

Sedum Society Newsletter Index

Produced by Frazer Henderson (from Indexes compiled by
Ron Mills (Issues 1-30), Jan Noyes (31-50),
Ray Stephenson (51-60) and Frazer Henderson (61-130)) and
Margrit Bischofberger (131-155)

Content :

Contributors

People mentioned in the Newsletters

Abbreviations

Species list

Contributors

't Hart, Henk

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Abbreviations

cf. - *confer* (compare with ...)
f. or fma or fa - form/ *forma*
sect. - section/*sectio*
sp. - species
sp. aff. - species with affinity to ..., or close to ...
spp or subsp. - subspecies
syn. - synonym
var. – variety

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C. fragarioides **123**: 4-8
 Illustration **123**: 5 (Figs 1 & 2), **123**: 7 (Fig 5)
 Illustration (cultivation) **123**: 6 (Fig 3), **123**: 8 (Fig 7)
 Illustration (habitat) **123**: 6 (Fig 4), **123**: 8 (Fig 8)

- Illustration (inflorescence) **123**: 7 (Fig 6)
- C. grisea*
Illustration **120**: 33 (Fig 13)
- C. helmsii* **77**: 55, **80**: 46, **80**: 49
Illustration **80**: 49 (Fig 16), **153**: 55 (Fig a)
- C. hemisphaerica*
Illustration **150**: 53 (Fig 3)
- C. lactea*
Illustration **150**: 54 (Fig 4)
- C. lanceolata* **94**: 83, **99**: 5
Illustration **99**: 6 (Fig 3)
- C. mesembryanthemopsis* **124**: 40
Illustration **124**: 40 (Fig 23)
- C. multicava* **153**: 78-79
Illustration **153**: 79 (Figs 29 & 30)
- C. muscosa* (syn. *Crassula lycopodioides*) **73**: 57, **80**: 47, **80**: 49-50, **107**: 7, **120**: 29-31
Illustration **80**: 50 (Fig 17), **107**: 7 (Fig 4), **107**: 8 (Fig 5)
Illustration (variation) **120**: 32 (Figs 10 & 11)
- C. nudicaulis* **107**: 3, **108**: 27, **120**: 31
Illustration **107**: 8 (Fig 6)
- C. ovata* **134**: 83,
Illustration **150**: 54 (Fig 5)
- C. ovata* 'Gollum'
Illustration **117**: 76 (Fig 21)
- C. ovata* 'Hobbit' (syn. *C. ovata* 'Montrosa') **106**: 82, **132**: 30,
Illustration **132** (front cover)
- C. ovata* 'Montrosa' (see *C. ovata* 'Hobbit')
- C. pellucida* ssp. *marginalis* 'Little Missy'
Illustration **137**: 51 (Fig 28)
- C. peploides*
Description **107**: 14-15
Illustration (Habitat) **107**: 14 (Fig 16)
Illustration (Inflorescence) **107**: 15 (Fig 17)
- C. perfoliata* **106**: 83
- C. pubescens*
Illustration **75**: 20 (Figs 23 & 24)
- C. pubescens* subsp. *radicans* **104**: 36-37
Illustration **104**: 36 (Figs 6 & 7), **104**: 37 (Figs 8 & 9)
- C. radicans* 'Tresco Seaspray' **135**: 129-130
Illustration **135**: 130 (Fig 27)
- C. rupestris*
Illustration **110**: 86 (Fig 2)
- C. sarcocaulis* **151**: 84-85
Illustration **151**: 84 & 85 (Figs 1, 2 & 3)
- C. saxifraga* **120**: 34-35
Illustration (habitat) **120**: 34 (Fig 14)
Illustration (inflorescence) **120**: 35 (Fig 15)
Illustration (leaves) **120**: 35 (Fig 16)
- C. sericea* var. *sericea* **107**: 7, **120**: 31,
Illustration **107**: 9 (Fig 7), **120**: 31 (Fig 8)
- C. sericea* var. *velutina*
Illustration **115**: 29 (Fig 40)

- C. schimperi* (syn. *Crassula lanceolata*)
C. streyi **153**: 77-79, **155**: 122
 Illustration **153**: 77 (Fig 27), 78 (Fig 28), **155**: 122 (Fig 16)
C. strigosa **100**: 54
C. subacaulis var. *erosula* **108**: 27
C. subaphylla **120**: 29-31
C. susannae **124**: 41-42
 Illustration **124**: 42 (Fig 25)
C. swaziensis **155**: 126-127
 Illustration **155**: 126 (Fig 21,) 127 (Figs 22 & 23)
C. thunbergiana **80**: 47
C. tillaea (see *Tillaea mucosa*) **80**: 44-45, **80**: 46-54, **80**: 51-52, **115**: 6, **118**: 107, **119**: 11, **147**: 98
 Illustration **80**: 45 (Fig 15), **80**: 51 (Fig 18), **80**: 52 (Fig 20), **115**: 6 (Fig 7), **118**: 88 (Figs 4 & 5)
C. tomentosa **120**: 30
C. vaillantii **80**: 46, **80**: 52-54
 Illustration **80**: 53 (Fig 21)

Cremnophila

- 150**: 64
C. linguifolia **56**: 38, **87**: 4, **143**: 89, **150**: 64
 Illustration (inflorescence) **118**: 95 (Fig 12), **150**: 64 (Fig 25)
 Illustration (rosette) **118**: 95 (Fig 13)
C. nutans **56**: 38, **78**: 95-96, **143**: 89, **150**: 64
 Hybrids in cultivation **56**: 38
C. nutans x *S. dendroideum* **79**: 10-11
 Illustration **79**: 10 (Fig 9)
C. tetzmitlia (see *C. nutans*) **143**: 89
C. tlahuicana (see *C. linguifolia*) **118**: 94-95, **143**: 89

