

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 elichrysifolium : 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** barbelieri : **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**
- Argylia** 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
 Karpathos : **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**
- Caioophora** 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**

- teucrioides : **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**
- zoysii : **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 :
 - Abiskojačka : **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**
- rhapsodicoides : **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
- gracilentia : 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
- biokovensensis : 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
- Centaureum** 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
- Chorisporea** 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** ramondoides : **47/2**
- ramondoides-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**
- adamiioides : **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**
- demirizianus : **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**
- purgiorum : **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**
- roseoviolaceus : **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 susannae '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**
 — diapiensifolia : **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

— organoides 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

Echinospartum 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**
- sutjeskiae : **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 Tinger' : **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**
- prociduum : **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**
- soredium : **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**
 Cnephiasia 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**
- roemerii : **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-taurica : **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**
- transcaucasicus : **09/14C**
- 'Wellenspiel' : **62/11C**
- woronowii : **01/16; 37/2; 65/26**
- 'Boschhoeve' : **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**
 - Peppesradgard : **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. salmoneus : **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 barkeri** : **104/57C**
- humilis subsp. humilis : **104/57, 57C**
- Hairy stonecrop : **78/8C**
- x Halimocistus 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. esteveii : **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. organifolium : **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 Elison 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 Vermeulenla 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
 Irises 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
 — **histrion** : 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**
- pseudocaucasica : **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**
- sophenensis : **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**
— gandogerii : **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**
— vernal : **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. vernal : **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' : **76/5/6, 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. cyprium : **91/18**
- cyprium : **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**
- zahnii : **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 munzurense 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 ×zwienenii : **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 fruticulosa : **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 tchaiatcheffii : 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 hypogaea : 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**
Dedegöl, 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 Kajmaktalan : **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**
 Mycenaean 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**
- tricerospema : **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. persephona : **89/33**
- gackiae : **101/37, 37C**
- garganica : **101/33, 33C, 34C; 116/24, 24C, 25C**
- grammica : **114/58, 58C**
- grandiflora : **101/37C**
- grigioriana : **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**
- lucentina : **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**
- persephona : **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**
- ulyssa : **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**
- Paradisica** liliastrium : **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**
- scariousus : **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**
 Dzhimshier, 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**
 Giuseppe, 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**
Lakušić, 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, Fredick : **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 Bledwyn :
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**
 Zeiting, 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**
- scorzonrifolium : **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**
- — 'Glaucua' : **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 (Жабaглы) : **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**
 Ferny 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

- Rodscape : **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-Sneeuwkop : **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**
 Tblisi 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**
 Warthang : **55/18**
 Warthang 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 Osmiini 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**

— subspinoso : **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
- involucrata : 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**
- rebecca : **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**
- laticolor : **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
- Pycnophilanthopsis** bhutanica : **55/7, 20**
- Pyracantha** 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**
- rhyssophylla : **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**
- eschscholtzii : **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**
- lyallii : **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**
- *oreotrephes* : **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**
- *yunngingense* : **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 :
 - Abiskojačka 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**
- bergeniioides : **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** volanovskiyana : **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**
- ciliolum : **20/10**
- — var. ciliolum : **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**
- Shibateranthus** 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**
- Spheex** 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**
- Symphotrichum** 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**
 — spathulata : **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**

Vermeulenian 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 : **106/24C113/13C, 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**
- llullaillacoensis : **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**
- scorpiuroides : **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**
- × zwienenii : **113/35, 36C, 38C, 39C, 40C, 41C, 43C, 45C, 47C**
- × zwienenii Description : **113/35**
- × 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**; 179/5

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**

— melanoxydon : **143/4**

— paradoxa : **143/4**

— pycnantha : **143/4**

— sp. : **176/2C**

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**

— kotschy : **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**

— hyrcanum : **184/56**

— palmatum : **180/36C**

— macrophyllum (Bigleaf maple) : **174/10**, /17C

— turkestanicum : **169/6**

— velutinum : **184/36**, /47, /55

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

Acianthus caudatus : **143/46C**

Acinos alpinus : **177/10**, /12

Aciphylla glacialis : **183/12C**

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

Aconitum anthora : **141/51C**

— barbatum : **183/41**

— columbianum : **142/97**, /98C

— leucostomum : **179/11**

— nasutum : **141/51**

— nemorum : **179/11**

— orientale : **141/50C**, /51

— soongaricum : **179/11**

Aconogonon divaricatum : **183/26**

— ocreatum : **183/47**

— sericeum : **183/50**

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

Adesmia glomerula : **173/9C**

— mucronata : **132/11C**, /12

— sp. : **138/19**, /24

Adiantum chilense : **132/12C**

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

Aegopodium kaschmiricum : 179/11

Aegypius 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

— 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

Afghanistan : 173/37 ; 181/13C

Belcheragh, Darreh-Zang gorge : 173/50

Agropyron alatavicum : 179/11

— cristatum : 183/26, /27, /29, /31, /34, /45,
/50

Agrostis scabra (Rough Bent Grass) : 170/18

Aichryson : 159/18, /33C

Agropyron sp. (wheatgrass) : 148/16

Aizopsis aizoon : 183/26, /29, /39, /40

Ajuga lupulina : 135/49

— pyramidalis : 177/17

akadama : 175/7

Alatavia (syn. Iris) : 165/23

Albania : 162/6; 177/6, /17, /21; 184/31

Alchemilla retropilosa : 179/11

— tianschanica : 179/16

Alektoris chukar (Chukar partridge) : 166/15

alfalfa meal as soil amendment : 162/60

Alfredia acantholepis : 179/11

Allium aflatunense : 169/13C, /15C, /45C

— atosanguineum : 179/14C

— barszczewskii : 181/32

— beesianum : 135/44

— caeruleum : 169/13, /15C

— caesium : 169/13, /14C; 181/32

Allium campanulatum (Dusky Onion) : **170/21**

- carolinianum : **181/31**
- farreri : **148/60**
- haemanthoides : **148/30, /33C**
- hymenorhizum : **181/32**
- karataviense : **169/13C; 181/32**
- kaufmannii : **181/22**
- margaritaceum : **169/13, /14C**
- neapolitanum aff. : **143/83C**
- obtusum var. obtusum (Red Sierra Onion) : **170/21**
- oreophilum : **179/16**
- oreoprasum : **169/14C**
- oreoscordum : **169/13, /14C**
- pallasii : **169/13, /14C; 179/11**
- platyspathum : **169/13, /14C**
- pskemense : **169/13**
- ramosum : **183/40, /50**
- semenovii : **135/40C, /41 ; 179/5**
- sect. Codonoprasum : **147/7**
- sewerzowi : **181/31**
- sp. (Iran, Kurdistan) : **160/20**
- sp. nova, cf. kaufmannii : **181/3, /19C, /22, /31**
- spp., Fergana valley : **140/3, /4**
- tenuissimum : **183/26, /29**
- tianschanicum : **181/31**
- tschimganicum : **181/31**
- ubipetrense? : **150/65**
- ursinum : **174/42; 180/26**
- viridiflorum : **169/13, /15C**
- Alnus** glutinosa subsp. barbata : **184/34, /55**
- incana subsp. tenuifolia : **170/15, /22, /34**
- rhombifolia : **174/17**
- subcordata : **184/36, /47**
- Alstroemeria** cultivars : **137/5C, /6C, /48C**
- angustifolia var. velutina : **138/24, /42C**
- exserens : **173/4**
- — 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**
- — subsp. ligtu : **173/27C**
- pallida : **173/4C**
- — F&W12455 : **156/22C**
- piperata : **132/4, /45, /47C; 138/19, /24, /40C, /41C**
- — red-tinged form : **138/41C**
- pulchra : **137/40C, /41C, /42**

— — subsp. pulchra : **132/8C**

— umbellata : **173/31C**

— versicolor F&W11088 : **156/13C**

— xanthina : **156/13**

Alyssum lenense : **183/39, /47**

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

Amblynotus rupestris : **183/31, /50**

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; 171/13C, /16, /28, /37; 180/59C; 181/37C**

— — var. dunensis : **171/13C**

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

Anarthrophyllum gayanum : **173/32C**

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 ; 174/43**

andesite : **170/9 ; 174/4, /8**

Androcymbium : **136/3, /4**

— phylogenetics : **147/18**

— gramineum : **136/3**

Androrchis mascula : **180/62C, /87C, /90; 181/41C**

— ovalis : **180/90, /91C**

— — foliage : **180/91C**

— (Orchis) pallens : **180/89C, /90C**

— spitzelii : **180/87C, /88C**

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

— hedraeantha : **177/13**

— incana : **183/43C**

— maxima : **179/11**

— mairei : **135/51**

— sarmentosa : **153/43**

— septentrionalis : **179/11**

— sericea : **179/16**

— sp. : **166/22C**

— tapete : **148/55**

— villosa : **135/22; 183/29, /31, /50**

— wardii : **135/44**

Anemone blanda 'White Splendour' : **180/15C**

- caucasica : **184/56**
- demissa : **135/42, /49**
- multifida : **145/26, /32C**
- narcissiflora : **177/17**
- — subsp. protracta : **135/39; 179/11, /14, /15C**
- nemorosa : **174/42; 177/17; 180/15**
- obtusilobus : **135/52, /54C**
- pavonina : **143/83C**
- ranunculoides 'Pleniflora' : **180/15**
- spp., Fergana valley : **140/12, /23**
- tetrasepala : **135/52**

Anemonella thalictroides : **180/26, /47**

Anemonopsis macrophylla 'White Swan' : **180/47**

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 atrovina : **135/38C, /39**

— bertolonii : **153/44**

— formosa : **142/97**

— jonesii : **153/44**

— saximontana : **153/44**

— sibirica : **183/41**

Arachniodes rhomboidea : **145/55**

Aralia californica : **174/15C**

Arbutus menziesii (Pacific Madrone) : **174/10**

Arctostaphylos mewukka subsp. mewukka : **174/7C, /8**

— nevadensis : **170/36**

— patula (Greenleaf Manzanita) : **170/9**

— uva-ursi : **183/37**

— viscida subsp. mariposa : **174/8**

— — subsp. viscida : **174/8C, /33**

Arenaria tmolea : **135/22**

Argentina : **181/42**

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

Mendoza Province : **140/30**

— Aconcagua : **154/3; 173/3**

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**

— kiushianum : **176/15-18, /15C, /19**

— — 'Amaterasu' : **176/18C, /19C**

— — 'Gin' : **176/17**

— — — leaf : **176/17C**

— — 'Kikkou' : **176/17**

— — — leaf : **176/17C**

— urashima : **176/19-31, /20C, /21C**

— — distribution : **176/19**

— — etymology : **176/19**

— — 'Akabana' : **176/1C, /2, /21C, /22**

— — 'Akatsuki' : **176/22, /23C**

— — 'Aono' : **176/25, /26C**

— — 'Hakukyou' : **176/30C, /31**

— — 'Hakusin' : **176/31C**

— — 'Hibotan' : **176/22C**

— — 'Hyou-Mon-Ka' : **176/27C**

— — 'Kagemusha' : **176/31**

— — 'Kuroho' : **176/29C**

— — 'Kuroshinju' : **176/31**

— — 'Ryūgū' : **176/28C**

— — 'Sarasa' : **176/22, /24C, /27**

— — 'Soshin' : **176/25C**

— — 'Taigāmasuku' : **176/31**

— — 'Yume no ukihashi' : **176/31**

Aristolochia : **151/2, /24-34**

— bottae : **151/25, /26, /31C, /32C**

— californica : **151/2C**

— clematitis : **151/25, /29C**

— — fruit & seeds : **151/29C**

Aristolochia cretica : **151/25, /26, /27C**

— guichardii : **151/25, /29C, /30C**

— hirta : **151/25, /30C**

— 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**

 Ijevan : **184/34, /35**

 Kapan, Khustup mt. : **184/35**

 Lake Sevan : **184/35**

 Mt. Aragats : **150/9**

 Zangezur Mts. : **150/10; 184/34, /35**

[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 : **148/16**

— commutata : **183/27, /46C, /47**

— dracunculiformis : **183/27**

— dracunculus : **179/6, /7C, /11**

— frigida : **183/27, /31, /40, /52C**

— gmelinii : **183/27, /47**

— lacinata : **183/27**

— mongolica : **183/27**

— monostachya : **183/27**

— palustris : **183/27, /34**

— pubescens : **183/27**

— rutifolia : **179/6**

— santolinifolia : **179/6**

— scoparia : **183/27**

— sericea : **183/27**

— spp. (Kazakhstan) : **166/4C**

— tanacetifolia : **183/27**

— tridentata : **152/50**

Arum italicum Marmoratum Group : **133/4; 180/5C**

— '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/foliage : **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**

Asarum hartwegii : **174/28C**

Asiatic lily cultivar : **137/8C**

Asclepias speciosa : **142/94C; 174/23C**

Asperula alpina (Alpine Woodruff) : **143/67C**

Aspidotis densa : **174/30**

Asplenium septentrionale : **179/11**

ASSOCIATIONS, CLUBS & SOCIETIES

[Alpine Garden Club of British Columbia](#) (Canada), [Seed exchange](#) : **178/31**

 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**

 Seed exchange : **178/31**

[Alpine Garden Society \(Victoria\)](#) : **164/23**

[American Peony Society](#) : **139/3**

 American Rhododendron Society : **177/26**
 Gold Medal : **177/2, /26C**

 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**

 Czech Rock Garden Society : **178/3**

 Dutch Rock Garden Society ([Nederlandse Rotsplanten Vereniging](#)) : **139/2, 154/2; 174/2, /40**

 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

Linnean Society : **178/15**, /16

[National Garden Society](#) (UK) : **141/54**

[National Trust for Scotland](#) : **170/2**

North American Rock Garden Society
([NARGS](#)) : **139/33**; **175/26**; **177/21**

Carleton R. Worth Award : **171/2C**;
174/49

Forum : **161/32**

Seed exchange : **178/31**

Northern Horticultural Society : **180/3**, /10

Nottingham Rock Garden Club : **164/30**,
/33

Pacific Bulb Society ([PBS](#)) : **139/59**; **151/31**;
178/17

Plant Heritage, [Brickell Award](#) : **168/2**

Prague Rock Garden Club (Klub skalničkářů
Praha) : **133/2**; **156/2**; **171/2**; **172/2**;
176/2

Royal Caledonian Society, Scottish
Horticultural Medal : **152/47**

Royal Horticultural Society : **144/2**, /3;
145/2; **180/3**

Award of Garden Merit : **156/9**, /34;
175/20; **177/6**

Bulb Committee : **137/2**; **165/2**

Sir Daniel Hall Award : **137/2**; **165/2**

Chelsea Flower Show : **177/6**; **180/23**

Preliminary Commendation : **167/15**

Victoria Medal of Honour : **152/47**

[Russian Rhododendron Society](#) : **183/2**

[Scottish Rock Garden Club \(SRGC\)](#) :

152/47; **156/5**; **167/2**; **169/20**; **174/2**

90th Anniversary : **160/2**

[Archibald Archive](#) : **178/2**

[Exploration Awards](#) : **176/3**

Forrest Medal : **177/5**

[Forum](#) : **151/2**; **156/59**; **161/2**, 30, /32;
166/2

Golden Jubilee Salver : **179/2**

Seed exchange : **178/31**

[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 alpinus : **181/45C**; **183/26**, /29C, /50

— *souliei* : **135/42**

— *vvedenskyi* : **179/16**

Asteraceae, evolutionary epicentre : **173/7**

Astilbe × *arendsii* 'Zuster Theresa' : **180/42**,
/43C

Astragalus alpinus : **179/11**

— *arnottianus* : **173/31C**

— *chorinensis* : **183/29**

— aff. *cruckshankii* : **173/30**

— *eximia* : **135/35**

— *exscapus* : **166/21C**

— *inopinatus* subsp. *Oreogenus* : **183/47**

— *lupulinus* : **183/26C**, /29, /39, /50

— *melilotoides* : **183/39**

— *mesoleios* : **150/14**, /34

— *monspessulanus* : **180/62C**

— *olchonensis* : **183/50**, /51C

— *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**

Atragene (Clematis) sibirica : **179/9**; **183/37C**

Aubrieta deltoidei : **135/22**

Australia

New South Wales, Snowy Mountains : **183/3**

— — Mount Kosciuszko : **183/7**, /8

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
- Tangambalanga : **178/3**
- Victorian Alps/High Country : **143/51-70**; **183/3**
- — Alpine National Park : **143/51**
- — Bogong High Plains : **143/53**, /55C, /57C; **183/4**
- — — Herbland Community : **183/8**, /9C, /10C
- — Dinner Plain : **143/51**, /63
- — Mt. Baw Baw : **183/8**
- — Mt. Buffalo : **143/51C**; **183/8**
- — Mt. Feathertop : **143/51C**, /60C; **183/16C**
- — Mt. Higginbotham : **143/70C**
- — Mt. Hotham : **143/51**, /67, /68, /69C; **183/5**, /6, /7, /8, /13C
- — Mt. Jim : **183/4**
- — Mt. Loch : **143/51**, /57C; **183/3**, /6, /15C, /16C

- — Mt. Stirling : **183/8**
- — 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 (Talysh) mountains : **172/5**; **182/12**, /52
- Lenkoran : **147/19**; **184/58**
- — Khanbulan : **184/52C**, /53C
- Lerik : **184/34**, /51C
- Lerik, Zuvand : **147/19**; **182/23C**, /24C, /25, /26; **184/34**, /51C
- — Gosmalijion **182/14**
- Nagorno-Karabakh : **184/35**
- Quba : **184/35**
- Qusar : **184/35**
- Zagatala : **184/35**
- Azorella madreporica** : **173/33C**
- monantha : **167/24C**; **173/30C**
- prolifera : **145/26**, /27C
- ruizii : **173/30**
- 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**
- basalt : **171/44**
- Battus philenor** (pipevine butterfly) : **151/2C**
- Bauera rubioides** (Wiry Baura) : **142/19C**
- Belgium : **171/2**, /3, /10, /16, /17; **176/15**
- Flanders : **171/4**
- Moen, Bossuit-Kortrijk Canal : **171/5**
- — Orveyt forest : **171/6**
- Wallonia : **171/21**
- Ardennes : **171/4**
- Calestienne limestone area : **171/20**
- — Han : **171/20**
- — Lavaux-Sainte-Anne : **171/28**
- Viroinval : **171/20**, /28, /32
- Bellendena montana** (Mountain Rocket) : **142/20C**
- — fruit : **142/20C**
- — in habitat : **142/21C**
- Bellendena montana**, 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 crataegina : **184/56**
 — empetrifolia : **144/22, /34C; 145/20C, /21C, /24C, /26**
 — — inflorescences : **144/35C**
 — sp. : **141/24, /25**
Bergenia stracheyi : **135/52**
Betula jacquemontii : **179/26C**
 — pendula : **183/37, /41**
 — pubescens : **183/37**
 — sp. : **141/25**
 — utilis : **135/52**
 biochar : **166/29, /30**
 birthwort (**Aristolochia**) : **151/2**
Bistorta elliptica : **169/15**
 — vivipara : **183/26**
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; 172/3; 184/3**
[*AGS Encyclopaedia*](#) (1993) : **174/43**
[*Atlas of the Greek Orchids*](#) (Antonopoulos Z, Tsiftsis S; Mediterraneo Editions, 2017)
Bleeding Hearts, Corydalis & their relatives (MC Tebbitt, M Lidén, H Zetterlund; Timber Press, 2008) : **180/48**
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**

Corydalis: a gardener's guide & a monograph of the tuberous species (Lidén M, Zetterlund H; AGS Publ., 1997) : **181/11, /32**
Crocus (Krokusi; Rukšāns J, 1981) : 184/31
Crocuses, a complete guide to the genus (Rukšāns J, Latvian Acad. Sci. 2011) : **162/5C**
Cyclamen - A concise guide (Denney M, 2021) : **141/2C**
[*Daffodils - Beautiful Varieties for Home & Garden*](#) (Slade & Lane; Pavilion Books, 2025) : **183/55C**
Das Blumenzwiebel Buch (Foerster K, 1939) : **135/13, /14**
Flora Iranica (vol. 112, 1975) : **172/4, /5, /7, /8; 182/42; 184/3, /4 /17, /33**
 (vol. 165, 1990) : **160/3**
 (vol. 171, 1992) : **151/7**
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 and the East Aegean Islands (Davis PH et al.) : **139/51; 150/5; 151/7, /8, /9; 160/3; 162/28; 165/26; 182/31**
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**
[*Peony*](#) (Harland G; Reaktion Books, 2025) : **183/55C**
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; **172/3**; **182/2**, /12, /14, /16, /31, /42; **184/3**
- 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](#); Güner A, 2022) : **162/29**, /31, /32; **182/19**
- [*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 Plant Hunter's Garden* (Ward BJ, Timber Press, 2004) : **174/43**, /**49C**
- [*The Rock Garden*](#) (Harland G; Amberley Books, 2025) : **183/55C**
- 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**; **174/49C**
- Boronia citriodora** (Lemon Scented Boronia) : **142/22C**
- rhomboidei (Broadleaf/Rhomboid Boronia) : **142/22C**, /**23C**
- Botanical Expeditions
- BATMAN/BATM : **150/4**; **160/7**, /22
- Captain George Vancouver Expedition : **178/13**, /14
- IRS (2018) : **150/34**
- IRS (2022) : **150/35**
- SBQE (Sino-British Qinghai Expedition, 1997) : **161/36**
- SLIZE (1988) : **150/26**
- WHIR : **150/12**
- Botrytis** (grey mould) : **139/18**; **173/45**; **175/8**
- Brachyscome rigidula** (Leafy/Cut-leaf Daisy) : **143/59C**
- Brachysternus viridis** (Southern Chafer beetle) : **137/17C**
- Brassica nigra** : **138/24**
- Briggsia** : **139/46**
- [Brodiaea](#) : **178/23-24***
- centre of diversity : **178/20**
- chromosome counts : **178/23**
- culture : **178/24-25**, /28-30
- cv 'Apricot Queen' : **178/21**
- — 'Carroll Watson' : **178/21**
- — 'Nye's Dwarf' : **178/21**
- endemism : **178/19**
- history : **178/14-16**
- holotype : **178/13D**
- in the rock garden : **178/20**
- key features : **178/19**
- propagation : **178/29-30**
- seed provenance : **178/20**
- sources (N America) : **178/30-31**
- taxonomy : **178/18**, /22
- coronaria : **178/12D**, /21, /23, /24, /**25C**, /30
- — as B. grandiflora : **178/15**
- — as **Hookera** coronaria : **178/14**
- — var. coronaria : **178/20**, /**21C**, /22, /28
- elegans : **178/14**, /**17C**, /21, /**22C**, /**31C**
- — JCA 13277 : **178/1C**
- — var. elegans : **178/24C**
- minor (= B. nana) : **178/21**, /**31C**
- nana (syn. B. grandiflora var. minor, B. minor var. nana, B. purdyi, Hookera minor) : **178/27C**, /**28C**
- sp. : **178/16C**
- terrestris : **178/14**, /21, /**26C**
- — subsp. terrestris : **178/15C**
- — var. kernensis : **178/28**
- — var. terrestris : **178/25**, /**26C**, /28
- — — colour forms : **178/26**, /**27C**, /28
- Bromus rigidus** : **138/24**
- sitchensis var. carinatus (California Brome) : **170/14**
- Brunnera macrophylla** 'Jack Frost' : **179/38C**
- bryophytes : **170/37**
- Bryum** spp. (Russia, Baikal) : **183/41**

