/6**

Galium sp. (Iran, Kurdistan) : **160/20**

GARDENS

[Abkhazi Garden](#), Victoria, BC, Canada : **139/19, /27**

[Arduaine](#), Argyll, Scotland : **170/2**

[Arnold Arboretum](#), Harvard University : **139/21**

Bishkek BG, Kyrgyzstan : **169/47**

[Branklyn](#) : **133/19-46, /21C, /22C, /23C, /24C, /25C, /26C, /27C, /28C, /29C, /46C**

[Brejník Garden](#), Černošice, Czechia : **138/3-14, /4-14C**

[Chotobuz BG](#), Průhonice, Czechia : **139/2, /3, /18**

[Colesbourne Park](#) : **164/18**

[Denver BG](#) : **132/2; 144/93**

[Gatineau BG](#), Ottawa, Canada : **155/22**

[Gothenburg BG](#) : **136/3; 144/64, /66, /91; 147/3, /6, /16, /17, /37; 149/2; 150/4; 152/29, /34; 160/7; 162/32, /40, /46; 164/25**

[Heronswood BG](#), Kingston, WA, USA : **161/9**

Hillier Arboretum : **134/41**

Hradec Králové, Czechia : **139/18**

Jardin Alpin du Lauteret ([guidebook](#)) : **144/25**

Jerusalem BG : **151/32**

Latvian National BG : **147/16, /39 ; 150/26; 160/22**

Leningrad (Petrograd) BG : **148/3**

[Myddleton House](#) : **164/14**

[Missouri BG](#) : **161/2**

Nikita BG, Crimea, Ukraine : **147/18**

[Pardubice Garden](#), Czechia : **162/35**

[Prague BG](#) : **139/18**

[RBG Edinburgh](#) : **139/30; 152/47**

[RBG Kew](#) : **135/3; 136/2; 148/4**

[RHS Chelsea Physic Garden](#) : **137/25; 164/34**

Shanghai Chenshan BG : **168/19, /24**

Sweden, Eskilby Trädgård : **166/2**

— [Klinta Trädgård](#) : **166/2, /29**

[The Yorkshire Arboretum](#) : **164/18**

[Tromsø BG](#) : **139/18; 148/2, /57, /64; 152/37**

[Tübingen BG](#) : **149/2; 152/34, /54**

[University of Bologna BG](#) : **167/15**

[University of Latvia BG](#) : **165/4, /7**

[Utrecht University BG](#) : **146/2, /67-73; 152/2C, /31-58**

— Alpine House renovation : **152/50-54, /54C**

— [Autumn Plant Market](#) : **152/2**

— climate : **152/32**

— nursery : **152/55-58**

— — polytunnel : **152/56C**

— — shade tunnel : **152/57C, /58**

— peat beds : **152/46-48, /46C**

— rock garden, construction : **152/31C, /32C**

— — 'urbanite' : **152/33**

— — — [spheres](#) : **152/33, /34C, /35C**

— — Asian area : **152/43, /44C**

— — Europe & Balkans area : **152/45C**

— — North American area : **152/41-42**

— — Southern Hemisphere area : **152/36-37, /43C**

— — — reorganisation : **152/37C, /38C, /39C, /40C, /41C**

[Waterperry Gardens](#) (Oxfordshire, UK) : **168/2**

[Wing Haven Gardens & Bird Sanctuary](#) Charlotte, NC, USA : **155/18**

Gaultheria hispida (Copperleaf Snowberry) : **142/44C**

Gavilea glandulifera : **145/13, /15C**

— odoratissima : **145/13, /15C**

genome size : **168/2**

— DNA 2C : **168/3, /5, /6, /8, /12, /15**

— flow cytometry : **168/3, /5**

— — internal standard (**Clivia miniata**) : **168/5**

— — propidium iodide : **168/5**

[Gentian blue](#) : **141/46-52**

Gentiana 'Krumrey' : **133/30C**

— 'Strathmore' : **133/41C**

— 'The Caley' : **133/41C**

— NE Turkey (Black Sea/Karadeniz region) : **141/47**

— acaulis (syn. *G. kochiana*) : **137/53; 141/47, /48C**

— angustifolia : **137/53**

- Gentiana aquatica** : 141/47
 — arethusae : 135/44, /45C
 — asclepiadea : 141/51, /52C
 — caucasica : 141/49C
 — clusii : 137/53C, /54C; 167/7C
 — — & colour forms : 137/53-57
 — — 'Alba' : 137/54, /56
 — — colour forms : 137/53C, /55C, /56C, /57P
 — — 'Rosea' : 137/54
 — — 'Tamino' : 137/54P
 — — 'Violacea' : 137/54, /55C
 — cruciata : 141/49C
 — gelida : 141/48, /49C
 — hirculus : 154/7
 — lawrencei var. farreri : 148/55, /56C
 — nivalis : 141/47
 — olivieri : 135/35
 — pyrenaica : 141/47, /48C
 — septemfida : 141/46C, /48
 — sino-ornata : 135/44
 — szechenyii : 148/55
 — veitchiorum : 148/55, /56C, /58C, /59C
 — verna : 135/28C; 167/18
 — — subsp. pontica : 141/47C
Gentianella brunneotincta : 154/6, /7C
 — — habitat : 154/6C
 — caucasica : 141/48
 — diemensis subsp. diemensis (Tasmanian Snow Gentian) : 142/44C, /45C
 — ernestii : 154/10C
 — luteomarginata : 154/9C
 — muelleriana subsp. muelleriana : 143/68C
 — ruizii : 154/8C, /9C
 — scarlatina : 154/1C, /7C
 — weberbaueri : 154/10C, /11C
 geophytes : 135/21; 136/2, /3
 Georgia : 151/25
 Abkhazia : 147/19, /38
 — Avadhara valley : 147/35
 — Berchil Ridge : 147/35
 — Mt. Mamdzyskhka : 147/35
 Devdaraki valley : 150/9
 Kolkhida (Κολχίς) : 136/3
 Racha-Lechkhumi & Kvemo Svaneti region : 147/25
 Georgian mining expedition (1800-1803) : 150/3
Geranium phaeum : 167/4, /5C
 — sp. (Iran, Kurdistan) : 160/20
 — subcaulescens : 135/22; 167/18
 germination : 162/2
 — fire effect : 149/2
Geum reptans : 133/31C
 — talbotianum (Tasmanian Snow Rose) : 142/45C, /46C
Gladiolus, thrips : 165/14
 — imbricatus : 165/4C
 — meliusculus : 143/79C
 — spp. (South Africa) : 149/2
 — virens : 143/85C
Gleichenia alpina (Alpine Coral Fern) : 142/5, /23C, /46C
 — — foliage : 142/47C, /50C
 global warming : 152/35
Glossodia major (syn. **Caladenia major**) : 143/18C, /19C, /88C
 — minor : 143/19
 glyphosate (Roundup) : 165/21
 Gondwanaland : 152/36
[Google Earth Pro](#) : 160/12
 granite : 145/4; 149/94; 170/9, /11, /13, /20, /21
 — grus : 170/20, /22
 granodiorite : 170/7, /9
 granular fertilizer : 165/9, /23
 Greece
 Andros : 162/6
 Athos peninsula : 162/6, /8
 Attica peninsula : 162/6
 Central : 163/2
 Cephalonia : 162/6
 Chios : 144/2, /64, /66, /67C, /68, /72; 163/3
 — Mt. Pelineo : 144/65, /66
 — Mt. Skoní : 144/65
 Crete : 163/2
 — endemic : 162/6
 Dodecanese Islands : 163/3, /11
 Efpalio, Varnakovo : 165/33
 Elatia Forest : 152/7, /10/ 28
 Euboea : 162/6
 Kos : 144/2, /80, /81C, /91; 163/3
 — Mt. Dikeios : 144/80, /81
 — Mt. Sympetron : 144/80, /81, /82
 Lefkas (Lefkada) : 165/30
 Lesbos : 163/3
 Mount Helmos : 152/7
 Mt. Kajmakčalan (Voras) : 152/7, /28; 167/15, /18
 Mt. Olympus : 139/36, /37, /47, /48
 Mt. Ossa : 152/7
 Mt. Parnassós : 152/3; 165/33; 167/18

- Mt. Parnon : **165/33**
 — Agios Fokas : **165/34**
 Mt. Voras (Kajmakčalan) : **167/18**
 North Aegean : **163/2**
 North Ionia : **165/32**
 Pindos Mountains : **152/3**
 — Mt. Galata : **152/7**
 — Mt. Tymfristos (formerly Velouchi) : **152/3**
 Peloponnese : **163/2 ; 165/30, /33**
 — Alepohori : **165/30, /35**
 — Langadia : **162/6, /7, /8**
 — Parnassos : **162/7**
 — Taygetos mountains : **155/13, 162/6**
 — Vlahokerasia : **165/35**
 phrygana : **163/20, /21, /22, /24**
 Rhodes : **163/3**
 Samos : **163/2, /3, /4, /7, /18, /21, /22; 165/30**
 — church : **163/3C, /22C**
 — Koumeika : **163/3**
 — landscape : **163/3C, /4C**
 — Mandelada village : **163/14C**
 — map : **163/4C**
 — Maratokambos-Kastania road : **163/17**
 — Mavratzei : **163/10**
 — Mt. Kerkis : **163/14C**
 — muscat wine : **163/3**
 — Nikoudes : **163/26**
 — orchids : **163/3-28**
 — Pagondas : **163/20**
 — Paleochori : **163/11**
 — Pappa's Beach : **163/24, /25**
 — Skoureika : **163/19**
 — Spatharei : **163/12**
 Serres region, Mt. Menikion : **152/7**
 South Aegean : **163/2**
 South Ionia : **165/32**
 Tilos : **163/7**
 Viotia : **162/3**
 — Arachova nr. Delphi : **162/7, /14**
 — Mount Parnassus : **162/7, /8, /9, /10, /11**
 wildfires : **163/2**
 Green-comb Spider Orchids (*Caladenia* spp.) : **143/7**
 green leaf volatiles, released in herbivory : **153/32**
 green-podding (sowing under-ripe seed) : **156/54**
 'green thumb' : **165/3**
- grex : **139/28**
 growth form differs in cultivation (Tulipa: Biflora & Turkestanica groups) : **168/3, /4, /7**
Gunnera cordifolia : **142/47C**
 — perpensa : **152/37**
Gymnoschoenus sphaerocephalus (Buttongrass) : **142/23C, /50C, /68C, /71C**
Gymnospermium : **142/2, 73-83**
 — disjunct distribution : **142/74**
 — flower, leaf, seeds, tuber : **142/74**
 — albertii : **142/73, /78C**
 — altaicum : **142/75C, /78, /83**
 — darwasicum : **142/79C, /80C, /81C**
 — kiangnanensis : **142/83**
 — maloi : **142/74, /77C**
 — microrrhynchum : **142/83**
 — odessanum (syn. *G. altaicum* subsp. *odessanum*) : **142/73C, /74C, /75**
 — peloponnesiacum (syn. *G. altaicum* subsp. *peloponnesiacum*) : **142/76C, /77**
 — scipetarum (syn. *G. shqipetarum*) : **142/74, /75, /76C, /83**
 — — subsp. *eddae* : **142/76, /77**
 — smirnovii : **142/74, /75, /77C, /83C**
 — sylvaticum : **142/74, /83**
 — vitellinum : **142/81, /82C**
Gypaetus barbatus (Bearded vulture) : **169/18**
Haberlea rhodopensis (Utrecht BG) : **152/33**
Haloxylon sp. (saxaul) : **148/16**
Haploppapus velutinus : **132/10C**
Haptanthus : **145/49**
 Hardy orchids, germination in vitro : **156/48**
 — — under-ripe seed ('green podding') : **156/54**
 — propagation from seed, cardboard method : **156/2, /47-59**
 — — erratic germination : **156/54**
 — — fungal growth : **156/51C**
 — — materials : **156/49C, /50**
 — protocorms : **156/48, /51, /52C, /54**
 — rhizoids : **156/48, /52C**
 — seed sources : **156/58**
Helenium aromaticum : **138/24**
 — bigelovii : **170/16, /22**
Helichrysum pumilum var. *spatulatum* (Western Everlasting) : **142/48C**
Heliconia butterfly, tolerance for *Passiflora* Toxins : **153/25, /30**
Heliconiinae, co-evolution with *Passiflora* & *Violaceae* : **153/25**

Heliopyrgus americanus (South American Skipper butterfly) : **137/32C**

Heliotropium geissei : **138/24**

Helleborus × **hybridus** : **164/35**

— **niger** × **vesicarius** : **139/28**

Hepatica 'Millstream Merlin' : **133/32C**

— **americana** : **161/47**

HERBARIA

Agricultural and Natural Resources
Research and Education Center, Sanandaj,
Kurdistan, Iran (HSK) : **160/12**

[Arnold Arboretum & Herbarium](#), Harvard
University : **139/20**

[Botanische Staatssammlung München \(M\)](#) :
148/10, /39

[Botanischer Garten und Botanisches
Museum Berlin \(B\)](#) : **148/10, /42**

[British Museum Natural History \(BM\)](#) :
148/10, /39

[Chinese Academy of Sciences, Institute of
Botany \(PE\)](#) : **161/23**

Czech Republic, Olomouc, Palack Univ.
Dept. Botany (OL) : **140/9, /26**

Iranian Biological Resource Center (IBRC) :
149/75, /78; 150/47, /51, /58, /80

[Joseph Rock Herbarium](#), University of
Hawaii : **139/20**

[Kew RBG \(K\)](#) : **147/20; 148/10; 150/12;**
160/12

[Komarov Botanical Institute \(LE\)](#) : **147/19,**
/20; 148/10; 150/3

Kyrgyzstan, Bishkek, National Acad.
Sciences (FRU) : **140/9, /18, /20**

Leiden (L) Naturalis Biodiversity Centre :
145/6; 149/96

[Missouri BG](#) : **161/36**

[RBG Edinburgh](#) : **161/36**

Taiwan Forestry Research Institute (TAI) :
145/50

[Universidad de Concepción, Chile \(CONC\)](#) :
144/17; 145/22

[University of Gothenburg \(GB\)](#) : **141/15;**
147/7, /20, /22, /27; 148/10; 150/12, /13,
/14; 160/12

University of Latvia (RIG) : **149/76; 150/12,**
/13, /14, /51, /58, /65, /73, /80; 151/12;
160/12, /15, /20; 162/10, /11, /22, /24,
/33, /35, /51, /52

herbivory : **138/25**

Herpolirion novae-zelandiae (Sky lily) :
142/48C, /49C

Hesperantha vaginata var. **stanfordiae** :
143/85C

Hesperochiron pumilus : **170/30**

Heteropolygonatum (Asparagaceae) : **161/54**

— germination : **161/54**

— **alte-lobatum** BSWJ1886 : **161/32C**

— — — perianth : **161/32C**

— **hainanense** : **161/54**

— aff. **marmoratum** : **161/26C, /28C**

— — rhizome : **161/27C**

— — stems : **161/27C**

Heuchera rubescens : **170/10C**

Hibbertia exutiacies ? : **143/89C**

— **procumbens** (Spreading Guinea
Flower) : **142/51C**

Hieraaetus pennatus (Booted eagle) : **169/16**

Hieracium albiflorum (White-flowering
Hawkweed) : **170/18, /23**

Highland cow : **170/46C**

Himantoglossum, germination : **156/54**

Hippophae tibetana : **148/55**

Holodiscus discolor var. **discolor** (Creambush)
: **170/10**

Homalocarpus dichotomus (Apiaceae) :
132/21C, /22, /26

Horkelia tridentata var. **tridentata** (Three-
toothed Horkelia) : **170/27**

Hosackia oblongifolia var. **oblongifolia**
(Narrow-leaved Lotus) : **170/17**

huaso (Chilean 'cowboy') : **132/7C**

Huperzia selago (Fir Clubmoss) : **170/39C**

Hyacinthoides non-scripta : **134/38C**

hybrid vigour (heterosis) : **139/28**

Hydnocarpus wightianus : **139/20**

Hylephila fasciolata (Southern Pale Skipper
butterfly) : **137/16C**

Hyles annei (hawkmoth) : **137/16C**

Hymenochilus : **143/25**

Hymenophyllum wilsonii (Wilson's Filmy Fern)
: **170/40C**

Hypericum anagalloides (Creeping St. John's
Wort) : **170/19C**

— reptans : **153/44**

— sp. : **143/86C**

Hypochaeris sp. : **138/19, /24**

Hystrix indica (Indian crested porcupine) :
169/16

Ibidorhyncha struthersii (Ibisbill) : **169/16**
igneous rock : **170/7**

Illyrian floral province : **152/3, /8**

Incarvillea mairei : **135/49**

Incarvillea zhongdianensis : **135/42**

[Index Herbariorum](#) : **160/22**

India

Arunachal Pradesh : **161/50**, /51, /52, /53

— Tsiang (Tsangpo) : **161/52**

Himachal Pradesh, Manali : **135/52**, /53

— Baralacha La : **135/54**

— Lahaul valley : **135/54**

— Rohtang La : **135/51**

Ladakh, Baralacha La : **135/54**, /55C

— Leh : **135/52**, /54

insecticide spray : **165/15**

— systemic : **165/15**

introduced weeds : **143/49**

Inula macrophylla : **169/9**, /10C

[IPNI \(International Plant Names Index\)](#) :

149/2; **153/37**; **160/11**

Ipomoea cairica : **137/13**, /14C

— purpurea : **137/46C**

Ipomopsis agg. : **142/97**, /98C

Iran

Alborz Mountains : **145/4**; **149/94**; **150/2**, /3, /4, /11, /30

— Kuhha-ye Talesh (Talysh mountains) : **150/8**

— — Nav to Khalkhal : **160/4**

Alborz Province : **150/12**, /26

Chaharmahal & Bakhtiari Province : **149/63**

East Azerbaijan Province : **150/50**, /58, /80

— Kuhha-ye Sabalan : **150/9**

— S Marand, Payami : **150/51**

— Tabriz : **148/20**, /29

Fars Province : **149/22**, /42, /55

— Arsanjan : **149/37**

— Bavanat : **149/46**, /59

— Dehbid : **148/20**, /28, /29

— Kaftar : **149/3**

— Meymand : **149/17**

— Shiraz : **149/7**, /12, /26, /35

Gilan Province : **160/11**, /31, /33

— Alborz mountains : **160/2**, /29

— — Karaj-Chalus road : **160/6**

— Asalem Pass : **147/32**

— Rostamabad : **160/29**, /31

Golestan Province : **146/20**; **148/46**, /48, /49, /50; **150/35**

— National Park : **145/4**; **149/94**

— Olang Pass : **160/29**

Hamedan : **150/35**

Isfahan, Naqsh-e-Jahan Square : **146/55C**

Isfahan Province, Semirum : **149/51**

Kermanshah Province : **150/15**

Kurdistan Province : **149/75**; **150/50**, /65; **151/7**, /12; **160/11**

— Avroman mountains : **150/12**, /13, /15, /20

— Ghorveh, Baor-o-Parishan mt. : **160/22**

— Qamchiyan : **151/2**, /18

— Sanandaj : **148/20**, /28

— Sanandaj to Kamiaran : **160/22**

— Zagros mountains : **160/2**, /8, /12, /13, /14, /15

— — Saqqez-Marivan road : **160/13**, /15, /20

Lorestan Province, Zagros Mountains :

148/2, /3, /10, /19, /20C

— — Gardaneh-ye Galeh Bādūsh Pass :

148/20C, /21, /22C, /23, /30, /33, /34, /35

Mashhad, Ferdowsi University : **149/2**

Māzandarān Province : **150/12**, /26

— Chalus-Karaj road : **160/24**

— Mount Damavand : **146/63**

— Siah Bisheh : **150/26**, /29

Māzandarān /Alborz border : **160/8**

North Khorasan, Bojnurd : **145/4**; **149/94**

— Kopet-Dag : **145/3**, /4; **149/94**; **151/4**, /17

— — Almeh : **149/72**

— Kuh-e-Aladag : **145/2**, /3, /4C, /11C;

148/4; **149/93**, /94C, /101C

— Salook National Park : **145/4**; **149/94**

— Sankhast : **145/4**, /6; **149/94**, /96

West Azerbaijan Province : **149/70**, /75;

150/12, /34, /50, /73

— Lake Urmia : **149/70**, /71, /76; **150/3**, /4; **160/6**, /10

— — basin : **150/11**, /12, /34, /35, /36, /43

— Mahabad : **150/34**

— Oshnavieh : **149/72**, /76; **150/37**

— Shahpur : **160/6**, /24

Zagros Mountains : **135/20**; **145/4**; **149/94**;

150/2, /3, /11, /43

— Avroman (Hawraman) region : **150/3**, /12, /15

Zanjan Province, Qidār : **150/49**

Irano-Turano floristic region : **135/26**

Iris subgenus **Iris**, Section **Oncocyclus** :