Cumulopuntia

- C. boliviana* **73**: 57

Dendrosicyos

- D. socotrana* **99**: 4

Diamorpha

- 150**: 64
 Illustration **150**: 64 (Fig 26)

Dracaena

D. cinnabari **99**: 4

Dudleya

150: 66

Illustration **150**: 64 (Fig 27) flowers

D. agourensis **95**: 9-10

Illustration **95**: 10 (Figs 3 & 4), **95**: 16 (Fig 12)

D. anthonyi **100**: 44, **134**: 83, **155**: 120 (ssp. *rosa*)

D. blochmaniae **95**: 2, **95**: 13-14

Illustration **95**: cover, **95**: 14 (Fig 10)

D. blochmaniae subsp. *brevifolia* **95**: 14-5

D. brittonii **72**: 46, **95**: 9, **100**: 44

D. caespitosa **95**: 9

D. candida **100**: 43

D. cymosa **100**: 45

D. cymosa subsp. *agourensis* **95**: 9, **95**: 15

D. cymosa subsp. *crebrifolia* **95**: 15

Illustration **95**: 16 (Fig 14)

D. cymosa subsp. *ovatifolia* **95**: 9-13, **95**: 15

D. cymosa subsp. *pumila* **95**: 15, **100**: 44-48

Illustration **95**: 16 (Fig 15), **100**: 44 (Fig 4), **100**: 46 (Figs 7 & 9), **100**: 47 (Figs 11a & b), **100**: 48 (Figs 12 & 13)

D. densiflora **95**: 16

Illustration **95**: 17 (Fig 16)

D. farinosa **95**: 12, **151**: 99-101

Illustration **151**: 99 (Figs 29 – 32), 100 (Figs 33 – 35), 101 (Fig 36)

D. lanceolata **95**: 9-12, **95**: 15, **100**: 44-48

Illustration **95**: 10 (Figs 3 & 4), **95**: 12 (Fig 7), **100**: 44 (Fig 4), **100**: 45 (Figs 5a, 5b, 6a & 6b), **100**: 46 (Fig 8)

D. nesiotica

Illustration **77**: cover

D. pachyphytum **95**: 4, **95**: 9, **95**: 18-21

Illustration **95**: 19 (Fig 19), **95**: 20 (Figs 20a & b), **95**: 22 (Fig 22)

D. pulverulenta **95**: 9-12, **95**: 15, **100**: 44-45

D. saxosa subsp. *collomiae* **124**: 29-31

Illustration **95**: 11 (Fig 6), **95**: 12 (Fig 7), **95**: 15 (Fig 11), **100**: 45 (Figs 6a & b), **124**: 29 (Fig 9), **124**: 31 (Fig 12)

Illustration (distribution) **124**: 30 (Fig 10), **124**: 31 (Fig 11)

D. subgenus *Hasseanthus* **95**: 13

Illustration **95**: 13 (Fig 9)

D. verityi **95**: 13, **95**: 15

Illustration **95**: 16 (Fig 13)

D. virens subsp. *insularis* **95**: 17

Illustration **95**: 17 (Fig 17)

Echeveria

150: 66

E. 'Acaulis' **89:** 58

E. agavoides **121:** 64-65

Illustration **121:** 65 (Fig 9)

E. amoena **89:** 58-59

E. amphoralis **150:** 71-74

E. andicola **143:** 94

E. 'Anit'

Description **92:** 28-29

Illustration **92:** 28 (Figs 6 & 7)

E. 'Bombycina' **89:** 58

E. ccallu see *Sedum ccallu*

E. caerulescens

Illustration **89:** 60 (Fig 7)

E. 'Corymbosa' **89:** 60

E. crenulata

Description **102:** 86-87

E. 'Crinita' **89:** 58

E. diffractens **132:** 45-47

E. 'Doris Taylor' **89:** 58

E. elegans

Illustration **154:** (Fig 8)

E. F.O 36

Description **71:** 16-17

Illustration **71:** 17 (Fig 11)

E. 'Fallax' **89:** 59

Illustration **89:** 59 (Fig 6)

E. 'Flibbertigibbet' **132:** 45-49

Illustration **132:** 46-49 (Figs 23-28)

E. fulgens **102:** 87

E. glauca (see *E. secunda*)

E. 'Haageana' **89:** 60

Illustration **89:** 60 (Fig 8)

E. 'Imbricata'

Illustration **146:** 74

E. 'Indecorata' **89:** 59

E. 'John Knox' **137:** 39-41

Illustration **137:** 39 (Figs 12 & 13), 40 (Figs 14-16), 41 (Fig 17)

E. kimnachii **143:** 89-90

E. 'Lanceolata' **89:** 59

E. linguifolia (see *Cremnophila linguifolia*)

E. macdougallii **131:** 4, 5 (Illustration Figs 2 & 3)

E. meyranaiana **143:** 90-91

E. multicaulis **132:** 45-47

E. peruviana **119:** 9, **143:** 94

Illustration **119:** 8 (Fig 5)

E. 'Pseudo-agavoides' **89:** 60

E. 'Pseudolancifolia' **89:** 59

E. 'Pulv-Oliver' **104:** 45

Illustration **104**: 45 (Fig 20)
E. pulvinata **89**: 58
E. purpusorum **89**: 58
 Illustration **119**: 7 (Fig 4)
E. rosea **83**: 9
E. secunda **117**: 58
 Illustration **116**: 51 (Fig 29), **117**: 58 (Fig 8)
E. 'Set-Oliver' **92**: 29
119: 5
 Illustration (postage stamp) **119**: 5 (Figs 1 & 2)
E. setosa **89**: 58
E. 'Silvergreen' **89**: 58
E. skinneri **150**: 71-74
E. strictiflora **93**: 60
 Illustration **93**: 59 (Fig 10), **93**: 60 (Figs 11)
E. subalpina **143**: 90-91
E. tamaulipana **143**: 91
E. tolimanensis **126**: 94
 Illustration **103**: 24 (Fig 29), **126**: 94 (Fig 13)
E. walpoleana **143**: 91