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**
 — — Vichren : **177/21, /22**
 — Rhodope Mountains : **152/3**
 — Rila Mountains : **152/3**
 — Stara Planina Mountains : **155/21; 177/4**
 bunchgrass (Poaceae) : **153/12**
Bunochilus : **143/25**
Bupleurum bicaule : **183/50**
 — scorzonrifolium : **183/26, /31, /40, /45**
Bursera fagaroides : **152/53**
 Buryats : **183/20**
 bushfire : **143/47C, /48, /75**
Buxus, distribution : **145/48**
 — conzattii (syn. **Sarcococca** conzattii) : **145/48**
 — sempervirens subsp. hyrcana : **184/47**
 — [sirindhorniana](#) : **145/48**
Cacalia hastata : **183/39**
Caiophora coronata : **173/34, /35C**
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. **Arachnorchis** tentaculata) : **143/7C**
Calamagrostis canadensis var. canadensis : **170/24**
 — epigeios : **179/11 ; 183/39**
 — langsdorffii : **183/39**

Calandrinia, annual : **132/16C**
 — taxonomic revision : **132/38**
 — affinis : **173/16, /18C, /34**
 — — F&W12614 : **156/15C, /16**
 — — habitat : **156/16C**
Calceolaria sp. : **144/22**
 — arachnoidea : **173/28, /29C**
 — — F&W11243 : **156/26, /27C**
 — corymbosa : **137/37, /39C, /40C**
 — polifolia : **132/8, /9C**
 — sp. (Santiago mountains) : **173/16**
 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; 179/16, /17C**
Callibrachoa : **134/36C**
Callistephus chinensis 'Průhonice Dwarf' : **184/30**
Callitris gracilis : **143/5**
Calluna vulgaris : **184/31**
Calocedrus decurrens (Incense Cedar) : **170/3, /6, /9, /15, /20, /22, /23; 174/10**
Calochilus platychilus : **143/44C**
Calochortus leichtlinii : **170/10C**
 — macrocarpus : **142/94C, /95C**
 — minimus : **170/35C**
 — monophyllus : **174/32, /33C**
 — tolmei : **167/20**
Caltha introloba (see **Psychrophila** introloba) : **183/4**
 — saggitata : **173/34**
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 carpatica : **176/33**
 — cochlearifolia : **181/53C**
 — glomerata : **179/11, /14C; 183/41**
 — orbicella : **177/12**
 — 'pseudoraineri' : **176/33**
 — raineri : **176/2, /32-34, /32C, /34C**
 — — forma alba : **176/33C**

Campanula *raineri* 'Joan Beeston' : **176/33C**

- — propagation : **176/33**
- *tommasiniana* (Croatian/Tommasini bellflower) : **156/2, /34-36, /34C, /35C, /36C**
- — distribution : **156/35**
- — propagation : **156/34**
- *versicolor* JCA 658 : **177/5**

Campsis *grandiflora* : **137/48C**

Canada

- British Columbia, Gabriol Island : **178/2, /13, /23, /25**
- Powell River : **178/21**
- [Simon Fraser University](#) : **178/2**
- Strait of Georgia : **178/2, /23**
- Sunshine Coast : **178/23**
- Vancouver North : **177/23**
- Labrador : **170/2**
- Nova Scotia, Halifax : **159/34, /35**
- Ontario, Kennebec Lake : **175/21**
- Quebec, Ottawa Valley : **175/15, /20**

Canis *aureus* (Jackal) : **169/16**

- *lupus* (Wolf) : **169/16; 179/20**

Cape Verde : **159/4**

Capra *sibirica* (Ibex) : **169/16; 179/19**

Capreolus *pygargus* (Siberian Roe Deer) : **169/16; 179/20**

Cardamine *californica* (Milkmaids) : **174/25C**

- *trifolia* : **180/15**

Cardiocrinum *giganteum* : **174/19**

- — var. *yunnanense* : **133/34C**

Carduncellus *monspeliensis* : **181/45C**

Carex *baldensis* : **167/12C**

- *digitata* : **184/47, /55**
- *duriuscula* : **183/47**
- *integra* : **170/36**
- *korshinskyi* : **183/47**
- *melanantha* : **179/14, /16**
- — var. *sabulosa* : **183/47**
- *pediformis* : **183/47**
- *supina* : **183/47**
- *sylvatica* : **184/55**
- *turkestanica* : **179/6**
- *vesicaria* : **170/20**

Carpha *alpina* : **142/5**

- *curvata* : **142/5**
- *rodwayi* : **142/29**

Carpinus *betulus* : **160/32; 184/47**

- *orientalis* : **160/32**
- — subsp. *macrocarpa* : **184/56**

Caspian Hyrcanian mixed forests : **160/29;**

184/33, /34, /36, /47, /55, /56, /57

Cassiope, mounded cuttings : **146/71**

- *pectinata* : **135/42**
- *tetragona* : **133/31C**

Castilleja *aplegatei* : **142/91C, /92**

- *exserta* subsp. *latifolia* : **142/87C**
- *pruinosa* (Frosted Paintbrush) : **170/13C**

Catalpa *bignonioides* : **180/47C**

- — in fruit : **180/48C**

caterpillars (Kyrgyzstan) : **169/43C**

Cathartes *aura* (turkey vulture) : **137/35C**

Ceanothus *arcuatus* (Arching Ceanothus) : **170/9C, /20**

- *cordulatus* (Mountain Whitethorn) : **170/9, /26, /36**

- *integerrimus* var. *macrothyrsus* (Deerbrush) : **174/21**

- *prostratus* var. *prostratus* : **174/9C**

Cedrus *deodara* : **135/52**

- — 'Golden Horizon' : **180/10**

Celmisia : **179/44C, /45C**

- *bellidioides* : **153/44**
- *sericophylla* : **183/9C**

Centaurea *melitensis* : **137/24C**

- sp. : **153/35C**

Centaurium *maritimum* : **180/69C**

Centranthus *ruber* : **137/8C**

Cephalanthera, germination : **156/54**

- *damasonium* : **171/30C; 181/47C, /48C, /50C, /51C**
- *longifolia* : **167/4, /6C; 180/60C**
- *rubra* : **180/74C, /75C; 181/42, /43C, /46, /47**

Cerastium *alpinum* var. *lanatum* : **177/15C**

- *cerastoides* : **179/16**
- *humifusum* : **173/16**

Cervus *canadensis* : **169/16**

- *elaphus* : **169/16**

Chaetanthera *chilensis* F&W12613 : **156/7C**

- *lycopodioides* : **173/15C, /16C**
- *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**

Chamaebatia *foliolosa* (Mountain Misery) : **174/21C, /22C**

Chamaecyparis *formosensis* : **145/55**

Chamaenerion (*Epilobium*) *angustifolium* : **179/11; 183/37, /39**

Chamaenerion latifolium : **183/39**
Chamaerhodos grandiflora : **183/26, /31, /42C, /47**
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**
 — La Serena : **174/45C**
 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; 173/2, /36
 — Santiago cordilleras : **153/13; 173/3, /5C**
 — — Farellones : **167/24**
 — — La Parva : **173/3C, /4C, /20, /26, /34**
 — — — plants in wetter area : **173/17C, /25C**
 — — Lagunillas : **156/22**
 — — Valle Nevado : **173/25, /26C, /28**
 University of Chile (Santiago) : **174/43**
 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**
 — Tiltill : **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* : **170/27**
- Chorispora bungeana** : **179/17**
- Chrysanthemum zawadzkii** : **183/26, /37, /39, /41**
- Chrysomyxa deformans** (rust fungus) : **179/9C**
- Chrysosplenium oppositifolium** : **170/42C**
- Chuquiraga oppositifolia** : **173/22C, /28**
- Cicerbita azurea** : **179/11**
- Cichorium intybus** : **137/22C**
- Circaetus gallicus** (Short-toed Snake Eagle) : **179/21**
- 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; 173/8C**
- 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**
- Cladonia rangiferina** : **183/40**
- Cladosporidium orchidis** (orchid 'black death' Pathogen) : **156/58**
- Clarkia gracilis** subsp. *traceyi* : **162/2C**
- seedlings : **162/62C**
- Claytonia parviflora** subsp. *grandiflora* : **174/28C**
- Clematis** cultivar : **137/10C**
- 'Nelly Moser' : **137/10C**
- flammula : **137/10**
- sibirica : **179/11C**
- climate change : **183/7, /19**
- crisis : **171/10**
- Clivia miniata**, as internal standard for nuclear DNA measurement : **168/5, /6**
- Cobra insecticide : **165/15**
- Codonopsis clematidea** : **135/54; 169/6, /7C**
- Coeloglossum viride** : **171/26C**
- — red form : **171/32C**
- 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**
— — 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, Adiyaman) : **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**
- Colchicum 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, Ismailli) : **136/11C**
— — corms (Azerbaijan, Gobustan) : **136/11C**
— — distribution : **136/8**
— cf. *eichleri* : **184/26C**
— *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**
— — (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**
— *kackarensis* : **147/2, /17-41, /22***
— — conservation status : **147/28**
— — corms : **147/22C**
— — distribution : **147/27C**
— — etymology : **147/28**
— — gynoecium & androecium (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**
- Colchicum kesselringii** : **135/33C, /35, /36; 136/7; 182/3**
- — (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; 181/32**
- — (Kyrgyzstan, Chuy, Ala-Bel Pass) : **136/76C, /77C**
- — corms (Tajikistan, Vakhsh) : **136/80C**
- — 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**
- — munzurensense (Turkey, Tunceli) : **136/62C**
- — corm : **136/6**

- — corms (Turkey, Tunceli) : **136/61C**
- — daughter corms : **136/7**
- — distribution : **136/10**
- Colchicum** 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; 184/48C, /56**
- — (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**
- — (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
Colchicum 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**
Colletotrichum *lineola*, infection of *Trillium* :
175/9
Collomia *biflora* : **173/21C**
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**
Conioselinum *tataricum* : **179/11**
Convolvulus *arvensis* : **134/1C**, /29C
Coracias *garrulus* (European Roller) : **180/66**
Corallodiscus : **139/46**
Corallorhiza *maculata* var. *maculate* (Summer Coralroot) : **170/32C**
Cordylanthus *tenuis* subsp. *tenuis* (Slender Bird's Beak) : **170/21**
Coregonus *migratorius* (Baikal omul) : **183/36**
Cornus *alba*, cultivars : **180/41**
 — — 'Aurea' : **180/14**
 — — 'Elegantissima' : **180/14**
 — — 'Kesselringii' : **180/13C**
 — — 'Sibirica' : **180/14**
 — *canadensis* : **180/28**
 — — disjunct distribution : **180/28**
 — *controversa* : **179/34C**
 — *florida* : **180/28**, /42
 — — 'Autumn Gold' : **180/42**
 — — f. *rubra* : **180/39C**, /41C
 — *kousa* var. *chinensis* : **180/42C**
 — *nuttallii* : **174/10C**, /11C
 — *sericea* subsp. *sericea* : **170/34**
 — *sanguinea* : **179/6**
 — — 'Anny's Winter Orange' : **180/14**
 — — 'Bud's Yellow' : **180/14**
 — — 'Winter Flame' : **179/30C**
 — × *rutgersiensis* (*C. kousa* × *florida*) : **180/42**
 — *sessilis* : **174/13C**
Corona virus : **137/2**, /21C; **145/2**; **148/2**;
169/21
 — pandemic : **158/2**; **164/2**
Cortusa *brotheri* (*Primula matthioli* subsp. *brotheri*) : **179/14C**
Corydalis
 — *benecincta* : **135/49**
 — *calycosa* : **135/49**

Corydalis cava subsp. marschalliana : **182/48**;
184/56

- chionophila : **184/26C**
- darwasica : **181/32**
- fedtschenkoana : **135/40C**, /41
- glaucescens : **181/3**, /4, /7, /11; **182/4**
- — (Kazakhstan, nr. Almaty) herbarium Sheet : **181/6C**
- — 12KZ-051 (Kazakhstan, nr. Kegen Pass) : **181/4C**
- — — leaf, flower details : **181/5C**, /12C
- — 'Cream Beauty' (Kyrgyzstan, Ala-Archa) : **181/5C**, /11
- — distribution : **181/3**
- — 'Early Beauty' (Kazakhstan, Medeo) : **181/4C**, /11
- — leaflets : **181/12**
- — 'Pink Beauty' (Kyrgyzstan, Ala-Archa) : **181/4C**, /11
- — 'White Beauty' : **181/11**
- haussknechtii : **160/20**
- hybrids : **165/6C**
- kaschgarica : **181/11**
- "kashgarica" : **181/11**, /12, /15C
- — leaves & flowers : **181/15C**
- ledebouriana : **135/35**, /36, /37C; **181/30C**; **182/3**
- maracandica : **135/35**
- meifolia : **135/53**
- melanocentra : **135/44**
- nudicaulis : **181/12C**, /13C
- pskemensis : **181/2C**, /7C, /8C, /10-11*; **182/3C**, /4
- — ARJA-9871 : **181/10**
- — as sp. nov. glaucescens aff. : **181/22**, /32
- — distribution : **181/10**
- — etymology : **181/11**
- — flower details : **181/10C**
- — habitat : **181/1C**, /10 ; **182/3C**, /4C
- — holotype (ARJA-9871) : **181/9C**
- — leaflets : **181/12C**
- — locus classicus : **181/16C**
- — separation from C. glaucescens : **181/4**, /12C
- — separation from C. "kashgarica" : **181/11**
- — × nudicaulis : **181/13C**; **182/4**
- — — herbarium sheet : **181/14C**
- sp. : **135/34C**
- subsect. Brevinectaria : **181/3**
- ruksansii : **182/4**
- schanginii : **182/4**

— verticillaris : **150/14**

Corylus cornuta subsp. californica : **174/15**

Costa Rica, Cerro de la Muerte : **167/20**

Cotoneaster integerrimus : **183/26**, /37, /39, /50

— kotschyi : **184/56**

— melanocarpus : **179/9**

Cousinia thomsonii : **135/54**

COVID-19 : **134/20**; **137/3**, /21C, /25, /36, /51; **138/26**; **142/2**, /85; **145/2**

— Diaries : **135/55L**; **141/2**

— pandemic : **174/49**

Crambe kotshyana : **135/35**

Craniospermum subvillosum : **183/50C**

Craspedia sp. : **143/52**

— gracilis (Billy Buttons) : **143/54C**, /55, /69C

Crassulaceae : **159/2**, /5; **169/2**

Crataegus knorringiana : **169/6**

— microphylla : **184/34**, /51C, /56

— 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**

— diversity : **172/3**, /5

— intraspecific variability : **184/5**, /6

— leaf blade cross-section : **182/16D**

— living specimens : **184/5**

— morphology in cultivation : **182/51**

— morphology, taxonomy (Kerndorff) : **182/16**

— National Collection (UK) : **164/28**

— nemoral spp. : **182/26**, /31, /43, /44

— new spp. : **144/54-91**; **149/70-90**; **150/47-93**

— phylogeny : **182/13**; **184/3**

— significant morphological features :

150/48

Crocus speciation/diversity centres : **184/3, /4**

— repotting : **165/18C**

— seedpods, pest-damaged : **165/16C**

— soil pH : **165/8, /9, /10**

— species localities : **165/28**

— spring-flowering : **165/10C**

— taxonomy : **182/12**

— Sect. *Crocus* : **172/4 ; 184/4**

— — Ser. *Crocus* : **182/42**

— — Ser. *Kotschyani* : **182/42**

— Sect. *Nudiscapus* : **172/4; 184/4**

— — Ser. *Adamii* : **150/48; 172/7, /8; 184/6, /7, /17**

— — — Iran : **172/2, /3, /5, /7, /22, /23**

— — — — Furse 5114 : **184/17, /18C**

— — — — key : **172/23-24**

— — — — key, illustrated : **172/25-28**

— — — — localities map : **172/4C, /6C, /8C**

— — Ser. *Biflori* : **150/48; 182/42, /43**

— — — sensu Mathew : **162/40**

— — Ser. *Orientalis* : **172/5**

— — Ser. *Reticulati* : **182/42**

— — Ser. *Speciosi* : **182/2, /12, /13, /19, /31, /32, /33, /42, /44, /50**

— — — chromosome number, morphology : **182/14**

— — — distribution : **182/13, /15, /42**

— — — ecological preferences : **182/17**

— taxonomy : **162/3, /4, /5; 172/3**

— — (based on) genetic differentiation, markers : **172/6; 184/6**

— — (based on) herbarium specimens : **172/6**

— — — limitations : **172/6**

— — importance of living plants : **172/5**

— *adamii* : **150/48, /59; 172/4, /7; 184/4, /5**

— *alata* : **135/36, /37C; 169/27C, /28C, /29C; 181/29C, /32**

— *albocoronatus* : **148/36**

— *alborzensis* : **184/19-20*, /20C, /21, /24C, /26**

— — 24IRS-019 : **184/17, /18C, /24C**

— — corms, tunics : **184/21C, /22C**

— — distinguishing features : **184/21**

— — etymology : **184/20**

— — flower details : **184/25C**

— — habitat : **184/18C, /19**

— — holotype : **184/19, /23C**

— *almehensis* : **149/72C; 150/35, /48, /91;**

172/5, /6, /22C, /23, /25C; 184/6, /17, /18C

— *antalyensis* : **162/32, /46**

— — subsp. *gemicii* : **182/12**

— — subsp. *striatus* : **182/12**

— *archibaldiorum* : **147/32; 172/4; 182/17, /26, /43, /44; 184/4**

— — WHIR-129 (Talysh, W. Iran) : **182/18C**

— *armeniensis* 13ARM-067 (Goris, Armenia) : **182/17C**

— *athous* : **162/6, /8C, /11**

— *atticus* : **162/6C, /11**

— *autranii* : **147/35; 162/30 ; 182/26**

— *avromanicus* : **172/5, /9, /10, /11C, /12C, /14-15*, /22C, /23, /24, /28C ; 184/7, /13C**

— — 17IRS-055 : **172/9, /10, /12C, /13C**

— — — corms : **172/16C**

— — — corm tunics, basal rings : **172/18C**

— — 17IRS-058 : **172/9, /10**

— — — corm tunics, basal rings : **172/17C**

— — — corms : **172/16C**

— — — flower details : **172/19C**

— — — leaves : **172/19C**

— — — stigmatic branches : **172/19C**

— — basal tunic : **172/16C**

— — cataphylls : **172/18C**

— — corms : **172/15C**

— — distinction from other Iranian Series *Adamii* : **172/21**

— — etymology : **172/15**

— — habitat & distribution : **172/14; 184/8C**

— — herbarium sheets : **172/20C, /21C**

— — holotype (TUH 60020) : **172/10, /14, /21C**

— — light form : **172/12C**

— — localities : **172/9C**

— *azerbaijanicus* : **150/52, /58-59*, /60C, /61C, /62C, /63C, /91; 172/22C, /24, /26C**

— — 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**

— 'biflorus' Iranian group : **172/4, /7 ; 184/4,**

Crocus bolensis JATU-080 (Abant, Bolu, N. Turkey) : **182/18C**, /19

- 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**
- — location : **162/21C**
- — seedpods : **162/26C**
- — seeds : **162/27C**
- — separation from CC. thirkeanus & gargaricus : **162/23**
- brachyfilus : **182/19**
- — (Akseki, S Turkey) : **182/20C**
- 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-lbradi) 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 : **144/54**; **162/6**; **184/6**
- — ARGI-103 : **144/55C**
- caspius : **160/29**, /32; **172/5**; **182/42** ; **184/17**
- chiaicus : **150/73C**, /73-75*, /**78C**, /**79C**, /91; **172/22C**, /23, /24, /**27C**
- — 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 ; **172/22C**, /23, /**26C**; **184/7**, /**13C**
- — 22IRS-035 : **150/89**
- — distribution : **150/49C**; **184/8C**
- — corm tunics : **150/84C**
- — distribution : **150/80**
- — etymology : **150/82**
- — flower details : **150/84C**
- — habitat : **150/80C**
- — holotype : **150/83C**
- — leaf morphology : **150/84C**; **184/16C**
- — 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**; **172/6**
- — s.l. : **184/6**
- cf. chrysanthus : **162/20**, /22
- [cobbii](#) : **164/2**
- concinnus : **151/6C**
- cvijicii : **152/7**
- damascenus : **144/55**; **150/49**, /65, /73
- — JJVV-039 : **144/55C**
- — s.l. : **182/42**
- danfordiae : **162/30**, /34, /40, /46; **172/7**; **184/6**
- — 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**
 - — — 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, Malatya-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; 172/22C, /23, /25C**
 - 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**
 - 'elegantissimus' (= C. brachyfilus; syn. C. elegans, C. speciosus subsp. elegans) : **182/31**
 - 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**
 - evae-petrovae : **184/9-10*, /10C, /11C, /12C, /13C, /21, /32**
 - — 22IRS-034 : **184/7, /11**
 - — 24IRS-039 : **184/5**
 - — distinguishing features : **184/7, /8**
 - — corm tunics, basal rings : **184/15C**
 - — distribution : **184/8C**
 - — etymology : **184/10**
 - — flower details : **184/14C**
 - — habitat : **184/8C, /9**
 - — holotype : **184/9, /16C**
 - — leaf cross-section : **184/16C**
 - 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**