135/31; **146/2**, /3-73

— — — aril : **146/3**

— — — basic cultivation requirements : **146/5**

— — — distribution : **146/4C**

— — — hybrid : **143/77C**; **146/26C**, /49C, /65C

Iris subgenus **Iris**, Section **Oncocyclus**,
morphology : **146/4D**, /5

- — sp. 'Moleskin iris' (I. meda × I. polakii natural hybrid?) : **146/65C**
- — — taxonomy : 146/5
- — — Armenia : **146/12-17**, /55, /59, /60
- — — Azerbaijan : **146/12**, /14, /15, /18-27, /55, /58
- — — Egypt, Sinai : **146/50**
- — — Georgia : **146/12**, /18, /25
- — — Iran : **146/12**, /13, /14, /15, /27, /55-73
- — — Iraq : **146/7**
- — — Israel & Palestine : **146/3**, /32, /33, /44, /47-54
- — — Jordan : **146/32**, /36, /43-47, /48, /49, /53
- — — Lebanon : **146/28-33**, /41, /47, /48, /51, /52
- — — Russia, Dagestan : **146/19**
- — — Syria : **146/9**, /11, /31, /33, /34-42, /45
- — — Turkey : **146/6-12**, /13, /15, /27 /42, /58, /59, /60
- — — Turkmenistan : **146/14**, /55
- — Section **Limnaris** : **169/7**
- — Section **Regelia** : **146/3**, /55, /65
- subgenus **Scorpiris (Juno)** : **156/2**, /40-41, /42-46
- 'Finola' : **132/56C**
- 'Katharine's Gold' : **132/56C**
- 'Mars Landing' : **132/54C**
- 'North Star' : **132/57C**
- 'Painted Lady' : **132/54C**
- 'Sea Breeze' : **132/54C**
- 'Sunshine' : **132/55C**
- Dwarf bearded (DBI) 'Blue Flirt' : **143/76C**
- — 'Making Eyes' : **143/72C**
- — 'Moon Sundae' : **143/76C**
- — 'Toy Clown' : **143/76C**
- — yellow : **143/77C**
- Pacific Coast hybrid : **134/27C**; **143/78C**
- × denticulata 'Happiness' : **132/53C**, **55C**
- × hollandica 'Blue Magic' : **134/27C**
- — 'Lion King' : **134/28C**
- — (white cultivar) : **134/23C**, /28C
- spp., Fergana valley : **140/3**, /4
- acutiloba : **146/20C**, /62
- — compact form : **146/19C**
- — subsp. longitepala : **146/62C**
- alberti : **169/7**, /8C, /46C

- antilibanotica : **146/31C**, /35C, /41C
- aphylla : **144/2C**
- assadiana : **146/40C**
- atrofusca : **146/49C**
- atropurpurea : **146/50C**
- aucheri : **150/73**
- auranitica (Lava iris) : **146/35C**
- bakeriana : **149/76**; **150/34**
- — in habitat : **149/78C**
- barnumiae : **135/31**; **146/10C**
- barnumiae f. urmiensis (syn. I. urmiensis) : **135/31**; **146/10** /59C
- — subsp. demawendica (syn. I. demawendica) : **146/63C**
- basaltica : **146/33C**, /41C
- bismarckiana : **146/32C**, /47C, /48C
- bostrensis : **146/36C**, /45C
- — crosses with I. nigricans : **146/36**, /45
- bucharica : **135/33**
- camillae (I. schelkownikowii × I. iberica natural hybrid?) : **146/21C**, /25
- — habitat : **146/23C**
- — white & yellow form : **146/22C**
- cedreti : **146/30C**
- damascena : **146/38C**, /39
- danfordiae : **132/51**
- demawendica (syn. I. barnumiae subsp. demawendica) : **146/63C**
- dolichosiphon : **135/49**
- elegantissima (syn. I. iberica, I. iberica subsp. elegantissima) : **146/12C**, **59C**
- ewbankiana : **149/76**
- ferdowsii : **146/55**, /65C
- flea beetle : **165/15**
- galatica : **156/40C**
- — RUDA-059 : **147/6**, /7
- gatesii : **135/31**; **146/7C**
- graeberiana : **169/43**
- grossheimii (Armenia, Syunik Province) : **144/92C**
- haynei (syn. I. jordana, I. giladensis) : **146/46C**, /53C
- hermona : **146/42C**
- histrioides : **132/51**
- iberica : **146/12**, /18C
- — blue standards : **146/25C**
- — subsp. elegantissima : **135/26C**, /30C, /31
- — white form or hybrid : **146/24C**
- kemaonensis : **135/54C**
- kirkwoodiae : **146/3**, /9C, /42C

- — subsp. calcarea : **146/9**
- Iris korolkowii** : **135/39**
- kuschakewiczii : **166/6C**
- lineolata (syn. *I. acutiloba* subsp. *lineolata*) : **146/14C, /55C, /62**
- — grazed by sheep : **146/19C**
- — in habitat : **146/27C**
- — seedpods : **146/1C, /17C**
- lortetii : **146/33C, /51C**
- — var. samariae (syn. *I. samariae*) : **146/52C**
- lycotis (syn. *I. iberica* subsp. *lycotis*) : **146/13C, /60C**
- magnifica : **135/33C**
- mariae : **146/50C**
- marivanica : **151/12**
- meda : **146/56C, /57C, /65**
- medwedewii : **146/27C, /58C**
- nectarifera : **146/11C**
- nigricans : **146/36, /43C**
- nusairiensis : **156/44**
- orchioides : **135/36**
- pamphylica : **165/24**
- paradoxa : **135/31C, /32C; 146/16C, /23C, /27, /61**
- — dark form ('var. atrata') : **146/15C**
- — f. choschab (syn. *I. medwedewii*) : **146/27C, /58C, /64C**
- — — var. ochroleuca : **146/64C**
- — f. mirabilis : **146/61C, /64**
- — × *I. lineolata* natural hybrid : **146/26C**
- **peshmeniana** : **156/42C, /44C, /46C**
- — habitat : **156/45C**
- — isotype sheet (Kew) : **156/43C**
- — misnamed as '*I. peshmenii*' : **156/44**
- — × *nusairiensis* : **156/46C**
- persica : **160/7**
- petrana : **146/44C, /49**
- 'petrana' in Israel : **146/44**
- polakii, dwarf form : **146/56C, /65**
- reticulata : **150/5**
- — group : **165/24C**
- — — growing conditions : **165/21-24**
- — — ink disease (*Drechslera iridis*/*Bipolaris iridis*) : **165/22C**
- — — — treatment : **165/22**
- reticulata s.l. : **150/51, /73**
- — 'White Caucasus' : **132/55C**
- ruthenica : **169/7, /8C, /24, /25C, /46C**
- sari : **135/31; 146/6C**
- shelkownikowii : **146/25C**
- sisanica : **99/22-36**
- sopenensis : **132/52**
- sopenensis x *Iris danfordiae* : **132/52C**
- sprengeri : **146/8C**
- stenophylla subsp. *stenophylla* : **156/40, /41C**
- susiana (syn. *I. grandiflora*, *I. kasruwana*, *I. sofarana*) : **146/28C, /29C**
- swensoniana : **146/37C**
- unguicularis 'Mary Barnard' : **164/25, /27C**
- urmiensis (syn. *I. barumiae* f. *urmiensis*) : **146/59C**
- warleyensis : **135/33C**
- westii : **146/30C, /52C**
- winkleri : **165/23**
- yebrudii : **146/39C**
- yeruchamensis (*I. atrofusca* × *I. mariae* natural hybrid?; '*I. petrana*' in Israel) : **146/49C**
- zetterlundii : **150/65**
- Isophysis tasmanica** : **142/5**
- Isopogon** : **143/89C, /90C**
- cuneatus : **143/90C**
- Israel, coastal sand dunes : **146/50**
- Golan Heights : **146/42**
- — Masade Forest : **151/34**
- Mt. Hermon : **146/30, /52**
- Israel & Palestine, Jerusalem, Dome of the Rock (Qubbat al-Sakhra) : **146/47C**
- Italy
- Bergamo, Bergamasque/Orobic Alps, Monte Zucco : **167/11**
- — Pizzo del Diavolo : **167/12**
- Bologna : **167/15**
- Brescia, Cima Tufungo : **167/13**
- Denai : **167/4**
- Magasa : **167/3**
- Moerna : **167/16C**
- Monte Columbine, Lago d'Idro : **167/11**
- Passo di Croce Domini : **167/11**
- Persone : **167/3**
- Pilaster : **167/4**
- Brescia/Trento, Bocca di Cablone : **167/12**
- Cima Tombea : **167/3, /4C, /9C, /10C, /12**
- Monte Caplone : **167/4C, /12**
- Lake Como : **167/12**
- Lake Garda : **137/53; 167/10, /12, /14**
- Ligurian Alps : **167/15**
- Trento, Monte Tremalzo, Refugio Garibaldi : **167/3, /13**
- Trento/Verona, Monte Baldo : **167/12**
- University of Bologna : **167/15**

IUCN (International Union for Conservation of Nature) : **138/26**

Ixia : **143/80C, /81C**

— trifolia : **143/80C**

Ixiolirion tartaricum : **169/30, /31C**

Jancaea (Jankaea) heldreichii : **139/1C, /35C, /36C, /37C, /41C, /47C, /48C**

— — cultivation : **139/35-40, /41-43**

— — from seed : **139/41-48, /43C, /44C, /45C**

— — propagation : **139/39, /43-47**

— — rose form : **139/38C**

— — white form : **139/40C**

— — × **Ramonda myconi** (× **Jancaemonda**) : **139/46**

Japan : **161/14, /18**

Jordan, Petra 'The Khazneh' : **146/43C**

JOURNALS & MAGAZINES

AGS Bulletin : **156/3**

Phytotaxa : **153/37**

[Piante Grasse](#) : **159/2**

RHS Daffodil, Snowdrop & Tulip Yearbook : **169/36, /47**

Saxifrage Magazine : **168/31**

[Sibbaldia](#) (RBG Edinburgh) : **152/33**

Skalničky (Prague Rock Garden Club) :

137/54; 139/50; 142/73, /75; 154/2; 156/2

[The Crocus Focus](#) (Crocus Group Australia) : **164/23**

[The Garden](#) (RHS) : **164/32**

[The Rock Garden](#) (SRGC) : **150/2; 152/47; 153/2, /41, /45; 158/2; 169/41**

[The Rock Garden Quarterly](#) (NARGS) : **152/35**

Juglans regia : **169/6, /43**

Juncus chlorocephalus : **170/11**

— ensifolius (Sword-leaved Rush) : **170/17**

— occidentalis (Western Rush) : **170/20**

Junellia : **140/2, /28-68**

— seed : **140/29**

— with non-spiny leaves : **140/29-55**

— with spiny leaves : **140/56-67**

— azorelloides : **140/28C, /30C**

— — leaf : **140/29C**

— caespitosa : **140/56C, /57C, /58C**

— — flower, leaf : **140/57C**

— — habitat : **140/56C**

— congesta : **140/31-32, /31C, /32C**

— — leaf : **140/31C**

— connatibracteata : **140/59, /60C**

— — flowers, foliage : **140/59C**

— — habitat : **140/59C**

— coralloides : **140/34C, /35C**

— — flowers : **140/33C**

— — growth form : **140/33C, /34C**

— aff. coralloides : **140/35-36, /35C, /36C**

— — flowers : **140/36C**

— erinacea : **140/61, /62C**

— — flowers, foliage : **140/62C**

— — foliage : **140/61C**

— — habitat : **140/61C**

— micrantha : **140/37-38, /38C, /39C**

— — habitat : **140/37**

— — leaf : **140/37**

— o'donellii, flowers : **140/40C**

— — growth form : **140/39C, /41C**

— — leaf : **140/40C**

— patagonica : **140/33, /42C**

— — flowers : **140/42C**

— — growth form : **140/41C, /43C, /44C**

— silvestrii : **140/44C, /45**

— — flower, foliage : **140/45C**

— spissa : **140/63**

— — flowers, foliage : **140/63C**

— — growth form : **140/63C**

— succulentifolia : **140/46C, /46-47, /47C**

— — flower : **140/47C**

— — leaf : **140/46C**

— thymifolia : **140/48-49, /49C, /50C**

— — flower : **140/49C**

— — habitat : **140/48C**

— — stem, leaf : **140/48C**

— toninii : **140/64, /65C, /66C**

— — flowers, foliage : **140/64C**

— — habitat : **140/64C**

— tridactylites : **140/30, /52C, /53C, /54C**

— — growth form : **140/50C**

— — leaf : **140/1C, /51C**

— ulicina : **140/67C**

— — flower : **140/68C**

— — leaf : **140/67C**

— uniflora : **140/55**

— — flowers, foliage : **140/55C**

— — growth form : **140/55C**

— — seed : **140/55**

Juniperus communis : **170/44C**

— grandis (Sierra Juniper) : **170/20**

— pseudosabina : **169/6**

— semiglobosa : **169/6**

— seravschanica : **169/6**

— sp. (North Macedonia) : **152/9**

— sp. (Turkey, Burdur, Katrancık Dağı) :

- 162/31**
Juniperus turkestanica : **169/6**
Kageneckia oblonga (Rosaceae) : **132/25**
kaolinite clay : **162/60**
Kazakhstan : **166/2, /3; 169/21**
Aksu-Dzabagly Nature Reserve : **135/39**
Almaty : **166/3, /4, /17**
Chu-Ili mountains : **148/7; 168/13**
— Ashisu : **148/9**
Kordai, W of Almaty : **169/36**
Ili river valley : **148/9, /16; 168/3, /12, /15C**
— Kapchagay : **168/13**
Kara-Sumbe : **141/4**
Karatau mountains : **165/18; 168/6**
Kurdy : **166/3C, /4, /9**
— river : **166/4C, /5, /7, /18C**
Kyzyl-Kum desert : **148/9**
Lake Balkhash : **141/11; 148/10**
Lake Kapshagai : **166/5**
Mujun-Kum (Muyunkum) desert : **168/4C**
Taldygoran (Taldykoran) : **168/13**
Tarbagatai mountains : **141/4**
Tien Shan mountains : **166/3, /16**
Urdzhar : **141/4**
Zhetysu : **141/2, /3, /11, /15; 148/2, /3**
— Almaty Region, Alakol District :
141/24
— Dzungarian Alatau : **141/3, /24; 148/4, /10, /12, /13, /16; 168/13**
— Dzungarian Gate, Kol-Asuu gorge :
141/10, /16, /23, /25, /43
Keckiella lemmonii (Lemmon's Keckiella) :
170/10
Kelloggia galioides : **170/14**
[Kew World Plants checklist](#) (WCSP) : **146/5, 12**
Korea : **161/14, /18, /32**
Kosovo : **152/6, /7, /10**
Krascheninnikovia ceratoides (teresken) :
148/16
Kunzea muelleri : **143/52**
kyanite : **169/24**
Kyrgyzstan : **135/54; 140/15; 167/20; 169/2, /4, /20, /21, /40, /47**
Ala Bel : **135/36, /39**
Alamedin : **169/37**
— Tyopyle Klyuchi : **169/37**
Alay Ridge : **148/6**
Arslanbob : **169/6, /42C, /43**
Bishkek : **136/2C; 140/15; 169/4, /25, /37, /41, /43**
— National Academy of Sciences : **168/11**
— — Institute of Water & Hydropower :
169/2
Chatkal range : **140/16; 148/4; 169/4**
— Besh Aral State Reserve : **169/47**
— Jany-Bazar : **169/47**
Chong Kemin : **169/30, /32, /33**
Fergana Valley : **140/2, /3, /5, /9, /18, /20, /23; 141/3**
— climate : **140/4**
— Jalal-Abad region : **140/3, /4C, /5C, /6C, /7C, /8C, /10, /12**
— — Tash-Kumyr : **140/10, /12, /23**
— — Toktogul reservoir : **140/18**
— — Osh region : **140/8C**
— — Pamiro-Alay range, Alai : **140/16, /23**
Jashyl Kul : **169/32, /33C, /34C**
Jeti-Ögüz : **169/20C, /23C, /24, /26C**
Karakol : **169/27C, /29C**
Karatau : **140/16**
Kashka-Soo : **169/39C**
Kegeti : **169/35**
Kichi Kemin : **169/33**
Koy-Tash, Ata Beyit Memorial : **169/39C**
Kungay Alatau range : **169/30, /33**
Kyrgyz Alatau range : **169/35, /37**
Kyzyl-Kira : **169/43**
map : **169/22C**
Osh : **169/43**
Sary-Chalek (Jalal-Abad Province) : **169/3**
— etymology : **169/3, /19**
— location : **169/4C**
— Arkyt (formerly Arkut) : **169/3, /4, /5, /46**
— Lake : **169/3C, /5, /19C**
— State Biosphere Reserve : **169/3, /5C, /45**
— — fauna : **169/16**
— — flora : **169/6**
— — lakes : **169/16C, /17C, /18C**
— — walking trails : **169/16**
Song Kul : **169/41**
— tulips (*The Rock Garden*, Issue 144) :
169/41
Talas Alatau : **168/3, /10**
— Otmek Pass : **168/11**
Talas valley : **140/9C**
— Ichkeluu-Too Ridge : **140/16**
Lake Issyk-kul : **135/41; 169/27**
Varzob valley : **142/81**
Zailiysky Alatau range : **169/30**

- Lachenalia splendida** : 143/86C
- Lagarostrobos franklinii** (Huon pine) : 142/52C
- Lagotis cashmerianus** : 135/52
- Lamium album** : 169/9, /10C
- Lampranthus spectabilis** : 137/11, /12C
- land mine clearance : 146/17C
- Laretia acaulis** (Apiaceae) : 144/21, /33C
- Larix sibirica** : 169/6
- laurisilva* (subtropical laurel forest, Canaries) : 159/5, /8, /10C, /16, /22
- Latvia, Bulduri Horticultural College : 165/4
- Gauja river : 165/4
- Riga : 165/2, /3
- [Teterev Foundation](#) : 165/7
- lava gravel : 166/29
- leaf mould as peat substitute : 162/60
- Lebanon : 160/3
- cedar forest: 146/28C, /30
- [Leibnitz Inst. Plant Res.](#) (Gatersleben) : 162/4
- Leontice leontopetalum** : 150/73
- Leontopodium nanum** : 148/55
- Leopoldia** (Asparagaceae) : 134/3; 147/3, /5, /6
- key : 134/9-11
- morphological distinction : 147/3
- archibaldii : 134/3-19, 9*, /10, /15C, /17C, /18C
- — holotype : 134/16C
- — locations : 134/13C, /14C
- — BATM-282 : 134/3C, /6C, /7C, /8C
- — LST-172 : 134/11C
- — LST-179 : 134/11C
- — LST-188 : 134/12C
- — LST-206 : 134/11C
- — LST-212 : 134/12C
- babachii : 134/11
- caucasicum : 134/10
- comosum : 134/10
- elmasii (basionym *Muscari elmasii*) : 134/9, /18D; 147/15
- erdalii (basionym *Muscari erdalii*) : 134/10; 147/15
- haradjianii (basionym *Muscari haradjianii*) : 134/11; 147/15
- longipes : 134/10
- massayanum (basionym *Muscari massayanum*) : 134/10, /14C, /15C, /17C, /18C, /18D; 147/15
- — locations : 134/13C
- mirum (basionym *Muscari mirum*) : 134/10 ; 147/15
- muglaensis (basionym *Muscari muglaensis*) : 147/15
- parvipoldia : 147/2, /3-16, /7*
- — BATMAN-437 : 147/6, /7, /9C, /10C, /14C
- — bulbs : 147/12C
- — etymology : 147/7
- — flower details : 147/11C
- — habitat & distribution : 147/7
- — holotype GB! : 147/7, /14C
- — in seed : 147/12C
- — *locus classicus* : 147/1C, /5C, /6C, /13C
- — RUDA-059 : 147/2C, /6, /8C
- — seed capsules : 147/11C
- — seeds : 147/13C
- — vs *Muscari savranii* : 147/6
- savranii (basionym *Muscari savranii*) : 134/10 ; 147/15
- tenuiflorum : 134/11
- weissii : 134/9
- Leporella fimbriata** : 143/19C
- leprosy (Hansen's Disease) : 139/20
- Leptoceras menziesii** (syn. *Caladenia menziesii*) : 143/20C, /21C
- Leptospermum rupestre** (Alpine Tea Tree) : 142/70C
- Lepus europaeus** (hare) : 145/12, /28
- — faeces : 145/32C
- — plant damage : 145/17C, /24C, /28
- Lesquerella** : 151/2
- subsumed in **Physaria** : 151/20, /21
- (*Physaria*) *arizonica* : 151/19C
- intermedia : 151/20C
- Leucochrysum albicans** subsp. *albicans* : 143/53, /54C
- Leucocoryne ixiooides** : 137/40C; 138/24
- Leucogenes grandiceps** : 153/43
- leontopodium : 153/43, /58C
- Lewisia nevadensis** : 170/31C
- tweedyi : 153/43
- Liatris spicata** : 153/35C
- lichen, crustose : 166/13C, /14C
- Ligularia heterophylla** : 169/9
- thomsonii : 169/9
- Ligusticum grayi** (Gray's Lovage) : 170/35
- Lilium**, virus-infected : 165/17C
- bolanderi : 142/88, /90C
- columbianum : 142/88, /90C
- kelleyanum : 142/96
- kelloggii : 142/87, /88, /89C
- lophophorum : 135/49