Echinocereus

E. maritimus **95**: 19-21
 Illustration **95**: 20 (Fig 20a & b), **95**: 21 (Fig 21)
E. reichenbachii **106**: 85-92
 Illustration **106**: 88 (Figs 5 & 6)
E. reichenbachii subsp. *baileyi* **106**: 85

Echinopsis

E. maximiliana **73**: 57

Euphorbia

E. balsamifera **109**: 57-58
E. chaparis ssp. *wulfeni* - correct name *E. characias* ssp. *wulfenii*: **52**: 38
E. dendroides **73**: 56

Gormania

150: 66
 Illustration **150**: 66 (Fig 29)

Graptopetalum

- G. amethystinum* (as parent of *xGraptosedum* 'Blue Giant') **90**: 95, **148**: 22
 x Sedum burrito **24**: 5
 x Sedum morganianum **24**: 5
G. filiferum **123**: 22, **144**: 9
 Illustration **123**: 22 (Figs 3 & 4 (should read 27 & 28)), **144**: 10 (Fig 7)
G. goldii (see *Sedum allantoides* 'Goldii' and *Sedum* 'Goldii')
G. 'Heaven' **60**: 32-33, **123**: 22
 Illustration **60**: 97, **123**: 23 (Figs 6 & 7 (should read 30 & 31))
 Illustration (inflorescence) **123**: 22 (Fig 5 (should read 29))
G. luteum is a *xGraptosedum* **143**: 89
G. maddougallii **131**: 5 (illustration Figs 4 & 5)
G. occidentale **143**: 89-90
G. pachyphyllum **57**: 78-80, **58**: 92
 Illustration **57**: 77, **58**: 86

G. paraguayense **32**: 21, **34**: 12-13, **38**: 11, **40**: 17, **78**: 95, **144**: 2-3, **152**: 13
 Illustration **85**: cover, **144**: cover, 2 (Fig a), **154**: cover
G. 'Purple Haze' **127**: 2
 Illustration **127**: cover
G. rusbyi **123**: 22
 Illustration **123**: 21 (Fig 1 (should read 25))
G. saxifragoides **123**: 22
 Illustration **123**: 22 (Fig 2 (should read 26))

Hasseanthus

- 150**: 67
 Illustration **150**: 66 (Fig 30)

Honckenya

- H. peploides* **132**: 30 (with illustration)

Hylotelephium

- H. 'Abbeydore'* **98**: 90, **153**: 66 (Fig 14), 70
H. 'Abendrot' see *H. spectabile* 'Abendrot'
H. 'African Pearl' **98**: 90
H. 'African Sunset' see *H. telephium* 'African Sunset'
H. 'Album' **98**: 88
H. anacampseros (see *Sedum anacampseros*) **42**: 53-54, **42**: 71, **47**: 15, **57**: 58, **58**: 100, **59**: 15-22, **86**: 76-77, **120**: 48-50

Illustration **120**: 46 (Fig 28), **120**: 48 (Fig 30)
 Illustration (flowering period) **82**: 86 (Fig 4), **86**: cover

H. angustum
 Illustration **137**: 33 (Fig 3)
H. 'Atropurpureum' (see *H. telephium* subsp. *maximum* 'Atropurpureum')
H. 'Aquarell' **98**: 90
H. 'Arthur Branch' (see *Sedum telephium* 'Arthur Branch') **48**: 36, **98**: 90
H. 'Autumn Charm' **98**: 90, **153**: 70
 Illustration **116**: 55 (Fig 37)
H. 'Autumn Delight' **98**: 90
 Illustration **116**: 55 (Fig 38)
H. 'Autumn Fire' **98**: 90
H. 'Autumn Joy' (see *Hylotelephium telephium* 'Autumn Joy') **45**: 57, **46**: 90, **48**: 36, **98**: 90
 Cultivation **17**: 21
H. 'Beka' (see *Hylotelephium* 'Autumn Delight')
H. 'Belle de Jour' **98**: 90
H. 'Bengt Fagerström' **98**: 90

H. 'Bertram Anderson' **45**: 57, **45**: 66, **98**: 90, **153**: 70
 Illustration **45**: 66
H. 'Beth's Special' (see *Hylotelephium telephium* subsp. *ruprechtii* 'Beth's Special')
H. 'Black Emperor' **98**: 88
H. 'Black Jack' **98**: 90
H. 'Blade Runner' **153**: 70
H. 'Blue Elf' **124**: 32-34
 Illustration **124**: cover, 33 (Figs 13-16), 34 (Figs 17 & 18)
H. boehmeri (see *Orostachys boehmeri*) **123**: 18-19
H. 'Bon Bon' (see *Hylotelephium telephium* 'Bon Bon')
H. borderi (see *Hylotelephium telephium fabaria*)
H. 'Brilliant' (see *Hylotelephium spectabile* 'Brilliant')
H. 'Bronco' (see *Hylotelephium telephium* subsp. *maximum* 'Bronco')
H. 'Carl' **45**: 57, **45**: 59, **45**: 66, **48**: 38, **98**: 90, **153**: 70
 Illustration **45**: 66, **153**: 66 (Fig 15)
H. 'Carmen' (see *Hylotelephium spectabile* 'Carmen')
H. caucasicum (see *Sedum caucasicum*) **92**: 42-43
 Illustration (inflorescence) **92**: 43 (Fig 24)
 Illustration (in situ) **92**: 43 (Fig 25)
H. cauticola (see *Sedum cauticola*), **131**: 20
 Illustration (flowering period) **82**: 86 (Fig 4)
H. cauticola 'Coca Cola' **98**: 88, **153**: 70
H. cauticola 'Lidakense' **153**: 70
H. 'Cherry Tart' **153**: 70
H. 'Cherry Truffle' **153**: 70
H. 'Chocolate' **98**: 90
H. 'Chocolate Cherry' **153**: 70
H. chongsunense **123**: 18-19
H. 'Citrus Twist' **98**: 88, **98**: 90
H. 'Class Act' **98**: 90, **153**: 70
H. 'Coca Cola' (see *Hylotelephium cauticola* 'Coca Cola')
H. 'Crazy Ruffles' **98**: 90
H. 'Dark Jack' (see *Hylotelephium* 'Black Jack')
H. 'Dark Magic' **153**: 70