Crocus gilanicus : **162/30; 182/42; 184/56**
 — *gramensis* (*nomen nudum*) : **152/7, /8**
 — *gunae* : **150/91; 172/6, /22C, /23, /26C; 184/6, /18C, /21, /26C**
 — *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; 182/12**
 — — — 18GRA-099 : **165/33C, /34C**
 — — — — shoots : **165/34C**
 — — subsp. *parnonicus* : **165/33, /34C; 182/12**
 — cf. *hadriaticus* : **165/33**
 — *hakkariensis* : **172/4; 182/42; 184/4**
 — *haussknechtii* : **172/5; 182/42**
 — *hellenicus* : **182/32**
 — — 12GRA-002 (Vikos Canyon, NW Greece) : **182/20C**
 — — *cataphylls* : **182/21C, /32**
 — — localities map : **182/33C**
 — — subsp. *hellenicoides* : **182/33, /34C, /35C, /36-37*, /37C, /51**
 — — — corm tunics : **182/40C**
 — — — etymology : **182/37**
 — — — flower details : **182/41C**
 — — — habitat : **182/34C**
 — — — herbarium sheet : **182/39C**
 — — — holotype (RIG II: BOT-17079!) : **182/36, /39C**
 — — — JP 87-104 : **182/31, /51**
 — — — leaf cross-section : **182/40C**
 — — — PB-359 : **182/31, /38C, /51**
 — — — seed capsule, seeds : **182/40C**
 — — subsp. *hellenicus* : **182/33**
 — *hermoneus* : **184/6**
 — *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**
 — *hyrcanus* : **182/45C, /46C, /48-49*, /50, /51; 184/4, /56**
 — — 16IRS-065 : **182/43**
 — — basal tunics : **182/50C**
 — — corms, stolons : **182/49C**
 — — etymology : **182/49**
 — — flower details : **182/46C, /51C**
 — — habitat : **182/43C, /44C**
 — — habitat, distribution : **182/48**
 — — holotype (RIG II: BOT-17083!) : **182/47C, /48**
 — — leaf cross-section : **182/50C**
 — *ibrahimii* (syn. *C. speciosus* subsp. *ibrahimii*) : **182/31**
 — — (East Thrace, NW Turkey) : **182/22C**
 — *ilgazensis* : **182/44**
 — — 12TUA-146 (Ilgaz Dağı, N. Turkey) : **182/15C, /19**
 — *inghamii* : **150/91; 165/27, /28C; 172/22C, /24, /27C**
 — — corm tunic : **165/28**
 — *iranicus* : **150/66, /91; 172/22C, /23, /25C; 184/17**
 — 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; 177/13, /14C; 184/31**
 — — (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**
- Crocus korolkowii** : **135/35, /36, /37C**
- kosaninii : **165/10**
 - kurdistanicus : **150/35, /91; 162/28, /30, /56; 172/7; 184/6**
 - — 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; 172/22C, /24, /27C**
 - — 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**
 - michelsonii : **184/17**
 - 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**
 - polyanthus *nom. illeg.* (= *C. zuvandicus*) : **182/13, /23, /25, /26**
 - pseudoiranicus : **150/65-67*, /70C, /71C, /72C, /92; 172/22C, /23, /24, /28C**
 - — 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; 182/26, /31**
 - — as '*C. biflorus*' : **144/66**
 - — f. albus 'Sylvia Cobb' : **164/32**
 - — KJGR-016 (Chios Island, Greece) : **182/13C**
 - pulchricolor : **162/20; 165/26C, /28**
 - — R2CV-003 : **162/17C**
 - puringii CRIM-06 (Chatyr-Dag yayla, Crimea, Ukraine) : **182/17C**
 - reinhardii : **150/91; 165/27, /28; 172/22C, /23, /26C; 184/18, /21**
 - — 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**

Crocus sakariensis 12TUA-142 (Kuzuluk, NW Turkey) : **182/18C**, /19

— *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; **172/22C**, /24, /28C

— — distribution : **150/49C**

— *sativus* : **150/48**

— *scardicus* : **152/9**, /27C, /28; **165/10**; **177/3C**, /13

— — (N Macedonia, Popova Šapka Mt.) : **152/26C**

— — JCA 760 : **177/5**

— *scharojanii* : **141/48**, /49C; **152/28**; **165/10**

— *serotinus* 19PTS-005B (Cabo de São Vicente, Portugal) : **182/16**

— *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* : **172/4**

— *speciosus* agg. : **160/2**

— — in Iran : **150/49**

— — s.l. : **182/13**, /31, /42, /43

— — — distribution : **182/31**

— — — Iranian localities map : **182/42C**

— — s.s. : **182/17**, /26, /42

— — — BAR-003 (Kus Tba lake, Tbilisi, Georgia) : **182/14C**

— — subsp. *ilgazensis* (after Mathew) : **182/14**

— — subsp. *xantholaimos* (after Mathew) : **182/14**

— cf. *speciosus* : **160/29**, /32; **182/19**, /23

— 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. (Iran, Semnan Prov., 2600m) : **184/27C**

— sp. (yellow, W Iran) : **149/74C**, /75C

— sp. HKEP-1629 (? = *C. evae-petrovae*) : **184/11**

— sp. HKEP-1631, as 'cf. *roopiae*' : **149/79**

— — approx. location : **149/84C**

— sp. HKEP-1638 : **184/17**, /18, /21

— *speciosus* s.s. : **184/4**

— *striatulus* JRRK-006 (NE Turkey) : **182/19C**

— *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 ; **179/24C**

— — 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
- — — '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**
- *vaclavii* : **184/31**
- *vallicola* : **165/10**
- *veluchensis* : **152/3**, /7, /8, /10; **162/7**; **177/13**
- — (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
- *veneris* subsp. *carmeliensis* : **182/12**
- *vernus* : **164/3**
- *wattiorum* : **135/21**; **164/28**
- *weldenii* hybrid 'Myddleton Cream' : **164/29**
- *xantholaimos* 12TUA-147 (Boyabat-Kabali road, N. Turkey) : **182/15C**, /19
- *yaloensis* : **152/28**
- *zagrosensis* : **150/49**, /92; **172/6**, /22C, /23, /24, /28C; **184/6**
- *zanjanensis* : **150/91**; **172/22C**, /23, /24, /27C
- — distribution : **184/8C**
- — hybrid : **184/11**
- *zetterlundii* : **165/25C**, /28
- — JATU-008 : **165/26**
- — LST-103 : **165/26**
- — LST-108 : **165/26**
- — separation from *C. pulchricolor* : **165/25-27**
- *zubovii* : **172/4**; **182/32**, /43, /44; **184/4**, /17
- — 16IRS-154 (Olang Pass, Golestan, NE Iran) : **182/21C**
- *zuvandicus* : **182/1C**, /24C, /25-26*, /27C, /51
- — basal tunic : **182/29C**
- — corms, tunics : **182/29C**
- — curved stigmatic branches : **182/28C**
- — etymology : **182/26**
- — flower details : **182/30C**
- — habitat : **182/23C**
- — habitat, distribution : **182/25**
- — holotype (RIG II: BOT-17088!) : **182/28C**
- — leaf cross-section : **182/29C**
- — RSZ-8792 : **182/23**, /26
- — seedpods, seeds : **182/30C**
- — separation from allied spp. : **182/26**
- [Crocus Pages](#) (Tony Goode) : **164/23**
- cryptic species : **148/8**; **182/12**, /16, /17; **183/3**
- 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**
- — *elegans* : **184/56**
- — *graecum* subsp. *anatolicum* : **135/26**
- — *hederifolium* : **153/43**; **180/5C**
- — *persicum* ex Rhodes : **143/84C**
- **Cymbaria daurica** : **183/29**, /31
- **Cymopterus terebinthinus** var. *californica* :

170/22

Cynosurus echinatus : 174/9

Cypripedium

— calceolus : 181/51, /52C, /53C

— germination : 156/54

— flavum : 133/33C; 135/42

— guttatum : 135/42

— hybrids : 180/29

— — Gabriela gx (Kentucky Maxi; C. kentuckiense x fasciolatum) : 180/30, /31C

— — Hank Small gx : 180/30C

— — Philipp gx (Kentucky Pink; C. kentuckiense x macranthos) : 180/30, /31C

— — Ulla Silkens gx (C. flavum x reginae) : 180/31, /32C

— parviflorum var. pubescens : 180/30C

— plectrochilon : 135/42

— tibeticum : 135/42C, /49

— yunnanense : 135/42

Cyrtanthus elatus : 137/48C

Cystopteris fragilis : 170/41C; 179/11

[Czech International Rock Garden conferences](#)

: 138/3; 151/2, /35

Czechia/Czech Republic : 138/2

— Ceska Rybna : 172/2

— Hradec Kralove : 172/2

— Průhonice : 151/35

— Radotín : 156/44

— Syrovice : 171/44

Dactylicapnos macrocapnos (syn. **Dicentra macrocapnos**) : 180/48

Dactylorhiza alpestris : 181/56C, /57C

— 'black death' : 156/58

— elata : 180/79C

— ericetorum : 171/40, /41C

— fuchsii : 171/6, /11, /37, /39C, /40C; 180/40; 181/48C, /49C

— germination : 156/54

— incarnata : 156/59C; 171/6, /37C, /38C

— — var. coccinea : 171/19C, /20C

— — var. dunensis (= var. lobelia) : 171/11, /18C, /19

— maculata : 171/7C, /11, /37, /40

— majalis : 171/8C, /40 ; 180/78C ; 181/56

— — subsp. calcifugiens : 156/54

— praetermissa : 171/4C, /5, /11, /38C, /40

— — hypochrome form : 171/5, /6C

— — var. junialis (syn. D. pardalina) : 171/5, /11, /40

— protocorm : 156/53C

— purpurella : 156/54, /55

— romana : 156/54

— sambucina : 156/54; 177/16C, /17

— — red & yellow forms : 180/92C; 181/55C

— self-seeding : 156/48

— viridis : 179/2

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; 180/14

— cneorum : 156/37

— × eschmannii 'Jacob Eschmann' : 156/37

— longilobata : 156/38

— mezereum : 156/38

— morrisonensis : 145/55

— petraea : 167/12

— — 'Cima Tombea' : 156/37

— 'Spring Beauty' : 180/14C

— tangutica : 156/38

Darlingtonia californica : 142/88, /96C

Darmara peltata : 174/20C

Dasiphora fruticosa : 183/50

deer, grazing : 170/34

Delphinium andersonii : 167/20

— confusum : 135/39

— flexuosum : 141/51

— grandiflorum : 183/29, /40

Dendrocopos leucopertus (White-winged woodpecker) : 169/16

Deschampsia antarctica : 152/37

— cespitosa : 179/16

Desideria baiogoinensis : 135/51C

Dianthus chinensis : 183/40

— 'Inshriach Dazzler' : 133/31C

— myrtinervius : 167/18

— 'Prince Charming'? : 179/47C

— scardicus : 177/112

— superbus : 179/11

— uzbekistanicus : 135/35

Diapensia purpurea : 135/44

Dicentra formosa 'Bacchanal' : 180/26, /27C, /48

— — 'Bountiful' : 180/48

— — 'Langtrees' : 180/26

Dichelostemma capitatum : 143/84C
 — ida-maia : 142/88C
Dictamnus angustifolius : 169/8, /9C
 — — habitat : 169/9C
Dierema pulcherrima : 137/47C
Dietes grandiflora : 137/5, /7C, /48C
Digitalis ferruginea : 180/45, /46C
 — — distribution : 180/46
 — nervosa : 184/47
Dionysia, Iran : 176/3-10
 — growing medium : 173/48C
 — — commercial source ([Vulkatec](#), Germany) : 173/48
 — propagation : 173/37-50, /44C
 — — cuttings , aftercare : 173/45C, /48C, /49C, /50C
 — — — choice of material : 173/38C, /42
 — — — medium : 173/40
 — — — potting on : 173/47C
 — — — preparation : 173/38, /39C, /42C, /43C
 — — — rooted : 173/46C, /47C
 — — — watering : 173/40, /44C, /47C, /48C
 — — magnifying glasses : 173/43C
 — — records : 173/37C
 — afghanica GW/H 1308 : 173/50
 — alipourii : 176/3
 — archibaldii : 176/9C
 — aretioides : 152/34; 153/44
 — assadii : 176/6C
 — bachtiarica : 176/8C, /9
 — brinkii : 176/4C
 — bryoides : 149/3, /26C, /27C, /28C, /29C, /30C, /31C, /32C, /33C, /34C; 176/5C
 — caespitosa subsp. bolivarii : 149/51C, /53C, /54C
 — — — flower detail : 149/52C
 — crista-galli : 176/5
 — denticulata : 173/37C, /38C
 — diapensiifolia : 149/35C, /36C
 — esfandiarii : 149/46C, /47C, /48C, /49C, /50C
 — iranica : 176/7C
 — iranshahrii : 149/69C; 173/41C, /42C; 176/8C
 — jamzadiae : 149/60C, /61C, /62C
 — — flower & rosette detail : 149/59C
 — janthina : 149/42C, /44C, /45C
 — — detail : 149/43C
 — lurorum : 176/5C
 — 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; 176/4C, /7
 — [splendens](#) : 149/3-69, /3C, /4C, /5C, /38, /67, /69C; 176/3
 — — corolla, brevistylous/longistylous forms : 149/5C
 — — flowers, inflorescence, leaves : 149/5C
 — — separation from D. viva : 149/38
 — spp. in habitat : 149/2
 — tapetodes : 152/34; 176/9C
 — tjeerdsmae : 176/6C
 — viva : 149/37C, /39C, /40C, /41C
 — — inflorescence detail : 149/38C
 — — separation from D. splendens : 149/38
 — zagrica : 149/68C; 176/7C
 — zetterlundii : 149/63C, /65C, /66C
 — — in habitat : 149/1C
 — — rosette detail : 149/64C
 — zschummelii : 176/5
 — — rooted cuttings : 173/46C
Diphasiastrum alpinum (Alpine Clubmoss) : 170/38C
Diplacus kelloggii : 174/30, /31C
 — pictus : 162/63C
 — — seedlings : 162/62C
 — torreyi : 170/11C, /19
 — viscidus : 174/29C
Diplodium : 143/25
 — sp. 'Adelaide Hills' : 143/29C, /30C
 — dolichochilum (Mallee Orchid) : 143/28C
 — roseum : 143/6C
Dipterostemon capitatus subsp. capitatus : 174/32C
Discaria nana : 173/34C
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

Diuris orientis : **143/34C, /37C**
 — — × behrii natural hybrid : **143/38C**
 — — × pardina natural hybrid : **143/35C**
 — pardina : **143/34C**
Dodecatheon (now **Primula**) hendersonii : **174/26**
Doellingeria breweri : **170/27, /28C**
 dolerite : **142/3, /12C, /65, /66; 171/44**
 dolomite chalk : **165/9**
Donatia novae-zelandiae : **142/24C**
 — — flowers : **142/24C, /29**
Donia uniflora (basonym of **Pyrrocoma** uniflora) : **172/31**
Dontostemon integrifolius : **183/29, /34**
Doronicum oblongifolium : **179/11**
Draba cretica : **142/2**
 — oreades : **179/17**
Dracocephalum imberbe : **179/16, /17**
 — pinnatum : **183/29, /32C, /50**
 — sp. : **166/23C**
 — stamineum : **179/16, /17**
Dracophyllum subgenus **Cystanthe** : **142/25**
 — subgenus **Richea** : **142/25**
 — alpinum (syn. **Richea alpina**) : **142/25C, /26C**
 — continentis : **142/25; 183/9C, /12C**
 — desgrazii : **142/25**
 — gunnii : **142/25**
 — laciniatum : **142/25**
 — 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; 183/9**

Dryas octopetala : **177/15**
 — sumnevicii : **183/50, /51C**
Dryopteris formosana : **145/55**
 Dutchman's pipe (**Aristolochia**) : **151/2, /24**
Echinops davuricus : **183/44C, /50**
 — 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**
Elymus sibiricus : **179/11**
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**
Epimedium 'Wim Boens' (? **E. davidii** x **E. rhizomatosum**) : **175/2C**
Epipactis, germination : **156/54**
 — gigantea : **180/40**
 — palustris : **171/16C; 180/28, /29C, /40**
 — — distribution : **180/28**
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; 172/14**
 — — 17IRS-063 : **151/17C**
 — — 17IRS-049 : **151/13C**
 — — 17IRS-059 : **151/14C, /15C**
 — — 17IRS-060 : **151/17C**
 — — 22IRS-089 : **151/12, /16C**

Eranthis kurdica, 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**
Eremogone capillaris : **183/26, /29, /31**
Eremophila debilis : **143/88C**
 — glabra : **143/87C**
 — — 'Kalbarri Gold' : **143/87C**
Eremorchis : **143/25**
Eremurus fuscus : **135/39**
 — lactiflorus : **181/24C, /32**
 — luteus : **176/13C**
 — olgae : **135/32C, /35C**
 — regelii : **181/31**
 — spp. (Kyrgyzstan) : **169/15**
 — tianschanicus : **140/12, /23 ; 182/3**
Erica cinerea : **170/44C**
 — (Bruckenthalia) spiculifolia : **177/12, /20C**
Erigeron aurantiacus : **179/14**
 — 'Canary Bird' : **179/46C**
 — heterochaeta : **179/16**
 — schmalhauseni : **179/11**
 — sp. : **148/57**
 — tianschanicus : **179/11**
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**
Eritrichium villosum : **179/16**

Erodium cicutarium : **138/25**
 — moschatum : **138/24**
Eryngium bourgatii 'Picos Blue' : **180/40C**
Erysimum capitatum var. capitatum : **170/14**
 — helveticum : **181/61C**
Erythranthe bicolor : **162/61C; 174/30**
 — cardinalis : **174/15C**
 — guttata : **174/30**
 — lutea : **173/25C**
 — — 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**
 — 'Ballyrogan Inferno' : **180/19, /20C**
 — 'Beech Park' : **180/20C**
 — californicum 'White Beauty' : **180/19, /21C, /24C**
 — caucasicum : **160/29, /32**
 — 'Craigton Cover Girl' : **180/19C**
 — dens-canis : **180/9C, /10, /18**
 — oregonum hyb. 'Harvington Snowgoose' : **180/23C**
 — 'Pagoda' :
 — revolutum : **180/19**
 — revolutum 'Alleyne Cook' : **177/23-30, /23-24*, /23C, /24C, /25C**
 — — 'Knightshayes' : **180/18C**
 — — 'Knightshayes Pink' : **180/18**
 — 'Rosalind' : **133/30C**
 — tuolumnense hyb. 'Pagoda' : **179/27C; 180/21C, /22C**
 — — 'Sundisc' : **180/22C**
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**

Eucalyptus vernicosa (Varnished Gum) :
142/40

— — flowers, leaves : 142/40C

Euonymus latifolius : 184/47

Euphorbia amygdaloides : 184/47, /55

— 'Blue Haze' (E. seguieriana subsp. niciana
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

— regelii : 179/11

— 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

Fagus orientalis : 184/34, /47, /48C, /56

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

— furseorum : 160/10, /38

— gilana : 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;
184/56

— — 16IRS-093 : 160/30C

— — distribution : 160/33C

— greilhuberi : 160/10, /31, /38

— hohenackeri : 160/10, /39; 182/48; 184/56

— khorassanica : 160/10, /38; 176/14C

— olangensis : 113/51-70; 160/10, /29, /31,
/39; 184/56;

— — 16IRS-052 : 160/30C

— — WHIR-093 : **160/30C**
 — — distribution : **160/33C**
Fessia parwanica : **160/10**, /38
 — purpurea : **160/10**, /38
 — puschkinioides : **160/3**, /10, /38; **181/30C**, /32; **182/3**
 — raewskiana : **160/11**, /38
 — vvedenskyi : **160/11**, /38
Festuca ovina : **183/29**, /31, /39, /45, /50
 — spp., Fergana valley : **140/23**
 — tianschanica : **179/16**
 — valesiaca : **179/6**, /14, /16
Ficaria sp. (Iran, Kurdistan) : **151/12**
 — kochii : **172/14**
 — verna : **174/42**
Filifolium sibiricum : **183/29**
 fire, biodiversity and vegetation effects : **143/48**
 — 'fuel reduction' : **143/49**
 flea beetle (on **Iris**) : **165/15**
Flora of Israel ([website](#)) : **151/32**
 Flores & Watson Seeds : **174/43**
 flow cytometry, genome size : **145/10**; **149/100**
 — propidium iodide : **145/6**; **149/96**
 — standard (**Agave** americana 'Aureomarginata') : **145/6**; **149/96**
 food poisoning : **181/17**
Forsythia intermedia : **134/25C**
 France : **181/2**, /33
 Alpes Maritimes : **180/65**
 Aude : **175/31C**, /32, /33, /34, /38, /43
 Aveyron : **181/33**
 — PN des Grandes Causses : **181/33**, /34
 — — Causse du Larzac : **181/33**
 — — Gorges du Tarn : **181/33**
 — — Viaduct de Millau : **181/33C**
 — — Viala-du-Pas-de-Jaux : **181/33**
 Bouches-du-Rhône : **175/31C**, /33, /34, /35, /36, /37, /38, /39, /40, /41, /42, /43, /44; **180/65**
 Drôme : **175/31C**, /44; **180/50**, /82 ; **181/33**, /46
 — Barbières : **180/50**
 — Chemin des Pignes : **180/62**
 — Col de Bacchus : **180/84**, /86
 — Col de la Bataille : **180/50**
 — Col de la Croix : **180/84**
 — Col de Menée : **180/87**
 — Col de Valouse : **180/2**, /83 ; **181/46**
 — Col du Tourniol : **180/50**, /58, /62C

— Die : **180/82** ; **181/46**
 — Jabron river : **180/82**
 — Les Combes : **180/50**, /63
 — Les Ducs : **180/50**
 — Les Nonières : **180/87**
 — Montboucher-sur-Jabron (Natura 2000 site) : **180/82**
 — Montelimar : **180/82**
 — river Drôme : **181/46**
 — Rochefort-Samson : **180/50**, /62
 — Romans-sur-Isère : **180/50**
 — Roubion river : **175/45**; **180/82**
 — Vallon de Combeau : **180/87**, /92, /93C
 — Vercors National Park : **180/50**, /82, /84 ; **181/46**
 Hautes-Alpes/Isère, PN des Ecrins, Lac de Julal : **181/62C**, /63
 — Orcières Merlette : **181/56**
 Hérault : **175/31C**, /42
 Montpellier : **181/45**
 Var (Côte d'Azur) : **180/50**, /65, /74
 — Ampus : **180/78**
 — Bauduen : **180/78**
 — Carqueranne : **180/73**
 — Le Thoronet : **180/73**
 — Plaine des Maures : **180/65C**, /66C
 — Toulon : **180/71**
 — Tourtour : **180/78**
 — Vidauban : **180/65**
Fragaria vesca : **179/11**
Frangula grandifolia : **184/47**
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**

Fritillaria *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; 176/10C

— — (Armenia, Ararat) seeds : **140/14C**

— — (Iran, Bojnurd) : **140/25C**

— — — bulb : **140/14C**

— — — flower : **140/13C**

— hajastanica : **141/3**

— imperialis : **148/34, /35C; 150/14; 176/10C**

— — cultivars : **165/18**

— — 'Lutea' : **179/28C, /29C**

— — 'Red Knight' : **179/28C, /29C**

— 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

— 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 : **184/56**

— kotschyana subsp. *kotschyana* : **147/32**

— macedonica (N Macedonia, Jablanica) :
152/22C

— maximowiczii : **141/3**

— meleagris : **179/28C; 180/37C**

— 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**

— micrantha : **174/24C**

— pallidiflora : **141/25; 165/18**

— — 12KZ-076 (Kazakhstan, Dzungarian Gate)
: **141/10C, /11C**

— pelinaea : **144/65C**

— poluninii : **150/14**

— raddeana : **179/26C**

— 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**
- sewerzowi : **135/36, /37C; 140/5, /18; 181/21, /23, /24C, /31, /32**
- sonnikovae : **141/3**
- stenantha : **140/3, /9, /11, /15, /16, /20, /24; 181/32**
- — (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**
- Fulica atra** (Eurasian coot) : **166/6**
- fungal diseases of bulbs : **165/11-13, /17**
- fungicide : **175/7, /8**
- Fusarium** : **181/23**
- nivale (now *Microdium nivale*) : **165/11**
- Gagea bulbifera** : **166/6C**