Lilium mackliniae : 133/34C
 — monodelphum : 133/35C
 — pardalinum : 142/84C, /85, /87, /96
 — — subsp. shastense : 142/96, /98C
 — — subsp. vollmeri : 142/88, /91C, /92
 — — subsp. wigginsii : 142/93C
 — parvum (Sierra Tiger Lily) : 170/34C, /35
 — — var. crocatum : 142/85C
 — rubescens : 142/88, /90C
 — souliei : 135/42, /44C
 — washingtonianum : 142/88
 — — subsp. purpurascens : 142/88, /92C
 — — subsp. washingtonianum : 170/33C, /34
 lime : 162/60; 165/7
 limestone : 149/4 ; 167/13, /14
Limodorum abortivum : 163/26C
 — cleistogamy : 163/26
Lindelofia macrostyla : 135/54
Lindera obtusiloba : 133/43C
Linguella : 143/25
Linum cariense : 166/28C
 — perenne subsp. alpinum : 167/1C, /7, /8C
 — — — 'Alice Blue' : 167/7
Liolaemus tenuis (lizard) : 137/46C
Liparis, germination : 156/54
Listera kuanshanensis : 145/56
Lithrea caustica (Anacardiaceae) : 132/25
Loasa placei : 137/24, /25C
 — tricolor : 138/24
Lobelia dortmanna (Water Lobelia) : 170/46
 — polyphylla : 137/44, /45C
Lonicera conjugalialis (Purple Flower
 Honeysuckle) : 170/23
 — fragrantissima : 161/18
 — tatarica : 134/34C
 LST Expedition team : 147/37C
Lupinus albifrons : 142/99C
 — grayi (Gray's Lupine) : 170/26C
 — lepidus var. sellulus (Stool Lupine) : 170/26
 — microcarpus : 137/41C
 — succulentus : 162/62
Lychnis alpina : 153/50C
Lynx lynx (Lynx) : 169/16
macchia : 139/54
Magnolia wilsonii : 133/40C
Maianthemum racemosum : 170/23
Maihuenia poeppigii : 145/24C, /26C
Malesherbia fasciculata (Passifloraceae) :
 132/16, /18C, /26; 137/31C, /32C
 — — var. glandulosa : 137/31
 mallee, dry : 143/28C
 — scrub : 143/8C, /11C
Malus niedzwetzkyana : 169/6
 — sieversii : 169/6
 Mancozeb (fungicide) : 165/22
Manduca sexta-cestri (six-spot hawkmoth)
 — — caterpillar : 156/10C
 — — imago : 156/10C
 mattoral (upper Andean copse) : 144/21
Malus sieversii : 141/25
Martes foina (Beech marten) : 169/16
 'Meadow saffron' (**Colchicum**) : 155/2
Meconopsis hybrid 'Cruickshank' : 133/39C
 — — 'Dorothy Renton' : 133/37C
 — — 'Sikkim' : 133/1C
 — aculeata : 135/51, /52C
 — delavayi : 153/47C
 — integrifolia : 135/50
 — lancifolia : 135/50C, /51
 — prattii : 135/42
 — pseudointegrifolia : 135/44
 — punicea : 133/38C; 135/49C, /50
 Mediterranean
 climate : 143/4; 163/3
 — Regions : 135/21
 Mediterranean
 Esclerophyll shrub land (Matorral
 Esclerófilo, Chile) : 132/25
Melaleuca squamea : 142/71C
Melia azedarach : 137/29C
 melittophily (pollination by Hymenoptera) :
 153/31
Mentzelia laevicaulis : 142/94C
Merendera (**Colchicum**) : 136/3; 147/17
 metamorphic rock : 170/6, /7, /9, /30
Microcachrys tetragona (Creeping Pine
 /Creeping Strawberry Pine) : 142/53C
Microdochium nivale (formerly **Fusarium**
 nivale) : 165/11
Microphyes minima (Caryophyllaceae) :
 132/21C, /22, /26
Microseris lanceolata (Yam Daisy/Murnong) :
 143/61C
Microtis parviflora : 143/40C
Mimulus luteus var. *variegatus* : 156/9
 — naiandinus C&W5094 ('Andean Nymph') :
 156/9
Minuartia stellata (Utrecht BG) : 152/33
Mitrodetus dentitarsus (as pollinator) :
 138/25, /29C
Mniodes pulvinata : 154/5, /6C
Moluccella laevis : 138/24

- Monachosorum** henryi : 145/55
- Monardella** odoratissima : 142/99
- Montenegro : 152/4
- Montiopsis** ramosissima : 132/18, /20C, /26
- tricolor : 144/22, /36C
 - trifida : 132/18, /19C, /26
- montmorillonite clay : 162/60
- Moraea** atropunctata : 143/82C
- bipartita : 143/82C
 - spathulata : 143/82C
- Morina** coulteri : 135/54
- morphological differentiation in cultivation (Crocus) : 152/4
- (Puschkinia) : 150/11, /27, /28
- Morocco : 159/4
- Moscharia** pinnatifida : 138/24
- Muscari** : 147/5
- *sensu lato* : 147/5, /6
 - — phylogenetics : 147/3, /4D
 - — taxonomy : 147/3, /4
 - subgen. Botryanthus : 147/4
 - subgen. Leopoldia : 147/3, /4
 - subgen. Muscari : 147/3, /4
 - subgen. Pseudomuscari : 147/3, /4
 - cv 'Jenny Robinson' : 164/37
 - elmasii (basionym of Leopoldia elmasii) : 134/3, /6; 147/15
 - erdalii (basionym of Leopoldia erdalii) : 147/15
 - haradjianii (basionym of Leopoldia haradjianii) : 147/15
 - macrocarpum (syn. **Muscarimia** macrocarpum) : 134/3, /5
 - massayanum (basionym of Leopoldia massayana) : 134/3, /4C, /5, /6, /9, /10; 147/15
 - cf. massayanum : 134/4
 - mirum (basionym of Leopoldia mirum) : 147/15
 - muglaensis (basionym of Leopoldia muglaensis) : 147/15
 - cf. neglectum 'Baby's Breath' (now M. 'Jenny Robinson') : 164/37
 - racemosa : 135/22, /24C
 - savranii (basionym of Leopoldia savranii) : 147/6, /15
 - sp. (Turkey, Van) : 160/7
- Muscarimia** : 147/3
- MUSEUMS
- Czech National Museum : 139/50
 - Hungarian National Museum : 139/35
 - National Museum of Natural Science, Taiwan : 145/2
 - Natural History Museum, London : 139/31
 - [Natural History Museum, Oslo](#) : 150/26
 - Natural History Museum, Paris : 139/32; 144/5
 - Santiago Natural History Museum : 138/44; 144/7
- Mutisia** araucana : 145/13, /14C
- hookeri (syn. M. subulata) : 135/3, /4,
 - — var. rosmarinifolia : 135/4, /6C*
 - — forma rosmarinifolia (Cabrera) : 135/8
 - linearifolia (syn. M. subulata) : 135/3, /6C*
 - oligodon : 145/26, /29C
 - subulata : 135/2, /3-10, /3C, /4C; 145/13
 - — var. rosmarinifolia : 135/6, /7P, /8*, /9C, /10C
 - — var. subulata : 135/5P, /6, /7
- Myanmar, Shan Hills : 161/48
- mycorrhizal fungi (**Russula**) : 143/6
- Myriopteris** (syn. **Cheilanthes**) gracillima : (Lace Lip Fern) : 170/13
- Myrteola** nummularia : 144/22
- Narcissus** '[Hatdance](#)' : 143/72
- 'Quickstep' x fernandesii : 143/71, /72C
 - 'Xit' (N. rupicola subsp. watieri hybrid) : 143/73C
 - bulbocodium : 153/44
 - — bulbs potted : 165/9C
 - romieuxii : 153/44
 - scaberulus : 153/44
- Nartheicum** californicum : 142/96
- ossifragum (Bog Asphodel) : 170/43C
- Nassauvia** digitata (Asteraceae) : 144/22, /33C
- revoluta : 145/26, /30C
- naturalized plants (stinzenplanten) : 152/48
- Navarretia** leptalea subsp. leptalea (Bridge's Gilia) : 170/28C, /29
- Nemophila** maculata (Five-spots) : 166/26C, /27C; 170/31C
- Neophron** percnopterus (Egyptian vulture) : 169/16
- Neotinea** maculata : 163/26C
- tridentata, protocorm : 156/53C
- Nepal/Tibet, Kanchenjunga : 161/36
- Netherlands, Amsterdam : 163/3
- Nevski plant community (NW Iran) : 150/14
- Nigella** damascena : 137/9C
- Niveoscincus** microlepidotus ([Southern Snow Skink](#)) : 142/34

Nolana crassulifolia : **137/43, /44C**
 — paradoxa : **137/43, /44C**
Nomocharis aperta : **133/34C; 135/44C**
 North Macedonia (Republic of) : **152/3; 162/6**
 — Jablanica Mountains : **152/3, /7, /8, /9, /10, /11C, /12C, /13C, /28**
 — Šar Mountains : **152/3, /8, /9, /28**
 — — Mt. Popova Šapka : **152/7, /25C**
Nothofagus (Utrecht BG) : **152/36**
 — antarcticus (řirre, Antarctic southern beech) : **144/21, 31C**
 — cunninghamii (syn. **Lophozonia cunninghamii**) : **142/6C, /54C, /55C**
 — gunnii (Tanglefoot) : **142/5, /11C, /55C**
 — — autumn colour : **142/56C, /57C, /71C**
Nototriche : **154/2**
 — centre of distribution : **154/21, /32**
 — arisata : **154/14C**
 — compacta : **154/21, /22C, /23C**
 — — habitat : **154/22C**
 — digitulifolia : **154/12C, /20C, /21C**
 — — habitat : **154/20C**
 — macleanii : **154/12, /15C, /16C, /17C, /19C, /31C**
 — — cultivation : **154/15-16, /31**
 — — cuttings : **154/16, /18C, /31C**
 — obtusa : **154/13C, /27C, /28C**
 — pediculariifolia : **154/23C, /24C**
 — phyllanthos : **154/24C, /25C, /26C**
 — pinnata : **154/14C, /29C**
 — pusilla : **154/30C**
 — salina : **154/12C**
 — sp. (deep red) : **154/14, /32**
NURSERIES & DISTRIBUTORS
 Asiatica (Pennsylvania, USA; closed) : **161/9**
[Avon Bulbs](#) (Somerset, UK) : **164/34**
 B. Ruy (Dedemsvaart, Netherlands) : **139/4**
 Barbier Frères (Orléans, France; closed 1972) : **139/4**
[Blackthorn](#) (Leighton Buzzard, UK) : **167/4**
 Buried Treasure (Porthyrhyd, Carmarthen, UK) : **162/7**
 Callie's Beaux Jardin (Wisconsin, USA; closed) : **139/14**
 Caprice Farm Nursery (Oregon, USA; closed c. 2009) : **139/4**
[Crûg Farm Plants](#) : **145/2, /50, /57; 161/33 /40, /48**
 Chileflora : **138/20**

[Dryad Nursery](#) (Tockwith, North Yorkshire, UK) : **155/2, /12; 163/29**
[Edrom](#) (Eyemouth, Berwickshire, UK) : **133/2; 167/15**
[Emorsgate Seeds](#) (King's Lynn, Norfolk, UK) : **156/58**
 Farndale Plants (Yorkshire, UK) : **164/8**
 Gilbert H. Wild & Son (Sarcoxie, Missouri, USA) : **139/4**
 Glenbrook Bulb Farm (Tasmania, Australia) : **143/72**
 Gräfin von Zeppelin (Sulzburg-Laufen, Germany) : **139/4**
 Green Ice Nursery, Netherlands (closed) : **141/53, /54**
[Growild Nursery](#) (Cumnock, East Ayrshire, UK) : **156/58**
 Horst Gewiehs Blumenzwiebelimport : **135/16C, /17C**
 Hythe Alpines (Thetford, Norfolk, UK; closed) : **156/34**
 Inshriach (Aviemore, UK; closed) : **167/15**
[Jānis Rukšāns](#) : **136/58C, /61C, /68C, /70C, /72C; 140/18**
 Kelways (Somerset, UK) : **139/4, /14, /15**
 Klehm Nursery (Illinois, USA; closed) : **139/14**
[Lambley Nursery](#) (Victoria, Australia) : **143/73**
[Nova Zahrada](#) (Mořice, Czechia) : **140/2, /3; 168/11**
 Ornamental Nurseries (Litomyřl, Czechia) : **155/21**
 Phedar (Stockport, UK) : **139/21**
[Pivoines Rivière](#) (Crest, France) : **139/14**
[Plant World Seeds](#) (Newton Abbot, Devon, UK) : **156/58**
[RarePlants](#) (Wrexham, UK) : **162/51, /52**
[Silverhill Seeds](#) (Cape Town, South Africa) : **143/92; 149/2**
 Stauden Feldweber, Austria : **139/4**
 Tile Barn Nursery (Kent, UK; closed) : **141/54**
 Tira Nurseries (Israel; closed) : **146/3, /54C**
 Van Meeuwen & Zonen : **135/11P, /13**
 Van Tubergen : **134/5; 162/20**
[Wrightman Alpines Nursery](#) (New Brunswick, Canada) : **141/43**
 Zoher & Co. (Haarlem, Netherlands) : **135/12**
Nyssa sylvatica : **133/43C**

- Oenothera acaulis** : 137/41C, /42
- Olearia** sp. : 143/64
- alpicola : 143/65C
 - frostii (Bogong Daisy) : 143/1C, /53C
- Oligochaetochilus** : 143/25
- Olsynium junceum** : 138/24
- Omphalodes luciliae** : 135/1C, /22, /24C
- Omphalogramma viola-grandis** : 135/48C, /49
- Onopordum acanthium** (Scottish Thistle) : 137/23
- Ophiopogon** sp. : 145/55
- Ophrys**, germination : 156/54
- apifera : 163/19C
 - ferrum-equinum : 163/15C
 - — f. labiosa : 163/16C
 - — f. subtriloba : 163/16C
 - — subsp. gottfriediana (O. gottfriediana) : 163/16C
 - fragrans : 163/24C
 - (fucifloroid group) : 163/5-9
 - — ethemeae : 163/7C
 - — oreas : 163/8C, /9C
 - — samia : 163/5C
 - — samiotissa : 163/5C, /6C
 - — tili : 163/7C, /8C
 - (fusca lutea complex), pelinaea : 163/23C
 - gottfriediana : 163/16C
 - helenae : 156/59C
 - — seedlings : 156/56C
 - herae : 163/19C
 - homeri : 163/27C, /28C
 - iricolor : 163/24C
 - mammosa : 163/18C, /19
 - omegaifera : 163/23
 - (omegaifera group) : 163/23
 - — sitiaca : 163/23C
 - reinholdii : 163/17C
 - (scolopaxoid group) : 163/9-14
 - — ceto : 163/13C
 - — cornutula : 163/12C
 - — dodekanensis : 163/12C
 - — heterochila : 163/12
 - — minuscula : 163/11C
 - — minutula : 163/10C
 - — oestrifera : 163/9C, /12
 - — umbilicta : 163/10C
 - sicala : 163/22C
 - (speculum group) regis-ferdinandii : 163/18C
- Opuntia ficus-indica** : 137/20C
- sp. (Utrecht BG) : 152/42C
- [Orchidaceae](#) on SRGC Forum : 156/59
- Orchis**, germination : 156/54
- anatolica : 163/21C
 - anthropophorum : 163/21C
 - italica : 156/56C; 163/15C
 - mascula : 167/4
 - morio : 163/1C
 - — subsp. caucasica : 163/20C
 - sancta : 163/25C
 - simia : 144/93C
- Oreobolus** sp. : 142/62C
- pumilio : 142/43C
- Orites myrtoideus** : 144/22; 145/26
- Ornithogalum** sp. (NW Iran, Kurdistan) : 160/22
- — (NW Iran, Oshnavieh) : 149/76
 - — (Turkey, Burdur, Katrancık Dağı) : 162/32
 - luschani : 150/14
 - umbellatum : 134/26C
- Osmocote® Exact Mini : 139/43
- Osteospermum fruticosum** : 137/5, /7C
- Otonycteris hemprichii** (Desert long-eared bat) : 169/16
- Ourisia microphylla** : 145/26, /31C
- ruelloides (syn. O. poeppigii) : 144/46C, /47C
 - — assumed autogamy : 144/46
- Ovidia andina** : 144/22
- Oxalis** systematics : 138/30
- sect. Alpinae : 138/20, /30, /31
 - — key : 138/32-34
 - sect. Carnosae : 138/37C; 144/4, /5, /8
 - — distribution : 144/4
 - sect. Giganteae : 138/38C
 - sect. Ionoxalis : 138/36C
 - sect. Palmatifoliae : 138/37C
 - sect. Roseae : 138/36C
 - sepals in identification : 144/4
 - 'Ute' : 133/33C
 - adenophylla : 138/37C
 - [brevis](#) : 144/2, /3C, /4C, /5C, /6C, /7C, /8C, /9C, /10C, /11C, /12C
 - bulbocastanum : 138/36C; 144/3
 - campanensis : 138/31, /33
 - chachahuensis : 138/31, /32
 - cinerea : 138/31, /33
 - clandestina : 138/31, /32
 - colchaguensis : 138/31, /32, /33
 - compacta : 138/31, /33, /34C
 - eremobia : 138/31, /32
 - erythrorhiza : 138/31, /34

- Oxalis** famatinae : **138/31, /34**
- gigantea : **138/38C**
 - holosericea : **138/31, /33**
 - hypsophila : **138/31, /33**
 - incana : **138/31, /33**
 - laxa : **138/31, /33, /35C**
 - megalorrhiza : **144/8**
 - micrantha : **138/31, /33**
 - mira : **138/31, /33**
 - mirbelii : **138/37C**
 - muscoides : **138/31, /32**
 - — F&W12569 : **138/35C**
 - nahuelhuapiensis : **138/31, /34**
 - pachyrhiza : **144/4**
 - penicillata : **138/31, /32**
 - perdicaria (syn. *O. lobata*) : **138/36C**
 - pycnophylla : **138/31, /34**
 - ranchillos: **132/46C; 138/1C, /2C, /19-44, /21-22*, /31**
 - — (*O. "terra-mortuis"*) **137/46C, /47**
 - — F & W 12879 : **138/26C, /27C,**
 - — F & W 12882 : **138/29C**
 - — F & W 12926 : **138/29C**
 - — F & W 12928 : **138/27C**
 - — F & W 13412 : **138/27C**
 - — conservation status : **138/25**
 - — distribution : **138/22**
 - — etymology : **138/22**
 - — foliage : **138/30C**
 - — habitat : **138/23**
 - — IUCN class. *Critically Endangered* : **138/26**
 - — matrix flora : **138/24**
 - — phenology : **138/23**
 - — pollination : **138/25**
 - — systematics : **138/30**
 - rigida : **138/31, /33**
 - rosea : **138/36C**
 - squamata : **138/31, /32, /35C**
 - strictula : **137/37, /38C; 138/31, /33**
 - subacaulis : **138/31, /32**
 - valdiviensis : **138/31, /32, /36C; 145/26, /30C**
- Ozothamnus** alpinus (Alpine Everlasting) : **143/58C, /59C**
- Pachylaena** atriplicifolia F&W11089 : **156/14C**
- Paederota** (Veronica) bonarota : **167/7C, /12**
- Paeonia** 'Age of Gold' : **139/31**
- 'Alice Harding' : **139/31**
 - 'Chlupáček' : **139/6, /12C, /13C**
 - 'Chromatella' : **139/31**
 - 'Czech Poppy' : **139/5C, /6**
 - 'Early Caucasian' : **139/14C, /18**
 - 'Ecstasy' : **139/17**
 - 'Erotikon' : **139/17C**
 - 'Fluffy' : **139/14**
 - 'French Poppy' : **139/6C**
 - 'Gedenken' : **139/4C, /5, /6**
 - 'Marie Fischer' : **139/5**
 - 'Moonrise' hybrid : **139/5**
 - 'Salamander' : **139/15, /16C**
 - 'Silesian Poppy' : **139/6C**
 - 'Trojan Black' : **139/15, /16C**
 - 'Yellow Caucasian' : **139/15C**
 - subsect. *Delavayanae* : **139/31, /34**
 - anomala : **139/15, /18**
 - — 'Forest Sprite' ('*Anomala Semiplena*') : **139/15**
 - arietina : **139/14**
 - cambessedesii : **143/81C**
 - daurica subsp. *mlokosewitschii* : **164/25**
 - delavayi : **139/32C, /34**
 - — self-compatibility : **139/33**
 - intermedia : **169/9, /11C**
 - intermedia/hybrida : **169/35C**
 - lactiflora : **139/4, /5, /15, /18**
 - — 'Alžběta Pomořanská' : **139/9, /11C**
 - — 'Andromeda' : **139/9, /11C**
 - — 'Anna Falcká' : **139/9, /10C**
 - — 'Anna Svidnická' : **139/9C**
 - — 'Blanka z Valois' : **139/9C**
 - — 'Cassiopaea' : **139/18C**
 - — 'Moonlight Sonata' : **139/9, /11C**
 - — 'Noble Carmen' : **139/6, /7C, /8C**
 - linyanshanii (*P. rockii* subsp. *linyanshanii*) : **139/24**
 - ludlowii : **139/30-31**
 - — as 'lutea' : **139/31C**
 - lutea (*nomen confusum*) : **139/34**
 - mascula : **139/14**
 - — subsp. *russoi* : **139/18 ; 143/75C**
 - mlokosewitschii : **133/34C; 139/14**
 - obovata : **139/17; 141/26**
 - officinalis : **139/4, /14**
 - peregrina : **139/6**
 - potaninii (= *P. delavayi* Potanin group) : **139/34**
 - — : **139/33C**
 - — ex ACE 1047 : **139/34C**
 - — self-incompatibility : **139/33**
 - — yellow : **139/34C**
 - rockii : **139/19C, /21C, /22C, /23, /24**