- H. 'Dazzleberry'* 153: 70
 Illustration **111**: 15 (Fig 18)
- H. 'Desert Black'* **153**: 70
- H. 'Diamond Edge'* **98**: 90
- H. 'Drachenblut'* (see *Hylotelephium* 'Karfunkelstein')
- H. 'Dream Dazzler'* **153**: 70
- H. 'Dudley Field'* **98**: 90
 Illustration **45**: 66
- H. 'El Cid'* **98**: 90
- H. 'Elsie's Gold'* **98**: 90
- H. erythrostictum* (see *Sedum erythrosticum*) **46**: 91, **82**: 98
 Illustration **117**: 66 (Fig 10), **141**: 33 (Fig 9),
- H. erythrostictum* 'Frosty Morn' (see *Sedum* 'Frosty Morn') **43**: 3, **98**: 88, **153**: 70
- H. erythrostictum* var. *mediovarigatum* **98**: 88
- H. 'Escapade'* **98**: 90
- H. ettyuense* (see *Hylotelephium sieboldii* var. *ettyuense* and *Sedum kagamontanum*)
- H. ewersii* (see *Sedum ewersii*) **42**: 56, **42**: 59, **46**: 97, **47**: 16-17, **85**: 52, **92**: 34, **118**: 85, **136**: 3, **139**: 87, 88, **142**: 58,
 Illustration (flowering period) **82**: 86 (Fig 4)
 Illustration **82**: 90 (Fig 6), **92**: 34 (Fig 13), **113**: Cover, **139**: 88 (Figs 14&15), **144**: 14 (Fig 10)
- H. ewersii cyclophyllum* **47**: 16
 Illustration (flowering period) **82**: 86 (Fig 4)
- H. ewersii homophyllum* (see *Sedum ewersii* var. *homophyllum*) **47**: 16-18, **81**: 67,
 Illustration **47**: 2, **47**: 19, **82**: 86 (Fig 4)
- H. ewersii* 'Nana' **98**: 89
- H. ewersii* 'Rosenteppich' **98**: 89, **153**: 70
- H. 'Fiesta'* (see *Hylotelephium telephium* subsp. *ruprechtii* 'Fiesta')
- H. 'Firecracker'*
 Illustration **111**: 16 (Fig 19)
- H. 'Frosted Fire'* **153**: 70
- H. 'Frosty Morn'* (see *Hylotelephium erythrostictum* 'Frosty Morn')
- H. 'Garnet Brocade'* **98**: 90
- H. 'Golden Morn'* (see *Hylotelephium erythrostictum mediovarigatum*)
- H. 'Gooseberry Fool'* (see *Hylotelephium telephium* subsp. *maximum* 'Gooseberry Fool')
- H. 'Green Expectations'* (see *Hylotelephium telephium* subsp. *maximum* 'Green Expectations')
- H. 'Green Ice'* (see *Hylotelephium spectabile* 'Green Ice')
- H. 'Hab Grey'* (see *Hylotelephium telephium* subsp. *ruprechtii* 'Hab Grey')
- H. 'Herbstfreude'* (see *Hylotelephium* 'Autumn Joy') **113**: 60-62, **153**: 70
 Illustration **110**: 97 (Fig 15), **113**: 60 (Fig 1)
- H. 'Hidakense'* (see *Hylotelephium* 'Ruby Glow' and *Sedum hidakense*)
- H. 'Hot Stuff'* **98**: 88
- H. 'Humile'* (see *Hylotelephium spectabile* 'Humile')
- H. iwarenge* **123**: 18-19
- H. 'Iceberg'* see *Hylotelephium spectabile* 'Iceberg')
- H. 'Indian Chief'* (see *Hylotelephium*. 'Herbstfreude' and *Sedum telephium* 'Indian Chief')
- H. 'Jamin'* **98**: 90
- H. 'Janet Poor'* **98**: 88, 136: 11
- H. 'Jaws'* **98**: 90
- H. 'Jennifer'* (see *Hylotelephium telephium* 'Jennifer')