- filiformis : **179/7C**
- sp. : **135/34C**
- sp. (NW Iran) : **150/14**
- spp. (Fergana valley) : **140/3, /12, /23**
- spp. (Kazakhstan, Ili valley) : **168/15**
- spp. (Kyrgyzstan) : **169/27; 182/3**
- tenera : **166/6**
- 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**

***Galanthus eliasomes* : 136/5**

- hybridisation : **155/2**
- in Caucasus : **123/3-42**
- alpinus (syn. *G. caucasicus*) : **184/34, /35**
- artjuschenkoae (= *G. lagodechianus*) : **184/34, /35**
- bursanus : **136/2**
- cabardensis (= *G. lagodechianus*) : **184/35**
- caspius : **184/34, /35, /58**
- 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**
- golestanicus : **184/1C, /33, /38-39*, /39C, /40C, /68C**
- — clump : **184/40C, /45C**
- — conservation status : **184/47**
- — distinguishing features : **184/36, /45, /57, /63**
- — distribution : **184/46C, /57**
- — etymology : **184/48**
- — flower details (24IRS-031) : **184/43C, /59C**
- — habitat : **184/39C, /47**
- — holotype : **184/38, /45C, /46**
- — key (Iranian green-leaved spp.) : **184/63-64**
- — leaf tip : **184/60C**
- — papillose leaf blade (24IRS-012) : **184/43C**
- — T4Z 1163 : **184/42C, /45C**
- — vernation (24IRS-031) : **184/44C**
- gracilis : **158/10**
- — 'Sunnylad' : **158/5C, /6C**
- graecus : **158/10**
- — 'Greenzzly' : **158/10C, /11C**
- — 'Strawpotter' : **158/7C, /8C, /9C**
- green-leaved spp. (Azerbaijan, Iran) key : **184/63-64**
- ikariae subsp. latifolius (= *G. transcaucasicus*) : **184/55**
- kemulariae (= *G. lagodechianus*) : **184/34, /35**
- lagodechianus : **184/33, /35, /36, /45**
- — key (Iranian green-leaved spp.) : **184/63-64**

- nivalis : **152/49, /58**
- — 'Lonely Island' : **158/3C, /4C**
- — — floral parts : **158/4C**
- — Sandersii Group 'Ray Cobb' : **164/35**
- — var. caspius (= *G. transcaucasicus*) : **184/34, /35, /55, /58**
- — var. redoutei (= *G. golestanicus*) : **184/47**
- panjutinii : **136/2**
- peshmenii : **135/22C; 155/3**
- — x reginae-olgae : **155/12**
- plicatus : **152/49**
- — (Azerbaijan, Lankaran; = *G. transcaucasicus*) : **184/55**
- — 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**
- rizehensis : **184/33, /35, /36, /45**
- — key (Iranian green-leaved spp.) : **184/63-64**
- sp. Furse 5044 (= *G. golestanicus*) : **184/35, /46**
- sp. Furse 5083 (= *G. golestanicus*) : **184/35, /47**
- sp. Furse 5086 (= *G. golestanicus*) : **184/35, /47**
- transcaucasicus : **147/32 ; 182/48 ; 184/33, /34, /35, /36, /37, /49-50*, /50C, /52C, /53C, /54C, /55, /57, /68C**

- — 16IRS-058 : **184/62C**
- — 16IRS-146 : **184/62C**
- — 18IRS-083 : **184/58C**
- — DZSB-2015 : **184/61C**
- — WHIR-2008-124 : **184/61C**
- — conservation status : **184/56**
- — distinguishing features : **184/55, /57, /63**
- — distribution : **184/46C, /55, /57**
- — etymology : **184/57**
- — faded foliage : **184/51C**
- — flower details (16IRS-146) : **184/59C**
- — habitat : **184/48C, /51C, /54C, /55**
- — holotype : **184/34**
- — key (Iranian green-leaved spp.) : **184/63-64**
- — leaf tip : **184/60C**
- — vernalization (18IRS-083) : **184/60C**
- trojanus : **164/35**
- x valentinei 'South Hayes' : **163/33, /39**
- woronowii cv 'Cider with Rosie' : **163/41, /42**

Galium eriocarpum : **173/10C**

- — in seed : **173/10C**
- sp. (Iran, Kurdistan) : **160/20**
- verum : **183/26, /39, /40, /45**

Gamocarpha scapigera : **173/13C, /14C, /31**

GARDENS

[Abkhazi Garden](#), Victoria, BC, Canada :

139/19, /27

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

[Arnold Arboretum](#), Harvard University :

139/21

Askival (Scotland, Argyll & Bute, Rosneath) :

175/12

Beech Park (Ireland, Co. Dublin, Clonsilla) :

180/20

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

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

[Branklyn](#) : **133/19-46, /21C, /22C, /23C,**

/24C, /25C, /26C, /27C, /28C, /29C, /46C

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

14, /4-14C

[Cady's Falls BG](#) (USA, Vermont) : **175/10**

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

/3, /18

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

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

[Gatineau BG](#) (Canada, Ottawa) : **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; 175/26; 181/3, /12; 182/15, /31, /52

Hermanuv Meštec (Czechia) : **184/2, /30, /31**

[Heronswood BG](#), (USA, WA, Kingston) :

161/9

Hillier Arboretum : **134/41**

Hradec Králové, Czechia : **139/18**

Insigne Gardens (Canada, NS, Halifax) :

177/23

Jardin Alpin du Lauteret ([guidebook](#)) :

144/25

Jerusalem BG : **151/32**

[Latvian National BG](#) : **147/16, /39 ; 150/26;**

160/22 ; 181/3 ; 182/26

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

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

[Montreal BG](#) : **175/20, /28**

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

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

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

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

Pinegrove Park (Canada, NS, Liverpool) :

177/28C

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

Průhonice Arboretum (Czechia) : **184/31**

Průhonice Instit. Ornamental Horticulture :

184/10, /30, /32C

[RBG Edinburgh](#) : **139/30; 152/47; 178/16;**

183/13

[RBG Kew](#) : **135/3; 136/2; 148/4; 181/3**

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

164/34

[RHS Harlow Carr](#) : **180/2, /3-49**

— flooding : **180/3**

— Harrogate Arms : **180/7C, /47**

— limestone rock garden : **180/12C, /47**

— location, access : **180/8**

— Logness Monster slide : **180/22**

— Main Borders : **180/15**

— map : **180/4C**

— Old Bath House : **180/7, /10, /28, /49**

— sandstone rock garden : **180/38, /40**

— Streamside : **180/3, /4, /5C, /6C, /8, /13,**

/15, /34, /36C, /37C, /38, /40, /42, /45

— Winter Walk : **180/13**

— Woodland : **180/3, /4, /15, /17C, /21,**

/45

[RHS Wisley](#) : **174/43; 180/10**

[Robin Hill Arboretum](#) (USA, NY,

Lyndonville) : **175/20**

- Shanghai Chenshan BG : **168/19, /24**
 Sweden, Eskilby Trädgård : **166/2**
 — [Klinta Trädgård](#) : **166/2, /29**
[Ted & Mary Grieg Rhododendron Garden](#),
 Stanley Park (Canada, BC, Vancouver) :
177/2, /26, /27, /28
[The Yorkshire Arboretum](#) : **164/18**
[Tromsø BG](#) : **139/18; 148/2, /57, /64;**
152/37
[Tübingen University BG](#) : **149/2; 152/34,**
/54; 173/2, /37
[Uppsala University BG](#) : **181/3**
[Utrecht University BG](#) : **146/2, /67-73;**
152/2C, /31-58; 173/2, /24
 — 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
[Van Dusen BG](#) (Canada, BC, Vancouver) :
177/2
[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**
Genista depressa : **177/12, /13C**
 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 : **137/53; 141/47, /48C; 180/60;**
181/60C
 — — 'Max Frei' : **180/10, /11C**
 — algida : **179/16**
 — angustifolia : **137/53; 180/60C, /89C;**
181/60C
 — aquatica : **141/47**
 — arethusae : **135/44, /45C**
 — asclepiadea : **141/51, /52C; 180/49C**
 — barbata : **183/34**
 — 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**
 — karelinii : **179/16**
 — 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; 180/61C; 181/59C**
 — — subsp. balcanica : **177/16C, /17**
 — — 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. Mamdzyshkha : **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** cinereum subsp. subcaulescens : **177/12**
 - collinum : **179/11, /13C, /16**
 - phaeum : **167/4, /5C**
 - pratense : **183/41, /47, /50**
 - saxatile : **179/17**
 - sp. (Iran, Kurdistan) : **160/20**
 - subcaulescens : **135/22; 167/18**
- Germany, Bavaria, Monchenroth : **176/34**
- germination : **162/2**
 - fire effect : **149/2**
- Geum** : **179/43C**
 - montanum : **181/58C**
 - reptans : **133/31C**
 - talbotianum (Tasmanian Snow Rose) : **142/45C, /46C**
- Gilia** capitata subsp. pedomontana : **174/31C**
- girdling : **175/8**
- 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; 171/16**
- Globularia** cordifolia : **181/47C**
- Glossodia** major (syn. **Caladenia** major) : **143/18C, /19C, /88C**
 - minor : **143/19**
- glyphosate (Roundup) : **165/21**
- Gondwanaland : **152/36**
- Goniolimon** speciosum : **183/29C**
- Goodyera** repens : **171/12C**
- [Google Earth Pro](#) : **160/12**
- granite : **145/4; 149/94; 170/9, /11, /13, /20, /21**
 - grit : **173/47**
- grazing management ([Mergelland sheep](#), Netherlands) : **171/31**
- grus : **170/20, /22**

- granodiorite : **170/7, /9**
- granular fertilizer : **165/9, /23**
- Greece
 - Aetolia-Acarnania : **182/33, /36**
 - Acarnanian Mountains : **182/31, /32, /34C, /35C, /36**
 - Moni-Romvou : **182/32**
 - Nafpaktos : **182/31, /32, /35C, /36**
- Andros : **162/6**
- Athos peninsula : **162/6, /8; 184/31**
- 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; 177/8**
- North Aegean : **163/2**
- North Ionia : **165/32**
- Pindos Mountains : **152/3**
 - Mt. Galata : **152/7**
 - Mt. Tymfristos (formerly Velouchi) : **152/3**
 - Vikos Gorge, Monodendri : **182/32**
- Peloponnese : **163/2 ; 165/30, /33**
 - Alepohori : **165/30, /35**
 - Langadia : **162/6, /7, /8**
 - Parnassos : **162/7**
 - Smolikias : **177/6**
 - 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**
Greece/North Macedonia border,
Kajmakčalan : **177/8**
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**
grit : **175/6**
Growmore fertiliser : **180/48**
growth form differs in cultivation (Tulipa:
Biflora & Turkestanica groups) : **168/3, /4, /7**
Gunnera cordifolia : **142/47C**
— manicata : **174/20**
— perpensa : **152/37**
Gymnadenia conopsea : **171/28, /33C; 180/88C; 181/38C, /46**
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; 181/26C, /27C, /32**
— 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) :
169/16; 179/21
Gypsophila patrinii : **183/26, /41C**
Haberlea rhodopensis (Utrecht BG) : **152/33**
Haloxylon sp. (saxaul) : **148/16**
Haplopappus anthyllodes : **173/28C**
— uniflorus : **172/30**
— 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**
Hedysarum setigerum : **183/50**
Helenium aromaticum : **138/24**
— bigelovii : **170/16, /22**
Helianthemum oelandicum : **177/10**
Helichrysum 'Divoška' : **171/42C, /43**
— — cuttings : **171/42, /43**
— milfordiae : **171/42, /43**
— plicatum : **171/43C**
— pumilum var. *spatulatum*
(Western Everlasting) : **142/48C**
— sessile : **171/44**

Helichrysum sessilioides (syn. H. aretioides) :
171/44C

Heliconia butterfly, tolerance for Passiflora
Toxins : **153/25, /30**

Heliconiinae, co-evolution with Passiflora &
Violaceae : **153/25**

Helictotrichon hookeri : **183/41**

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

Heliotropium geissei : **138/24**

Helleborus argutifolius : **180/15**

— × hybridus : **164/35; 180/13C, /14, /15**

— niger × vesicarius : **139/28**

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

— americana : **161/47**

Heracleum dissectum : **179/11**

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**

Herminium monorchis : **171/15C**

Herorchis (Orchis) mascula : **180/90**

— morio : **180/58C; 181/43C**

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

Hesperantha vaginata var. stanfordiae :
143/85C

Hesperochiron pumilus : **170/30**

Heteropappus altaicus : **183/26, /27, /31, /34,**
/39, /45

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 micrantha (Crevice Alum Root) :
174/17, /18C

— 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**

Hierochloë odorata : **179/11**

Highland cow : **170/46C**

Himantoglossum, germination : **156/54**

— hircinum : **171/17C, /26C, /27C; 180/83;**
181/38C

— robertianum (syn. **Barlia** robertianum) :
171/17C, /41

Hippophae tibetana : **148/55**

Hoheria sexstylosa 'Snow White' : **180/41**

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

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

Hordeum brevisubulatum : **183/34**

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

Hosackia oblongifolia var. oblongifolia

(Narrow-leaved Lotus) : **170/17**
 Hyrcanian ecoregion : **182/12, /26, /48**
 — **Parrotia** persica forest : **182/44C**
huaso (Chilean 'cowboy') : **132/7C**
Huperzia selago (Fir Clubmoss) : **170/39C**
Hyacinthoides non-scripta : **134/38C;**
174/42C; 180/26, /28C
Hyacinthus transcaspicus : **176/14C**
 hybrid vigour (heterosis) : **139/28**
Hydrangea aspera 'Anthony Bullivant' :
180/45C
 — — distribution : **180/45**
Hydnocarpus wightianus : **139/20**
 hydrogen peroxide, as seed disinfectant :
175/7
Hylephila fasciolata (Southern Pale Skipper
 butterfly) : **137/16C**
Hyles annei (hawkmoth) : **137/16C**
Hylocomium spp. (Russia, Baikal) : **183/41**
Hymenochilus : **143/25**
Hymenophyllum wilsonii (Wilson's Filmy Fern)
 : **170/40C**
Hypericum anagalloides : **170/19C**
 — androsaemum : **184/47, /55**
 — reptans : **153/44**
 — sp. : **143/86C**
Hypnum spp. (Russia, Baikal) : **183/41**
Hypochaeris sp. : **138/19, /24**
Hystrix indica (Indian crested porcupine) :
169/16
Ibidorhyncha struthersii (Ibisbill) : **169/16**
 igneous rock : **170/7**
Ilex spinigera : **184/47**
 Illyrian floral province : **152/3, /8**
Incarvillea mairei : **135/49**
 — 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**
 intergradation (of **Orchis** spp.) : **180/90**
 Int. Code of Nomenclature : **182/14, /32**
 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; 172/4, /5; 184/5, /17, /33,
/34, /35, /56
 — Javaher Deh : **184/54C, /62C**
 Alborz Province : **150/12, /26**
 Caspian Sea : **172/3**
 Chaharmahal & Bakhtiari Province : **149/63**
 East Alborz, Aliabad : **184/42C, /45C**
 — Chaboksar : **184/39C, /40C**
 — Damghan : **184/18**
 — Dibaj : **184/17**
 — Gonbad-e Kavus : **184/17**
 — Imam Reza Forest : **184/43C**
 — Minudasht : **184/39C, /41C, /43C, /44C,**
/46, /59C
 — Olang Pass : **184/54C, /59C, /62C**
 — Semnan : **184/17**
 — Siah Khani waterfall : **184/17, /19**
 East Azerbaijan Province : **150/50, /58, /80**
 — Agh Dash : **184/11**
 — — Kaqalaq village : **184/7, /9**
 — 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; 184/17, /33, /34, /38
 — 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; 172/2**
 — Avroman mountains : **150/12, /13, /15, /20; 172/9, /10**
 — Damiv : **172/10**
 — Daraky, Maydan Gollanga : **172/10**
 — Dezli : **172/10**
 — 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; 184/33**
 — Chalus-Karaj road : **160/24**
 — Mount Damavand : **146/63**
 — Siah Bisheh : **150/26, /29**
 Chaharmahal va Bakhtiari Province : **176/3C, /4, /9**
 — Gandoman : **176/8**
 — — Kuh-e Kallar : **176/9**
 — Lordegan : **176/7**
 Fars Province : **176/3C, /4, /9, /11**
 — Dehbid : **176/6, /10, /11**
 — Eghlid : **176/10**
 — Marvdasht : **176/5**
 — Meymand : **176/4**
 — Pasargad : **176/6**
 Isfahan Province : **176/3C, /11**
 — Semirom : **176/8**
 Khorasan : **176/14**
 Khorasan Razavi Province : **176/3C**
 — Mashhad : **176/12**
 — Bunge : **176/9**
 — Ferdowsi University : **176/3**
 Kohgiluyeh & Boyer-Ahmad Province : **176/3C**
 Lorestan Province, Aligudarz, Oshtorān Kūh : **176/5**
 Māzandarān/Alborz border : **160/8**
 Māzandarān/Gilan border : **182/44**
 — Javaher Deh village : **182/43, /48**
 North Khorasan, Bojnurd : **145/4; 149/94**
 — Kopet-Dag : **145/3, /4; 149/94; 151/4, /17; 184/4, /17**
 — — Almesh : **149/72; 172/5**
 — 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**
 Tabas desert : **176/12, /13**
 Talysh (Talish) mountains : **150/8; 172/5; 184/33, /34, /35, /56**
 — Asalem Shaghayegh Plain : **184/34, /48C, /50C, /51C, /58C, /60C, /61C**
 — Nav-Khalkhal road : **160/4) : 172/5**
 University of Tehran : **172/2, /9**
 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**
 Yazd Provinc : **176/3C**
 Zagros Mountains : **135/20; 145/4; 149/94; 150/2, /3, /11, /43; 172/4, /5, /7C, /10; 176/3; 184/4, /17**
 — Avroman (Hawraman) region : **150/3, /12, /15**
 Zanjan Province, Qidār : **150/49**
 — Zanjan : **184/18**
 Irano-Turano ecoregion : **135/26; 182/12; 184/3**
Iridodictyum kolpakowskianum : **179/18**
Iris subgen. *Hermodactyloides* : **181/3**
 — subgen. *Iris*, Sect. **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**
 — — — 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; 181/3**
- '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. lineolata : **176/11C**
- — subsp. longitepala : **146/62C**
- alberti : **169/7, /8C, /46C**
- albomarginata : **181/3, /23, /24C, /25C, /31C**
- — as *I. coerulea* : **181/17**
- — habitat : **181/23C**
- antilibanotica : **146/31C, /35C, /41C**
- aphylla : **144/2C**
- assadiana : **146/40C**
- atrofusca : **146/49C**
- atropurpurea : **146/50C**
- aucheri : **150/73; 172/14**
- 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**
- beetle-infested pods : **181/18**
- 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**
- fosteriana : **176/13C**
- galatica : **156/40C**
- — RUDA-059 : **147/6, /7**
- gatesii : **135/31; 146/7C**
- graeberiana : **169/43**
- grossheimii (Armenia, Syunik Province) : **144/92C**
- hartwegii subsp. *hartwegii* : **174/22C, /23**
- haynei (syn. *I. jordana*, *I. giladensis*) : **146/46C, /53C**
- hermona : **146/42C**
- histrioides : **132/51**
- humilis : **183/26, /29, /31, /33C**
- iberica : **146/12, /18C**
- — blue standards : **146/25C**
- — subsp. *elegantissima* : **135/26C, /30C, /31**
- — subsp. *lycotis* : **176/11C**
- — white form or hybrid : **146/24C**
- kemaonensis : **135/54C**
- kirkwoodiae : **146/3, /9C, /42C**
- — subsp. *calcarea* : **146/9**
- kolpakowskiana : **181/22**

Iris cf. *kolpakowskiana* : **182/3**
 — *korolkowii* : **135/39; 181/26C, /32**
 — *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; 181/18C**
 — *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**
 — *pskemensis* : **181/3, /19C, /20C, /22, /31**
 — *reticulata* : **150/5; 184/56**
 — — 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**
 — cf. *reticulata* : **184/26C**
 — *ruthenica* : **169/7, /8C, /24, /25C, /46C**
 — *sari* : **135/31; 146/6C**

— *shelkownikowii* : **146/25C**
 — *isianica* : **99/22-36**
 — *sophenensis* : **132/52**
 — *sophenensis* × *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; 181/18, /19C**
 — *westii* : **146/30C, /52C**
 — *winkleri* : **165/23; 182/3**
 — *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 ; **176/32**
 — Bergamasque/Orobic Alps, Monte Zucco
 : **167/11**
 — — Pizzo del Diavolo : **167/12**
 Bologna : **167/15**
 Brescia, Cima Tuflungo : **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**
 Lecco, Grigna Septentrionale : **176/32**
 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**
 Hokkaido : **176/19**
 Honshu : **176/15, /19**
 Kyushu : **176/15, /19**
 Shikoku : **176/19**
[Jelitto Seeds](#) : **175/25**
 Jordan, Petra 'The Khazneh' : **146/43C**
 JOURNALS & MAGAZINES
 Acta Průhoniciāna : **184/31C**
 AGS Bulletin : **156/3**
 Garden & Beekeeping (Dārzs un Drava; Latvia) : **184/30**
 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; 176/2**
[The Crocus Focus](#) (Crocus Group Australia) : **164/23**
[The Garden](#) (RHS) : **164/32**
[The International Rock Gardener](#) (IRG, SGRC) : **171/2; 174/2, /49; 178/3; 180/2; 182/2**
 — editor (Margaret Young) : **171/2**
[The Rock Garden](#) (SRGC) : **150/2; 152/47; 153/2, /41, /45; 158/2; 169/41; 179/2; 181/2**
[The Rock Garden Quarterly](#) (NARGS) : **152/35**