Oxalis rockii, conservation ex situ : **139/26**
— — JJA 4.581.500 : **139/20C**
— — self-incompatibility : **139/23**
— — deep pink : **139/21C**
— — subsp. linyanshanii (P. linyanshanii) :
139/24, /27
— — subsp. rockii : **139/27**
— — × linyanshanii grex 'Abkhazia
Princess' : **139/26C, /27, /28, /29C**
— — — — hybrid vigour : **139/28**
— — — — hardiness : **139/29**
— — — — parentage & grex variation :
139/28
— — — — propagation : **139/28**
— — 2 species? : **139/23-25**
— — /linyanshanii performance : **139/26**
— — — pruning : **139/25**
— — — distinguishing : **139/24-25**
— — — — perules (bud scales) : **139/24**
— — — — leaf : **139/24**
— — — — DNA analysis : **139/25**
— — — tap-root & replanting : **139/25**
— tenuifolia : **139/17, /18**
— wendelboi : **164/25**
— × mlokoboi : **164/25**
— × suffruticosa 'Liba' (= 'Madame Horák') :
139/3
Pakistan, Balochistan, Chagai, Saindak :
164/30
Pandion haliaetus (Osprey) : **169/16**
Pandorea jasminoides : **137/16, /17C**
Panicum acuminatum var. fasciculatum :
(Pacific Panic Grass) : **170/18**
Papaver pavoninum : **145/4C; 149/94C**
— somniferum : **137/9C**
Paraquilegia caespitosa : **135/39**
— microphylla : **135/44, /46C**
Parasenecio monanthus : **145/56**
— nokoensis : **145/56**
Parnassia palustris : **170/46**
Patagonia : **140/37, /40, /42, /45, /48, /54,**
/56, /64, /67
— climate : **140/28**
— Monte ecoregion : **140/28**
— Steppe ecoregion : **140/28**
— topography : **140/29**
— verbenas : **140/2, /28-68**
Paysonia : **151/21**
peat : **148/68; 165/9**
— garden, situation : **152/48**
Pedicularis cadmea : **135/22**

— davidii : **135/49**
— dolichorrhiza : **169/9, /10C**
— monbeigii : **135/42**
Pelargonium cultivars : **137/7C**
— 'Vancouver Centennial' :
134/38C
— triste : **143/78C**
Pellaea bridgesii (Bridge's Cliff-Brake) : **170/13**
Pelophylax ridibundus (Marsh frog) : **169/16**
Penicillium : **165/11**
Pennellianthus frutescens (syn. **Penstemon**
frutescens) : **152/41**
Penstemon heterophylla : **167/20**
— laetus : **142/93C**
— newberryi : **142/99, /100C**
— pinifolius : **152/42C**
Pentachondra pumila (Carpet Heath) :
143/56C
Peony, Czech breeding : **139/3-18**
— Czech sources : **139/4**
— [Paeonia website](#) (Carsten Burkhardt) :
139/3, /24
PEOPLE
Abkhazi, Nicholas : **139/27C**
Abkhazi, Peggy : **139/27C**
Achilles, Hans : **133/9, /18**
Adams, Michael (Johann) Friedrich : **150/3;**
160/3
Advay, Mahfouz : **160/21, /22**
Aldonate, Margarita : **144/32C**
[Aleck Yang, T.-Y.](#) : **145/2, /48-57**
Alexander the Great : **169/43**
Alipour, Sajad : **148/20, /29C; 149/1C, /2,**
/6C, /11C, /25C, /31C, /40C; 151/35
Amenabar, Agustín ([Project Noah](#)) :
144/28C
Andersen, Kirsten : **140/35**
Andersen, Lars : **140/35**
Anderson, EB : **164/33, /37**
Andersson, Julia : **166/2**
Antonin, Petr : **148/53, /55C**
Archibald, Jenny : **149/70**
Archibald, Jim : **134/4, /5; 149/70, /71, /76,**
/82; 152/29; 156/44; 160/22; 162/7, /9,
/10, /20; 167/15
Armand, David : **139/32**
Arthur, Will : **143/2C, /71**
Astargo, José Antonio 'Cotello' : **138/19C,**
/44
Avent, Tony : **161/18**
Ayton, Alan : **134/45C, /46C; 142/1C, /2C;**

/3-72 ; **143/1C**, /2, /51-70
 Baker, John : **147/17**; **148/3**; **150/5**
 Baker, Ruby : **164/34**
 Baláž, Jaroslav : **137/2**, /53-57
 Banketov, S. : **147/35C**, /**36C**
 Bankov, Stefan : **155/21**
 Barnard, Jasmin : **162/2**
 Barnard, Robert : **151/2C**; **162/2**, /58-63;
170/1C, /2, /3-36
 Barstow, Stephen : **134/43C**
 Bartning, Esther : **135/12P**, /13
 Batty, Helen : **164/23**
[Baxendale, Leo](#) : **164/11**
 Bayer, 'Traudl' : **156/19**
 Baytop, T. (ISTE 31877) : **134/5**
 Becker, Wilhelm : **145/40**, /41; **153/5**, /6,
 /7, /**16D**
 Beeston, Ron : **162/7**
 Belov, Michail : **132/20C**, /**21C**, /**43C**;
138/20; **144/27C**; **145/27C**; **156/5**, /9,
 /**20C**, /33
 Belyalov, Oleg : **151/35**
 Berger, Zdeněk : **141/54**
[Berthelot, Sabine](#) : **159/4**
 Bertoloni, Antonio : **167/15**
 Billiet, Ruben : **133/5C**, /**7C**, /**11C**, /**14C**,
 /**15C**, /**16C**, /18; **164/12C**, /23
 Bishop, Joy : **164/34**
 Bishop, Matt : **164/8**, /**9C**, /18, /34
 Blanchard, John : **164/24**
 Blažková, Uljana : **139/4**, /6
 Boens, Wim : **133/2C**, /3-18; **135/2**, /11-19;
156/36 ; **164/2**, /3-23
 Boissier, Pierre Edmond : **148/3**
 Bokeria, M. : **147/19**
 Boldiston, Greg ([website](#)) : **143/79**
 Bondarenko, Leonid : **135/14C**, /**15C**;
136/7, /**75C**, /**76C**, /**77C**, /**78C**, /**79C**, /**80C**
 Bondarenko, Sergey : **99/22-36**; **136/2**
 Bondareva, Olga : **136/2C**
 Bornmüller, J. : **162/6**
 Borrill, Ann : **164/35**
 Botschantzeva, Zinaida : **148/3**, /7, /8;
166/10
[Bowles, EA](#) : **162/3**, /4; **164/14**, /29, /33
 Boyce, Peter : **139/52**
 Bravenboer, Jan : **141/2**, /53, /54, /55
 Bravenboer, Mieke : **141/54**
 Brejník, Martin : **138/2**, /3-14, /**12C**
 Brickell, Chris : **164/33**; **168/2C**
 Bricknell, Christopher : **147/19**
 Brown, Helen ([website](#)) : **151/29C**
 Brown, Robert : **143/19**
 Browne, Sergio Ibáñez : **144/12**
 Buchanan, Barbara : **164/33**
 Buchanan, Charles : **164/33**
 Burkhardt, Carsten : **139/3**
 Burnat, Émile : **167/14**
 Businský, Roman : **148/52**
 Bustos, Ezequiel : **153/36C**
 Buxton, Geff : **164/34**
 Buxton, Kitty : **164/34**
 Bydžovský, Jiří : **144/91**; **152/29**; **162/8C**,
 /35, /56
 Cabrera, Angel : **135/4**, /5, /8
 Cadagan, R. : **144/49C**
 Calkins, Timothy : **155/2**, /13-20, /**19C**
 Carruthers, Joyce : **138/16**
 Carver, David : **149/2**, /91-92
 Celedón, Carlos : **132/3C**, /**14C**, /**15C**,
 /**16C**, /**29C**, /**30C**, /**31C**, /**32C**, /**40C**, /**41C**,
 /**45C**, /**47C**, /**48C**, /**49C**; **138/19C**, /40, /43,
 /44
 Čepička, Stanislav : **156/44**
 Chalmers, Alistair : **133/20C**
 Chaworth-Musters, Maria : **164/34**, /35
 Chaworth-Musters, Robert : **164/34**
 Cheese, Martyn : **156/4**, /8, /13, /25, /33
 Chen Yi : **161/16**, /20, /22, /30, /49
 Chen Zilin : **168/24**
 Christenhusz, M.F. : **148/9**, /39
 Christensen, Bo : **156/58**
 Christiansen, Henning : **164/31**
 Christian, Paul : **162/6**, /7, /9, /10, /51,
 /52
 Ciesielski, Krzysztof : **158/2**, /3-4
 Clarke, Barry : **134/41**, /**47C**
 Clarke, Betty : **143/79**
 Clay, Sampson : **145/40**
 Clements, Mark : **143/7**, /8, /19, /25
 Clements, Theresa : **137/2**
 Cobb, Calla : **152/47C**
[Cobb, James](#) : **152/47C**
 Cobb, Ray : **164/2**, /24-38, /**24C**, /
 Colley, Finlay : **145/55**
 Comber, Harold : **145/40**
 Condon, Viv : **143/2**, /71
 Corazza, Gianluca : **133/18**
 Cornish, Phil : **164/35**
 Correa, Maevia Noemi : **153/8**, /36
 Cox, Kenneth : **139/30**
 Cristini, Marco : **159/2C**, /3-33

Croucher, Dean : **164/5C**, /23
 Culbert, Dick : **144/38C**, /49
 Culos, Roger : **151/29C**
 Cumbleton, Paul : **156/21**
 Dancer, Carol : **139/27**
 Dandois, Philippe : **144/6C**, /12
 Davis, Aaron : **136/2**
 de Groot, J.J. (Sjaak) : **145/2**, /3-11; **148/4**, /9; **149/2**, /93-101; **168/2**, /3-18; **169/47**
 De Raeymaeker, Kris : **133/47-55**
 De Schrevel, Claire : **144/5C**, /8, /12
 de Sousa, Fermi(ano) : **143/2C**, /71-93
 Delavay, Jean Marie : **139/32**
 Denney, Martyn : **141/2**, /55 ; **148/20C**
 Depalle, Frédéric : **146/1C**, /2C, /3-73, /35C
 Depalle, Mathieu : **146/2C**
 Diez Dominguez, Rafael : **146/4D**
 Dolatyari, Alireza : **149/75**, /76, /78, /79C, /80C, /83C, /84C, /85C, /86C, /89; **150/2**, /44, /47C, /47-93, /93C; **151/17**; **160/39**
 Don, David : **156/14**
 Dörfler, Ignaz : **167/15**
 Drake, Jack : **167/15**
 Drew, Ray : **133/6**, /18
 Duby, Jean Étienne : **167/14**
 Duncan, Brian : **165/8**
 Dryden, Kath : **164/34**
 Edwards, Margaret & Anton : **139/19**; **150/2**
 Eijkelenboom, Gerrit : **163/1C**, /2, /3-28
 Elgueta Donoso, Mario Enrique : **138/44**
 Eilertsen, Tom-Ivar : **132/49**
 Elguita, Emma : **144/7C**, /8C, /9C, /12
 Elliott, Jack : **164/34**
 Elvebakk, Arve : **132/3-50**
 Elwes, Carolyn : **164/34**
 Engelmann, Hagen : **133/3C**, /8C, /9C, /17C, /18C; **135/14**, /16C, /17C
 Erminass, Märtinš : **134/19**; **144/91**; **147/16**; **149/90**; **150/92**; **151/17**; **152/29**
 Erol, Osman : **144/2**, /57; **162/31**
 Eschmann, Jacob : **156/37**
 Evans, Alfred : **152/47C**
 Evans, Jon : **156/37C**, /38C, /39C, /42; **164/18C**
 Everett, Diana : **148/4**, /7, /8; **166/4**; **169/31**
 Fainberg, Fernando : **144/50C**
 Fairfax, Louise ([website](#)) : **142/21C**, /30C, /72
 Farkasch, Peter : **156/36**
 Fawkner, John Pascoe : **143/71**
 Fay, M.F. : **148/4**
 Ferreyra, Marcela : **153/8**, /10C, /12, /36
 Fiddes, Roma : **159/33**
 Fielding, John : **133/5**, /18
 Fietz, Thomas : **146/40C**, /41C
 Finnis, Valerie : **164/33**
 Fischer, Hubert A. : **139/5**
 Floden, Aaron J. : **161/1C**, /2C, /3-54
 Flores, Ana Rosa (Anita Watson) : **132/3-50**; **137/2**, /4C, /6C, /7C, /10C, /12C, /13C, /14C, /16C, /17C, /20C, /21C, /23C, /25C, /26, /30C, /32C, /33C, /36, /43C, /45C, /48C, /49C; **144/2**, /3, /7C, /12, /13-53 ; **156/1C**, /3-33, /20C ; **167/2**
 Flores, Miguel : **145/44**
 Fracman-Sapir, Ori : **151/31C**, /32C, /33C, /34C
 Franchet, Adrien R. : **139/32**
 Fritsch, Reinhard : **150/82**
 Gabrielyan, Nora : **150/3**
 Galstyan, Tamar : **144/92**, /93
 García, Nicolas : **144/30C**, /31C, /49; **156/29**
 Gardener, Martin : **144/12**
 Gardner, Chris : **135/1P**, /2C, /20-55; **138/18C**; **141/2**, /46-52; **142/2**, /84-100; **144/93** ; **167/2**, /17-28
 Garmash, Luri : **153/35C**
 Garnock-Jones, Phil : **144/50**
 Garvie, Steve : **139/20** ; **156/46C**
 Gay, Claude : **145/41**
 Geniez, Philippe : **146/27C**
 Gibson, Neil : **142/29**
 Gilad Mor, Rafael : **146/52C**
 Ginns, Ronald : **164/30**
 Godsk, Thorkild : **139/21**
 Gonchar, Sergey : **158/5**, /8
 Goode, Tony : **164/23**
 Gordon, Katherine : **139/27**
 Gould, Geoffrey : **164/37**
 Graham, John : **148/20C**
 Gray, Alec : **143/72**
 Gremlin, August : **167/14**
 Grey-Wilson, Christopher : **147/17**, /19; **161/28**
 Grimshaw, John : **133/18**; **164/11**, /14C, /16, /18C, /19, /20, /23
 Grimshaw, Peter : **164/14**
 Grossheim, Alexander : **147/19**; **148/6**
 Grout, Joan : **164/34**

Grout, Robin : **164/34**
 Grunert, C. : **134/5**
 Guiseppi, Paul : **167/15**
 Güner, Adil : **156/44; 162/20, /29, /30, /31, /32, /40; 165/26, /28**
[Güner, Işık](#) : **156/45C**
 Güner Gardner, Başak : **135/2C, /55; 138/18C; 141/2 ; 156/44 ; 167/2, /17-28**
 Hajman, Martin : **139/17; 148/2, /57, /62, /64C, /65C, /66C; 151/35**
 Halda, Josef : **139/22**
 Haldová, Jarmila : **137/57**
 Hall, Alfred Daniel : **148/3, /39**
 Hall, Tony : **156/46**
 Hance, Henry Fletcher : **139/32**
 Hanslik, Eduard : **162/40**
 Harland, Gail : **139/34**
 Harpke, Dörte : **162/4; 164/2**
 Harvey, M.J. (Joe) : **139/2C, /19-34, /26C**
 Harvey, Marcus : **143/77; 144/65**
 Haselgrove, Celia : **156/5, /9, /33**
 Haselgrove, David : **153/18C; 156/5, /9, /33; 168/2C**
 Hatton-Ellis, Tristan : **155/23; 156/2, /47-59**
 Hayward, Dick : **145/55**
 Heibl, Christoph : **144/5, /12**
 Henderson, Frazer : **159/2, /35, /36, /37; 166/2, /3-18; 169/1C, /2C, /3-19, /20-47; 170/2, /37-46**
 Hendriks, Paul : **141/55**
 Herbert, William : **164/3**
 Hinkley, Dan : **145/49**
 Hodgkin, Eliot : **164/37**
 Hoekstra S. : **168/10**
 Hoffmann, Adriana : **137/19**
 Hofman, Jaroslav : **139/4**
 Holík, Pavel : **142/73, /75; 156/2, /40-41**
 Holubec, David : **148/54C, /55C**
 Holubec, Vojtěch : **138/16; 148/2, /52-66; 151/35**
 Hoog, Michael : **162/18, /20**
 Hooker, Joseph Dalton : **135/3**
 Hooker, William Jackson : **135/3**
 Horák, A. : **139/3**
 Horák, David : **146/73; 148/62**
 Hoy, Trond : **139/31**
 Hynes, Jo : **141/54; 164/4C**
 Ingham, John : **149/72; 150/4; 160/6, /24**
 Ireland-Jones, Chris : **164/34**
 Jalili, Shole : **151/17**
 Janka von Bulcs, Viktor : **139/35**
[Jans, Harry](#) : **139/2C, /39, /41-48; 148/62, /67, /68; 151/35; 154/1C, /2, /3-14, /4C; 168/14**
 Jermyn, Jim : **133/2C, /19-46; 167/15**
 Jones, David : **143/7, /8, /25**
 Jošt, Václav : **133/47-55, /53C, /55C; 141/2, /53C, /54C; 144/91; 147/32C; 148/20C, /33C; 149/90; 150/35, /44, /47C, /48, /92; 152/9, /29, /39; 162/56**
 Jullian, Andrés : **135/5P, /7P; 144/36P, /45P, /48P, /49C**
 Jurášek, Josef : **138/16; 148/53, /55C, /62**
 Kaczmarek, Ingo : **135/14C, /15C**
 Kaldari, Ryan : **151/2C**
 Karlstad, Mari : **132/33C, /49**
 Kashkarov, DN : **169/3**
 Keatley Garvey, Kathy : **153/32C**
 Kelaidis, Panayoti : **132/51-58; 144/93**
 Keller, Gottfried : **163/16**
 Kelly, John : **167/15**
 Kelly, Sue : **153/29C**
 Kenzhebaeva, Nazgul : **169/2C, /3-19**
 Kerbert, J.J. : **135/12**
 Kerndorff, Helmut : **149/79; 150/48; 162/4, /31, /32; 164/2; 165/25, /28**
 Kersten, Uwe : **135/18C**
 Khayyam, Omar : **165/6**
 Khiabani, Sholeh Jalili : **148/20C, /43; 150/44; 160/39; 162/56**
 Kingdon-Ward, Frank : **139/30; 169/47**
 Knoche, Gerd : **167/13**
 Kolbintsev, Vladimir : **141/2C, /9, /24C, /25, /27, /39, /44, /45C; 148/43**
 Komarov, E. : **148/40C**
 Korn, Peter : **166/1C, /2, /19-31**
 Kosina, Petr : **139/14**
 Kossuth, Lajos : **139/35**
 Kostadinov, Ivan : **152/29**
 Králem, M. : **142/81**
 Krasnov, Andrei : **166/7**
 Křivka, Pavel : **148/60**
 Kucherov, M.F. : **148/41C**
 Lacour, Josefina : **135/8**
 Lafong, Cyril : **156/2, /34-36, /37-39**
 Laghi, Paolo : **133/5, /18**
 Lancaster, Roy : **161/30; 164/35; 168/2C**
 Lang, Karel : **148/60, /62, /63**
 Lavandero, Nicholas : **144/12**
 Lawrence, Elizabeth : **155/18C**
[Lazkov, Georgy A.](#) : **140/2, /16C, /19C, /20C, /25; 168/11**

Lear, Edward : **164/38**
 Lemmens, Josef : **148/68C**
 Li Shujuan : **168/24**
 Lidén, Magnus : **150/26**
 Linnaeus, Carl : **144/14; 159/4**
[Little, John](#) : **166/30**
 Llewellyn, Peter : **138/18**
 Lonsdale, John : **155/13, /18, /19C; 164/5**
 Lourteig, Alicia : **144/5**
 Ludlow, Frank : **139/30C, /31; 148/52**
 Mackenzie, Ronald : **164/34**
 McBeath, Ron : **161/36**
 McDonough, Mark : **161/32**
 McMurtie, Alan : **132/51C, /52C, /58C**
 Malekzade, N. : **147/33C, /34C**
 Marr, John : **164/22, /32, /33**
 Marr, Wendy : **164/22**
 Massey, John : **164/36**
 Mathew, Brian : **139/52; 147/30; 149/79; 150/4, /47; 160/5; 162/4, /5, /6, /15, /20; 164/34; 165/33**
 Maw, G. : **162/3, /4, /15, /28, /30, /31**
 Mear, Doreen : **151/29C**
 Meudt, Heidi : **144/50**
 Millward, David : **139/33; 156/36**
 Mitchell, John : **151/35**
 Mitchell, Tom : **155/13**
 Moen, Geir : **154/2, /17**
 Monbaliu, Daniëlle : **133/18**
 Moore, Peter : **141/54**
 Mordak, Helena : **150/3; 160/11**
 Muñoz, Carlos : **156/13, /26**
 Muñoz, Mélica : **156/26**
 Munsey, Alice : **148/20C, /43; 151/17**
 Murray, Mat : **164/23**
 Mussin-Puschkin, Apollos : **150/3; 160/3**
 Nansen, Fridtjof : **164/9**
 Nauman-Horný, Jaroslav : **139/36**
 Naumenko, Alexandr : **140/2, /3-27; 141/22C, /44; 168/11**
 Nicholson, David : **170/2**
 Nieuman, Wiert : **152/33**
 Noble, David W. ([website](#)) : **142/25C, /26C, /36C, /40C, /41C, /44C, /46C, /56C, /57C, /58C, /67C, /68C, /69C, /70C, /71C, /72**
 Nollendorf, V. : **165/7**
 Novoa, Patricio : **132/21C**
 Nutt, Richard : **164/33, /34**
 Obrdlík, Zdeněk : **148/53, /55C**
 Oganezova, Gohar : **147/17**
 Ogisu, Mikinori : **161/30**
 Onel, Daniel : **138/44**
 Owen, Margaret : **164/34, /35**
 Page, John : **169/36**
 Pallas, Peter Simon : **148/37, /39**
 Papapolymerou, George : **152/29; 162/8C**
 Papoušek, Jiří : **138/2, /3-14; 151/35**
 Parker, Bill : **144/50**
 Parker, Gerard : **164/33**
 Pasche, Erich : **134/5; 150/48; 162/4, /31, /32; 164/2, /25; 165/13, /28**
 Pavelin, Roy : **143/93**
 Pavelka, Mojmir : **138/16, /17C**
 Peri, Oron : **133/3C, /4C, /5C, /12C, /13C, /18; 144/64; 146/10C, /54C; 151/29C, /30C, /31C; 152/29**
 Persson, Jimmy : **144/64, /66; 162/32, /46**
 Persson, Karin : **136/3, /7, /8; 144/64, /66; 147/17, /19, /20**
 Peşmen, Hasan : **156/44; 160/5, /6**
[Peters, Jürgen](#) : **168/31**
 Peterson, Peter : **132/20C**
 Petterson, Helga : **144/37C; 156/5, /9, /33**
 Pilous, Vlastimil : **139/2C, /35-40, /49-58; 142/2, /73-83; 151/2, /24-34; 152/29; 162/11**
 Pinto, Raqual : **144/12**
 Pliny the Elder : **159/4**
 Poeppig, Eduard : **145/20**
 Polívky, Mr : **142/73**
 Popova, Irina : **169/47**
 Popp, Magnus : **150/26**
 Potanin, Grigorij Nikolajevic : **139/33**
 Prance, Ghilleán : **140/2**
 Prins, Pieter : **156/58**
 Probst, Darrell : **161/30**
 Proudfoot, Phillipa : **139/27**
 Rechinger, K. : **148/19**
 Regel, Eduard (von) : **166/7**
[Řeháček, Zdeněk](#) : **146/2, /66; 151/2, /19-23; 155/2, /21-23**
 Reiche, Carlos : **153/16D**
 Reiche, K. : **145/41**
 Renton, Dorothy : **133/21**
 Repnow, Anne : **164/9, /22, /23**
 Rix, Martin : **140/5 ; 150/4 ; 160/5 ; 169/32**
 Robinson, Allan : **164/7, /8, /10, /19, /22, /23**
 Robinson, Jenny : **164/37**
 Rocca de Bruhn, E. : **153/36**
 Rock, Joseph (Josef Franz Karl) : **139/19, /21C**