H. 'Jose Aubergine' (see *Hylotelephium telephium* 'Jose Aubergine')
H. 'Joyce Henderson' **98**: 90, **153**: 70
H. julianum **44**: 41
H. 'Karma' **98**: 91
H. 'Karfunkelstein' (see *Hylotelephium telephium* 'Karfunkelstein')
H. 'Kurt Weckstrom' **82**: 83, **98**: 91, **113**: 60-62, **136**: 11
 Illustration (flowering period) **82**: 86 (Fig 4), **113**: 61 (Figs 2-4), **136**: 8 (Fig 6)
H. 'Ladislav Hlavaty' **45**: 58, **45**: 66, **50**: 86, **98**: 91, **136**: 11
 Illustration **45**: 66, **136**: 8 (Fig 7)
H. 'Lajos' **98**: 91, **153**: 70
H. 'Leonore Zuutz' **98**: 89
 Illustration **153**: 69 (Fig 22)
H. 'Lime Twister' **153**: 70
H. 'Lime Zinger' **153**: 70
 Illustration **111**: 16 (Fig 20), **153**: (Fig 16)
H. 'Linda et Rodney' (see *Hylotelephium telephium* 'Linda et Rodney')
H. 'Lisa' (see *Hylotelephium spectabile* 'Lisa')
H. 'Lynda Windsor' (see *Hylotelephium telephium* 'Lynda Windsor')
H. 'Maestro' **98**: 91
H. malocophyllum **123**: 18-19
H. malocophyllum f. *roseum* **123**: 18-19
H. malocophyllum subsp. *lioutchenngoi* **123**: 18-19
H. malocophyllum var. *aggregatum* **123**: 18-19
H. 'Marchants Best Red' **153**: 70
H. 'Matrona' **45**: 58, **45**: 65, **48**: 36, **98**: 91, **153**: 70 & 'Matrona' dark form,
 Illustration **45**: 66
H. maximowiczii **124**: 27
H. maximum **44**: 40, **48**: 33, **50**: 95, **87**: 21, **132**: 41, **144**: 21, 23, 146: 60
 Illustration **144**: 23 (Fig 18)
H. 'Mediovarigatum' (see *Hylotelephium erythrostictum* var. *mediovarigatum*)
H. 'Meteor' (see *Hylotelephium spectabile* 'Meteor')
H. 'Mini Joy' **98**: 91
H. 'Mohrchen' **98**: 91
H. 'Mr Goodbud' **98**: 91, **153**: 70
 Illustration **153**: 68 (Fig 18)
H. 'Munstead Dark Red' (see *Hylotelephium* 'Munstead Red')
H. 'Munstead Purple' (see *Hylotelephium* 'Munstead Red')
H. 'Munstead Red' (see *Hylotelephium telephium* subsp. *telephium* 'Munstead Red'), **153**: 70
H. 'Nana' (see *Hylotelephium ewersii* 'Nana')
H. 'Neon' (see *Hylotelephium spectabile* 'Neon')
H. 'Nordlicht' (see *Hylotelephium spectabile* 'Nordlicht')
H. ohbae **123**: 18-19
H. orbiculatum **81**: 67
 Illustration **146**: 75
H. 'Oriental Dancer' **153**: 70
H. paradoxum **123**: 20
H. 'Pearly Pink' **45**: 58
H. 'Picolette' **98**: 91, **153**: 70
H. 'Pillow Talk'
 Illustration **118**: 87 (Fig 3)
H. 'Pink Chablis' (see *Hylotelephium spectabile* 'Pink Chablis')

H. 'Pink Fairy' (see *Hylotelephium spectabile* 'Pink Fairy')
H. 'Pinky' **153**: 70
H. 'Plum Dazzled' **153**: 70, 71
H. populifolium (see *Sedum populifolium*) **82**: 83, **85**: 52, **87**: 22
 Illustration (flowering period) **82**: 86 (Fig 4)
H. populifolium 'Janet Poor' see *H. 'Janet Poor'*
H. populifolium 'Vaclav Plestil's Red'
 Description **57**: 76-77
 Illustration (flowering period) **57**: 53, **57**: 80-81, **82**: 86 (Fig 4), **136**: 6 (Fig 5)
H. 'Postman's Pride' **98**: 91
H. 'Purple Emperor' (*Hylotelephium telephium* 'Purple Emperor'), **153**: 70
H. 'Purple Face' (*Hylotelephium spectabile* 'Pink Fairy')
H. 'Purple Moon' (*Hylotelephium telephium* 'Purple Moon')
H. purpureum (*H. telephium purpureum*) **126**: 89
H. 'Raspberry Red' **45**: 58, **153**: 70
H. 'Red Cauli' (*Hylotelephium telephium* 'Red Cauli')
H. 'Red Rum' (see *Hylotelephium telephium* 'Red Rum')
H. 'Ringmore Ruby' **98**: 91
H. 'Robstum' **98**: 91
H. 'Rose Carpet' (see *Hylotelephium ewersii* 'Rosenteppich')
H. 'Rosenteller' (see *Hylotelephium spectabile* 'Rosenteller')
H. 'Rosenteppich' (see *Hylotelephium ewersii* 'Rosenteppich')
H. 'Roseovariegatum' (see *Hylotelephium telephium* 'Roseovariegatum')
H. 'Rosey Glow' **98**: 91
H. 'Rubin' (see *Hylotelephium spectabile* 'Rubin')
H. 'Ruby Glow' **98**: 90, **98**: 91, **153**: 70
 Illustration **45**: 66
H. 'Samuel Oliphant' **98**: 91
H. 'Sandsturm' (see *Hylotelephium telephium* subsp. *ruprechtii* 'Sandsturm')
H. 'Savill Burgundy' (see *Hylotelephium telephium* subsp. *maximum* 'Savill Burgundy')
H. 'Septemberglut' (see *Hylotelephium spectabile* 'Septemberglut')
H. sieboldii (see *Sedum sieboldii*) **130**: 99-100
 History & Nomenclature **130**: 88-96, **130**: 96-98
 Illustration **49**: 62, **130**: 99 (Fig 12), **130**: 100 (Fig 13)
 Illustration (Japanese publication) **130**: cover, **130**: 97 (Fig 10)
 Illustration (flowering period) **82**: 86 (Fig 4)
H. sieboldii 'Dragon' **130**: 95
H. sieboldii 'Foliis Medio-variegatis' **130**: 93
H. sieboldii Medio-variegatum (see *Hylotelephium sieboldii*)
 Illustration **130**: 92 (Fig 8)
H. sieboldii 'October Daphne' **130**: 95
H. sieboldii var. *chinense* **130**: 98
H. sieboldii var. *ettyuense* **72**: 36-37, **130**: 88-96, **130**: 98
 Illustration **81**: 68 (Fig 9)
H. sieboldii var. *sieboldii* **130**: 98
H. 'Snowqueen' (see *Hylotelephium spectabile* 'Snowqueen')
H. spectabile (see *Sedum spectabile*) **41**: 28, **44**: 43, **45**: 66, **46**: 90, **46**: 91, **48**: 46, **53**: 43, **82**: 98, **89**: 71, **110**: 98, **152**: 13, **153**: 70
 Illustration **110**: 98 (Fig 16)
 Illustration (flowering period) **82**: 86 (Fig 4), **85**: 68 (Fig 12c)
H. spectabile 'Abendrot' **98**: 88
H. spectabile 'Brilliant' **45**: 57, **45**: 59, **45**: 66, **48**: 90, **98**: 88, **153**: 70