Juglans regia : **169/6, /43**
Juncus antarcticus : **183/9**
 — 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**
 — spathulata : **173/20C**
 — 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**
- Junellia 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**
- — subsp. saxatilis : **177/11, /14C, /20C**
- grandis (Sierra Juniper) : **170/20**
- pseudosabina : **169/6; 179/9, /14**
- sabina : **184/56**
- semiglobosa : **169/6; 179/9C**
- seravschanica : **169/6**
- sibirica : **179/9**
- sp. (North Macedonia) : **152/9**
- sp. (Turkey, Burdur, Katrancık Dağı) : **162/31**
- turkestanica : **169/6**
- Kageneckia oblonga** (Rosaceae) : **132/25**
- kaolinite clay : **162/60**
- Kazakhstan : **166/2, /3; 169/21; 181/3, /7, /16**
 - Aksu-Dzabagly Nature Reserve : **135/39**
 - Almaty : **166/3, /4, /17; 181/6C, /11**
 - 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**
 - Kurty : **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**
 - Medeo : **181/4C, /11, /12C**
 - 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; 181/12C**
- Dzungarian Gate, Kol-Asuu gorge : **141/10, /16, /23, /25, /43**
- Keckiella breviflora** var. *breviflora* : **174/33, /34C**
- lemmonii (Lemmon's Keckiella) : **170/10**
- Kelloggia galioides** : **170/14**
- [Kew World Plants checklist](#) (WCSP) : **146/5, 12**
- Knowltonia major** : **173/36**
- Kobresia capilliformis** : **179/16**
- humilis : **179/16**
- Kochia prostrata** : **183/26**
- Koeleria macrantha** : **183/26, /29, /31, /34, /39, /45**
- Korea : **161/14, /18, /32**
- Kosovo : **152/6, /7, /10; 177/6, /17**
- koumiss : **181/32**
- 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; 179/5, /6, /9, /20; 181/3, /5C, /7, /16**
 - Ala Archa river valley : **179/3C, /4C, /6, /22**
 - Ala Archa State National Park : **179/2, /3, /4C, /5C, /6, /8; 181/4C, /5C, /11, /12C**
 - Ak-sai glacier : **179/22**
 - Ak-sai waterfall : **179/8C**
 - Avifauna : **179/21**
 - Fauna : **179/19-21**
 - plant zonation : **179/6-18**
 - — Alpine belt : **179/16**
 - — Cryophyte belt : **179/16-17**
 - — Forest-meadow belt : **179/9-14, /10C**
 - — Glacial-nival belt : **179/18**
 - — Steppe belt : **179/6-8**
 - — Sub-alpine belt : **179/14-16**
 - Pressures : **179/21-22**
 - Ala Bel : **135/36, /39**
 - Alamedin : **169/37; 179/6**
 - Tyopyle Klyuchi : **169/37**
 - Alay Ridge : **148/6**
 - Arslanbob : **169/6, /42C, /43**
 - Bishkek : **136/2C; 140/15; 169/4, /25, /37, /41, /43; 179/3, /22; 181/12C**
 - 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 Mountains, Yassy Pass : **182/3, /4C**
- 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 Alatoo range : **169/30, /33**
- Kyrgyz Alatoo range : **169/35, /37**
- Kyzyl-Kira : **169/43**
- map : **169/22C**
- Osh : **169/43**
- Red-listed plants : **179/18-19**
- 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 Alatoo range : **169/30**
- Lachenalia splendida : 143/86C**
- Lagarostrobos franklinii** (Huon pine) : **142/52C**
- Lagotis cashmerianus : 135/52**
- Lamium album : 169/9, /10C; 179/11**
- Lampranthus spectabilis : 137/11, /12C**
- land mine clearance : **146/17C**
- Laretia acaulis** (Apiaceae) : **144/21, /33C**
- Larix gmelinii : 183/36**
- sibirica : **169/6; 179/6; 183/36, /46**
- — × gmelinii hybrids : **183/36**
- Lathyrus humilis : 183/37, /41**
- odoratus 'Průhonice Accelerated' : **184/30**
- sulphureus var. sulphureus : **174/21, /22C**
- vernus : **180/89**
- Latvia
- Bulduri Horticultural College : **165/4**
- Gauja river : **165/4**
- Riga : **165/2, /3**
- [Teterev Foundation](#) : **165/7**
- laurisilva* (subtropical laurel forest, Canaries) : **159/5, /8, /10C, /16, /22**
- lava gravel : **166/29; 173/48**
- 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 fedtschenkoanum : 183/45**
- leontopodioides : **183/25C**
- nanum : **148/55**
- ochroleucum : **179/14, /16**
- 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**
Leopoldia 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**
 — tolai (Tolai Hare) : **179/20**
Lesquerella : **151/2**
 — subsumed in *Physaria* : **151/20, /21**
 — (*Physaria*) *arizonica* : **151/19C**
 — *intermedia* : **151/20C**
Leucochrysum albicans subsp. *albicans* : **143/53, /54C**
Leucocoryne ixioides : **137/40C; 138/24**
Leucogenes grandiceps : **153/43**
 — *leontopodium* : **153/43, /58C**
Lewisia nevadensis : **170/31C**
 — *tweedyi* : **153/43**
Leymus chinensis : **183/27, /31, /33, /47**
Liatris spicata : **153/35C**
 lichen, crustose : **166/13C, /14C**
Ligularia alpigena : **179/14, /15C**
 — *heterophylla* : **169/9 ; 179/11**
 — *thomsonii* : **169/9**
Ligusticum grayi (Gray's Lovage) : **170/35**
Lilium, virus-infected : **165/17C**
 — *albanicum* : **177/17**
 — *bolanderi* : **142/88, /90C**
 — *columbianum* : **142/88, /90C; 178/18**
 — *kelleyanum* : **142/96**
 — *kelloggii* : **142/87, /88, /89C**
 — *ledebourii* : **184/56**
 — *lophophorum* : **135/49**
 — *mackliniae* : **133/34C**
 — *martagon* : **180/40C, /41C**
 — — var. *album* : **180/41**
 — — var. *cattaniae* : **180/41**
 — *monodelphum* : **133/35C**
 — *pardalinum* : **142/84C, /85, /87, /96; 174/11, /12C, /19C**
 — — subsp. *shastense* : **142/96, /98C**
 — — subsp. *vollmeri* : **142/88, /91C, /92**
 — — subsp. *wigginsii* : **142/93C**
 — — tetraploid? form : **174/19**
 — — × *parvum* : **174/12**
 — *parvum* (Sierra Tiger Lily) : **170/34C, /35; 174/11**
 — — var. *crocatum* : **142/85C**
 — *pumilum* : **183/29, /38C**
 — *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**
 — grassland : **171/20**
 limestone : **149/4 ; 167/13, /14**
 — Westmoreland : **174/41**
Limodorum abortivum : **163/26C; 180/45, /85C; 181/39C**
 — cleistogamy : **163/26**
Linaria alpina : **177/17**
 — *buratica* : **183/29, /47**
 — *vulgaris* : **183/40**
Lindelofia macrostyla : **135/54**
Lindera obtusiloba : **133/43C**
Linguella : **143/25**
Linum campanulatum : **180/72C**
 — *cariense* : **166/28C**
 — *heterosepalum* : **179/11**
 — *perenne* : **183/47**

— — subsp. alpinum : **167/1C**, /7, /8C
 — — — 'Alice Blue' : **167/7**
Linum suffruticosum subsp. salsoloides :
181/44C
Liolaemus tenuis (lizard) : **137/46C**
Liparis, germination : **156/54**
 — loeselii : **171/1C**, /14C
Listera kuanshanensis : **145/56**
Lithrea caustica (Anacardiaceae) : **132/25**
Lloydia serotina : **179/16**
Loasa (Pinnasa) nana : **173/15C**
 — placei : **137/24**, /25C
 — tricolor : **138/24**
Lobelia dortmanna (Water Lobelia) : **170/46**
 — oligophylla : **173/25C**
 — polyphylla : **137/44**, /45C
 — × speciosa 'Starship Blue' : **180/43**, /44C
Lonicera caerulea : **183/37**
 — conjugialis (Purple Flower Honeysuckle) :
170/23
 — fragrantissima : **161/18**
 — karelinii : **179/9**
 — microphylla : **179/9**
 — tatarica : **134/34C**
 LST Expedition team : **147/37C**
Lunaria annua 'Chedglow' : **180/13C**
 Lupericalia : **175/43**
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 'Briar Cook' : **177/27**
 — dawsoniana 'Barbara Cook' : **177/27C**
 — wilsonii : **133/40C**
Maianthemum racemosum : **170/23**
 — stellatum : **174/13**, /14C
Maihuenia poeppigii : **145/24C**, /26C
Malesherbia fasciculata (Passifloraceae) :
132/16, /18C, /26; **137/31C**, /32C
 — — var. glandulosa : **137/31**
 — sp. (Chile, Santiago mountains) : **173/26C**
 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**
Marmota baibacina (Grey Marmot) : **179/20**
Martes foina (Beech marten) : **169/16**
 'Meadow saffron' (**Colchicum**) : **155/2**
Meconopsis aculeata : **135/51**, /52C
 — × cookei 'Old Rose' : **179/33C**
 — delavayi : **153/47C**
 — hybrid 'PC Abildgaard' : **180/34C**
 — — 'Cruickshank' : **133/39C**
 — — 'Dorothy Renton' : **133/37C**
 — — 'Sikkim' : **133/1C**
 — 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**
Meles meles (Badger) : **179/20**
Melia azedarach : **137/29C**
Melica altissima : **179/11**
 melittophily (pollination by Hymenoptera) :
153/31
Melosperma andicola : **173/16**, /19C
Mentzelia laevicaulis : **142/94C**
Merendera (Colchicum) : **136/3**; **147/17**
 metamorphic rock : **170/6**, /7, /9, /30; **174/4**
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 : **152/33**
 — verna : **177/12**
Mitrodetus dentitarsus (as pollinator) :
138/25, /29C

Mniodes pulvinata : 154/5, /6C
Moehringia lateriflora : 183/41
Moluccella laevis : 138/24
Monachosorum henryi : 145/55
Monardella odoratissima : 142/99
 Montenegro : 152/4
Montiopsis andicola : 173/30
 — 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
 — spatulata : 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
Muscari sensu lato, 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
 — neglectum : 184/56
 — 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
 — zagricum : 176/3
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
 — sinuata : 173/28C
 — 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
Mycerobas carnipes (White-winged Grosbeak)
 : 179/21
 mycorrhizal fungi : 143/6; 181/39
Myosotis asiatica : 184/56
 — sylvatica : 177/12C
Myricaria bracteata : 179/9, /10C
 — squamosa : 179/9
Myriopteris (syn. **Cheilanthes**) gracillima :
 (Lace Lip Fern) : 170/13
Myrteola nummularia : 144/22
Narcissus 'February Gold' : 180/13
 — '[Hatdance](#)' : 143/72
 — 'Jetfire' : 180/12C, /13
 — 'Quickstep' x fernandesii : 143/71, /72C
 — 'Xit' (N. rupicola subsp. watieri hybrid) :
 143/73C
 — bulbocodium : 153/44
 — — bulbs potted : 165/9C
 — poeticus : 180/61C
 — pseudonarcissus : 180/15C
 — romieuxii : 153/44
 — scaberulus : 153/44
Nartheicum californicum : 142/96
 — ossifragum (Bog Asphodel) : 170/43C
Nassauvia digitata (Asteraceae) : 144/22,

- /33C
- Nassauvia** pinnigera : **173/36**
- pyramidalis : **173/1C**, /16, /18C
 - lagascae : **173/7C**
 - 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**; **179/21**
- Neotinea** lactea : **180/86**
- maculata : **163/26C**
 - (**Orchis**) tridentata, protocorm : **156/53C**; **180/86C**
 - ustulata : **171/27C**; **180/55C**, /87
- Neotrinia** splendens : **183/34**
- Neottia** nidus-avis : **171/28C**; **181/40C**
- — pollination : **171/28**
 - ovata : **171/11C**, /37; **180/53C**
- Nepal/Tibet, Kanchenjunga : **161/36**
- Netherlands : **171/2**, /3, /4, /10, /12, /16, /17, /27, /40; **180/77**
- Amsterdam : **163/3**
- Drenthe province, Holtingerveld : **171/40**
- Hunebed dolmen : **171/41C**
- Gelderland province, Emst, Het Vossenbroek : **171/37**
- Lelystad : **171/4**; **181/33**
- North Holland province, Ijmuiden : **171/17**
- — Kennemerstrand : **171/14**, /16, /17
 - Schoorl Dunes : **171/12**
 - Wijk aan Zee : **171/13**
 - Zwanenwater : **171/9**
- South Holland province, Meijendel : **171/18**
- The Hague : **171/18**
- South Limburg : **171/31**, /32, /36
- Bemelen : **171/34**
 - Gerendal : **171/31**
- Texel : **171/6**, /8
- intensified land use : **171/8**
- Wadden Sea : **171/6**, /8
- Zeeland province : **171/17**, /19
- Nevski plant community (NW Iran) : **150/14**
- New Zealand
- Queenstown : **178/3C**, /11
- Remarkables Range : **178/3C**, /4C, /11
- Double Cone : **178/5C**
 - Lake Alta : **178/3**, /4, /5C, /6C, /7, /10
 - — geology : **178/6**
 - Lake Wakatipu : **178/3**
 - Single Cone : **178/3**, /5C
- Southern Alps, Mt. Cardrona : **178/9**
- Mt. Saint Bathans : **178/9**
- Nigella** arvensis : **180/77C**
- 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**; **177/5**; **184/31**
- Jablanica Mountains : **152/3**, /7, /8, /9, /10, /11C, /12C, /13C, /28
 - Radika Gorge : **177/5**
 - Šar Panina : **152/3**, /8, /9, /28; **177/2**, /4, /20, /21C
 - — (Sharr Mountain) [flora checklist](#) : **177/12**
 - — Popova Šapka : **152/7**, /25C; **177/3**, /4C, /11C, /12
 - — — Hotel Scardus : **177/11C**
 - — Titov Vrv : **177/17**
 - Skopje : **177/4**
 - Tetovo : **177/4**
- 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**; **173/36**
- 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

[Aberconwy](#) (Wales, Glan Colwyn) : **176/33**

Asiatica (USA, Pennsylvania; closed) :
161/9

[Avon Bulbs](#) (UK, Somerset) : **164/34**

B. Ruy (Netherlands, Dedemsvaart) : **139/4**

Ballyrogan (N Ireland, Co. Down) : **180/19**

Barbier Frères (France, Orléans; closed
1972) : **139/4**

[Blackthorn](#) (UK, Leighton Buzzard) : **167/4**

Buried Treasure (Wales, Carmarthen,
Porthyrhyd) : **162/7**

Callie's Beaux Jardin (USA, Wisconsin;
closed) : **139/14**

Caprice Farm Nursery (USA, Oregon; closed
c. 2009) : **139/4**

[Crûg Farm Plants](#) : **145/2, /50, /57; 161/33**
/40, /48; 180/45

Chileflora : **138/20**

Daisy Hill (N. Ireland, Newry) : **175/24**

[Dryad Nursery](#) (UK, North Yorkshire,
Tockwith) : **155/2, /12; 163/29**

Duncan & Davies Nurseries (New Zealand,
New Plymouth) : **177/2**

[Edrom](#) (UK, Berwickshire, Eyemouth) :
133/2; 167/15

[Emorsgate Seeds](#) (UK, Norfolk, King's Lynn)
: **156/58**

Farndale Plants (UK, Yorkshire) : **164/8**

[Fraser's Thimble Farms](#) (Canada, BC) :
178/30

Gilbert H. Wild & Son (USA, Missouri,
Sarcoxie) : **139/4**

Glenbrook Bulb Farm (Australia, Tasmania)
: **143/72**

Gräfin von Zeppelin (Germany, Sulzburg-
Laufen) : **139/4**

Green Ice Nursery, Netherlands (closed) :
141/53, /54

Green Mountain Nursery (USA, Vermont) :
175/10

[Growild Nursery](#) (Scotland, East Ayrshire,
Cumnock) : **156/58**

Horst Gewiehs Blumenzwiebelimport :
135/16C, /17C

Hythe Alpines (UK, Norfolk, Thetford;
closed) : **156/34**

Inshriach (Scotland, Aviemore; closed) :
167/15

[Jānis Rukšāns](#) : **136/58C, /61C, /68C, /70C,**
/72C; 140/18

Kelways (UK, Somerset) : **139/4, /14, /15**

Klehm Nursery (USA, Illinois; closed) :
139/14

[Lambley Nursery](#) (Australia, Victoria) :
143/73

Mt. Tahoma Nursery (USA, WA) : **178/25**

[Nova Zahrada](#) (Czechia, Mořice) : **140/2, /3;**
168/11

Ornamental Nurseries (Czechia, Litomyšl) :
155/21

Phedar (UK, Stockport) : **139/21**

[Pivoines Rivière](#) (France, Crest) : **139/14**

Plant Delights (USA, NC, Rayleigh) : **175/25**

[Plant World Seeds](#) (UK, Devon, Newton
Abbot) : **156/58**

[Pottertons](#) (formerly 'Potterton & Martin';
UK, Lincolnshire, Nettleton) : **181/11**

[RarePlants](#) (Wales, Wrexham) : **162/51, /52**

[Silverhill Seeds](#) (South Africa, Cape Town) :
143/92; 149/2

Siskiyou Rare Plant Nursery (USA, OR) :
178/21

Stauden Feldweber, Austria : **139/4**

Temple Nursery (USA, NY, Templesburg) :
175/15

Tile Barn Nursery (UK, Kent; closed) :
141/54

[Telos Rare Bulbs](#) (USA) : **178/30**

Terra Nova (USA, Oregon) : **180/26**

Tira Nurseries (Israel; closed) : **146/3, /54C**

Van Meeuwen & Zonen : **135/11P, /13**

Van Tubergen : **134/5; 162/20**

[Veitch Nurseries](#) : **180/32**

[Wrightman Alpines Nursery](#) (Canada, New
Brunswick) : **141/43**

Zocher & Co. (Netherlands, Haarlem) :
135/12

Nyssa sylvatica : **133/43C**

Odocoileus virginianus (white-tailed deer) :
175/6

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**

— *nicolae* : **174/46C**

Omphalodes luciliae : **135/1C, /22, /24C**

Omphalogramma viola-grandis : **135/48C, /49**

Onopordum acanthium (Scottish Thistle) :
137/23

Ophiopogon sp. : **145/55**

Ophrys apifera : **163/19C**; **171/6**, /**10C**, /17, /28, /30; **180/77C**, /78

— autogamy (self-pollination) : **171/11**

— arachnitiformis : **175/33C**, /**34C**, /36, /47

— f. specularia : **175/34C**, /**35C**

— araneola : **175/44**, /**45C**; **180/50**

— aurelia : **175/39**; **180/55C**, /87

— aveyronensis : **181/33**, /**34C**

— aymoninii : **181/34C**

— corbariensis : **180/73C**, /75, /83

— delforgei : **175/44C**

— demangei : **180/63C**, /83, /84

— druentic : **180/80C**, /**81C**, /83

— drumana : **180/56C**

— ferrum-equinum : **163/15C**

— f. labiosa : **163/16C**

— f. subtriloba : **163/16C**

— subsp. gottfriediana (O. gottfriediana) : **163/16C**

— fragrans : **163/24C**

— fuciflora (= O. holoserica) : **171/20C**, /**21C**, /**22C**, /30; **180/58C**, /73

— (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**

— germination : **156/54**

— gottfriediana : **163/16C**

— gresivaudanica : **180/63**, /**64C**, /83

— helenae : **156/59C**

— — seedlings : **156/56C**

— herae : **163/19C**

— homeri : **163/27C**, /**28C**

— insectifera : **171/24C**, /**25C**, /30, /37; **180/54C**; **181/34**, /**35C**

— iricolor : **163/24C**

— linearis (syn. O. pseudoscolopax) : **175/39C**, /**40C**, /**41C**

— lupercalis : **175/43C**

— lutea : **175/41C**

— mammosa : **163/18C**, /19

— massiliensis : **175/42C**, /**43C**

— montiliensis : **180/82C**, /**83C**

— montis-aviarii : **180/72C**, /73*

— occidentalis (syn. O. arachnitiformis subsp. marzuola, O. marzuola) : **175/36C**, /**37C**, /47

— omegaifera : **163/23**

— (omegaifera group) : **163/23**

— — sitiaca : **163/23C**

— passionis (syn. O. exaltata subsp. marzuola, O. arachnitiformis var. passionis) : **175/37C**, /**38C**, /**46C**

— passionis × O. aurelia : **175/39C**

— philippi : **180/71C**

— querciphila : **180/59C**, /83, /**84C**

— reinholdii : **163/17C**

— santonica : **180/75C**, /76C

— saratoi : **180/57C**, /87

— scolopax : **180/81C**; **181/35C**, /**36C**

— (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**

— sphegodes : **175/31**, /**32C**

— splendida : **180/65C**, /78

— vetula : **180/75**

— virescens : **180/50C**

Ophrys of southern France : **175/2**, /31-47; **180/50-93**

Opuntia ficus-indica : **137/20C**

— sp. (Utrecht BG) : **152/42C**

[Orchidaceae](#) on SRGC Forum : **156/59**

[Orchids of Britain & Europe](#) : **175/47**

Orchids of The Low Countries : **171/3-41**

Orchis, germination : **156/54**

— anatolica : **163/21C**

— anthropophora : **163/21C**; **171/23**, /**24C**, /37; **180/52C**; **181/46**

— (Anacamptis) fragrans : **180/69C**, /**70C**

— italica : **156/56C**; **163/15C**

— mascula : **167/4**; **171/34C**

— militaris : **171/31C**, /**32C**; **180/54C**; **181/36**, /**37C**, /46

— × O. anthropophora : **171/35C**

— × O. purpurea : **171/34C**

— × O. simia : **171/35C**

— morio (syn. Anacamptis morio) : **163/1C**; **171/8C**, /**9C**

— — subsp. caucasica : **163/20C**

Orchis (Androrchis) provincialis : 180/51C

— *purpurea* : 171/28C, /29C, /37; 180/52C; 181/40C, /41C, /46

— — *white form* : 180/86C

— *sancta* : 163/25C

— *simia* : 144/93C; 171/29C, /37; 180/51C, /54

— — × *O. anthropophora* : 171/36C

— — × *O. purpurea* : 171/29C

— *spitzelii* : 181/54C

Oreobolus pumilio : 142/43C; 183/9

— *sp.* : 142/62C

Oreomyrrhis pulvinifica : 183/9

Oreopolus glacialis : 173/11C, /12C

Oriastrum chilense : 173/15

— *dioicum* : 173/15

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

— *sintenisii* : 184/56

— *umbellatum* : 134/26C

Orobanche coerulescens : 183/29

Orostachys spinosa : 183/24C, /26, /29, /39, /40, /50

Orthilia secunda : 183/41

Osmocote® Exact Mini : 139/43

— *Pro* : 180/29

Osteospermum fruticosum : 137/5, /7C

Otonycteris hemprichii (Desert long-eared bat) : 169/16

Ourisia coccinea : 179/42C

— *microphylla* : 145/26, /31C

— *ruelloides* (syn. *O. poeppigii*) : 144/46C, /47C

— — *assumed autogamy* : 144/46

Ovidia andina : 144/22

Ovis ammon (Marco Polo Argali) : 179/19

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; 173/8C

— *eremobia* : 138/31, /32

— *erythrorhiza* : 138/31, /34

— *famatinae* : 138/31, /34

— *gigantea* : 138/38C

— *holosericea* : 138/31, /33

— *hypsochila* : 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; 173/36C

— *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; 173/23C

Oxalis strictula : **137/37, /38C; 138/31, /33**

— subacaulis : **138/31, /32**

— valdiviensis : **138/31, /32, /36C; 145/26, /30C**

Oxyria digyna : **179/16**

Oxytropis chionobia : **179/17**

— coerulea : **183/26**

— globiflora : **179/11**

— halleri : **181/62C**

— lanata : **183/44C, /47**

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**

— archibaldii : **184/56**

— arietina : **139/14**

— cambessedesii : **143/81C**

— daurica subsp. mlokosewitschii : **164/25**

— delavayi : **139/32C, /34**

— — self-compatibility : **139/33**

— hybrida : **181/28C**

— 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; 179/40C**

— — conservation ex situ : **139/26**

— — cv 'Northern Light'? : **179/40C**

— — 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**

— tomentosa : **184/56**

— wendelboi : **164/25**

— × mlokoboi : **164/25**

— × suffruticosa 'Liba' (= 'Madame Horák') : **139/3**

Pakistan, Balochistan, Chagai, Saindak :