Rodionenko, G. I. : **165/23**
 Rolfe, Jeremy R. : **134/46C, /47C**
 Rolfe, Robert : **164/1C, /2, /24-38; 167/1C, /2, /3-16**
 Rosas, Marcelo : **132/44C, /49**
 Rosei, Pietro : **151/17**
 Rossow, Ricardo : **153/8, /36**
 Rukšāna, Guna : **134/19; 144/91; 147/16; 151/17; 165/2**
 Rukšāns, Jānis : **113/51-70; 133/47, /55; 134/3-19; 137/2C; 141/2C, /3-45; 142/81; 144/2, /54-91, /65C, 90C; 147/2, /3-16, /17-41, /37C; 148/2, /3-51, /20C; 149/2, /70-90; 150/1C, /2, /3-46, /47C, /47-93; 151/1C, /2, /3-18; 152/1C, /2, /3-30; 160/1C, /2C, /3-41; 162/1C, /2, /3-57; 164/14, /15C; 165/1C, /2C, /3-35, /5C, /14C**
 Saavedra, Christian : **144/48C**
 Salami, Alireza : **149/72, /74C, /75C**
 Salter, Terence M. : **144/5**
 Samad, Nour Abdel : **146/5**
 Samaras, Theodoros : **144/2, /80, /83C, /88C, /90C, /91**
 Sanders, Chris : **164/35**
 Santos, David : **144/1C, /2, /13-53, /14C, /40C, /41C, /42C, /43C, /44C, /51C**
 Santos Cisternas, Eric : **144/49**
 Sapir, Yuval : **146/5**
 Sargent, Charles Sprague : **139/20**
 Sason, Miriam : **146/54C**
 Sastre, Toni : **133/10C, /18**
 Saunders, Rachel : **149/91, /92C**
 Saunders, Rod : **149/91, /92C**
 Schmidt, Jeremy : **152/35**
 Scoones, Maria Cecilia : **145/34D, /39P, /44**
 Seisums, Arnis : **134/3C, /19; 136/72C; 147/16, /37C, /38, /39; 148/6, /9; 150/26; 160/22; 162/56**
 Sekerka, Pavel : **139/2C, /3-18**
 Seth, Kenton : **148/2, /69, /70**
 Shahak, David : **146/3, /54C**
 Sharman, Joe : **164/32**
[Shaw, Julian](#) : **144/2, /3-12; 145/2, /48-57**
 Sheader, Martin : **134/43C; 140/1C, /2, /28-68; 153/8, /12, /36; 154/2, /20-35, /30C; 156/25**
 Shelley, Stephen : **166/2**
 Sherriff, Betty : **139/30**
 Sherriff, George : **139/30C**
 Silina, Zinaida : **148/3, /7, /8**
 Simpson, Sue : **152/35**
 Sinclair, Jamie : **133/20C**
 Sivers, Annette : **164/34C**
 Sivers, Mike : **164/27**
 Skelmersdale, Chris : **164/34**
 Skottsberg, Carl : **145/42**
 Slovinský, Tomáš : **137/52C**
 Smith, Connor : **134/41-47; 146/2, /67-73; 152/2C, /31-58; 154/2, /15-16**
 Smith, Harry : **148/52**
 Smyth, Mark : **164/6C, /23**
 Soják, Jiří : **138/15**
 Sözen, Ibrahim : **162/15, /31, /56**
 Speta, Franz : **160/10, /11**
 Spray, Diane : **153/35C**
 Spriggs, Paul : **148/2, /69**
 Stanley, Beatrix : **164/33**
 Šťásek, Zdeněk : **139/41**
 Stefanov, Boris : **147/17**
 Sternberk, Kašpar Maria : **139/49**
 Stevens, Norman : **134/4, /5; 151/17; 160/22; 162/40; 167/15**
 Stivín, Karel : **139/37**
 Stonor, Jamus ([website](#)) : **143/2C, /3-50**
 Strange, Kit : **156/46C**
 Strid, Arne : **144/64, /66, /91; 152/29**
 Sundbø, Augusta Hlin Aspar : **132/49**
 Sutton, Ian : **164/37**
 Sutton, Julian : **161/30**
 Syrgat, Nuraiym : **169/47**
 Taleb, Ali Adnan : **146/33C**
 Tanev, Atanas : **152/29**
 Tang Shimei : **168/19**
 Thomsen, Rita : **164/10, /23**
 Tian Daikē : **168/1C, /19-31**
 Timmerman, Mariette : **135/19C; 164/16, /17, /23**
 Tjeerdsma, Gerben : **134/19; 147/37C, /39; 162/56**
 Tomlinson, A. J. : **147/30**
 Tommasini, Muzio Giuseppe Spirito de : **156/35; 164/3**
 Toolan, Pat : **143/77**
 Topfield, Matt : **141/55C**
 Treba, Nikolai : **141/29**
 Trekhtsvetaya, Fialka : **153/23C**
 Tvarůžek, Fr. : **139/3**
 Van Bogaert, Hendrick : **146/18C**
 Van Buiten, Gerard : **134/41C, /42C; 146/67-73**
 van den Beuken, Ger : **148/67-68; 154/2,**

- /15, /16-17
[van den Brink, Marijn](#) : **132/14C**; **144/33C**,
/36C; **145/2**, /6, /8, /11C; **149/17**, /96,
/98, /101C
Van Scheepen, Johan : **135/12**
van Zwienen, Kees Jan : **144/64**, /65;
145/11C; **149/94C**, /101C
Venter, Stephanus : **142/25**
Vickery, Kurt : **141/26**, /45C
Volis, Sergei : **146/5**
von Bieberstein, Marschall : **141/25**
von Bohlen, Christian : **132/3-50**
von Stein Zeppelin, Helen : **139/5**
von Steven, Christian : **147/18D**
Vvedensky, Aleksei : **148/3**, /4, /6, /7, /8
Walek, Kristl : **155/23**
Wallis, Rannveig : **162/7**
Wallis, Robert : **141/23C**, /26, /44; **148/43**;
156/42, /44; **162/7**
Warburg, Primrose : **164/33**, /34
Ward, Marshal : **139/30**
Watson, Anita (Ana Rosa Flores) : **135/2**,
3-10; **137/2**; **138/2**, /19-44, /19C; **145/2**,
/12-48; **153/2**, /3-40; **156/2**; **167/2**
Watson, John Michael : **132/3-50**; **135/2**,
/3-10; **137/2**, /3-53, /10C, /20C, /21C,
/25C, /30C, /45C, /49C, /50C, /51C; **138/2**,
/19-44; **144/2**, /3C, /4C, /7C, /9C, /10C,
/11C, /12C, /13-53; **145/2**, /12-48; **153/2**,
/3-40; **156/2**, /3-33, /5C, /8C; **167/2**
Watt, Penny : **167/13**
Watt, Peter : **167/13**
Weagle, John : **159/34**, /35
[Webb, Philip Barker](#) : **159/4**
Weiss, Rudi : **138/15C**, /16C
Wendelbo, Per : **148/9**; **150/48**
West, George : **152/35**
White, Jill : **148/43**
White, Robin : **156/38**
Wikström, J.E. : **141/25**
Wilhelms, D. : **147/18**
Willis, Tony : **164/38**
Wilson, Carol A. : **146/5**
Woronow, G. : **149/79**
Woronow, Jurij : **147/19**
Wright, Anne : **155/1C**, /2, /3-12; **163/2**,
/29-48
Wyatt, Oliver : **164/28**
Wynn-Jones, Bledwyn : **145/2**, /48-57
Yevseyenkov, P. : **148/41C**
Yildirim, Hasan : **150/4**; **160/7**, /23
Young, Adrian : **168/2C**, /19-31
Young, J. Ian : **138/2**, /3-14; **144/2**, /92-93;
148/69-70; **153/2**, /41-58, /58C; **158/1C**,
/2
Young, Margaret ([IRG editor](#)) : **139/32**;
153/2, /41-58, /45C; **156/2**; **158/2**
Yuzbaşıoğlu, S. : **165/26**
Zenin, Sergei : **140/15C**, /23, /25; **141/41C**,
/42C, /44
Zetterlund, Henrik : **134/3C**, /19; **144/91**;
147/2, /3-16, /32, /37C, /38, /39;
148/20C; **152/29**; **160/7**, /22; **162/32**, /41,
/46, /56; **165/26**
Zois, Karl von : **167/15**
Zonneveld, Ben J.M. : **145/2**, /3-11; **148/3**,
/4, /39; **149/2**, /93-101; **150/4**; **166/5**;
168/2, /3-18
Zschummel, Dieter : **148/62C**
Zubov, Dimitri : **90/2-13**; **99/22-36**; **113/51-**
70; **123/3-42**; **136/2C**, /3-84; **140/2**, /3-27;
141/2C, /3-45; **147/2**, /17-41; **148/2**, /3-
51, /20C; **150/2**, /3-46, /92; **151/17**;
152/2, /3-30; **158/2**, /5-11; **160/2C**, /3-41;
162/2, /3-57
Zuccarini, Joseph : **150/5**
Zvolánek, Zdeněk : **133/2C**, /47-55; **138/15-**
18, /15C; **141/2**, /53-55; **146/73**; **148/2**,
/69, /70; **151/35**; **153/45**; **156/2**, /42-46
perlite : **148/67**, /68; **162/60**
perlite/vermiculite mix (seed sowing) : **136/5**,
/6C
Peru, Ancash Region : **138/31**; **153/12**
— Huarez, Cordillera Blanca : **154/13**, /27,
/32, /34
— — — Abra Tunel de Kahuish : **154/10**
— — — Carretera Pastoruri : **154/3C**, /4,
/5C, /6, /29, /30
— — — Chicarhuapunta Pass : **154/6**
— — — Llanganuca Pass : **154/28**
Arequipa Region, Arequipa to Chivay :
154/12
— Mirador de los Andes : **154/9**, /12
— nr Laguna Saraccota : **154/7**
Cusco Region, Ábra Málaga : **154/8**
— Sacred valley (Urubamba) : **154/33**
— Tambomachay : **154/10**
Perezia nutans (Asteraceae) : **144/22**
Perideridia parishii subsp. *latifolia* : **170/16**
permaculture : **169/2**
pesticides : **165/18**
— effect on **Fritillaria** : **165/18**

pet dandelion : **153/56C**
Petrorchis : **143/25**
Phacelia brachyantha : **138/24**
 — quickii : **170/28**
 — stebbinsii : **170/27, /28**
Phalacrocorax brasilianus (Brazilian or Black
 Cormorant) : **137/38C**
Pharochilum : **143/25**
Phebalium bullatum : **143/91C**
Pheladenia deformis : **143/8C**
Phelypaea tournefortii : **135/29C, /31**
Philadelphus coronarius : **142/93**
 — lewisii : **142/93**
Phlox diffusa : **170/12C**
 — paniculata 'Light Pink Flame' : **137/13C**
Phoenix canariensis : **159/23**
 phrygana : **144/80, /82, /83C; 149/76; 150/34,**
/73, /80; 163/20, /21, /22, /24
 Phrymaceae, **Erythranthe** : **144/14**
 — **Mimulus** : **144/14**
Phycella arzae : **138/24**
 — chilensis : **145/13, /14C**
 — cyrtanthoides : **138/24**
 — herbertiana : **156/29**
Phylidonyris novaehollandiae (New Holland
 Honey-eater) : **143/93C**
Phyllachne colensoi (Yellow Cushion Plant) :
142/58C
Phyllophyton complanatum : **148/57**
Physaria alpestris : **151/21C**
 — alpina : **151/21C**
 — arizonica : **151/19C, /21**
 — bellii : **151/23C**
 — chambersii : **151/22C**
 — eburniflora : **151/22C**
 — rollinsii : **151/23C**
Physoplexis : **139/42C**
 — comosa : **167/12**
Picea orientalis : **147/28**
 — schrenkiana : **169/6, /27**
 — smithiana : **135/52**
Pimelea sericea (Mountain Rice Plant) :
142/59C, /60C
Pinus contorta subsp. murrayana (Lodgepole
 Pine) : **170/6, /7, /9, /10, /14, /15, /16, /18,**
/20, /23, /24, /26, /29, /30, /31, /34, /35
 — jeffreyi (Jeffrey Pine) : **170/3, /20, /31**
 — lambertiana (Sugar Pine) : **170/3, /15, /31**
 — nigra subsp. pallasiana : **162/31**
 — radiata : **143/30C**
 — sylvestris : **169/6**
 pipevine (**Aristolochia**) : **151/2**
Plagiogyria euphlebia : **145/55**
Planocarpa petiolaris (Alpine Cheese Berry) :
142/59C, /60C
 Plantaginaceae, **Antirrhinum** : **144/14**
 — **Digitalis** : **144/14**
 — **Ourisia** : **144/14**
Plantago arborescens : **152/52**
[Plantarium](#) plant galleries & identification
 guide (Russian) : **141/25**
Platanthera, germination : **156/54**
 — dilitata : **142/87, /96**
[Plants of the World Online \(POWO\)](#) : **151/21**
Pleione limprichtii : **133/30C**
Plumatichilos : **143/25**
Poa secunda subsp. secunda (One-Sided
 Bluegrass) : **170/11, /12C, /22, /28**
 — spp. (Kazakhstan) : **166/4**
Podanthus mitique (Asteraceae) : **132/25**
Podiceps grisegena (Red-necked grebe) :
169/16
Podolepis lacinata : **143/64C**
 — robusta (Alpine Podolepis) : **143/62C**
Podranea ricasoliana (Bignoniaceae) : **137/10,**
/11C
 POLLINATORS
 ants : **132/27, /40C, /41C**
 bees : **132/11**
 beetles : **132/27, /41C**
 bull-ant (**Myrmecia** sp.) : **143/19, /20C**
 fly (**Mitrodetus** dentitarsus) : **138/25**
 fungus gnats : **143/45C**
 hummingbirds : **132/11, /23; 144/46, /47;**
152/37
 hummingbird-attracting mutualism :
144/47C
 New Holland Honey-eater : **143/93C**
Oreotrochilus leucopleurus (White-sided
 Hillstar Hummingbird) : **144/47, /48C**
 Thynnid wasps : **143/7**
 — of **Viola**, **Aglais** io (European peacock
 butterfly) : **153/28C**
 — — **Apis** mellifera (honeybee) : **153/32C**
 — — **Bombus** dahlbomii (Argentine native
 bumblebee) : **153/33C**
 — — — hortorum (garden bumblebee) :
153/29C
 — — — impatiens (North American
 Bumblebee) : **153/29C**
 — — **Caupolicana** fulvicollis (native Chilean
 bee) : **153/27C**

Pollinators of **Viola**, **Melolontha melolontha**
(soft-winged flower beetle) : **153/28C**

— — **Yramea cytheris** (Southern fritillary
butterfly) : **153/25**

pollinator-mediated selection, as driver of
angiosperm evolution : **153/30**

Polygonatum (Asparagaceae) : **161/2**, 3-54

— [a pictorial guide](#) (SRGC Forum thread) :
161/2

— sect. **Polygonatum** : **161/53**

— sect. **Sibirica** : **161/54**

— sect. **Verticillata** : **161/53**

— series **Bracteata** : **161/6**

— series **Grandiflora** : **161/53**

— series **Oppositifolia** : **161/53**

— series **Punctata** : **161/53**

— germination : **161/36**, /53

— taxonomy : **161/3**

— **acuminatifolium** : **161/31**, /32

— — perianth : **161/31C**, /32

— — 'Wolong' : **161/30**

— **adnatum** : **161/30**, /31, /32

— **agglutinatum** : **161/48**

— **amabile** : **161/39C**

— **angelicum** : **161/51C**, /52

— **anhuiense** (= *P. zanlanscianese*) : **161/22**

— **annamense** BSWJ9752 : **161/41C**

— **arisanense** : **161/7**

— **autumnale** : **161/50C**, /52, /54

— **biflorum** : **161/1C**, /3C, /4C, /5C, /16, /19

— — TN, Campbell Co., Mt. Rd. : **161/6C**

— — giant form, TN, Blount Co., Little River
Rd. : **161/5C**

— — — TN, Knox Co. : **161/5C**

— — — — rhizome : **161/5C**

— — JOPCO-KS rhizome : **161/4C**

— — variation : **161/6**

— — var. **commutatum** : **161/3**

— **bulbosum** : **161/24**

— **campanulatum** : **161/54**

— **cathcartii** : **161/53**, /54

— aff. **cathcartii** : **161/20C**

— **caulialatum** : **161/17C**, /42C

— **cirrhifolium** : **161/48**

— **costatum** : **161/53**

— — BSWJ 6599 : **161/40C**

— **cryanthum** : **161/6C**, /7C

— **cyrtanema** : **161/7**, /15, /31, /44C, /45C,
/53

— — CPC01.4.29.1, perianth : **161/43C**, /44C

— — purple leaf : **161/7C**

— — purple peduncle : **161/8C**

— **ericoideum** : **161/48**

— **erythrocarpum** : **161/22**

— **esquirolii** : **161/48**

— **falcatum** : **161/9**

— — HC970662 : **161/9C**

— — silver striped : **161/9C**

— **filipes** : **161/10C**

— **franchetii** : **161/54**

— aff. **fuscum** : **161/20C**

— **gongshanense** : **161/54**

— **graminifolium** : **161/28**, /30

— — GWP803 : **161/29C**

— **grandicaule** : **161/18**

— **hirtum** (= *P. latifolium*) : **161/11C**

— — as *P. obovatum* : **161/11C**

— **hookeri** : **161/29**, /30

— **huanum** : **161/48**, /50, /53

— aff. **huanum**, perianth : **161/49C**

— **humile** : **161/12C**

— × hybridum 'Grace Barker' : **161/13C**

— **inflatum** : **161/30**, /32

— — 'Cheju Giant' : **161/13C**

— **infundiflorum** (= *P. odoratum* 'Lemon
Seoul') : **161/18**

— **kansuense** : **161/30**, /36

— **kingianum** : **161/13C**, /14C, /48, /53

— 'kingianum', perianth : **161/50C**

— **kungii** (= *P. zanlanscianese*) : **161/22**

— **lasianthum** HC970391 : **161/14C**, /15C

— **lebrunii** : **161/24**

— **luteoverrucosum** : **161/51C**, /52

— **macranthum** : **161/9**

— **macropodium** CY, flowers : **161/15C**

— **marmoratum** : **161/26**

— **mengtzensense** : **161/54**

— — BSWJ551 : **161/40C**

— **multiflorum** : **161/15C**

— — 'Multifida' : **161/16C**

— — **ramosissimum** : **161/41C**

— — f. **ramosum** : **161/16**

— **nodosum** : **161/31**, /43, /53C

— 'nodosum' ex Chen Yi (= *P. cyrtanema*, small
form) : **161/16C**

— **odoratum** : **161/10**, /14, /17

— — 'Flore Pleno' : **161/17C**

— — S-66 ex Chen Yi : **161/17C**

— — *sensu lato* : **161/18**

— — 'P. pluriflorum' : **161/18**

— — 'P. thunbergii' : **161/18**

— **omeiense** : **161/30**, /31, /32

Polygonatum oppositifolium BSWJ2537 :
161/34C

- — — filament : **161/35C**
- — — perianth : **161/35C**
- orientale (polyanthemum) FS364 : **161/38C**
- — — perianth : **161/38C**
- — SB-1 (Pyatigorsk) perianth : **161/39C**
- prattii : **161/18C**
- — ex M Goetz : **161/37C**
- — — perianth : **161/37C**
- pubescens : **161/16, 19, /20C, /47C**
- — 'Feather Boa' leaf : **161/19C**
- aff. pubescens, filament : **161/48C**
- — perianth : **161/47C**
- pumilum : **161/29, /30**
- punctatum : **161/20C, /28**
- 'punctatum' aff. P. marmoratum : **161/26C**
- — ex Chen Yi (aff. 'P. tonkinense') : **161/33**
- quinghaiense : **161/29**
- roseum : **169/9, /10C**
- 'roseum' SBQE1310 : **161/36C**
- sibiricum : **161/22, /54**
- simizui : **161/17, /18**
- — separation from P. odoratum : **161/18**
- sp. CY-S-76 : **161/42C**
- — perianth : **161/43C**
- sp. Ogisu 94047 (= P. yunnanense) : **161/30C, /31, /32**
- stenanthum (= P. falcatum) : **161/9**
- stewartianum CLD325 : **161/46C**
- — — filament : **161/46C**
- — — perianth : **161/47C**
- tonkinense (syn. Disporopsis longifolia, P. mengtzense) : **161/32, /40**
- trinerved : **161/23**
- tsinlingense : **161/54**
- undulatifolium : **161/54**
- urceolatum : **161/28C**
- — CY-S-222 : **161/32C, /40**
- — — filament : **161/33C**
- — — perianth : **161/33C**
- verticillatum 'Rubrum' : **161/21C**
- yunnanense : **161/31, /32, /54**
- — perianth : **161/31C**
- zanlanscianense : **161/20, /22, /23**
- 'zanlanscianense' (aff. P. fuscum; green/purple-brown flowering) CY-S-143 : **161/22C**
- — — filament : **161/25C**
- — — perianth : **161/25C**
- — — = 'sp. 2' : **161/26C**