Illustration **45**: 66
H. spectabile 'Carmen' **45**: 57, **46**: 90, **98**: 88
H. spectabile 'Crystal Pink' **116**: 51, **153**: 70
Illustration **116**: 52 (Fig 30)
H. spectabile 'Green Ice' **98**: 88
H. spectabile 'Humile' **98**: 88
H. spectabile 'Iceberg' (see *Sedum spectabile* 'Iceberg') **98**: 88, **113**: 60-62, **153**: 70
Illustration **113**: 60 (Fig 1), **113**: 62 (Fig 3), **143**: 84 (Fig 18)
H. spectabile 'Lisa' **98**: 89, **153**: 70
H. spectabile 'Meteor' **46**: 90, **98**: 89, **153**: 70
H. spectabile 'Neon' **98**: 89
H. spectabile 'Nordlicht' **98**: 89
H. spectabile 'Pink Chablis' **98**: 89
H. spectabile 'Pink Fairy' **98**: 89
H. spectabile 'Purple Face' **98**: 89
H. spectabile 'Rosenteller' **45**: 58-59, **98**: 89
H. spectabile 'Rubin' **98**: 89
H. spectabile 'Septemberglut' **48**: 36, **98**: 89, **98**: 91
H. spectabile 'Snowqueen' **98**: 89
H. spectabile 'Stardust' (see *Sedum spectabile* 'Stardust') **45**: 59, **48**: 36, **98**: 89
Reverting **19**: 9
H. spectabile 'Steven Ward' **98**: 89
H. 'Spirit' **98**: 91
H. 'Stardust' (see *Hylotelephium spectabile* 'Stardust')
H. 'Stewed Mountain Rhubarb' **45**: 59, **98**: 91, **153**: 70
H. 'Steven Ward' see (*Hylotelephium spectabile* 'Steven Ward')
H. 'Strawberries & Cream' (see *Hylotelephium telephium* 'Strawberries & Cream')
H. 'Sunkissed' (see *Hylotelephium telephium* subsp. *maximum* 'Sunkissed')
H. 'Sunset Cloud' **45**: 59, **98**: 91
H. 'Superstar' **153**: 70
H. tatarinowii
Illustration **155**: 113 (Fig 2)
H. tatarinowii 'Sunset Cloud' (see *Sedum tatarinowii* 'Sunset Cloud') **81**: 67, **89**: 71
H. tianschanicum **139**: 88
H. telephium (see *Sedum telephium*) **52**: 28-29, **72**: 29-30, **101**: 67, **112**: 32, **118**: 85, **120**: 39-42, **126**: 88-90, **132**: 43-44 (and grey ermine moth), **138**: 69-72, **147**: 78, **150**: 50, 54, 55, **153**: 70
Illustration **118**: 34, **126**: 89 (Fig 8), **131**: cover, **132**: 42 (Figs 19-22), **138**: 68 (Fig 17), **146**: 65 (Fig 12), **147**: cover, **150**: 50 (Fig a), 55 (Fig 7), **153**: 65 (Fig 13a)
H. telephium 'African Sunset' **98**: 88
H. 'Black Beauty' **153**: 70
H. telephium 'Bon Bon' **98**: 88
H. telephium 'Carl'
Illustration (flowering period) **82**: 86 (Fig 4)
H. telephium 'Drachenblut' **98**: 88
H. telephium fabaria (see *Sedum telephium* subsp. *fabaria* and *Sedum fabaria*) **44**: 40
H. telephium fabaria borderii (see *Sedum telephium* var. *borderi*) **44**: 40, **49**: 66, **153**: 70
Illustration (flowering period) **82**: 86
H. telephium 'Gooseberry Fool'
Illustration (flowering period) **82**: 86 (Fig 4)
H. telephium 'Herbstfreude' (see *Hylotelephium* 'Herbstfreude' and *Sedum telephium* 'Indian Chief') **153**: 71