164/30
Paludorchis (Orchis) laxiflora : **180/70C**
 Pamirs : **179/5**
Pandion haliaetus (Osprey) : **169/16**
Pandorea jasminoides : **137/16, /17C**
Panicum acuminatum var. *fasciculatum* :
 (Pacific Panic Grass) : **170/18**
Panthera unica (Snow Leopard) : **179/19, /20C**
Papaver ammophilum : **183/44C**
 — *croceum* : **179/11**
 — *pavoninum* : **145/4C; 149/94C**
 — *somniferum* : **137/9C**
 — *tianschanicum* : **179/17**
Parantennaria uniceps : **183/9**
Paraquilegia caespitosa : **135/39; 179/16**
 — *microphylla* : **135/44, /46C**
Parasenecio monanthus : **145/56**
 — *nokoensis* : **145/56**
Parnassia palustris : **170/46; 183/34**
Parrotia persica : **184/47**
 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**
Parrotia persica : **182/44C, /48**
Patrinia sibirica : **183/34C, /39, /40, /50**
Paysonia : **151/21**
 peat : **148/68; 165/9**
 — garden, situation : **152/48**
Pedicularis alberti : **179/13C**
 — *cadmea* : **135/22**
 — *davidii* : **135/49**
 — *dolichorrhiza* : **169/9, /10C**
 — *monbeigii* : **135/42**
 — *resupinate* : **183/41**
 — *rubens* : **183/29, /41**
Pelargonium cultivars : **137/7C**
 — 'Vancouver Centennial' :
 134/38C
 — *triste* : **143/78C**
Pellaea bridgesii (Bridge's Cliff-Brake) : **170/13**
 — *mucronata* var. *mucronata* : **174/30**
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
Pentagramma triangularis subsp. *triangularis* :
 174/30
 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**
 Abolin, Robert I. : **179/5**
 Achilles, Hans : **133/9, /18**
 Adams, Michael (Johann) Friedrich : **150/3; 160/3**
 Advay, Mahfouz : **160/21, /22; 172/1C, /2C, /3-24, /9, /14**
 Albury, Sydney : **174/43**
 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; 176/2, /3-14; 184/33-68**
 Allshire, Ashley : **171/2**
 Almond, Jim : **178/26C**
 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; 177/5, /15; 178/2**
 Armand, David : **139/32**
 Armstrong, Wayne : **178/19C, /24C, /27C, /28, /31**
 Arthur, Will : **143/2C, /71**
 Astargo, José Antonio 'Cotello' : **138/19C, /44**
 Avent, Tony : **161/18; 175/10C, /12C, /25C, /28**
 Avery, Don : **175/10, /28**
 Avery, Lela : **175/10**
 Ayton, Alan : **134/45C, /46C; 142/1C, /2C;**

/3-72 ; **143/1C**, /2, /51-70; **178/2C**, /3-11;
182/2, /5-11; **183/2**, /3-18
 Ayton, Tully : **183/16C**, /**18C**
 Baker, John : **147/17**; **148/3**; **150/5**
 Baker, Ruby : **164/34**
 Baláž, Jaroslav : **137/2**, /53-57
 Banketov, Sergey : **147/35C**, /**36C**; **182/1C**,
 /**23C**, /**24C**, /26, /52; **184/34**
 Bankov, Stefan : **155/21**
 Banks, Joseph : **178/16**
 Barkla, John : **178/9C**, /**11C**
 Barnard, Jasmin : **162/2**
 Barnard, Robert : **151/2C**; **162/2**, /58-63;
170/1C, /2, /3-36; **174/1C**, /2, /3-34;
178/31C
 Barstow, Stephen : **134/43C**
 Bartning, Esther : **135/12P**, /13
 Batty, Helen : **164/23**
 Bauer, Franz : **178/14**
[Baxendale, Leo](#) : **164/11**
 Bayer, 'Traudl' : **156/19**
 Baytop, T. (ISTE 31877) : **134/5**
 Becker, Wilhelm : **145/40**, /41; **153/5**, /6,
 /7, /**16D**
 Beckett, Kenneth : **174/43**
 Beeston, Ron : **162/7**
 Bell, Robin : **175/9**, /22, /28
 Bell-Butler, Paul : **178/8C**
 Belov, Michail : **132/20C**, /**21C**, /**43C**;
138/20; **144/27C**; **145/27C**; **156/5**, /9,
 /**20C**, /33
 Belyalov, Oleg : **151/35**
 Benjafield, Janet : **175/28**
 Berger, Zdeněk : **141/54**
[Berthelot, Sabine](#) : **159/4**
 Bertoloni, Antonio : **167/15**
 Bialock, Sasha : **175/28**
 Bigelow, Otis : **175/16**
 Billiet, Ruben : **133/5C**, /**7C**, /**11C**, /**14C**,
 /**15C**, /**16C**, /18; **164/12C**, /23
 Bishop, Joy : **164/34**
 Bishop, Matt : **164/8**, /**9C**, /18, /34; **175/28**
 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 ; **175/1C**, /2, /3-30 ;
176/1C, /2, /15-31
 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**
 Borgonje, Geert : **174/2C**, /35, /36, /40
 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**
 Britten, James : **178/15**
 Brodie, James : **178/16**
 Brown, Helen ([website](#)) : **151/29C**
 Brown, Robert : **143/19**; **178/16**
 Browne, Sergio Ibáñez : **144/12**
 Buchanan, Barbara : **164/33**
 Buchanan, Charles : **164/33**
 Bullivant, Anthony : **180/45**
 Bullivant, Elizabeth : **180/45**
 Burkhardt, Carsten : **139/3**
 Burlington, James : **175/16**
 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
 Byman, Mary : **178/21**
 Cabrera, Angel : **135/4**, /5, /8
 Cadagan, R. : **144/49C**
 Calkins, Timothy : **155/2**, /13-20, /**19C**
 Carruthers, Joyce : **138/16**; **176/32**
 Carson, Brian : **175/10C**, /**13C**, /**14C**, /**15C**,
 /20, /21, /**22C**, /28
 Carver, David : **149/2**, /91-92
 Case, Frederick : **175/14**, /17, /26
 Case, Roberta : **175/17**
 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**
 Chapman, Diane : **178/30**
 Chaworth-Musters, Maria : **164/34**, /35

Chaworth-Musters, Robert : **164/34**
 Cheese, Martyn : **156/4, /8, /13, /25, /33; 174/43**
 Chen Yi : **161/16, /20, /22, /30, /49**
 Chen Zilin : **168/24**
 Cherezov, Konstantin : **183/1C, /2C, /19-54**
 Christenhusz, M.F. : **148/9, /39**
 Christensen, Bo : **156/58**
 Christiansen, Henning : **164/31**
 Christian, Paul : **162/6, /7, /9, /10, /51, /52**
 Christie, Ian : **175/28; 179/33**
 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**
 Close, Chris : **178/9C**
 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**
 Cook, Alleyne : **177/2, /23, /26C, /27, /28C, /29C, /30C**
 Cook, Barbara : **177/27, /28C, /29C, /30C**
 Corazza, Gianluca : **133/18**
 Corden, Julia : **179/2C**
 Cornish, Phil : **164/35**
 Correa, Maevia Noemi : **153/8, /36**
[Costea, Gabriela](#) : **175/4C, /7C**
 Cox, Kenneth : **139/30; 177/2**
 Cristini, Marco : **159/2C, /3-33**
 Crocker, Lawrence : **178/21**
 Croucher, Dean : **164/5C, /23**
 Culbert, Dick : **144/38C, /49**
 Culos, Roger : **151/29C**
 Cumbleton, Paul : **156/21**
 Cunningham Copeland, Pamela : **175/17**
 Dambrauskas, Eugenius : **181/32 ; 182/4**
 Dancer, Carol : **139/27**
 Dandois, Philippe : **144/6C, /12**
 Davis, Aaron : **136/2**
 Davis, PH : **174/49**
 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 ;**

176/2C
 Delavay, Jean Marie : **139/32**
 Delforge, Pierre : **175/36, /44, /47; 180/73**
 Dench, Ian : **178/7C**
 Denney, Martyn : **141/2, /55 ; 148/20C**
 Depalle, Frédéric : **146/1C, /2C, /3-73, /35C ; 182/23, /26, /52**
 Depalle, Mathieu : **146/2C**
 Diez Dominguez, Rafael : **146/4D**
 Dillon, Joe : **178/8C**
 Dolatyari, Alireza : **149/75, /76, /78, /79C, /80C, /83C, /84C, /85C, /86C, /89; 150/2, /44, /47C, /47-93, /93C; 151/17; 160/39 ; 172/22, /24 ; 184/16C, /27, /64**
 Don, David : **156/14**
 Dörfler, Ignaz : **167/15**
 Drake, Jack : **167/15**
 Dress, Bill : **175/9**
 Drew, Ray : **133/6, /18**
 Duby, Jean Étienne : **167/14**
 Duncan, Brian : **165/8**
 Dunlop, Gary : **180/19**
 Dryden, Kath : **164/34; 175/27; 180/40**
 Dusek, Edith : **175/27**
 Edwards, Anton : **139/19; 150/2; 179/2C, /23-48; 181/2**
 Edwards, Margaret : **139/19; 150/2; 179/2C, /23-48**
 Eijkelenboom, Gerrit : **163/1C, /2, /3-28; 171/1C, /2, /3-41; 175/2, /31-47; 180/2, /50-93, /93C; 181/2, /33-63, /38C**
 Eijkelenboom, Ibelje (Iep) : **175/2; 180/2C, /50-93; 181/2, /33-63**
 Elgueta Donoso, Mario Enrique : **138/44**
 Eilertsen, Tom-Ivar : **132/49**
 Elguita, Emma : **144/7C, /8C, /9C, /12**
 Elick, Don : **180/47**
 Elkin, Harry : **175/14, /27**
 Elliott, Jack : **164/34**
 Elliott, Joe : **177/6**
 Elvebakk, Arve : **132/3-50**
 Elwes, Carolyn : **164/34**
 Engelmann, Hagen : **133/3C, /8C, /9C, /17C, /18C; 135/14, /16C, /17C**
 Erminass, Mārtiņš : **134/19; 144/91; 147/16; 149/90; 150/92; 151/17; 152/29; 172/24**
 Erol, Osman : **144/2, /57; 162/31; 182/31**
 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**
 Fedchenko, Boris : **181/3**, /17
 Ferdowsi, Abul-Qâsem : **176/10**
 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**; **177/6**
 Fischer, Hubert A. : **139/5**
 Floden, Aaron J. : **161/1C**, /2C, /3-54
 Flores Watson, Ana Rosa (Anita) : **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**; **174/43**, /44C,
 /45C, /47C, /48C, /49, /50
 Flores, Miguel : **145/44**
 Fomin, Oleksandr : **184/57**, /58
 Foster, R : **181/3**
 Fragman-Sapir, Ori : **151/31C**, /32C, /33C,
 /34C
 Franchet, Adrien R. : **139/32**
 Fritsch, Reinhard : **150/82**; **181/22**
 Furse, Paul : **184/17**, /35
 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**
 Ghelichnia, Hassan : **184/27C**
 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**
 Gremlí, August : **167/14**
 Grey-Wilson, Christopher : **147/17**, /19;
161/28; **173/50**
 Griffiths, Frank : **175/16**
 Grimshaw, John : **133/18**; **164/11**, /14C,
 /16, /18C, /19, /20, /23
 Grimshaw, Peter : **164/14**
 Grossheim, Alexander : **147/19**; **148/6**;
182/13, /19, /26
 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; **182/19**
[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**; **181/3**
 Halverson, Jean : **175/28**
 Hance, Henry Fletcher : **139/32**
 Hanslik, Eduard : **162/40**
 Harland, Gail : **139/34**; **183/55**
 Harland, William : **178/8C**
 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; **179/2C**, /3-22
 Hendrikx, Paul : **141/55**
 Herbert, William : **164/3**
 Hewan, T. : **173/50**
 Highland, Amy : **175/28**

Hinkley, Dan : **145/49**
 Hlavoň, Zdeněk : **171/2, /44C**
 Hodgkin, Eliot : **164/37**
 Hoek, Gert : **174/2, /35-40**
 Hoekstra S. : **168/10**
 Hoffmann, Adriana : **137/19**
 Hofman, Jaroslav : **139/4**
 Holík, Pavel : **142/73, /75; 156/2, /40-41**
 Holitscher, Ondrej : **184/30**
 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; 178/12D, /14**
 Hope, John : **178/16**
 Hoppel, Michal : **177/21C**
 Horák, A. : **139/3**
 Horák, David : **146/73; 148/62**
 Hoy, Trond : **139/31**
 Hynes, Jo : **141/54; 164/4C**
 Ineson, Donald : **180/3**
 Ingham, John : **149/72; 150/4; 160/6, /24; 172/22, /24**
 Ingwersen, Wil : **178/21**
 Innes, Rod : **178/21C**
 Ionov, Rostislav N. : **179/6**
 Ireland-Jones, Chris : **164/34**
 Jacobs, Don : **175/26**
 Jalili Khiabani, Sholeh : **151/17; 184/27, /64**
 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; 184/50C, /64**
 Jermyn, Jim : **133/2C, /19-46; 167/15; 176/32**
 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; 172/24; 182/52; 184/2C, /3-29, /31**
 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**
 Kazemi, Farshad : **184/33-68**
 Keatley Garvey, Kathy : **153/32C**
 Kelaidis, Panayoti : **132/51-58; 144/93**
 Keller, Gottfried : **163/16**
 Kelly, John : **167/15**
 Kelly, Sue : **153/29C**
 Kendirbaeva, Saltana : **179/2C, /3-22**
 Kenzhebaeva, Nazgul : **169/2C, /3-19; 179/2C, /3-22**
 Kerbert, J.J. : **135/12**
 Kerndorff, Helmut : **149/79; 150/48; 162/4, /31, /32; 164/2; 165/25, /28; 172/7, /8; 182/16; 184/6**
 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**
 Kline, Boyd : **178/21**
 Knoche, Gerd : **167/13**
 Kolbintsev, Vladimir : **141/2C, /9, /24C, /25, /27, /39, /44, /45C; 148/43**
 Komarov, E. : **148/40C**
 Kormilitsyn, YG : **179/21**
 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**
 Kristensen, Karl : **175/3C, /9C, /11C, /14C, /16C, /17C, /21C, /24C, /25C, /26C, /28**
 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**
 Lammers, Jos : **171/17C, /41**
 Lancaster, Roy : **161/30; 164/35; 168/2C**
 Lang, Karel : **148/60, /62, /63**
 Lavandero, Nicholas : **144/12**
 Lawrence, Bev : **183/13, /14C**
 Lawrence, Elizabeth : **155/18C**
[Lazkov, Georgy A.](#) : **140/2, /16C, /19C, /20C, /25; 168/11**
 Le Piniec, Marcel : **178/22**
 Lear, Edward : **164/38**
 Lebedeva, Ludmila P. : **179/6**
 Lemmens, Josef : **148/68C**
 Lesley, Alan : **180/9**
 Li Shujuan : **168/24**
 Lidén, Magnus : **150/26; 181/3, /22, /32**

Lighty, Richard : **175/13**
 Linnaeus, Carl : **144/14; 159/4**
[Little, John](#) : **166/30**
 Llewellyn, Peter : **138/18**
 Lobb, William : **180/32**
 Lonsdale, John : **155/13, /18, /19C; 164/5**
 Lourteig, Alicia : **144/5**
 Ludlow, Frank : **139/30C, /31; 148/52**
 Lundell, Tage : **175/27**
 Lupp, Rick : **178/25**
 Lyman, Hitch : **175/16**
 Mackenzie, Ronald : **164/34; 180/41**
 MacPhail, James : **174/43**
 McBeath, Ron : **161/36**
 McDonough, Mark : **161/32**
 McMurtie, Alan : **132/51C, /52C, /58C**
 Magi, Luca : **173/2, /3**
 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; 172/3, /4, /6, /7; 184/3**
 Mauser, Michael : **173/2, /37-50**
 Maw, G. : **162/3, /4, /15, /28, /30, /31; 172/3**
 Mear, Doreen : **151/29C**
 Menzies, Archibald : **178/13, /14, /15, /16**
 Metodiev, Kiril : **177/22C**
 Meudt, Heidi : **144/50**
 Michaux, André : **175/4**
 Millward, David : **139/33; 156/36; 177/5C**
 Milner, William : **180/10**
 Mishustin, Ruslan : **184/35, /64**
 Mitchell, John : **151/35; 183/13C, /14C, /15C**
 Mitchell, Tom : **155/13; 184/51C, /52C, /53C, /64**
 Moen, Geir : **154/2, /17**
 Monbaliu, Daniëlle : **133/18; 175/2**
 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**
 Mylemans, Herman : **175/20C, /28; 180/60**
 Nansen, Fridtjof : **164/9**
 Naroozi, Jalil : **184/64**
 Nauman-Horný, Jaroslav : **139/36**
 Naumenko, Alexandr : **140/2, /3-27; 141/22C, /44; 168/11**
 Nicholson, David : **170/2**
 Nieuman, Wiert : **152/33**
 Nikitina, Ennafa V. : **179/6**
 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**
 Nye, Clarence : **178/21**
 Obrdlík, Zdeněk : **148/53, /55C**
 Oganezova, Gohar : **147/17**
 Ogisu, Mikinori : **161/30**
 Onel, Daniel : **138/44**
 Orton, Elwin : **180/42**
 Owen, Margaret : **164/34, /35**
 Owen, Travis : **178/17C**
 Pace, Glen : **175/18C, /19C, /27C, /28C**
 Page, John : **169/36**
 Pallas, Peter Simon : **148/37, /39**
 Papapolymerou, George : **152/29; 162/8C**
 Papoušek, Jiří : **138/2, /3-14; 151/35; 178/3**
 Parker, Bill : **144/50**
 Parker, Gerard : **164/33**
 Pasche, Erich : **134/5; 150/48; 162/4, /31, /32; 164/2, /25; 165/13, /28; 172/22C, /24**
 Pavelin, Roy : **143/93**
 Pavelka, Mojmir : **138/16, /17C**
 Paznocht, František : **176/32, /34C**
 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**
 Petrov, Jan Petr : **184/31**
 Petrova, Eva : **184/10, /29C, /30-32, /32C**
 Petterson, Helga : **144/37C; 156/5, /9, /33**
 Philippi, M. : **180/71**
 Pilous, Vlastimil : **139/2C, /35-40, /49-58; 142/2, /73-83; 151/2, /24-34; 152/29; 162/11**
 Pinto, Raqual : **144/12**
 Plavkova, Otká : **184/30**
 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, Ghilleen : **140/2**
 Pratt, Doug : **175/28**
 Prins, Pieter : **156/58**
 Probst, Darrell : **161/30**
 Proudfoot, Phillipa : **139/27**
 Rakestraw, Agnes : **175/18**
 Rakestraw, George : **175/18**
 Rawson, Donald : **175/23C, /28**
 Rechinger, K. : **148/19**
 Regel, Eduard (von) : **166/7**
Řeháček, Zdeněk : **146/2, /66; 151/2, /19-23; 155/2, /21-23; 171/2, /42-43; 172/2, /30-31**
 Reiche, Carlos : **153/16D**
 Reiche, K. : **145/41**
 Renton, Dorothy : **133/21**
 Repnow, Anne : **164/9, /22, /23**
 Reznicek, Anton (Tony) : **175/16, /28**
 Rhodes, Charles : **175/26**
 Rhodes, Frank : **175/12**
 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; 177/1C, /2, /3-22; 180/1C, /2, /3-49, /3C**
 Rosas, Marcelo : **132/44C, /49**
 Rosei, Pietro : **151/17**
 Rossow, Ricardo : **153/8, /36**
 Rukšāne, Guna : **134/19; 144/91; 147/16; 151/17; 165/2; 181/32; 184/2C**
 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; 172/1C, /2, /3-24, /25-28; 181/1C, /2, /3-32, /16C, /31C; 182/2C, /12-53; 184/2C, /3-29, /30-32, /33-68**
 Russell, Jim : **177/26**
 Saavedra, Christian : **144/48C**
 Salami, Alireza : **149/72, /74C, /75C**
 Salisbury, Richard : **175/4; 178/14, /15, /16**
 Salter, Terence M. : **144/5**
 Samad, Nour Abdel : **146/5**
 Samaras, Theodoros : **144/2, /80, /83C, /88C, /90C, /91 ; 182/52**
 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**
 Savoie, Suzie : **178/22C**
 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 ; 181/3 /16C, /17, /21, /22, /23, /32 ; 182/2C, /4, /26; 184/35, /64**
 Sekerka, Pavel : **139/2C, /3-18**
 Semenov, Pyotr P. : **179/5C**
 Seth, Kenton : **148/2, /69, /70**
 Severtsov, Nikolai A. : **179/5**
 Shackleton, David : **180/20**
 Shahak, David : **146/3, /54C**
 Shannik, Ken : **177/23, /25, /26C**
 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**
 Shebs, Stan : **178/15C**
 Shelley, Stephen : **166/2**
 Sherriff, Betty : **139/30**
 Sherriff, George : **139/30C**
 Shukurov, EJ : **179/21**
 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**
 Slade, Naomi : **183/55**
 Slovinský, Tomáš : **137/52C**
 Smith, Connor : **134/41-47; 146/2, /67-73; 152/2C, /31-58; 154/2, /15-16; 173/1C, /2, /3-36**
 Smith, Eric : **177/5**
 Smith, Geoffrey : **180/39**
 Smith, Harry : **148/52**
 Smith, James : **175/20; 178/15, /16**
 Smith, Jim : **177/5**
 Smith, Thomas : **175/24**
 Smith, Vernon : **178/16C**
 Smith, William : **175/20**
 Smyth, Mark : **164/6C, /23**
 Soják, Jiří : **138/15**
 Sovetkina, Margarita M. : **179/5**
 Sözen, Ibrahim : **162/15, /31, /56**
 Speta, Franz : **160/10, /11**
 Spray, Diane : **153/35C**
 Spry, Constance : **177/26**
 Spriggs, Paul : **148/2, /69**
 Stanley, Beatrix : **164/33**
 Šťásek, Zdeněk : **139/41**
 Stefanov, Boris : **147/17**
 Sternberk, Kašpar Maria : **139/49**
 Stephens, David : **182/31, /52**
 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; 177/7; 182/31, /33C**
 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**
 Teuscher, Henry : **175/20**
 Thomsen, Rita : **164/10, /23**
 Tian Daike : **168/1C, /19-31**
 Timmerman, Mariette : **135/19C; 164/16, /17, /23**
 Titmarsh, Alan : **180/24**
 Tjeerdsma, Gerben : **134/19; 147/37C, /39; 162/56; 176/7**
 Tomlinson, A. J. : **147/30**
 Tommasini, Muzio Giuseppe Spirito de : **156/35; 164/3**
 Toolan, Patricia : **143/77; 182/2C**
 Topfield, Matt : **141/55C**
 Treba, Nikolai : **141/29**
 Trekhtsvetaya, Fialka : **153/23C**
 Tucker, Mike : **178/1C**
 Turginov, Orzimat : **182/3C, /4C**
 Tvarůžek, Fr. : **139/3**
 Tyron, Steve : **178/28C**
 Uebelhart, Georg : **175/25**
 Urashima, Taro : **176/19, /28**
 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**
 Vavilov, Nikolai : **172/5; 184/5**
 Venter, Stephanus : **142/25**
 Vickery, Kurt : **141/26, /45C**
 Vinogradov, Volodya : **181/17, /32**
 Vlasak, Ora : **176/32**
 Volis, Sergei : **146/5**
 von Bieberstein, Marschall : **141/25**
 von Bohlen, Christian : **132/3-50**
 von Siebold, Philipp F. : **179/37**
 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**
 Ware, Graham : **178/2C, /12-31**
 Watson, Adrienne : **174/42**
 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;**