— — aff. P. bulbosum/P. lebrunii (white-purple flowering) : **161/22C, /23C**

— — — filament : **161/24C**

— — — leaf, adaxial : **161/25C**

— — — perianth : **161/24C, /25C**

Polystichum falcaticarpum : **145/55**

— hancockii : **145/55**

— parvipinnulum : **145/55**

— xiphophyllum : **145/56**

Ponerorchis cucullata : **156/48**

— tominagae : **145/56**

Populus tremuloides (Quaking Aspen) :
170/29C

— sp. : **141/25**

Portugal, Madeira : **159/4**

Potentilla biflora : **135/51, /52C**

— flabellifolia : **170/20C**

— lignosa : **138/2C, /15-18, /15C, /16C, /17C, /18C, /18L**

— — achene : **138/16**

— — cultivation : **138/18**

— — distribution : **138/15**

— — seed : **138/16**

Pouyannian mimicry : **143/7**

Pozoa volcanica : **145/26, /28C**

Prangos pabularia : **169/15, /19C**

— uloptera : **150/14, /20, /30**

prangos-ferula meadows (Kyrgyzstan) : **169/8, /15, /19C**

pricking out seedlings : **162/2**

Primula algida : **135/39C; 169/30**

— allionii (Utrecht BG) : **152/33**

— chionantha : **135/49C, /50**

— deflexa : **135/44**

— dryadifolia : **135/44, /47C**

— fedtschenkoi : **135/34C, /35**

— flaccida : **133/36C**

— frondosa : **155/2, /21-23, /21C, /22C, /23C**

— marginata hybrid 'Coningsby Blue' : **164/37**

— — 'Coningsby Queen' : **164/37**

— — 'Linda Pope' : **164/37**

— obonica : **164/37**

— minkwitzsiae : **135/39C**

— minutissima : **135/53**

— munroi : **135/50**

— nivalis : **135/41**

— reidii : **135/52, /53C**

— rosea : **135/54C, /55C**

— secundiflora : **133/36C; 135/42, /43C**

— sikkimensis : **133/36C; 135/42, /43C, /50**

— sp. (Iran, Gilan) : **160/32**

- Primula spectabilis** : 167/7
 — vulgaris subsp. sibthorpii : 164/25, /26C
 — whitei : 133/30C
 — zambalensis : 135/44
Prunus 'Amanogawa' : 164/36
 — divaricata : 141/26; 169/6
 — emarginata (Bitter Cherry) : 170/13, /26
 — lycioides : 150/14
 — sogdiana : 169/6
 — tianshanica : 140/12, /23
Psathyrostachys fragilis : 150/14, /20, /30, /34
Pseudomuscari : 134/3; 147/3, /4
Pseudotsuga taxifolia : 169/6
 psychophily (pollination by **Lepidoptera**) : 153/31
Psychrophila introloba (syn. **Caltha introloba**, Alpine Marsh Marigold) : 143/58C
 — sagittata, habitat : 156/16C
Pteridium aquilinum var. **Pubescens** (Western Bracken Fern) : 170/14, /18, /22
 — esculentum : 143/4
 pteridophytes : 170/38
Pteris nervosa : 145/55
 — wallichiana : 145/55
Pterostylis, taxonomic revision : 143/25, /26
 — cucullata : 143/31C, /32C, /49
 — — xnutans natural hybrid : 143/49C
 — curta (Blunt Greenhood orchid) : 143/24C
 — nutans : 143/33C
 — pedunculata : 143/33C
 — plumosa (syn. **Plumatichilos extensus**) : 143/26C, /27C
 — pusillus (syn. **Oligochaetochilus pusillus**) : 143/25C
 — vereenae (syn. **P. foliata**) : 143/30C
 — lawrencei (Sage Cushion Plant) : 142/8C, /37C, /60C, /61C
 — — in cultivation : 142/61C, /63C
 — — resemblance to **Raoulia** : 142/62C
Ptilotrichum spinosum : 138/13C
Pulsatilla alpina : 167/4
 — integrifolia : 166/24C
 — vernalis : 166/24C
 — zimmermannii : 166/25C
 pulvinic acid : 166/13, /14
 pumice : 148/68; 166/29
Puschkinia : 160/2
 — centre of speciation : 150/4, /43
 — distribution map : 150/11C
 — key : 150/41-43; 160/28
 — separation from **Scilla** : 160/3
 — taxonomy : 150/12-13; 160/3
 — advayana : 160/1C, /11, /12C, /13C, /14C, /15*, /20, /24, /28
 — — 17IRS-048 : 160/13, /14, /23, /24C
 — — 22IRS-082 (holotype RIG!) : 160/13, /14, /15, /20C
 — — bracts : 160/17C
 — — bulb : 160/19C
 — — — tunic : 160/19C
 — — colour forms *in situ* : 160/13, /15C
 — — conservation status : 160/22
 — — corona : 160/18C
 — — distribution : 160/20, /21C, /28
 — — etymology : 160/22
 — — flower structure : 160/19C
 — — flowers, inflorescence : 160/16C, /17C, /18C, /21C
 — — habitat : 160/20
 — — holotype : 160/13
 — — phenology : 160/22
 — — separation from **P. peshmenii** : 160/18
 — cf. advayana BATM/BATMAN-250 : 160/21C, /22, /26C
 — — — as **P. peshmenii** 'Jim Archibald' : 160/22
 — — — inflorescence : 160/21C
 — — — separation from **P. peshmenii** : 160/23
 — avromanica : 150/12, /13-15*, /27, /35, /38, /39, /42; 160/28
 — — 18IRS-026 : 150/12, /15C, /16C, /20C, /21C, /22C, /40C; 160/8C
 — — 22IRS-097 : 150/23C
 — — WHIR-185 : 150/13
 — — bulbs : 150/18C
 — — characteristic style : 150/17C
 — — conservation status : 150/15
 — — distribution : 150/11C, /14, /19C, /43, /44; 160/28
 — — etymology : 150/15
 — — flower : 150/21C
 — — fruits : 150/18C, /23C
 — — habitat : 150/14, /19C, /20C
 — — holotype (GB!) : 150/21C
 — — isotype (RIG!) : 150/22C
 — — phenology : 150/15
 — — seeds : 150/21C
 — — separation from **P. scilloides** : 150/14, /24
 — bilgineri (syn. **P. kurdica**) : 150/4, /6C, /41,

- /42; **160/5**, /7, /28
- Puschkinia bilgineri** JRRK-058 : **160/6C**
- — distribution : **150/43**, /44; **160/27**
 - — separation from *P. scilloides* : **160/7**
 - — hyacinthoides : **150/5**; **160/3**
 - — WHIR-126 : **160/4**
 - — kurdistanica : **150/4**, /42, /43; **160/28**
 - — — BATM-060 : **150/6C**; **160/7C**, /8
 - — — as *P. peshmenii* : **160/7**
 - — distribution : **150/43**, /44; **160/27**
 - — separation from *P. peshmenii* : **160/8**
 - — latifolia : **150/12**, /24C, /28, /29-30*, /31, /42; **160/8**, /28
 - — bracts : **150/33C**
 - — bulbs : **150/33C**
 - — conservation status : **150/30**
 - — distribution : **150/11C**, /30, /43; **160/28**
 - — etymology : **150/30**
 - — flower : **150/31C**, /32C
 - — fruits : **150/32C**
 - — habitat : **150/30**
 - — holotype (GB!) : **150/28C**
 - — leaf : **150/26C**, /27C
 - — phrenology : **150/30**
 - — seeds : **150/32C**
 - — separation from *P. scilloides* : **150/30**
 - — SLIZE-066 (N Iran, Central Alborz) : **150/25C**, /26, /27, /28; **160/9C**
 - — libanotica (syn. *P. scilloides*) : **150/5**; **160/3**
 - — parvula : **150/12**, /36, /37-38*, /42; **160/8**, /28
 - — 18IRS-060B (NW Iran, W Mahabad) : **150/34**, /37C, /40C
 - — 22IRS-050 (NW Iran, W Agh Bolagh) : **150/44C**
 - — 22IRS-077 (NW Iran, Lake Urmia basin) : **150/35**, /36C; **160/10C**
 - — conservation status : **150/39**
 - — distribution : **150/11C**, /39, /41C, /43, /44; **160/28**
 - — etymology : **150/39**
 - — fruits : **150/38**, /39C
 - — habitat : **150/34C**, /39
 - — holotype (RIG!) : **150/36C**
 - — phrenology : **150/39**
 - — seeds : **150/38**, /39C
 - — separation from *P. avromanica* : **150/38**
 - — separation from *P. scilloides* : **150/38**
 - — peshmenii : **150/41**, /43; **160/6**, /13, /14, /22, /28
 - — Rix et al. 1624 : **160/5C**, /6, /24C
 - — — flower structure : **160/26C**
 - — — flowers : **160/25C**
 - — Rix et al. 1926 : **160/5**, /6, /21C
 - — — [herbarium sheet](#) : **160/6**
 - — peshmenii s.l. : **150/4**, /5C
 - — cf. peshmenii (22IRS-082) : **150/5**, /7C
 - — distribution : **150/4**, /43, /44; **160/21C** /27
 - — scilloides : **135/28C**; **150/3**, /5, /26, /27, /34, /38, /39, /42, /43; **160/3**, /5, /6, /7, /22, /23, /27, /28
 - — distribution : **160/27**
 - — inflorescence : **160/4C**
 - — scilloides s.l., distribution : **150/5**, /11C, /43, /44
 - — scilloides (Armenia, Zangezur Mts.) : **150/10C**, /24
 - — 14ARM-037 (Armenia, near Vanadzor) : **150/24**
 - — 14ARM-042 (Armenia, near Geghard) : **150/24**
 - — 18IRS-072B (NW Iran, Kuhha-ye Sabalan) : **150/9C**, /13, /24, /26
 - — BATM-089 (Turkey, Güzeldere Pass) : **150/24**
 - — BATM-148 (Turkey, Tendürek Pass) : **150/7C**, /24
 - — CMGG-028 (Georgia, Devdaraki valley) : **150/9C**, /24
 - — KPPZ 90-221 (Turkey, Tunceli-Erzincan) : **150/7C**, /30
 - — WHIR-126 (NW Iran, Kūhhā-ye Jālesh) : **150/8C**, /13, /24, /26, /30
 - — — leaf : **150/27C**
 - — WHIR-151 (NW Iran, Takht-e Soleyman Massif) : **150/10C**, /24
 - — sp. nova (Iran, West Azerbaijan Province, Oshnavieh) : **149/76**
- Puya chilensis** : **143/93C**
- — raimondii : **154/3**, /4C, /5
 - — habitat : **154/3C**, /5C
 - — pollination : **154/5**
- Pyrorchis nigricans** : **143/47C**
- Pyrus korshinskyi** : **169/6**
- quartzite : **142/41**
- Quaternary deposits : **140/3**
- Quercus kelloggii** (California Black Oak) : **170/9**, /10
- — macranthera : **150/30**; **160/32**
 - — robur : **169/6**
 - — vacciniifolia (Huckleberry Oak) : **170/9**, /20,

- /33, /34
 raised slab beds : **153/2C**, /41-58
 — covers : **153/42**, /43, /44, /**51C**
 raised vegetable bed : **134/29C**
Ramonda : **139/37**, /38, /46
 — (Utrecht BG) : **152/33**
 — myconi : **139/41**, /44, /46
Ranorchis : **143/25**
Ranunculus glacialis : **164/33**
 — gunnianus (Gunn's Buttercup) : **142/63C**
 — occidentalis var. ultramontanus (Western Buttercup) : **170/26**
 — orthorhynchus var. orthorhynchus (Straight-beaked Buttercup) : **170/22**
 — sp. (NW Iran) : **150/14**
Raoulia australis : **153/43**
 — eximia : **154/5**
Restio australis : **142/5**
Rheum nobile : **135/47C**, /49
Rhipsalis baccifera : **137/5**, /6C
Rhodanthe anthemoides (Chamomile Sunray) : **143/70C**
Rhodiola rosea : **170/41C**
Rhododendron 'Tortoiseshell Orange' : **137/8C**
 — arboreum 'Tony Schilling' : **133/33C**
 — edgeworthii : **133/33C**
 — keleticum 'Rock's form' : **153/44**
 — wardii : **135/42**, /**43C**
Rhodohypoxis baurii : **153/44**
Rhodophiala andina : **132/23C**
Ribes roezlii var. roezlii (Sierra Gooseberry) : **170/13**
Rosa (Hybrid Tea) 'Mountbatten' : **137/13C**
 — — 'Sugar Moon' : **137/12C**
 — (Polyantha) 'Smoke Rings' : **137/12C**
 — banksiae : **134/35C**
 — beggeriana : **169/7**
 — damascena, in Aleppo Market, Syria : **146/34C**
 — kokanica : **169/7C**
 — laxa : **169/7C**
 — platyacantha : **141/24**, /25
Roscoea 'Snowy Owl' : **133/42C**
 — purpurea 'Royal Purple' : **133/41C**
Rosularia glabra : **166/13C**
 Roundup (glyphosate) : **165/21**
Rubus : **134/41-47**
 — geiodes : **134/43C**, /**44C**
 — gunnianus (Alpine Raspberry) : **134/45C**, /**46C**; **142/64C**
 — nepalensis : **134/41C**
 — parviflorus (Thimbleberry) : **170/23**
 — parvus ('Creeping Lawyer') : **134/42C**, /**43C**
 — squarrosus : **134/46C**, /47C
 — taiwanicola : **134/42C**, /45
 — × barkeri : **134/43C**
 Russia : **141/25**
 Black Sea area, Krasnaya Polyana : **147/35**
 — Krasnodar Territory : **147/35**, /39
 Penza Region : **141/29**
 Volgograd : **148/15**, /30, /38, /39, /40, /41
 — formerly Tsaritsyn : **148/38**
 rust (**Uccinia** sessilis) : **133/18**
 St. Petersburg Academy of Sciences : **150/3**
Salix herbacea (Least Willow) : **170/44C**
Salvia caespitosa : **135/22**
 — limbata : **150/14**
 sand bed : **166/19C**, /**20C**, /**24C**, /**25C**, /**27C**, /**28C**, /**29C**, /**30C**
 — — alternative substrates : **166/29**
 — — biodiversity : **166/30**
 — — design : **166/23-24**
 — — fertilisation : **166/26**
 — — maintenance : **166/28-29**
 — — mycorrhizae : **166/22**, /25, /26, /29
 — — particle size : **166/21**
 — — plant choice : **166/23**
 — — planting : **166/25**
 — — planting for the future : **166/31**
 — — rock garden : **166/24**
 — — suitability : **166/20**
 — — watering & moisture retention : **166/21-22**, /27-28
 — coarse : **165/9**, /10
 — growing in : **166/19-31**
 sandy tufa hummocks (Turkey, Cappadocia) : **147/1C**, /**5C**, /**6C**, /7
Sarcococca, distinction from **Buxus** : **145/48**
 — distribution : **145/48**
 — monophyly with **Buxus** : **145/48**
 — confuse : **145/50**
 — coriacea : **145/50**
 — [longipetiolata](#), distribution : **145/50**
 — — [valid publication](#) : **145/50**
 — philippinensis : **145/50**
 — pruniformis var. dioica (syn. S. longipetiolata var. dioica) : **145/49**
 — — — (syn. S.saligna) : **145/49**
 — — — (nom. inval.) original description : **145/49C**
 — ruscifolia : **145/50**

- Sarcococca** saligna, distribution : **145/49**
 — taiwaniana (syn. *S. pruniformis* var. *dioica*) : **145/50**
 — — (as *S. saligna*) : **145/53C, /54C, /56**
 — — description : **145/50-51***
 — — field notes CWJ 12391 : **145/55**
 — — — RWJ 9999 : **145/55**
 — — flower : **145/51C**
 — — fruit : **145/52C**
 — — herbarium specimen (Hualien Hsien) : **145/54C**
 — — — (Kaohsiung) : **145/53C**
 — — holotype TAI 15086 : **145/50**
Sarcodes sanguinea (Snow Plant) : **170/32**
Sarcopoterium spinosum : **144/82**
Saturnia pavonia (Small Emperor Moth, caterpillar) : **170/45C**
Saussurea gnaphalodes : **148/57**
 — gossypiphora : **135/52, /53C**
 — kanzanensis : **145/56**
 — wellbyi : **135/51C**
Saxifraga sect. Irregulares, *cortusifolia* (= *S. madida*) : **168/30**
 — — *cuscutiformis* (= *S. stolonifera* '*Cuscutiformis*') : **168/31**
 — — distribution : **168/31**
 — — fortunei, cultivars : **168/31**
 — — — var. *incisolobata* (= *S. zhejiangensis*) : **168/30**
 — — — var. *obtusocuneata* : **168/30**
 — — *geifolia* : **168/30**
 — — *henryi* : **168/30**
 — — *imparilis* : **168/30**
 — — *kwangsiensis* : **168/30**
 — — *lancangensis* : **168/30**
 — — *mengtzeana* var. *cordatifolia* (= *S. aculeata*) : **168/30**
 — — — var. *peltifolia* : **168/31**
 — — *rufescens* var. *flabellifolia* : **168/31**
 — — — var. *uninervata* : **168/31**
 — — *sendaica* forma *lacinata* : **168/31**
 — — *serotina* : **168/31**
 — — *sichotensis* : **168/31**
 — — *stolonifera* (= *S. sarmentosa*) : **168/30, /31**
 — — *veitchiana* : **168/31**
 — sect. *Kabschia* : **148/52**
 — sect. *Porphyron* : **148/57**
 — *chionophila* : **148/57, /64C, /65**
 — *columnaris* : **148/62**
 — *decora* : **148/57**
 — *decussata* : **148/57**
 — *dinnikii* : **148/62**
 — *flavida* : **148/52**
 — *lilacina* : **148/67**
 — *lowndesii* : **148/52**
 — *ludlowii* : **148/1C, /2, /52-66, /52C, /57C, /61C, /62C, /65C, /66C, /67C**
 — — cultivation : **148/67-68**
 — — [cuttings](#) : **148/68C**
 — — [isotype](#) : **148/63C**
 — — 'Zdeněk Zvolánek' : **148/63C**
 — *lychnitis* : **135/52**
 — *oppositifolia* : **153/43**
 — *ramsarica* : **148/63**
 — *stolitzkae* : **153/52C**
 — *stolonifera*, cultivars : **168/2, /19-31**
 — — 'Bian Huan' : **168/1C, /19*, /19C, /20C, /21C**
 — — — flower : **168/23C**
 — — — leaf : **168/22C, /23C**
 — — — name : **168/19**
 — — — origin : **168/19**
 — — 'Tianmu Enci' : **168/31C**
 — — 'Xue Wen' : **168/19, /24, /31C**
 — — 'Yin Yuanbao' : **168/24C, /25*, /29C**
 — — — flower : **168/25C, /26C**
 — — — leaf : **168/27C, /29C, /30C**
 — — — name : **168/24**
 — — — origin : **168/24**
 — — — stolons : **168/27C, /28C**
 — Register : **168/2**
 — × *anglica* 'Winifred' : **164/37**
Scabiosa caucasica : **141/51C**
Sceptridium multifidum (Leather Grape-fern) : **170/16C**
Schefflera taiwaniana : **145/55**
Schizanthus coccineus : **156/23, /24, /25**
 — *grahamii* : **156/23**
 — — F&W12616 : **156/24C**
 — *hookeri* : **144/22, /37C**
 — *litoralis* : **137/42C**
 — *pinnatus* : **137/37, /38C, /42**
Schlumbergera gaertneri ('Christmas cactus') : **137/5, /6C**
Scilla (now *Fessia*)
 — s.l. : **160/3, /11**
 — s.s. : **160/11**
 — *bifolia* : **133/48C; 160/11**
 — — white form (N Macedonia, Jablanica) : **152/24C**
 — cf. *bifolia* : **162/22**