Illustration (flowering period) **82**: 86 (Fig 4)
H. 'Hester' **153**: 70
H. telephium 'Jennifer' **98**: 88, **153**: 70
H. telephium 'Jose Aubergine' **98**: 88, **153**: 70
H. telephium 'Karfunkelstein' **98**: 88, **98**: 90, **153**: 70
 Illustration **126**: 103
H. telephium 'Lynda Windsor' **98**: 88
H. telephium 'Matrona' **153**: 71
 Illustration (flowering period) **82**: 86 (Fig 4), **153**: 69 (Fig 20)
H. telephium 'Mohrchen' (see *Sedum* 'Mohrchen')
 Illustration (flowering period) **82**: 86 (Fig 4)
H. telephium 'Emperor' **45**: 59, **91**: 19, **93**: 63, **98**: 89
 Illustration (flowering period) **82**: 86 (Fig 4)
H. telephium 'Purple Moon' **98**: 89
H. telephium (*purpureum*) (see *H. purpureum*)
 Illustration (flowering period) **82**: 86 (Fig 4)
H. telephium 'Red Cauli' **98**: 89, **153**: 71
 Illustration **153**: 69 (Fig 21)
H. telephium 'Red Rum' **98**: 89
H. telephium 'Roseovariegatum' **98**: 89
H. telephium 'Ruby Glow' **45**: 58, **45**: 66, **46**: 97
 Illustration (flowering period) **82**: 86 (Fig 4)
H. telephium 'Touchdown Teak' **153**: 70
H. 'Thundercloud' **153**: 70
H. 'Thunderhead' **153**: 70
H. telephium subsp. *maximum* **53**: 48, **54**: 65-79, **59**: 11, **59**: 15-22, **74**: 89, **82**: 80, **83**: 6, **92**: 37-44, **96**: 32, **97**: 63, **101**: 68, **118**: 105, **122**: 86, **128**: 45, **130**: 86
 Distribution in Austria **54**: 71-76
 Distribution in Finland **92**: 37-44
 Illustration (flowering period) **82**: 86 (Fig 4)
 Illustration **54**: 71-76, **83**: 6 (Fig 5), **92**: 41 (Fig 23), **96**: 32 (Fig 5), **96**: 34 (Fig 9), **97**: 63 (Fig 22), **122**: 86 (Fig 7b), **122**: 88 (Fig 10), **128**: 45 (Figs 24a-c)
H. telephium subsp. *maximum* 'Atropurpureum' (see *Sedum telephium* subsp. *maximum* var. *atropurpureum*) **98**: 88, **153**: 70
H. telephium subsp. *maximum* 'Bronco' **98**: 88
H. telephium subsp. *maximum* 'Gooseberry Fool' **153**: 70, 71
 Illustration **153**: 72
H. telephium subsp. *maximum* 'Green Expectations' **98**: 88
H. telephium subsp. *maximum* 'Savill Burgundy' **98**: 89
H. telephium subsp. *maximum* 'Sunkissed' **98**: 89, **153**: 70
H. telephium subsp. *ruprechtii* (see *Sedum telephium* subsp. *ruprechtii*) **53**: 48, **92**: 37-44
 Illustration (distribution in Finland) **92**: 39 (Fig 19), **153**: 70
 Illustration (flowering period) **82**: 86 (Fig 4)
 Illustration **92**: 39 (Fig 20), **92**: 40 (Fig 21), **92**: 41 (Figs 22 & 23), **92**: 43 (Fig 24)
H. telephium subsp. *ruprechtii* 'Beth's Special' **98**: 88
H. telephium subsp. *ruprechtii* 'Fiesta' **98**: 88
H. telephium subsp. *ruprechtii* 'Hab Grey' **98**: 88
H. telephium subsp. *ruprechtii* 'Pink Dome' **153**: 70
H. telephium subsp. *ruprechtii* 'Sandsturm'
H. telephium subsp. *telephium* **122**: 85-86, **128**: 45, **134**: 83
 Illustration **122**: 86 (Fig 7a), **128**: 45 (24a-c)
 Illustration (inflorescence) **120**: 42 (Fig 23)

H. telephium subsp. *telephium* 'Linda et Rodney' **98**: 89
H. telephium subsp. *telephium* 'Marchants Best Red' **98**: 89, **153**: (Fig 17)
H. telephium subsp. *telephium* 'Munstead Red' **45**: 58, **45**: 66, **46**: 90, **48**: 36, **98**: 89
 Illustration **45**: 66
H. telephium 'Strawberries & Cream' **48**: 36, **98**: 89, **153**: 70
H. telephium 'Xenox' **98**: 89
 Illustration **153**: 69 (Fig 19)
H. telephoides (see *Sedum telephoides*) **80**: 34-35
 Illustration **41**: 37, **80**: 34 (Figs 2 & 3), **80**: 35 (Figs 4 & 5)
H. 'Thua' **98**: 91, **136**: 11
 Description **85**: 52-53
 Illustration **85**: 53 (Fig 1)
H. 'Thundercloud' **88**: 42-43, **89**: 71, **98**: 91
 Illustration **88**: 42 (Fig 12)
 Illustration (inflorescence) **88**: 43 (Fig 13)
H. 'Václav Plestil's Red' **98**: 91, **136**: 8
 Illustration **136**: 8 (Fig 8)
H. 'Veluwse Wakel' **98**: 91, **153**: 70
H. 'Vera Jameson' (see *Sedum 'Vera Jameson'*) **45**: 59, **98**: 91, **153**: 70
H. ussuriense **131**: 15-21 (Figs 22 & 23)
H. ussuriense 'Chuwangsan' **131**: 15 (Fig 20)
H. ussuriense 'Pink Beacon' **131**: 20
H. ussuriense 'Turkish Delight' **131**: 20, **153**: 70
H. ussuriense ssp. *tsugaruense* **131**: 20
H. verticillatum
 Illustration **136**: 3 (Fig 3), **155**: 113 (Fig 3)
H. viridescens **131**: 19
H. viviparum **142**: 67-69
 Illustration **142**: 67-68 (Figs 17-19),
H. 'Washfield Purple' (see *Hylotelephium 'Purple Emperor'*)
H. 'Washfield Ruby' (see *Hylotelephium 'Purple Emperor'*)
H. 'Whetstone' (see *Sedum 'Whetstone'*)
H. 'Xenox' (*Hylotelephium telephium* 'Xenox'), **153**: 70