- 174/2**, /41-51 (obituary), /**41C**, /**44C**, /**48C**, /**50C**, /**51C**
- Watson, Nicola : **174/42**, /**44C**, /**45C**, /50
- Watson, Sarah : **174/42**, /**44C**, /**45C**, /**50C**
- Watt, Penny : **167/13**
- Watt, Peter : **167/13**
- Weagle, John : **159/34**, /35; **177/2**, /23-30, /**26C**
- [Webb, Philip Barker](#) : **159/4**
- Weiss, Rudi : **138/15C**, /**16C**
- Wendelbo, Per : **148/9**; **150/48**; **172/4**, /7
- West, George : **152/35**
- White, Jill : **148/43**; **182/2C**, /52; **184/64**
- White, Robin : **156/38**; **180/14**
- Wikström, J.E. : **141/25**
- Wilhelms, D. : **147/18**
- Willis, Tony : **164/38**
- Wilson, Carol A. : **146/5**
- Winchell, Brian : **175/13**, /14, /28
- 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; **174/2**, /37
- Young, George : **175/10**
- Young, J. Ian : **138/2**, /3-14; **144/2**, /92-93; **148/69-70**; **153/2**, /41-58, /**58C**; **158/1C**, /2; **174/50**; **177/5C**; **180/19**; **181/2C**
- Young, Margaret ([IRG editor](#)) : **139/32**; **153/2**, /41-58, /**45C**; **156/2**; **158/2**; **171/2**; **174/41-51**; **178/3**; **181/2**
- Yuzbasioğlu, S. : **165/26**
- Zenin, Sergei : **140/15C**, /23, /25; **141/41C**, /**42C**, /44; **182/3**
- 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**; **181/3**, /32; **182/2C**, /52
- Zhaporov, Sadyr : **179/20**
- Zita, Karl-Otto : **175/27**
- Zobova : **182/26**
- 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; **172/22C**, /24; **182/2C**, /3, /**4C**, /12-53; **184/2C**, /3-29, /32, /33-68
- 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; **171/2**, /44; **176/2**, /32-34; **178/3**; **184/2**
- perlite : **148/67**, /68; **162/60**; **178/29**
- perlite/vermiculite mix (seed sowing) : **136/5**, /**6C**
- Persian ironwood forests : **184/34**, /36, /38, /46
- 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* carthamoides (Asteraceae) : **173/30**
- nutans : **144/22**
- Perideridia* parishii subsp. latifolia : **170/16**
- permaculture : **169/2**
- Persicaria* bistorta 'Superbum' : **180/35C**
- 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**

Phleum alpinum : **179/14, /16**
Phlojodicarpus sibiricus : **183/45C, /47**
 — villosus : **183/39, /47**
Phlomoides oreophila : **179/11C**
 — tuberosa : **183/40, /45**
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; 172/14**
 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**
 phytoplasma infection, of **Trillium** grandiflorum : **175/9, /21, /27**
Picea obovata : **183/36**
 — orientalis : **147/28; 184/56**
 — pungens : **179/6**
 — schrenkiana : **169/6, /27; 179/9C**
 — smithiana : **135/52**
Pimelea alpina : **182/2, /5C, /6C, /7C, /8C**
 — — flowers : **182/9C**
 — — habitat : **182/5, /10C, /11C**
 — sericea : **142/59C, /60C**
Pinguicula grandiflora : **180/85C**
Pinus brutia : **182/14**
 — 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; 174/10**
 — nigra subsp. pallasiana : **162/31**
 — ponderosa (Ponderosa pine) : **174/7**
 — radiata : **143/30C**
 — sylvestris : **169/6; 183/46**
 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**
 — barbata : **173/34C**
 — depressa : **179/11**
 — glacialis : **183/9**
[Plantarium](#) plant galleries & identification guide (Russian) : **141/25; 181/3, /6C**
Platanthera, germination : **156/54**
 — bifolia : **171/9C, /23, /36, /37**
 — — var. latifolia : **171/10C**
 — chlorantha : **171/9, /23C, /36, /37; 181/44C**
 — dilitata : **142/87, /96**
 — × hybrida : **171/36C**
[Plants of the World Online \(POWO\)](#) : **151/21**
Pleione limprichtii : **133/30C**
Plumatichilos : **143/25**
Poa botryoides : **183/34, /37, /39, /41, /50**
 — pratensis : **179/11**
 — secunda subsp. secunda : **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**
 podzol : **178/21**
 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**
 - — **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**
- Polygala major** : **177/12**
- 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**
 - — GWPH803 : **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**
- Polygonatum** nodosum : **161/31, /43, /53C**
- 'nodosum' ex Chen Yi (= *P. cyrtoneura*, 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**
- 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. mengtzensis*) : **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**
- Polygonum** aviculare : **183/27**
- coriarium : **179/11**
- songaricum : **179/11, /14**
- viviparum : **179/16**
- Polystichum** falcatipinnum : **145/55**
- hancockii : **145/55**
- imbricans subsp. *curtum* (Cliff Sword fern) : **174/17C**
- parvipinnulum : **145/55**
- xiphophyllum : **145/56**
- Ponerorchis** cucullata : **156/48**
- tominagae : **145/56**
- Populus** tremula : **183/36**
- tremuloides (Quaking Aspen) : **170/29C**
- sp. : **141/25**
- Portugal, Madeira : **159/4**
- Potentilla** acaulis : **183/31**
- anserina : **183/34**
- aurea : **177/10**
- biflora : **135/51, /52C**
- bifurca : **183/27, /31**
- flabellifolia : **170/20C**
- gelida : **179/14, /16**
- lignosa : **138/2C, /15-18, /15C, /16C, /17C, /18C, /18L**
- — achene : **138/16**
- — cultivation : **138/18**
- — distribution : **138/15**
- — seed : **138/16**
- longifolia : **183/39**
- montenegrina : **177/17**
- nivea : **179/16**
- Pouyannian mimicry : **143/7**
- Pozoa** volcanica : **145/26, /28C**

Pozoa sp. (Chile, Santiago mountains) :
173/20C

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; 179/14**

— allionii (Utrecht BG) : **152/33**

— alpicola : **180/38**

— auriculata : **184/56**

— beesiana : **180/39**

— bulleyana : **180/39**

— burmanica : **180/39**

— chionantha : **135/49C, /50**

— chungensis : **180/39**

— cockburniana : **180/39**

— deflexa : **135/44**

— denticulata : **180/15, /17C, /20C**

— dryadifolia : **135/44, /47C**

— eliator : **177/13C; 180/16C**

— farinosa : **181/60C**

— fedtschenkoi : **135/34C, /35**

— flaccida : **133/36C; 180/38**

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

— grignensis : **176/32**

— 'Harlow Car' : **180/38**

— (Dodecatheon) hendersonii : **174/26**

— heterochroma : **184/47, /55, /56**

— kaufmanniana : **179/13C**

— 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**

— prolifera : **180/39**

— pulverulenta : **180/39**

— reidii : **135/52, /53C**

— rosea : **135/54C, /55C**

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

— sieboldii : **179/36C, /37C**

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

— sp. (Iran, Gilan) : **160/32**

— spectabilis : **167/7**

— turkestanica : **179/16, /18C**

— veris : **179/36C, /37C; 180/16C**

— — subsp. columnae : **177/17C**

— vialii : **180/38C**

— vulgaris : **174/42; 180/15C, /16C**

— — subsp. sibthorpii : **164/25, /26C**

— whitei : **133/30C**

— zambalensis : **135/44**

primulas, candelabra : **179/34C; 180/35C, /38C, /39C**

Prunus 'Amanogawa' : **164/36**

— divaricata : **141/26; 169/6**

— emarginata (Bitter Cherry) : **170/13, /26**

— lycioides : **150/14; 184/56**

— microcarpa : **184/56**

— padus : **183/47**

— sogdiana : **169/6**

— tianshanica : **140/12, /23**

— ulmifolia : **182/3**

Psathyrostachys fragilis : **150/14, /20, /30, /34**

Pseudomuscari : **134/3; 147/3, /4**

Pseudotsuga menziesii (Douglas fir) : **174/10**

— taxifolia : **169/6**

psychophily (pollination by **Lepidoptera**) :
153/31

Psychrophila introloba (syn. **Caltha** introloba, Alpine Marsh Marigold) : **143/58C; 183/2, /3-18, /3C, /4-6*, /11C, /12C, /13C, /14C, /15C, /16C, /17C, /18C**

— — distribution : **183/7C, /8C**

— — flower : **183/5C, /6C**

— — rosettes : **183/4C, /9C**

— sagittata, habitat : **156/16C**

Pteridium aquilinum var. Pubescens (Western Bracken Fern) : **170/14, /18, /22**

— esculentum : **143/4**

pteridophytes : **170/38**

Pteris dentata : **184/55**

— nervosa : **145/55**

— wallichiana : **145/55**

Pterocarya fraxinifolia : **184/55**

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**
Ptilagrostis mongholica : **179/16**
Ptilotrichum spinosum : **138/13C**
 — tenuifolium : **183/26**
Pulmonaria 'Blue Ensign' : **180/9C, /10**
 — 'Opal' : **180/15C**
Pulsatilla alpina : **167/4**
 — campanella : **179/14; 182/3**
 — halleri : **181/46C**
 — integrifolia : **166/24C**
 — patens subsp. *flavescens* : **183/33C, /39**
 — tenuiloba : **183/40C**
 — turczaninowii : **183/26, /29, /40C**
 — vernalis : **166/24C**
 — zimmermannii : **166/25C**
 pulvinic acid : **166/13, /14**
 pumice : **148/68; 166/29; 173/40, /42, /48; 178/29**
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; 172/14**
 — — 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**
 — — phrenology : **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**
 — — 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**

Puschkinia 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 aplestris : **173/3**

— chilensis : **143/93C**

— raimondii : **154/3, /4C, /5**

— — habitat : **154/3C, /5C**

— — pollination : **154/5**

Pyrethrum leontopodium : **179/17, /18**

— pyrethroides : **179/11**

Pyrola rotundifolia : **183/41**

Pyrorchis nigricans : **143/47C**

Pyrrocoma uniflora (syn. **Happlopappus**

uniflora) : **172/30-31, /30C, /31C**

— — variability : **172/30**

Pyrus korshinskyi : **169/6**

quartzite : **142/41**

Quaternary deposits : **140/3**

Quercus castaneifolia : **184/36, /47, /55**

— chrysolepis (Canyon Live Oak) : **174/16C**

— kelloggii (California Black Oak) : **170/9, /10**

— macranthera : **150/30; 160/32; 184/34, /48C, /56**

— robur : **169/6**

— vacciniifolia (Huckleberry Oak) :

170/9, /20, /33, /34

Quinchamalium chilense : **173/30**

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**

— nathaliae JCA 686 : **177/5C**

Ranorchis : **143/25**

Ranunculus alberti : **179/14, /15C, /16**

— glacialis : **164/33**

— gunnianus (Gunn's Buttercup) : **142/63C**

— kochii : **184/56**

— kuepferi : **181/61C**

— occidentalis var. ultramontanus (Western Buttercup) : **170/26**

— orthorhynchus var. orthorhynchus (Straight-

- beaked Buttercup) : **170/22**
- Ranunculus** peduncularis : **173/16**
- propinquus : **183/41**
 - songaricus : **179/14**
 - sp. (NW Iran) : **150/14**
- Raoulia** australis : **153/43**
- eximia : **154/5**
 - hectorii var. hectorii : **178/10C**
- Red Arrows : **180/8C**
- Restio** australis : **142/5**
- Rhamnus** pallasii : **184/56**
- Rheum** nobile : **135/47C, /49**
- spiciforme : **179/17**
- Rhinanthus** songaricus : **179/11**
- Rhinotropis** cornuta var. cornuta (Sierra Milkwort) : **174/23C**
- Rhipsalis** baccifera : **137/5, /6C**
- Rhodanthe** anthemoides (Chamomile Sunray) : **143/70C**
- Rhodiola** coccinea : **179/16, /17C**
- gelida : **179/16**
 - linearifolia : **179/16, /17C**
 - rosea : **170/41C**
- Rhododendron** 'Sarled' : **180/32**
- 'Sir Nigel' : **177/27**
 - 'Snow Lady' : **179/24C, /25C, /27C**
 - 'Tortoiseshell Orange' : **137/8C**
 - arboreum 'Tony Schilling' : **133/33C**
 - calophytum : **177/2; 180/32**
 - caucasicum hyb. 'Christmas Cheer' : **180/32**
 - dauricum : **183/37, /40, /47, /48C, /49C**
 - edgeworthii : **133/33C**
 - Ghent deciduous azalea hybrids : **180/32**
 - — 'Irene Koster' : **180/32, /33C**
 - keleticum 'Rock's Form' : **153/44**
 - luteum : **180/32, /33C**
 - occidentale : **174/18C; 180/32**
 - ponticum : **174/42**
 - viscosum var. glaucum : **180/34C**
 - wardii : **135/42, /43C**
- Rhodohypoxis** baurii : **153/44**
- Rhodolirium** montanum : **173/32C**
- Rhodophiala** andina : **132/23C**
- Ribes** nigrum : **183/39**
- roezlii var. roezlii (Sierra Gooseberry) : **170/13**
- Rosa** (Hybrid Tea) 'Mountbatten' : **137/13C**
- — 'Sugar Moon' : **137/12C**
 - (Polyantha) 'Smoke Rings' : **137/12C**
 - alberti : **179/9, /10C**
 - banksiae : **134/35C**
 - beggeriana : **169/7**
 - cinnamomea : **183/37**
 - damascena : **146/34C**
 - fedtschenkoana : **179/9**
 - gymnocarpa : **174/15**
 - kokanica : **169/7C**
 - laxa : **169/7C**
 - platyacantha : **141/24, /25**
- Roscoea** 'Snowy Owl' : **133/42C**
- purpurea 'Royal Purple' : **133/41C**
- Rosularia** glabra : **166/13C**
- paniculata : **179/11**
- Roundup® (glyphosate) : **165/21**
- Rubus** : **134/41-47**
- fruticosus : **174/42**
 - 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**
 - saxitilis : **183/39**
 - squarrosus : **134/46C, /47C**
 - taiwanicola : **134/42C, /45**
 - × barkeri : **134/43C**
- Ruscus** hyrcanus : **184/47, /55**
- Russia : **141/25**
- Baikal, Baikal Ridge : **183/35**
 - Eastern Sayan Mountains : **183/19, /53**
 - endemics : **183/50**
 - Khamar-Daban Ridge : **183/19, /54**
 - Maloye More Strait : **183/21**
 - Olkhon Island : **183/2, /19-54,**
 - — Buluk Bay : **183/24, /33**
 - — Cape Burkhan : **183/24**
 - — — Shamanka Rock : **183/22C**
 - — Cape Khoboy : **183/20C, /52C, /53C, /54C**
 - — Cape Sagan-Khushun : **183/54C**
 - — Cape Ukhan : **183/39**
 - — Cape Ulan-Baysan : **183/24**
 - — climate : **183/22, /43, /44, /45, /54**
 - — coastal vegetation : **183/50**
 - — dune sands : **183/46**
 - — — vegetation : **183/46-47**
 - — ferry : **183/21C**
 - — forest vegetation : **183/24, /36C, /37, /43**
 - — grazing pressure : **183/32**
 - — Khadai : **183/24**
 - — Khargoy Bay : **183/34**

- — Khuzhir : **183/20, /21, /22, /32**
- — Khylyzyn valley : **183/24**
- — Lakes Nur, Khankhoy, Shara-Nur : **183/19, /39**
- — lichen communities : **183/46C**
- — map : **183/19C**
- — Mount Zhima : **183/19**
- — Nyurgon : **183/24**
- — Nyurgonskaya Bay : **183/33**
- — Olkhon Ridge : **183/43, /44**
- — orography : **183/43, /44, /45**
- — Perevoznaya Bay : **183/21C**
- — psammophytic vegetation : **183/47**
- — relief & ecotypes : **183/22, /43, /44, /45**
- — Sarai Massif : **183/47**
- — Sennaya valley : **183/24**
- — shamanism : **183/20**
- — steppe vegetation : **183/21, /24, /27, /29, /31, /43, /44**
- — Primorsky ridge : **183/19, /53**
- — Priolkhonye : **183/20**
- — relic flora : **183/43**
- — Sakhyurta : **183/21**
- — Sarma river : **183/53** :
- — 'Sarma' wind : **183/53**
- — steppes : **183/23, /24**
- 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 alata** : **179/9**
- **babylonica** : **179/6**
- **herbacea** : **170/44C**
- **iliensis** : **179/9**
- Salvia caespitosa** : **135/22**
- **glutinosa** : **184/56**
- **limbata** : **150/14**
- Sambucus sibirica** : **179/6**
- 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**
- Sanguinaria canadensis** 'Multiplex' : **180/1C, /26C**
- Sanguisorba officinalis** : **183/26, /39, /41, /47, /50**
- Sanicula (Hacquetia) epipactis** : **180/15, /17C**
- **graveolens** : **173/16**
- 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**
- **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; 179/17**
- **gossypiphora** : **135/52, /53C**
- **involucrata** : **179/18, /19C**

Saussurea kanzanensis : **145/56**

— salicifolia : **183/31C**

— 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**

— bronchialis : **183/30C, /40**

— cernua : **179/17**

— 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**

— macrocalyx : **179/17**

— oppositifolia : **153/43**

— ramsarica : **148/63**

— sibirica : **179/11**

— spathularis : **174/36**

— stoltitzkae : **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**

— × polita (S. hirsuta × S. spathularis) : **174/36**

— — 'Geert Borgonje' : **174/35-40, /35C, /40C**

— — — flowers : **174/37C, /39C**

— — — foliage : **174/36C, /37C**

— — — measurements : **174/38C**

— — — registration : **174/39**

Scabiosa caucasica : **141/51C**

— comosa : **183/1C, /26, /39C**

Sceptridium multifidum (Leather Grape-fern) : **170/16C**

Schefflera taiwaniana : **145/55**

Schizanthus coccineus : **156/23, /24, /25; 173/21C**

— grahamii : **156/23**

— — F&W12616 : **156/24C**

— hookeri : **144/22, /37C; 173/28, /30C**

— litoralis : **137/42C**

— pinnatus : **137/37, /38C, /42**

Schizonepeta multifida : **183/26, /29, /39, /45**

Schlumbergera gaertneri ('Christmas cactus') : **137/5, /6C**

Schulzia albiflora : **179/16**

Scilla (now Fessia)

— s.l. : **160/3, /11**

— s.s. : **160/11**

— bifolia : **133/48C; 160/11; 180/14**

— — white form (N Macedonia, Jablanica) : **152/24C**

— cf. bifolia : **162/22**

— hohenackeri : **164/37**

— hyacinthoides : **134/37C**

— italica : **143/79**

Scilla (syn. **Fessia**) *chorassanica* : **176/14C**

— (*Othocallis*) *siberica* : **160/11**

— (*Chionodoxa*) 'Pink Giant' : **180/15**

— *siberica* subsp. *armena* : **184/56**

— *siberica* subsp. *caucasica* : **184/56**

— cf. *siberica* subsp. *caucasica* : **160/20, /29**

— *vincentina* (syn. **Hyacinthoides** *mauritanica* subsp. *vincentina*) : **143/79C**

— × *allenii* 'Fra Angelico' : **164/37**

Scilloideae subfamily (**Asparagaceae**) : **160/3, /11**

Scirpus *diffusus* (Dense Rush) : **170/17**

Sciurus *vulgaris* ssp. *exalbidus* (Siberian Red Squirrel) : **179/20C**

Scleranthus *biflorus* (Twin-flower Knawel) : **143/60C**

sclerophyll woodland, dry : **143/5C**

sclerotia (hardened fungal mycelia, on bulbs) : **165/12, /13C**

Scorzonera *radiata* : **183/37**

Scotland : **171/40; 181/62**

Aberdeen : **153/2; 181/2C**

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; 173/2**

Scottish Rock Garden (SRGC) [Forum](#) : **151/2; 156/59; 161/2, 30, /32; 166/2; 170/2; 171/2**