- Scilla hohenackeri** : 164/37
 — hyacinthoides : 134/37C
 — italica : 143/79
 — (Othocallis) siberica : 160/11
 — cf. siberica subsp. caucasica : 160/20, /29
 — vinentina (syn. **Hyacinthoides mauritanica** subsp. vinentina) : 143/79C
 — × allenii 'Fra Angelico' : 164/37
- Scilloideae** subfamily (**Asparagaceae**) : 160/3, /11
- Scirpus diffusus** (Dense Rush) : 170/17
- Scleranthus biflorus** (Twin-flower Knawel) : 143/60C
- sclerophyll woodland, dry : 143/5C
- sclerotia (hardened fungal mycelia, on bulbs) : 165/12, /13C
- Scotland
- Aberdeen : 153/2
 Arisaig : 170/37
 Canna : 170/37
 Cuillins of Skye : 170/46C
 Eigg : 170/2, /37C
 — An Sgùrr : 170/37-46, /37C, /42C
 — Loch nam Bàn Mòra : 170/46C
 Jura : 170/2C
 Lochgilphead : 170/2
 Mallaig : 170/37
 Muck : 170/37
 Mull : 170/2C
 Oban : 170/2
 Rum : 170/37
 Sound of Jura : 170/2C
- [Scottish Rock Podcasts](#) : 146/2
- Scottish Rock Garden (SRGC) [Forum](#) : 151/2; 156/59; 161/2, 30, /32; 166/2; 170/2
- Scrophularia canina** subsp. **hoppii** : 167/8
- Scrophulariaceae : 144/13
 — taxonomic revision : 144/14
- sedimentary rock : 170/7
- Sedum** : 159/5
 — anglicum : 170/41
 — obtusatum (Sierra Stonecrop) : 170/12
- Selaginella selaginoides** (Lesser Clubmoss) : 170/39C
- Sempervivum** : 159/4, /5
 — arachnoideum : 159/4
 — tectorum : 159/4
- Senecio chilensis** : 137/29, /30C
 — integerrimus var. major (Lambstongue Groundsel) : 170/14
 — kuanshanensis : 145/56
 — pachyphyllos F&W11245 : 156/23C
 — taitungensis : 145/56
 — triangularis (Arrow-leaf Groundsel) : 170/22, /34
- Sequoia sempervirens** : 142/88, /91C
- Serapias**, germination : 156/54, /55
 — growing on : 156/55
 — bergonii : 163/27C
 — cordigera : 156/57C
 — — protocorms : 156/52C
 — orientalis (syn. *S. carica*) : 163/27C
- Shibateranthis** seedlings : 151/3C
 — separation from **Eranthis** : 151/3-4
 snowdrop cultivars : 163/29-48
- Sidalcea glaucescens** (Glaucous Checker Mallow) : 170/27
 — sp. : 142/92
- Silene douglasii** var. **douglasii** (Douglas' Catchfly) : 170/14
 — elisabethae : 167/12
 — pumilio : 135/22, /25C
 Silk Road : 135/20-55
 — Eastern Anatolia : 135/26-32
 — Hissar Mountains, Taktakaraca Pass : 135/32-35
 — Lycia : 135/20-26
 — Rohtang La : 135/51-55
 — Tien Shan : 135/36-41
 — Yunnan-Sichuan : 135/36-51
- Sinopanax formosanus** : 145/55
- Sisyrinchium elmeri** (Golden-eye Grass) : 170/24
 — idahoense var. occidentale (Idaho Blue-eyed Grass) : 170/24
- Slovenia, Karavanke mountains : 167/15
- smut (**Melanostilospora ari**) : 133/18
- snow cover : 153/1C, /2, /51C
- snowdrops, Aberdeen : 158/1C
- soil blocking moulds : 162/2, /58C, /59C, /60C
- soil blocks for seed sowing : 162/58-63
 — bulbous species : 162/59
 — damping off : 162/63
 — for alpines, perennials : 162/59
 — growing on : 162/63
 — substrate consistency : 162/59, /61
 — substrate modification : 162/59
 — watering : 162/60-61, /62
- soil pH : 165/7-10
 — & moisture tester : 165/8C, /9
 — (crocuses) : 165/8-10
 — (daffodils) : 165/8-10

- soil pH, meter : **165/8C**
 — (reticulata irises) : **165/24**
 — (tulips) : **165/7-8**
Solenanthes circinnatus : **169/9C**
 — — distribution : **169/8**
Solenomelus segethi : **144/22, /36P**
solonchak (salt marsh soil, Central Asian desert) : **148/16**
Sorbus persica : **169/6**
 South Africa, KwaZulu-Natal, [Ongoye Forest Nature Reserve](#) : **149/2**
 Southern Cross : **137/52C**
 Spain, Canary Islands : **159/2, /3, /4**
 — — 'Islands of the Blessed' : **159/3**
 — — El Hierro, Camino de Jinama : **159/14, /16, /17**
 — — — Cruz de los Reyes : **159/17**
 — — — El Pinar : **159/2, /15**
 — — — 'Isla del Meridiano' : **159/14**
 — — — La Cuesta : **159/14, /15**
 — — — Sabinosa : **159/13C**
 — — Fuerteventura : **159/29**
 — — — Antigua : **159/29, /30, /31**
 — — — Betancuria : **159/29, /30, /31**
 — — — La Matilla : **159/29**
 — — — La Oliva : **159/29**
 — — — Morro de los Rincones : **159/29C**
 — — Gran Canaria : **159/16, /22, /37**
 — — — Rincón de Tenteniguada : **159/25**
 — — — Roque Grande : **159/23**
 — — — Tenteniguada, Los Roques : **159/22C**
 — — — Valsequillo : **159/24**
 — — La Gomera : **159/4, /10, /16**
 — — — Barranco de Aguajilva : **159/12**
 — — — Garajonay National Park : **159/10**
 — — — La Carbonera : **159/10**
 — — — Majona : **159/12**
 — — — Pavón : **159/11**
 — — — Targa, Barranco Santiago : **159/11**
 — — La Palma : **159/16, /18, /19, /20**
 — — — Barranco de las Angustias : **159/20, /21**
 — — — Cumbre Vieja : **159/18**
 — — — El Palmar : **159/20**
 — — — Santa Cruz, Risco de La Concepción : **159/18C**
 — — Lanzarote : **159/26, /29**
 — — — Barranco de la Poceta : **159/27**
 — — — Guinate : **159/28**
 — — — Risco de Famara : **159/26C**
 — — — Valle de Malpaso : **159/28**
 — — Tenerife : **159/4, /5, /16**
 — — — Anaga : **159/8**
 — — — Barranco de Bucarón : **159/8, /9**
 — — — Las Manchas : **159/6**
 — — — Mount Teide : **159/5, /6C**
 — — — Roque Suárez : **159/7**
 — — — Teno : **159/8**
 — Sierra Nevada : **167/19**
Sparaxis tricolor : **134/27C**
Speculantha : **143/25**
Sphagnum : **139/43**
Sphex latreillei (wasp) : **137/47C**
Spiraea splendens : **170/17, /23**
Spiranthes bightensis 'Chadds Ford', from seed : **156/55**
Stachys rigida var. *rigida* (Rough Hedgenette) : **170/16**
Stachyurus sigeyosii : **145/55**
Stamnorchis : **143/25**
Stephanocaryum olgae : **135/39**
Sternbergia **139/49-58**
 — ([PBS wiki](#)) : **139/59**
 — seed dispersal : **139/53**
 — candida : **139/50C, /51, /57, /58C, /59C**
 — — cultivation : **139/58**
 — — distribution : **139/57**
 — clusiana (syn. *S. grandiflora*) : **139/51, /53, /55C**
 — — distribution : **139/55**
 — — vs. **Colchicum boissieri** : **136/34C**
 — colchiciflora : **139/51, /52, /54C, /55**
 — — distribution : **139/54**
 — — var. *dalmatica* : **139/54**
 — fischeriana : **139/51, /58**
 — — distribution : **139/56**
 — — eastern type : **139/56C, /57C**
 — — western type : **139/56C, /57C**
 — greuteriana : **139/51C, /54**
 — — distribution : **139/54**
 — lutea : **139/51, /52C, /53C, /58, /59C**
 — — distribution : **139/52**
 — pulchella : **139/51, /52**
 — schubertii : **139/51, /59**
 — sicula : **139/49C, /51, /53C**
 — — distribution : **139/54**
 steppe : **135/26**
 Stinzenhelling (slope of naturalised species; Utrecht BG) : **152/48, /49C**
[Stinzenplanten](#) (Utrecht BG) : **152/48**
Stipa capillata : **166/4**
 — occidentalis var. *californica* (California

Needle Grass) : **170/13**
stone (grit) mulch : **165/9, /21C, /24**
Streptanthus tortuosus (Jewelweed) : **170/22**
Stylidium montanum : **143/52**
Syria, Bloudane : **146/35**
— Damascus : **146/38**
— Golan Heights : **146/42**
— Hauran : **146/35**
— Krak des Chevaliers : **146/33, /41**
— Palmyra : **146/34C**
Taiwan : **145/2, /48, /49; 161/7, /32**
Hualien Hsien, Hsiulin, Hsiang : **145/49, /54C**
Kaohsiung, Taouan Hsiang, Kuanshan : **145/49, /53C, /55, /56**
Tajikistan : **136/7**
Darwaz mountains : **142/81**
Fergana valley : **140/3**
takyr (salt flat, Central Asian desert) : **148/16**
Tanacetum spp. : **135/31**
— balsamita : **141/51**
Tatochila mercedis (Southern Veined White butterfly) : **137/23C**
Taurantha : **143/25**
TAXONOMY
cryptic species : **148/8**
form, variety : **135/6**
grex : **139/28**
microspecies : **148/43**
species aggregate : **148/39, /43**
taxa compared in cultivation : **160/14**
type specimen : **144/7**
Tchihatchewia isatidea : **135/30C, /31**
Tecophilaea cyanocrocus : **132/45**
Tehran University : **160/22**
Telopea truncata (Tasmanian Watarah) : **142/65C**
— — f. lutea : **142/65**
Tephrosieris capitata : **166/31C**
Terpsiphone paradisi (Indian paradise flycatcher) : **169/16**
terra rossa : **162/7, /10, /11**
Testudo horsfieldii (Horsfield tortoise) : **166/14, /15C**
Tetraglochin alata (Rosaceae) : **132/13, /14C, /25**
Thailand : **161/53**
Thalictrum fendleri var. fendleri (Fendler's Meadow Rue) : **170/23C**
[The Plant List](#) : **151/21**
Thelymitra glaucophylla : **143/41C**

— — f. alba : **143/42C**
— grandiflora (Giant or Scented Sun-orchid) : **143/43C**
— hybrids with **Calochilus** platytilus : **143/44C**
Thermopsis barbata : **135/52, /53C**
Tiarella, scent : **161/48**
Tibet, see China
Tien Shan Mountains : **140/3; 168/7; 169/2, /4, /6, /21C, /24; 170/46**
— Alay Range : **140/3, /11**
— Chatkal Range : **140/3; 169/4**
— Fergana Range : **140/3, /11**
— Kara Darya river : **140/3**
— Kungay Alatau range : **169/30**
— Kuramin Range : **140/3**
— Kyrgyz Alatau : **169/35**
— Naryn river : **140/3**
— Syr Darya river : **140/3**
— Turkestan Range : **140/3**
— Zailiysky Alatau range : **169/30**
Toxicoscordion venenosum var. venenosum (Death Camas) : **170/27**
Trachymene humilis subsp. breviscapa (Alpine Trachymene) : **143/52C**
Tragopogon ruber : **169/30C**
Transcaucasia (South Caucasus) : **147/19, /35**
TRAVEL
[Greentours](#) : **138/18**
[Skygreen](#) (Armenia, Georgia) : **144/92**
[Vira Natura Tours](#) : **135/2C; 138/18; 141/2; 142/2, /85 ; 156/44; 167/2**
travertine : **139/39**
Trevoa trinervis (Rhamnaceae) : **132/25**
Trichostema oblongum (Mountain Bluecurls) : **170/35**
Trillium : **161/2**
— angustipetalum (Narrow-petal Trillium) : **170/24C**
— flexipes : **133/32C**
— kurabayashii : **133/32C**
Tringa ochropus (Green sandpiper) : **166/6**
Trisetum prosectum (Wild Oat Grass) : **170/26**
Tristerix verticillatus : **138/24C**
Triteleia hyacinthine (Wild Hyacinth) : **170/31**
— ixioides var. scabra : **170/11**
Tritonia deusta : **143/92C**
Trollius altaicus : **135/39**
— dschungaricus : **169/6, /7C**
— lilacinus : **135/40C, /41**
Tropaeolum ×tenirostre : **137/29**

Tropaeolum austropurpureum : **132/11**

- azureum : **132/11; 137/29; 138/24**
- incisum : **144/22, /38C**
- kingii : **132/11**
- leptophyllum : **156/25**
- looseri : **137/21C; 138/24**
- myriophyllum F&W11238 : **156/25C, /26C**
- podophyllum : **156/25**
- tricolor : **132/11C, /12; 138/24**

trough garden : **138/13C**

tufa : **148/67, /68; 152/34**

- hummocks (Turkey, Cappadocia) :
147/1C, /5C, /6C, /7

- wall : **139/39, /41C, /42C, /43, /44, /46C**

Tricyrtis lasiocarpa : **145/55**

Tulipa : **145/4; 149/94; 169/2**

- centre of origin & diversity : **169/21**
- cultural associations : **169/20**
- growth form differs in cultivation (Biflora & Turkestanica groups) : **168/3, /4, /7**
- soil pH : **165/7-8**
- taxonomy : **148/3-4, /8**
- — comparison in cultivation : **148/9-10; 168/3, /4, /7**
- — herbarium vs field : **148/8**
- — key(s) : **148/7-8, /47-48, /50-51**
- — lumping : **148/4, /6, /8, /9**
- — morphological variation with growing conditions: **148/9**
- — phylogenetic studies : **148/6, /39**
- subgen. Clusianae : **148/6**
- subgen. Eriostemones : **148/3, /6, /7, /8, /39**
- — Dasystemon group : **168/3, /10**
- — distribution map : **148/18C, /36C**
- — key : **148/47-48**
- — sect. Biflores : **148/2, /3, /7, /18, /19, /37; 166/5**
- — — key : **148/50-51**
- — — (sect. Lophophyllum) : **148/7**
- — sect. Saxatiles : **148/7**
- — sect. Sylvestres : **148/6**
- — Turkestanica group : **168/3, /6, /7**
- subgen. Leiostemones (Tulipa) : **148/3**
- subgen. Orithyia : **148/6; 169/28**
- subgen. Tulipa : **148/6**
- — sect. Kolpakowskianae : **168/3, /12**
- sp. with spherical capsules (Kyrgyzstan, Sary Chelek, Arkyt) : **169/46**
- spp., Fergana valley : **140/3, /4**
- spp. in Kyrgyzstan : **169/21, /22**

- agenensis : **145/9C; 149/97, /98, /99C**
- — distribution : **145/6C, /7; 149/96C**
- — genome size : **149/98**
- — subsp. sharonensis : **143/75C**
- acuminata : **169/25**
- affinis : **169/22**
- anadroma : **169/11C, /12C, /22, /45C**
- androssowii (T. biflora agg.) : **148/39**
- batalinii 'Red Hunter' : **143/73C**
- behmiana : **168/13**
- berkariense : **165/18**
- — 'Little Ilze' : **165/19C**
- — 'Morning Star' : **165/19, /20C**
- — stolons : **165/20C**
- biebersteiniana : **148/47**
- biflora : **148/18, /37D, /38C, /47; 166/5C, /8, /9**
- — agg./group : **148/3, /19, /39, /43; 166/9; 168/3, /6, /7**
- — — localities in Kazakhstan : **148/19C**
- biflora s.l. : **148/29C, /36C, /39; 150/73**
- — — 22IRS-033 : **148/20**
- — — flower details & leaf shape : **148/29C**
- — — 22IRS-104 : **148/20, /28**
- — — flower details & leaf shape : **148/28C**
- biflora s.s. : **148/3, /15 /39, /40C, /41C, /47, /51**
- — syntypes : **148/38D, /39**
- bifloriformis : **135/36; 148/48, /51 ; 166/8 ; 168/7; 169/22, /47**
- — comparison with T. kujukense : **168/9C**
- — separation from related species : **168/8**
- bifloriformis cf : **168/4C**
- binutans (T. biflora agg.) : **148/40, /48, /51 ; 169/22**
- binutans cf : **168/4C, /5C**
- botschantsevae : **145/4, /5C; 149/94, /95C**
- — distribution map : **145/6C; 149/96C**
- brinkii : **145/2C, 3-11, /3C, /7*, /9C; 148/4; 149/2, /93-101, /93C, /97*, /99C**
- — distribution map : **145/6C; 149/96C**
- — etymology : **145/8; 149/98**
- — genome size : **145/8; 149/98**
- — herbarium specimen L.4420634 : **145/6; 149/96**
- — parts : **145/7C; 149/97C**
- — separation from T. harmonia, T. agenensis (table) : **145/8; 149/98**
- buhseana (syn. T. biflora var. buhseana) :

- 148/39, /47, /51; 166/5; 168/15**
- Tulipa buhseana** 12KZ-034 & 036 : **148/9**
- — ARJA-0002 : **148/9**
 - — VS-9417 : **148/9**
 - clusiana (Lady Tulip) : **143/73**
 - — 'Lady Jane' : **143/74C**
 - — var. chrysantha : **143/74, /77C**
 - — — 'Tinka' : **143/74C**
 - — — 'Tubergen's Gem' : **143/77**
 - corynestemon : **168/13**
 - — separation from related species : **168/15**
 - crispatula (T. biflora agg.) : **148/39**
 - dasystemon : **148/8, /47; 168/10, /11; 169/22, /41C, /46**
 - — filament variation : **169/41C**
 - — sessile : **169/41**
 - — separation from related species : **168/12**
 - dasystemonoides : **148/8, /47; 169/22**
 - dubia : **135/36; 169/22**
 - eichleri hort. : **145/4, /5C; 149/94, /95C**
 - — — distribution map : **145/6C; 149/96C**
 - ferganica : **169/22, /43, /44C**
 - — all-yellow forms : **169/43**
 - fosteriana : **135/35C**
 - greigii : **135/39; 166/8; 169/22, /39, /40C, /47**
 - — habitat : **169/39C**
 - halophila : **148/18, /39, /42C**
 - — as synonym of T. biflora : **148/9**
 - — as synonym of T. buhseana : **148/9**
 - harmonia : **145/8, /9C; 149/98, /99C**
 - — distribution map : **145/6C; 149/96C**
 - — genome size : **145/8, /10; 149/98, /100**
 - heterophylla : **169/1C, /20C, /22, /23, /27, /28C**
 - — description : **169/28**
 - hoogiana : **145/4, /5C; 149/94, /95C**
 - — distribution map : **145/6C; 149/96C**
 - humilis : **132/55C; 135/28C; 148/33C, /34C, /35 ; 150/73 ; 165/1C**
 - — habitat : **148/22C**
 - — 16IRS-188 : **148/34C**
 - — var. ornata : **148/39**
 - jacquesii : **148/4, /18, /47, /50 ; 169/22**
 - jansii : **168/3, /12***
 - — at type location : **168/17C**
 - — bulbs, seedpod : **168/14C**
 - — colour forms : **168/13, /17C**
 - — comparison with T. kolpakowskiana : **168/13, /15, /16C**
 - — difficult in culture : **168/13**
 - — distribution : **168/17C**
 - — etymology : **168/14**
 - — flower parts : **168/14C, /18C**
 - — holotype (L4513065) : **168/13**
 - — separation from related species : **168/15**
 - kaufmanniana : **135/39; 166/8; 169/22, /47C**
 - koktebelica (T. biflora agg.) : **148/39, /41C**
 - kolbintsevii : **141/9; 148/3, /4, /5, /18, /19, /40, /47, /48, /50**
 - — 12KZ-073 (Kazakhstan, Dzungarian Alatau) : **141/10C; 148/4C**
 - kolpakowskiana : **166/17; 168/13; 169/22, /31, /36**
 - — separation from related species : **168/15**
 - korolkowii : **169/22**
 - kujukense : **168/3, /6***
 - — bulb : **168/7C**
 - — comparison with T. bifloriformis : **168/9C**
 - — distribution : **168/6, /17C**
 - — etymology : **168/6**
 - — flower parts : **168/7C, /18C**
 - — holotype (L4513067) : **168/6**
 - — seedpod, seed : **168/8C**
 - — separation from related species : **168/8**
 - lazkovii : **168/3, /9-10*, /10C; 169/21**
 - — as T. urumiensis : **168/11**
 - — bulbs : **168/11C**
 - — distribution : **168/10, /17C**
 - — etymology : **168/11**
 - — flower parts : **168/11C, /18C**
 - — holotype (L4513069) : **168/10**
 - — seedpod, seed : **168/12C**
 - — separation from related species : **168/10-11, /12**
 - lemmersii : **148/9**
 - lorestanica : **148/10, /19, /21*, /22C, /23C, /30C, /31C, /32C, /33, /40**
 - — 16IRS-187 : **148/27C**
 - — 18IRS-010 : **148/26C**
 - — bulb tunic : **148/28C**
 - — conservation status : **148/30**
 - — cultivation : **148/30**
 - — distribution : **148/30, /36C**
 - — etymology : **148/30**
 - — flower details : **148/24C**
 - — — inner segment base : **148/24C**
 - — habitat : **148/20C, /22C, /30**
 - — herbarium sheet (GB) : **148/26C**
 - — holotype (GB!) : **148/27C**