Scrophularia *canina* subsp. *hoppii* : **167/8**

— *incisa* : **183/47**

Scrophulariaceae : **144/13**

— taxonomic revision : **144/14**

Scutellaria *scordiifolia* : **183/50**

— *tournefortii* : **184/47**

sedimentary rock : **170/7**

Sedum : **159/5**

— *anglicum* : **170/41**

— *ewersii* : **179/11**

— *obtusatum* (Sierra Stonecrop) : **170/12**

Selaginella *rupestris* : **183/26, /30C, /40**

— *sanguinolenta* : **183/26**

— *selaginoides* (Lesser Clubmoss) : **170/39C**

Sempervivum : **159/4, /5**

— *arachnoideum* : **159/4**

— *tectorum* : **159/4**

Senecio *chilensis* : **137/29, /30C**

— *crithmoides* : **173/9C**

— *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**

Seramis® : **175/7**

Serapias

— *bergonii* : **163/27C**

— *cordigera* : **156/57C; 180/67C**

— — *protocorms* : **156/52C**

— *germination* : **156/54, /55**

— *growing on* : **156/55**

— *lingua* : **180/68C**

— *neglecta* : **180/67C**

— *orientalis* (syn. *S. carica*) : **163/27C**

— *parviflora* : **180/68C**

serpentine : **178/19, /20, /28**

Seseli *mucronatum* : **179/11**

Shahnameh, The ('The Book of Kings', Persian epic poem) : **176/10**

Shibateranthus seedlings : **151/3C**

— separation from **Eranthis** : **151/3-4**

snowdrop cultivars : **163/29-48**

Sibbaldia *tetrandra* : **179/16**

sibling spp. : **182/12, /16, /17**

Sidalcea *glaucescens* (Glaucous Checker Mallow) : **170/27**

— sp. : **142/92**

Silene *acaulis* : **177/17**

— *coronaria* 'Alba' : **180/21**

— *douglasii* var. *douglasii* (Douglas' Catchfly) : **170/14**

— *elisabethae* : **167/12**

— *pumilio* : **135/22, /25C**

— *turczaninovii* : **183/26, /39**

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**
- Smelowskia alba** : **183/29**
- calycina : **179/17**
- smut (**Melanostilospora ari**) : **133/18**
- snow cover : **153/1C**, /2, /51C
- Snow hebes (**Veronica**, formerly **Chionohebe**) : **178/4**, /8
- 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 alpine, 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**
- meter : **165/8C**
- (reticulata irises) : **165/24**
- (tulips) : **165/7-8**
- Solanum kieseritzkii** : **184/47**, /56
- Soldanella alpina** : **181/63C**
- carpatica : **181/63C**
- montana : **181/63C**
- pindicola : **177/1C**, /2, /13
- Solananthus circinnatus** : **169/9C**
- — distribution : **169/8**
- Solenomelus segethi** : **144/22**, /36P
- solonchak* (salt marsh soil, Central Asian desert) : **148/16**
- Sorbus aucuparia** : **183/47**
- persica : **169/6**
- tianschanica : **179/9**
- South Africa
 - Drakensberg mountains : **171/44**
 - 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**
- Picos de Europa : **174/36**
- Sierra Nevada : **167/19**
- Sparaxis tricolor** : **134/27C**
- speciation : **184/5**
- Speculantha** : **143/25**
- Spermophilus fulvus** (Yellow Ground Squirrel)

: **179/20**
Sphagnum : **139/43**
— spp. (Australia, Victoria High Country) : **183/9, /10**
Spheg latreillei (wasp) : **137/47C**
Spiraea flexuosa : **183/50**
— lasiocarpa : **179/9**
— media : **183/40**
— splendens : **170/17, /23**
Spiranthes bightensis 'Chadds Ford', from seed : **156/55**
Stachys rigida var. rigida (Rough Hedgenette) : **170/16**
— sp. (Chile, Santiago mountains) : **173/30**
Stachyurus sigeyosii : **145/55**
Stamnorchis : **143/25**
Stellaria dichotoma: **183/26, /47**
— holostea : **180/36C**
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**
— sicala : **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; 179/6**
— krylovii : **183/31, /33**
— occidentalis var. californica (California

Needle Grass) : **170/13**
— orientalis : **183/50**
stone (grit) mulch : **165/9, /21C, /24**
Streptanthus tortuosus (Jewelweed) : **170/22**
Stylidium montanum : **143/52**
Sus scrofa (Wild Boar) : **179/20**
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**
Vahsh : **181/12C**
Varzob : **181/12C**
takyr (salt flat, Central Asian desert) : **148/16**
Tanacetum spp. : **135/31**
— balsamita : **141/51**
Taraxacum alpigenum : **179/16**
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**
Taxus baccata: **184/47**
— brevifolia : **174/9C, /10**
Tchihatchewia isatidea : **135/30C, /31**
Tecophilaea cyanocrocus : **132/45**
Tehran University : **160/22**
Telopea truncata (Tasmanian Watarah) : **142/65C**
— — f. lutea : **142/65**
Tephroseris capitata : **166/31C**
— integrifolia : **183/29**
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; 173/2C, /24C, /28**
Tetraogallus himalayensis (Himalayan Snowcock) : **179/21**
 Thailand : **161/53**
Thalictrum alpinum : **179/16**
 — fendleri var. fendleri (Fendler's Meadow Rue) : **170/23C**
 — foetidum : **183/26**
Thlaspi watsonii : **174/49**
 The Low Countries (Netherlands, Belgium) : **171/2, /3C**
 Coastal dunes : **171/6**
 Rhine/Waal/IJssel/Maas/Scheldt river delta : **171/4**
[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 alpina : **179/14**
 — barbata : **135/52, /53C**
 — lanceolata : **183/29**
Thylacospermum caespitosum : **179/16, /17C**
[Thymelaeaceae](#) : **182/2**
Thymus baicalensis : **183/25C, /26, /29, /31, /39, /40, /47**
Tiarella cordifolia hyb. 'Spring Symphony' : **180/26, /27C**
 — scent : **161/48**
 — wherryi : **180/26**
 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/Range : **169/35; 179/3, /5**
 — Naryn river : **140/3**
 — Syr Darya river : **140/3**
 — Turkestan Range : **140/3**
 — Zailiysky Alatau range : **169/30**
Toxicodendron diversilobum (Poison Oak) : **174/14C, /16**
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**
Trichocereus chiloensis : **173/3**
Trichostema oblongum (Mountain Bluecurls) : **170/35**
Trifolium lupinaster : **183/37, /39**
 — repens : **179/11**
Trillium : **161/2**
 — classification : **175/4**
 — diseases & pests : **175/8-9**
 — angustipetalum (Narrow-petal Trillium) : **170/24C; 174/26, /27C**
 — chloropetalum : **179/31C; 180/24, /25C**
 — — var. giganteum : **180/24C**
 — cuneatum : **180/23C**
 — erectum : **175/15**
 — flexipes : **133/32C**
 — grandiflorum : **175/2, /3-30; 180/24**
 — — apetalous : **175/22**
 — — as T. rhomboideum var. grandiflorum : **175/4**
 — — capsule, seeds : **175/7C**
 — — cultivars : **175/8, /9-30**
 — — — list : **175/29-30**
 — — — 'Amazing Amazon' : **175/22, /29**
 — — — 'Brian's Best' : **175/13, /29**
 — — — 'Charles O. Rhodes' : **175/26, /29**
 — — — 'Charlie' : **175/27, /29**
 — — — Daisy Double Group : **175/13C, /14C, /21, /30**
 — — — 'Daisy Hill' : **175/24, /29**
 — — — 'Delta Rose' : **175/14, /29**
 — — — 'Double Loop' : **175/14, /30**
 — — — 'Dr McDaniels' : **175/9C, /29**
 — — — 'Eco Double Gardenia' : **175/27, /29**
 — — — 'Edinburgh Form' (= 'Daisy Hill') : **175/25C, /26, /30**
 — — — 'Ed's selection' : **175/27, /30**
 — — — 'Elgin Form' (= 'Lundell Form') : **175/22, /23C, /27, /30**
 — — — 'Elkin's Form' : **175/14C, /30**

- — — 'Energizer Bunny' : **175/15C**, /30
- — — ex Blue Ridge Mountains : **175/24C**, /29
- — — 'Frilly Dilly' : **175/15C**, /21, /30
- — — 'George Young' : **175/10**, /30
- — — 'Georgious' : **175/25C**, /30
- — — Gothenburg Pink Strain (syn. 'Gothenborg', 'Göteborg form') : **175/26C**, /30
- — — 'Graham' : **175/10C**, /30
- — — 'Gyer's selection' : **175/27**, /30
- — — 'Itty Bitty' : **175/10C**, /30
- — — 'Jenny Rhodes' : **175/11C**, /27, /30
- — — 'Julia' : **175/16**, /30
- — — 'Kath's Dwarf' : **175/1C**, /12C, /30
- — — 'Linden Striped' : **175/27**, /30
- — — 'Lundell Form' : **175/22**, /27, /30
- — — 'Marion Smith' : **175/27**, /30
- — — 'Morgan' : **175/12C**, /30
- — — 'Otis Bigelow' : **175/16C**, /30
- — — 'Pamela Copeland' : **175/16C**, /17C, /30
- — — 'Pink Chiffon' : **175/27**, /30
- — — 'Pinwheel' : **175/17**, /30
- — — Poly Hill clone : **175/26**, /30
- — — 'Quicksilver' : **175/13**, /30
- — — 'Rakestraw's Double' : **175/17C**, /18C, /19C, /30
- — — Rats Hollow Group : **175/20**, /21, /30
- — — 'Silver Jubilee' : **175/27**
- — — 'Snow Bunting' (syn. 'Bressingham Clone', 'New York Double', 'Smith's Double') : **175/13C**, /20C, /21C, /27, /30
- — — 'Tucker's Form' : **175/27**, /30
- — — 'Wise Double' : **175/21**, /30
- — — 'Wolverine' : **175/21**, /30
- — cultivation conditions : **175/6**
- — description : **175/5**
- — distribution : **175/3**
- — division : **175/8**
- — f. chandleri : **175/21**
- — f. dimerum : **175/21**
- — f. elongatum : **175/21**
- — f. liriodes : **175/21**
- — f. striatum : **175/21**
- — f. viride : **175/21**
- — floral emblem (Ontario, Ohio) : **175/4**
- — forms : **175/3-4**
- — — Flore Pleno (Plenum, f. polymerum, f. petalosum) : **175/13-21**
- — — — Camellia-flowering **175/13**, /14,

- /16, /17, /20, /21
- — — — Gardenia-flowering : **175/13**, /15, /20
- — — green : **175/21-23**
- — — multi-leaved : **175/27C**
- — — non-clumping : **175/5**
- — — Quintrillium, Quadrillium, Dillium, Unillium : **175/4C**
- — — Roseum (f. roseum) : **175/24-27**
- — — single : **175/9-13**
- — — weird flower : **175/28C**
- — heliotropism : **175/5**
- — seeds, dispersal : **175/6**
- — sowing, germination : **175/6-7**
- — var. Variegatum : **175/21**
- kurabayashii : **133/32C**
- luteum : **180/24**, /26C, /27C
- ovatum : **175/5**
- simile : **180/24**, /25C
- trillium smut (*Urocystis trillii*) : **175/9**
- Tringa ochropus** (Green sandpiper) : **166/6**
- Trisetum flavescens** : **183/39**
- projectum : **170/26**
- spicatum : **179/11**
- Tristerix verticillatus** : **138/24C**
- Triteleia hyacinthine** (Wild Hyacinth) : **170/31**
- ixiodes var. scabra : **170/11**
- Tritonia deusta** : **143/92C**
- Trollius altaicus** : **135/39**; **179/11**, /12C
- asiaticus : **183/39**, /42C
- dschungaricus : **169/6**, /7C; **179/11**
- lilacinus : **135/40C**, /41; **179/2C**, /16C
- Tropaeolum xtenirostre** : **137/29**
- austropurpureum : **132/11**
- azureum : **132/11**; **137/29**; **138/24**; **174/50**
- incisum : **144/22**, /38C
- kingii : **132/11**
- leptophyllum : **156/25**
- looseri : **137/21C**; **138/24**
- myriophyllum F&W11238 : **156/25C**, /26C
- nubigenum : **173/34**, /35C
- polyphyllum : **156/25**; **173/21C**, /30
- sessilifolium : **173/19C**
- tricolor : **132/11C**, /12; **138/24**
- trough garden : **138/13C**
- tufa : **148/67**, /68; **152/34**; **174/35**; **176/33**
- 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**

Tulipa, 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. Lophophyllon) : **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**
 — 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; 180/10, /11C**
 — — 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; 181/32**
 — — comparison with T. kujukense : **168/9C**
 — — separation from related species : **168/8**
 — — × dasystemon natural hybrid : **181/28C, /31**
 — 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**
 — — 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**
 — cv 'Flames Mystery' : **179/32C**
 — dasystemon : **148/8, /47; 168/10, /11; 169/22, /41C, /46; 179/8C; 181/28C**
 — — filament variation : **169/41C**
 — — sessile : **169/41**
 — — separation from related species : **168/12**

Tulipa 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
- — high altitude short form : **181/28C**
- — tall form, Uzbekistan : **181/21**, /28C, /32
- 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
- lehmanniana : **176/12C**
- 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**
- — 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; **176/12C**
- — 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**

Tulipa cf. orthopoda : 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**
- *Průhonice* var. '*Antarctica*' : **184/30**
- *Průhonice* var. '*Jumbo Pink*' : **184/30**
- *Průhonice* var. '*Petra*' : **184/30**
- *Průhonice* var. '*Red Hot*' : **184/30**
- *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**
- — gynoeceum & androeceum : **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**

- *sarvestanica* : **176/3**
- *saxatilis* : **143/74C**
- *sogdiana* : **148/19**, /39, /47; **168/7**
- sp. 22IRS-033 : **148/20**
- sp. with spherical capsules (Kyrgyzstan, Sary Chelek, Arkyt) : **169/46**
- spp., Fergana valley : **140/3**, /4
- spp. in Kyrgyzstan : **169/21**, /22
- *sprengeri* : **179/39C**
- *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**; **181/29C**, /32
- *turcomanica* : **148/19**, /**36C**, /39, /48, /51
- *turkestanica* : **140/12**, /23; **148/47**, /51; **169/22**; **180/10C**
- *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; **172/6C**, /7; **184/6**
 - 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**
 Hakkâri Province : **172/4**
 — 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**
 Pontic Mountains : **174/42**
 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 Dağgözü (Alacabük Dağı) : **150/4; 160/5**
 — Tatvan-Van road : **160/7**
 — Tendürek Pass : **150/7**
Tussilago farfara : **180/13C**
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**
Ulmus minor : **184/55**
Uncia uncia (Snow leopard) : **169/16**
 United Kingdom
 Yorkshire, Harrowgate : **180/2**
 — River Nidd : **180/4**
 Uppsala University : **150/26**
Urochilus : **143/25**
Urocitellus undulatus : **183/27**

Urocystis trillii (Trillium smut) : **175/9**
Ursus arctos (Brown bear) : **169/16**
 — — isabellinus (Tien Shan Brown Bear) : **179/20**
 USA
 US Army Air Corp : **170/4**
 US Forest Service : **170/7, /15, /17, /18**
 California : **170/2**
 — Butte County : **178/28**
 — El Dorado County : **178/28**
 — Mission Trails Park : **178/24**
 — Mount Shasta : **142/95**
 — Placerville : **162/2**
 — Sacramento : **162/2; 170/4**
 — Sacramento Valley : **178/23**
 — San Joaquin Valley : **178/23**
 — San Luis Obispo County : **178/27**
 — Sierra Nevada Mountains : **142/85; 170/3, /4, /9, /21, /37; 174/4, /5, /8, /24, /30**
 — — Airport Flat : **170/4, /6, /34**
 — — Consumnes River : **174/4, /5C**
 — — El Dorado County, Bonetti Road : **174/6, /7, /10, /13**
 — — — Iron Mountain Road : **174/7**
 — — — Jenkinson reservoir : **174/7**
 — — — Camp Creek : **174/2, /3-34, /3C, /4C, /34C**
 — — — — andesite grassland : **174/6C**
 — — — — climate : **174/5-6**
 — — — — geology, soils : **174/5**
 — — — El Dorado Irrigation District diversion dam : **174/17, /20**
 — — — Stonebreaker creek : **174/10, /11C, /13**
 — — 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; 174/5**
 — — — 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**
 — Sonora Coast, Salt Point State Park : **178/26**
 Cornell University : **175/9**
 Delaware, Mt. Cuba Center : **175/13, /14, /17**
 Illinois, Elgin : **175/22**
 Kansas : **161/3, /4, /12, /50**
 Maryland, Chesapeake Bay : **175/24**
 Michigan, Bay County : **175/14**
 — Cheboygan County : **175/21**
 — Emmett County : **175/13**
 — Midland County : **175/17**
 Missouri, Ozark Plateau : **161/2**
 — Powell River : **161/47**
 New York, Ithaca : **175/9**
 — Rochester : **175/20**
 — Syracuse : **175/16**
 North Carolina, Graham County : **175/10**
 Oregon, Cascade Ranges : **178/23**
 — Klamath Ranges : **178/23**
 — Modoc Plateau : **178/23**
 — Siskiyou : **178/21**
 — — Medford : **178/21**
 Pennsylvania : **175/13**
 Tennessee : **161/5, /12**
 — Appalachia, Porters Creek : **161/19**
 — Morgan County : **175/12**
 Virginia, Blue Ridge Mountains : **175/3, /12, /24, /26**
Uvularia grandiflora : **180/26**
 Uzbekistan : **151/6; 181/2, /3, /17, /22**
 Aman-Kutan (Tahta-Karacha) mountain Pass : **181/18C, /19C**
 Central Asian University (Tashkent) : **169/3**
 Chimgan Mountain : **148/9; 182/4**
 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**
 Pskem : **181/4, /7, /11**
 — mountain range : **181/16**
 — — Ilnachsay : **181/8C, /10, /16, /17, /18, /19, /24C, /25C, /29C, /31C**
 — river valley : **181/3, /16, /17, /20; 182/3**
 — — Lake Ilnachkul : **181/17, /20**
 — — Sarvaitugan Pass : **181/20**
 — — Sjemesas : **181/17, /21, /31**
 — — Urungachsay : **181/17**
 Sina : **148/5**
 Tashkent : **179/5; 181/32**
 Ugam Range : **181/16**
Vaccinium myrtillus : **152/9; 177/17**
 — parvifolium (Red Huckleberry) : **174/30C**
 — shastense subsp. nevadense : **174/30**
 — vitis-idaea : **183/41**
Vachellia (syn. *Acacia*) caven : **137/26C; 138/24**
Valeriana chionophila : **166/16C**
 — macrorrhiza : **144/22, /38C**
 — officinalis : **183/39**
 — philippiana : **144/22, /39C**
Veratrum californicum : **142/97C**
 — — var. californicum (California Corn Lily) : **170/15**
 — grandiflorum : **135/49**
 — insolitum : **142/88, /90C**
Verbascum scardicola : **177/17**
 — sp. (Turkey, Burdur, Katrancık Dağı) : **162/31**
 vermiculite : **175/6**
Veronica aphylla : **177/10**
 — ciliolata subsp. ciliolata (Ben Lomond Cushion Plant) : **142/65, /66C**
 — — subsp. fiordensis : **142/66C; 178/4**
 — densifolia : **178/4**
 — gentianoides : **179/41C**
 — hispidula : **148/30; 184/56**
 — incana : **183/29, /45**
 — perfoliata : **152/52**
 — scutellata (Marsh Speedwell) : **170/22**
 — thomsonii : **178/2, /3, /4, /7-8*, /7C, /8C, /9C, /10C**
 — — distribution : **178/6C**
 — — habitat : **178/6**
Viburnum foetidum var. rectangulatum : **145/55**
 — lantana : **184/56**
 — plicatum : **180/35C**
 — propinquum : **145/55**
 — taitoense : **145/55**
Vicatia atrosanguinea : **179/11**
Vicia abbreviata : **184/56**
 — americana subsp. americana : **174/21**
 — benghalensis : **137/39C**
 — megalotropis : **183/37, /41**
 — subvillosa : **166/16**
 Vietnam : **161/28**
 — Truong Son : **161/54**
 vine weevil : **180/41**
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. **Inconspicuiflos** : **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**
- acutifolia : **179/1C, /14, /15C**
- adunca subsp. adunca : **170/16C**
- aetolica : **146/2, /66C**
- aizoon : **145/16, /19C, /43**
- albanica : **167/14; 177/6, /7C**
- alliariifolia : **167/20C**
- alpina : **167/14**
- altaica, as *V. dubyana* : **167/3**
- — distribution : **167/20C**
- [anitae](#) : **174/43**
- araucaniae : **153/8, /18**
- — F&W 11550 : **174/47C**
- atropurpurea : **145/43; 167/24C, /25; 173/14C, /15, /34**
- 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**
- caspia : **184/47, /55**
- cenisia : **167/12, /13; 177/7**
- 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**
- [declinata](#) : **177/6**
- doerfleri : **167/15, /17C, /18; 177/8C**
- 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**
- [elegantula](#) : **177/6**
- escarapela : **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**
- grisebachiana : **177/21C**
- — distribution : **177/20**
- — white morph : **177/22C**
- guatemalensis : **167/21**
- hallii : **167/20C**
- hieronymi : **145/43**
- latisepala, as syn. for *V. schariensis* : **177/6**
- leyboldiana : **145/43**
- lobata : **167/20C**
- — subsp. *lobata* : **170/32; 174/25, /26C**
- 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; 173/5C**
- — taproot : **173/6C**
- nobilis : **145/43**
- nubigena : **153/18**

Viola 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**; **173/11C**, /31
- 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**
- rupestris : **179/11** ; **183/41**
- sacculus : **145/43**; **167/25**

- santiagonensis : **145/20**, /21, /22, /43
- schariensis : **177/2**, /3-22, /**3C**, /**6C**, /**8C**, /**9C**, /**19C**, /**20C**
- — as *V. 'albanica'* JCA 700 : **177/5**
- — colour variants : **177/8C**, /**9C**, /**18C**, /**20C**
- — distribution : **177/6**
- — in habitat : **177/14C**, /**20C**
- sempervivum : **145/20**, /43
- sheltonii : **170/32C**; **174/25C**
- 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**
- × blaxlandiae : **145/43**
- × josephii : **153/33C**
- — F&W 11428 : **174/47C**
- × wittrockiana (pansy), with bee fly : **153/29C**
- × 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**
- Vulpes vulpes** (Red fox) : **179/20**
- Waldheimia tomentosa** : **179/16**
- Wahlenbergia ceracea** (Waxy Bluebell) : **143/65C**

Watson & Flores, [published taxa](#) : **174/43**
 white wool (snow mould) : **165/11C, /12C, /26**
 World Checklist of Selected Plant Families,
 Kew (now [Plants of the World Online, POWO](#)) : **160/11**
Woodsia okamotoi : **145/56**
Woodwardia fimbriata (Western Chain fern) :
174/29C
Wyethia mollis (Woolly Mules Ears) : **170/27C**
Xanthium spinosum : **138/24**
Xerochrysum milliganii (syn. **Helichrysum**
 milliganii; Snow Everlasting) : **142/67C**
 — subundulatum (Alpine Everlasting) :
143/61C, /69
 Yemen : **159/4; 166/2**
Youngia tenuifolia : **183/26**
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 rostrate 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**
Zelkova carpinifolia : **184/47, /55**
 zeolite : **173/48**
Zephyranthes graciliflora F&W11097 :
156/29C
 — — F&W11250 : **156/28C**
 — sarae : **174/46C**
 — sp. : **144/22**
 — tenuiflora (syn. **Rhodophiala** andina) :
132/23C
 Ziplock bags (seed sowing) : **136/5, /6C**
 Zoom : **164/2**
Zygophyllum atriplicoides : **140/12, /23**