- Tulipa lorestanica**, phenology : **148/30**
- — seed pods : **148/25C**
 - — separation from *T. biflora* s.s. : **148/30**
 - — separation from *T. kolbintsevii* : **148/30**
 - — mariannae (*T. biflora* agg.) : **148/39**
 - — micheliana : **145/4, /5C; 149/94, /95C**
 - — distribution map : **145/6C; 149/96C**
 - — neustruevae : **148/47; 169/22, /45**
 - — orithyioides : **148/5C, /6, /18, /47, /51**
 - — ARJA-9814 : **148/6**
 - — orphanidea : **166/20C**
 - — orthopoda : **148/48 /51; 168/7**
 - — separation from related species : **168/8**
 - — orthopoda cf : **168/4C**
 - — ostrowskiana : **135/38C, /39; 169/22, /35C, /36C**
 - — diagnostic features : **169/35**
 - — hybridization with *T. kolpakowskiana*? : **169/36**
 - — variability : **169/35-36**
 - — patens : **148/47**
 - — persica (*T. hoogiana* hort.) : **145/4, /5C; 149/94, /95C**
 - — distribution map : **145/6C; 149/96C**
 - — platystemon : **169/22**
 - — polychroma : **148/6, /19, /36C, /39, /46C, /47, /48C, /49C, /50C, /51**
 - — as synonym of *T. biflora* : **148/6**
 - — prolongata : **148/4, /5, /18, /40, /48, /50**
 - — as synonym of *T. biflora* : **148/4**
 - — pseudoferganica : **169/21, /22**
 - — regelii : **148/7C, /47, /50; 166/2D, /3-18, /8C**
 - — conservation status : **166/8, /12**
 - — flower structure : **166/11C**
 - — in scree habitat : **166/7C, /8C, /9C, /12C, /17C**
 - — leaf : **166/8C, /9C, /11C**
 - — — amplexicaul : **166/9**
 - — — colouration : **166/9**
 - — locus classicus : **166/3, /17**
 - — scent : **166/10**
 - — tepal colouration : **166/10C**
 - — rosea : **169/22**
 - — salsola : **148/10, /11-12*, /18, /19, /40**
 - — 12KZ-059 : **148/15C, /16, /17C**
 - — bulb : **148/13C**
 - — — tunic hairs : **148/14C**
 - — conservation status : **148/16**
 - — cultivation : **148/16**
 - — distribution : **148/16**
 - — etymology : **148/16**
 - — fruiting : **148/12C, /13C**
 - — gynoecium & androecium : **148/14C**
 - — habitat : **148/10C, /16**
 - — holotype (GB!) : **148/17C**
 - — phenology : **148/16**
 - — seed pods : **148/15C**
 - — separation from *T. biflora* s.s. : **148/15**
 - — separation from *T. kolbintsevii* : **148/16**
 - — saxatilis : **143/74C**
 - — sogdiana : **148/19, /39, /47; 168/7**
 - — sp. 22IRS-033 : **148/20**
 - — subbiflora : **148/6C, /18, /47; 169/22**
 - — as synonym of *T. orithyioides* : **148/6**
 - — sylvestris : **148/9, /38**
 - — systola : **150/73**
 - — talassica : **169/22**
 - — talijevi : **148/47, /51; 166/5; 168/15**
 - — as synonym of *T. biflora* : **148/9**
 - — as synonym of *T. sylvestris* : **148/9**
 - — tarda : **135/38C, /39; 148/47, /51; 168/10; 169/22, /32, /33C, /34C**
 - — description : **169/32**
 - — distribution in Kyrgyzstan : **169/33**
 - — separation from related species : **168/12**
 - — tetraphylla : **169/22, /24, /25C, /26C**
 - — distribution in Kyrgyzstan : **169/25**
 - — outer tepal colour : **169/24C, /25**
 - — variability : **169/25**
 - — tianschanica : **169/22, /30C, /32C**
 - — outer tepals : **169/32C**
 - — swollen filaments : **169/32C**
 - — variability : **169/31, /32**
 - — toktogulica : **169/22**
 - — tschimganica : **135/36C; 169/22**
 - — turcomanica : **148/19, /36C, /39, /48, /51**
 - — turkestanica : **140/12, /23; 148/47, /51; 169/22**
 - — undulatifolia : **145/8, /10C; 149/98, /100C**
 - — distribution map : **145/6C; 149/96C**
 - — vvedenskyi : **143/74C**
 - — hybrids : **165/4, /5C**
 - — zenaidae : **169/22, /37C, /38C, /39C**
 - — description : **169/37-38**
 - — zonneveldii : **169/22**
- tulips, in Kyrgyzstan : **169/20-47**
- soil pH : **165/7-8**
- Türkiye (Turkey)
- Amasya Province, Mt. Ak-Dagh : **147/19**
 - Mt. Sana-Dagh : **147/19**
 - Anatolian diagonal : **162/45D, /46, /51**

— plateau : **135/27**
Antalya Province : **151/31**
— Akseki : **151/8**
— — İrmasan Geçidi : **151/6**
— Antalya-Altinyaka : **162/30**
— Bey Dağları : **162/31**
— Beycik : **167/2**
— Ekizce Yaila : **162/30, /32**
— Tahtalı Dağı : **162/31**
— Tuzla Tepe (Asas Dağı) : **162/31**
Armenian Plateau : **160/8**
— Mount Ararat : **160/3**
Artvin Province, Çam Geçidi : **141/48, /51**
— Kaçkar Mountains : **147/2, /17, /27, /28, /37, /38, /39**
— — Yusufeli district near Barhal : **147/22, /27, /37**
Balıkesir Province, Kaz Dağı (Mt. Gargarus) : **162/20**
Bingöl Province : **150/4**
— Bingöl : **160/22, /23, /26**
Burdur Province, Çamkoy : **144/54, /55**
— Katrancık Dağı : **162/31**
Bursa, Uludağ : **162/20, /22, /23**
— Ulubat Gölü : **158/5**
Cappadocia : **135/32; 146/6C; 147/1C, /2 /3, /5C, /7**
— Avanos-Urgup road : **147/5, /7**
— Sivas : **165/28**
— Zelve : **147/5**
Eastern Anatolia : **135/26-32**
— Artos Dağı : **138/16, /17**
— Kars : **141/48**
— Kavushahap Mountains (Kavuşşahap Dağları) : **138/15, /16C**
— — Karabet pass : **138/15, /16, /18**
— Lake Van : **135/32; 138/16, /18**
— Mount Ararat (Ağrı Dağı) : **150/3**
Erzincan Province : **134/3, /5, /9; 165/28**
Erzurum Province : **134/5, /9**
— Ovit Dağı : **141/47**
— Palandöken Dağları : **135/28**
Hakkari Province, Yüksekova : **150/4; 160/5, /6, /7**
Istanbul : **169/20**
Istanbul University : **167/2**
İzmir Province, Karabel Pass : **165/1C**
Kars Province : **149/79**
Konya Province, Lake Beyşehir : **162/32, /33, /46**
Lazistan : **147/17, /19, /20, /27, /37, /39;**

151/25
Lycia (Antalya & Muğla Provinces) : **135/20-26**
— Teke Peninsula : **135/20**
Malatya Province, Malatya : **156/44**
— Şakşak mountains : **156/46**
Manisa Province, Bozdağlar (Mt. Tmolus) : **162/20, /22, /23, /24**
Muğla Province : **134/6**
— Gök Tepe : **162/15, /20**
— Labranda : **144/67**
Niğde Province, Çiftahan : **134/5**
Sivas : **156/41**
Taurus Mountains : **135/20, /32; 145/8; 149/98; 150/3; 167/18**
— Ak Dağları : **135/21**
— Bey Dağları : **135/21**
— Gembos Yayla : **133/47C; 151/6**
— Tahtalı Dağı : **135/21, /22, /26**
Van Province, Kavuşşahap (İhtiyarşahap) Dağları, Karabet Pass : **150/4, /6; 160/6, /7**
— Lake Van : **150/3; 160/5, /7, /8**
— Pelli Dağgı (Alacabük Dağı) : **150/4; 160/5**
— Tatvan-Van road : **160/7**
— Tendürek Pass : **150/7**
Tylosperma lignosa (syn. **Potentilla lignosa**) : **138/15**
Ukraine : **141/25**
bayrak (ravine) forest zone : **141/29**
Crimea : **144/66, /67, /68, /81; 165/30**
— Baydar valley : **160/2**
— Echki-Dag ridge : **148/41C**
— Kaya-bash yaila : **165/31**
Donetsk Region, Seversky Donets river Valley : **141/29**
Kyiv (Kiev) : **136/2, /3; 140/13, /14, /17, /19, /20, /21, /22, /23, /25; 158/2**
Nat. Acad. Medical Sciences : **136/2; 140/2; 147/2**
Odesa Region : **158/7, /10**
Poltava Region, Krugloye Ozero : **141/29**
Uncia uncia (Snow leopard) : **169/16**
Uppsala University : **150/26**
Urochilus : **143/25**
Ursus arctos (Brown bear) : **169/16**
USA
US Army Air Corp : **170/4**
US Forest Service : **170/7, /15, /17, /18**
California : **170/2**
— Mount Shasta : **142/95**

- Placerville : **162/2**
- Sacramento : **162/2; 170/4**
- Sierra Nevada Mountains : **142/85; 170/3, /4, /9, /21, /37**
- — Airport Flat : **170/4, /6, /34**
- — Gerle Creek : **170/3, /4, /5C, /6, /34**
- — — cabin : **170/3C, /37C**
- — Ice House reservoir : **170/4**
- — Ice House Road : **170/4**
- — Lassen National Park : **142/97, /99C**
- — Life Zones : **170/7**
- — Loon lake : **170/4**
- — old growth forest : **170/5**
- — Peavine Ridge : **170/4**
- — Riverton junction : **170/4**
- — Rocky Basin : **170/1C, /3C, /5, /6, /7, /8, /9, /30**
- — — climatic conditions : **170/7-8**
- — — geology : **170/8-9**
- — — glaciation : **170/9, /14, /20**
- — — grazing pressure : **170/15**
- — — logging : **170/7, /15, /17, /18, /30, /34**
- — — Francis Cow Camp : **170/5, /6, /7, /34, /35**
- — — Francis Lake : **170/5, /6C**
- — — Brown Mountain : **170/8C**
- — — Creek : **170/6, /15, /22, /23, /29, /33, /34**
- — Rubicon River : **170/3, /4**
- — Union Valley reservoir : **170/4**
- — Wentworth Springs Road : **170/3, /4C, /6, /31, /33, /34, /35, /36**
- — Windmillers Ravine : **170/4**
- Kansas : **161/3, /4, /12, /50**
- Missouri, Ozark Plateau : **161/2**
- Powell River : **161/47**
- Tennessee : **161/5, /12**
- Appalachia, Porters Creek : **161/19**
- Uzbekistan : **151/6**
- Central Asian University (Tashkent) : **169/3**
- Chimgan Mountain : **148/9**
- Chulbair Ridge : **148/6**
- Fergana valley : **140/3, /4, /11; 169/43**
- Hissar Mountains, Taktakaraca Pass : **135/32-35**
- Khalqabad region, Shachimardan : **148/6**
- Kyzyl-Kum desert : **148/9**
- Sina : **148/5**
- Vaccinium myrtillus** : **152/9**
- Vachellia** (syn. *Acacia*) *caven* : **137/26C;**
- **138/24**
- Valeriana chionophila** : **166/16C**
- *macrorhiza* : **144/22, /38C**
- *philippiana* : **144/22, /39C**
- Veratrum californicum** : **142/97C**
- — var. *californicum* (California Corn Lily) : **170/15**
- *grandiflorum* : **135/49**
- *insolitum* : **142/88, /90C**
- Verbascum** sp. (Turkey, Burdur, Katrancık Dağı) : **162/31**
- Veronica ciliolata** subsp. *ciliolata* (Ben Lomond Cushion Plant) : **142/65, /66C**
- — subsp. *fiordensis* : **142/66C**
- *hispidula* : **148/30**
- *perfoliata* : **152/52**
- *scutellata* (Marsh Speedwell) : **170/22**
- Viburnum foetidum** var. *rectangulatum* : **145/55**
- *propinquum* : **145/55**
- *taitoense* : **145/55**
- Vicia benghalensis** : **137/39C**
- *subvillosa* : **166/16**
- Vietnam : **161/28**
- Truong Son : **161/54**
- Viola**
- Andean *rostulate* : **153/5; 167/19, /20, /22-28**
- *chasmogamous* & *cleistogamous* flowers : **166/16**
- distribution : **167/17**
- genus overview : **167/2, /17-28**
- — centre of biodiversity : **153/5**
- — cryptic taxa : **153/7, /30**
- — defence against herbivory : **153/30**
- — distribution : **153/5**
- — evolution : **153/5, /6**
- — mounded cuttings : **146/71**
- — mutualism with fritillary butterflies : **153/31, /34, /37**
- — saponins & cyclotides as entomotoxic defence : **153/30**
- — symbiosis with fritillary butterflies : **153/30, /34**
- — subgenus **Neoandinium** : **153/4, /5, /7, /8, /9, /11, /12, /25, /31, /34**
- — — background : **145/40-41**
- — — characteristics : **145/42**
- — — distribution : **145/39C, /41; 153/12-13**
- — — evolutionary split : **153/6**
- — — key : **145/42-43**

- — — mutualism with *Yrameae* : **153/10, /31**
- — — scientific history : **145/41-42**
- — — section *Confertae* : **153/17**
- — — sect. *Ericoideum* : **153/17**
- — — sect. *Grandiflos* : **153/17**
- — — sect. *Inconspicuflos* : **153/17**
- — — sect. *Relictium* : **153/17**
- — — sect. *Rhizomandinium* : **153/17**
- — — sect. *Rostulatae* : **153/5, /17**
- — — sect. *Sempervivum* : **145/12, /16, /20, /22; 153/17**
- — — sect. *Subandinium* : **153/5, /8, /17**
- — — sect. *Subandinium*, key : **153/17-18**
- — — sect. *Triflabellium* : **153/17**
- — — sect. *Xylobasis* : **153/17**
- — subgen. *Viola* : **145/41, /42**
- — — sect. *Chilenium* : **153/31**
- — — sect. *Leptidium* : **153/5, /31**
- — — sect. *Rubellium* : **153/31**
- — — sect. *Sclerosium* : **153/8**
- — — sect. *Tridens* : **153/31**
- Viola abbreviata** : **145/43**
- *adunca* subsp. *adunca* : **170/16C**
- *aetolica* : **146/2, /66C**
- *aizoon* : **145/16, /19C, /43**
- *albanica* : **167/14**
- *alliariifolia* : **167/20C**
- *alpina* : **167/14**
- *altaica*, as *V. dubyana* : **167/3**
- — distribution : **167/20C**
- *araucaniae* : **153/8, /18**
- *atropurpurea* : **145/43; 167/24C, /25**
- *aurata* : **153/17, /19C, /27C, /28C**
- — pollination by native bee : **153/27C**
- *auricolor* : **145/43**
- *auricula* : **153/18**
- *bakeri* : **170/33**
- *bangii* : **145/43**
- *beckeriana* : **145/43**
- *bertolonii* : **167/15**
- — confused with *V. corsica* : **167/15**
- — distribution : **167/15**
- *biflora* : **167/11**
- *calcarata* : **167/11, /15**
- — subsp. *zoysii* : **167/15**
- — — distribution : **167/15**
- — 'var. *dubyana*' : **167/11**
- *canina*, with peacock butterfly : **153/28C**
- *cenisia* : **167/12, /13**
- *chamaedrys* : **132/4, /46C; 134/31C; 138/19, /24, /40C; 153/24C, /25**
- *collina* : **166/15C**
- *columnaris* : **145/43**
- *comberi* : **145/43**
- *comollia* : **167/12**
- *congesta* : **153/27C; 167/22C, /23C**
- — F&W11093 : **156/21C**
- — F&W12642 : **156/21C**
- *coronifera* : **145/43**
- *corsica* : **167/15**
- *cotyledon* : **145/41, /43; 167/25, /26C, /27C, /28C**
- — F&W10613 : **156/31C**
- — F&W11251 : **156/30C, /31C, /32C**
- — habitat : **156/30C**
- *crassifolia* : **167/18C**
- *crassiuscula* : **167/19C**
- *dasyphylla* : **145/43**
- *doerfleri* : **167/15, /17C, /18**
- *domeikoana* : **153/17**
- *dubyana* : **167/2, /3-16, /3C, /8, /9C, /10C, /11C, /12C, /13C, /14C, /15, /16C**
- — cultivation : **167/11, /14**
- — foliage : **167/14**
- — imposters : **167/3, /13**
- — substrate : **167/12, /13**
- — variability : **167/13**
- *escrapela* : **153/25, /26C**
- *farkasiana* : **145/16, /18C**
- *fluehmannii* : **144/22, /39C**
- — flower : **144/39C**
- *glabella* (Stream Violet) : **170/35**
- *glechomoides* : **153/18**
- *gracilis* : **167/18C**
- *graeca* : **167/17C**
- *guatemalensis* : **167/21**
- *hallii* : **167/20C**
- *hieronymi* : **145/43**
- *leyboldiana* : **145/43**
- *lobata* : **167/20C**
- — subsp. *lobata* : **170/32**
- *lologensis* : **145/43**
- *macedonica* : **167/18C**
- *macloskeyi* (Macloskey's Violet) : **170/24**
- *micranthella* : **145/43; 153/17, /18C**
- *microphylla* : **167/24**
- *minutiflora* : **144/21, /31C, /49; 153/18, /21C**
- — flower : **144/32C**
- *montagnei* (syn. *V. cano-barbata*) : **167/24, /25C**

- Viola nobilis** : 145/43
- nubigena : 153/18
 - obituaria : 145/2C, /12-48, /22C, /24C, /34D, /36C, /43
 - — conservation status : 145/28
 - — corolla spur : 145/23, /37C
 - — damage : 145/17C
 - — description : 145/23*
 - — distribution map : 145/25
 - — etymology : 145/25
 - — F&W 11610 : 145/23
 - — F&W 11904 (holotype) : 145/22
 - — F&W 11906 : 145/23
 - — flower : 145/38C
 - — habitat : 145/21C, /26
 - — lamina : 145/23, /35C
 - — location map : 145/33C
 - — phenology : 145/25
 - — sexual organs : 145/39C
 - — stamen : 145/39P
 - — taxonomy : 145/22*
 - — type site : 145/13C, /16C
 - odontocalycina : 167/19C
 - odorata : 153/22C, /25
 - pachysoma : 145/43
 - palmata : 167/20
 - petraea : 145/43
 - philippii (syn. *V. microphylla*) : 167/27C
 - pinetorum subsp. pinetorum (Pine Violet) : 170/26
 - poetica : 167/14
 - polycephala : 145/43
 - polypoda : 153/18, /20C; 167/21
 - portalesia, pollination : 153/31
 - portulacea : 145/43
 - pulvinata : 153/18
 - purpurea subsp. purpurea (Goosefoot Violet) : 170/26
 - pusilla : 132/15C, /26; 153/8, /18, /19C; 156/17; 167/21C
 - pusillima : 145/43
 - pygmaea : 145/43
 - regina : 132/4, /45, /47C, /48C; 138/19; 145/43
 - reichii : 167/21
 - rhombifolia : 153/18
 - rossowiana : 145/19C, /20, /22, /36C, /43
 - — corolla spur : 145/37C
 - — flower : 145/38C
 - rosulata : 145/16, /18C
 - sacculus : 145/43; 167/25
 - santiagonensis : 145/20, /21, /22, /43
 - sempervivum : 145/20, /43
 - sheltonii : 170/32C
 - skottsbergiana : 145/43; 167/24C
 - somchetica : 167/19C
 - sororia : 153/23C, /25
 - subandina : 153/8, /13C, /14C, /15C, /17, /36
 - — distribution : 153/15C
 - — F&W11090 : 156/17C
 - taltalensis : 153/18, /21C
 - thianschanica : 167/20C
 - tomentosa (Woolly Violet) : 170/21C, /26
 - tricolor : 153/23C, /25
 - truncata (syn. *V. glacialis*) : 167/27C
 - turritella : 145/43
 - vallenarensis : 153/17
 - volcanica : 167/23C
 - weberbaueri : 153/17
 - yrameae : 153/11-12*, /16D, /18, /23C
 - — conservation status : 153/12
 - — distribution & habitat : 153/7C, /8, /12, /15C
 - — etymology : 153/12
 - — location map : 153/3C, /6C, /9C, /10C
 - — phenology : 153/12
 - — separation from *V. subandina* : 153/14C, /15C, /16D
 - x blaxlandiae : 145/43
 - x josephii : 153/33C
 - x wittrockiana (pansy), with bee fly : 153/29C
 - x zwienenii : 145/43
- viral diseases of bulbs : 165/17C
 Vitax Q4 fertilizer : 153/44
- Viviania marifolia** (Francoaceae) : 132/8, /9C, /10C
- — F&W12236 : 156/14, /15C
- volcanic scoria : 145/12
- tufa : 147/7
- Wahlenbergia** ceracea (Waxy Bluebell) : 143/65C
- white wool (snow mould) : 165/11C, /12C, /26
- World Checklist of Selected Plant Families, Kew (now [Plants of the World Online, POWO](https://www.kew.org/plants-of-the-world-online)) : 160/11
- Woodsia** okamotoi : 145/56
- Wyethia** mollis (Woolly Mules Ears) : 170/27C
- Xanthium** spinosum : 138/24
- Xerochrysum** milliganii (syn. **Helichrysum** milliganii; Snow Everlasting) : 142/67C

Xerochrysum subundulatum (Alpine Everlasting) : **143/61C**, /69
Yemen : **159/4**; **166/2**
Yramea (Argynnini; Southern fritillary butterflies) : **153/2**, /3, /4, /12, /25, /31, /36
— attraction to violas : **153/32**
— caterpillars : **153/23**, /24C, /31
— co-evolution with **Viola** : **153/25**
— cytheris : **132/8C**; **153/22C**, /23C, /24C, /25, /32, /36
— — caterpillars : **132/13**
— — egg cases on annual rostellate viola : **153/24C**

— inca : **153/36C**
— lathonioides : **153/25**, /26C, /36
— lynx : **153/36**
— modesta : **153/25**, /27C, /36
— sobrina : **153/36**
Zantedeschia aethiopica : **134/37C**
Zephyranthes sp. : **144/22**
— graciliflora F&W11097 : **156/29C**
— — F&W11250 : **156/28C**
— tenuiflora (syn. **Rhodophiala** andina) : **132/23C**
Ziplock bags (seed sowing) : **136/5**, /6C
Zoom : **164/2**
Zygophyllum atriplicoides : **140/12**, /23