Jovibarba

J. allioni **101**: 68-69
 Illustration **101**: 68 (Fig 8)
J. globifera subsp. *hirta* 'Alaska' **88**: 41-42, **89**: 71
 Illustration **88**: 41 (Figs 11a & 11b)
J. globifera subsp. *lagariniana* (syn. *Sempervivum globiferum* subsp. *lagarinianum*) **96**: 31-36
 Illustration **96**: 32 (Fig 6), **96**: 33 (Figs 7 & 8), **96**: 34 (Fig 9), **96**: 35 (Fig 10)
J. heuffelii **84**: 31, **85**: 61, **92**: 25, **105**: 61, **119**: 12, **140**: 18-20, **146**: 60, 68-69
 Illustration **75**: 6 (Fig 3), **84**: 32 (Figs 4 & 5), **92**: 25 (Fig 5), **96**: 34 (Fig 9),
 105: 62 (Figs 5 & 6), **119**: 12 (Fig 8), **140**: 18-20 (Figs 26-35), **146**: 68 (Figs 17 & 18)

Kalanchoe

- K. arborescens* **130**: 81-84
Illustration **130**: 82 (Fig 2), **130**: 83 (Fig 3)
- K. beauverdii* **151**: 98
Illustration **151**: 97 (Fig 27), 98 (Fig. 28)
- K. beharensis* **106**: 83
Illustration **107**: cover
- K. blossfeldiana* **82**: 97
- K. CALANDIVA*® **82**: 95-97, **86**: 81-82
Illustration **82**: 96 (Figs 11 & 12)
Illustration (fasciation) **86**: 81 (Figs 8a & 8b)
- K. curvula* **142**: 70
- K. densiflora* **147**: 92
- K. farinacea* **85**: 57-58, **94**: 81-83
Illustration **85**: 58 (Fig 6), **94**: 82 (Figs 15 & 16)
- K. jongmansii* **142**: 70
- K. leblanciae* **142**: 70,
- K. luciae* **112**: 42-43
Illustration **112**: 42-43 (Figs 20 & 21)
- K. luciae* x *K. sexangularis* (see *K. 'Vivien'*)
- K. manginii* **142**: 70
- K. maramokotrensis* **142**: 70
- K. miniata* **142**: 70
- K. petitiana* **147**: 91-93
- K. prolifera* **142**: 70
- K. robusta* **87**: 18, **94**: 81-83
Illustration **85**: 59 (Fig 7) (caption subsequently corrected), **94**: 84 (Fig 17)
- K. rotundifolia* **94**: 81-83, **113**: 75
Illustration **94**: 85 (Figs 18 & 19), **113**: 75 (Figs 26 & 27)
- K. scapigera* **94**: 81
- K. sexangularis* **112**: 42-43
Illustration **112**: 43 (Fig 21)
- K. socotrana* **94**: 83
- K. spathulata* (?) **153**: 54
Illustration **153**: cover
- K. 'Vivien'* **112**: 40-43
Illustration **112**: 40-43 (Figs 16-21)
- K. x houghtonii* **146**: 56
Illustration **146**: 56 (fig 1)

Lenophyllum

- L. guttatum* **98**: 79-81
Illustration **98**: 80 (Figs 14 & 15), **98**: 81 (Fig 16)

Lewisia

L. cantelovii **89**: 57
L. cotyledon
Illustration **146**: 55 (Fig c)

Meterostachys

M. sikokiana
Illustration **49**: 52

Monanthes

M. brachycaulos **147**: 98
Illustration **147**: 99 (Fig 22)
M. laxiflora **102**: 98, **109**: 58-60, **125**: 60, **125**: 61
Illustration **102**: 98 (Fig 8), **109**: 59 (Figs 5 & 6), **125**: 60 (Fig 19), **125**: 62 (Fig 20),
151: 91 (Fig. 16 erroneously captioned *M. laxum*)
M. lowei **118**: 92-93
Illustration **93**: 66 (Figs 22, 23a & b)
Illustration (postage stamp) **118**: 92 (Fig 10)
Propagation **93**: 65-67
M. minima **150**: 59, 60
Illustration **150**: 62 (Fig 19 a,b,c)
M. muralis **118**: 102, 149: 40-42
Illustration **118**: 100 (Figs 27 & 28), **149**: 41 (Fig 19), 42 (Figs 21 & 22)
M. pallens **125**: 60
Illustration **125**: 60
M. polyphylla **85**: 53-55
Illustration **150**: 57 (Fig 12)
M. polyphylla subsp. *amydros* **125**: 59-60, **125**: 61
Illustration **125**: 59 (Fig 17), **125**: 62 (Fig 20)
M. subrosulata **118**: 99-103
Illustration **118**: 101 (Figs 24-26)
Illustration (Habitat) **118**: 100 (Figs 22 & 23)
M. x isabellae nothosubsp. *gomerensis* **125**: 61-63
Illustration **125**: 62 (Fig 20), **125**: 63 (Fig 21)

Montia

M. parviflora **89**: 58

Mucizonia

M. campanulata
Illustration **21**: 9
M. hispida

Illustration **16**: 16

Oliveranthus (Oliverella) *see Echeveria*

150: 67

Illustration **150**: 67 (Fig 31)

Orobanche

O. uniflora **88**: 40

Illustration **88**: 40 (Fig 10)

Orostachys

O. aggregatum **43**: 7

O. aggregata fa *rosea* **133**:75

Illustration **133**:75 (Fig 27)

O. boehmeri (see *Hylotelephium boehmeri*) **123**: 18-19

Illustration **93**: 64 (Fig 19)

O. fimbriatus

Illustration **137**: 33 (Fig 1)

O. genkaiense **43**: 7

O. 'Genkai-Iwarenge'

Illustration **43**: 12

O. iwarenge (see *Hylotelephium chongsunese*) **43**: 7

O. iwarenge 'Houou'

Illustration **109**: 76 (Figs 33a & b)

O. iwarenge 'Kujaku' **44**: 49

O. japonica **82**: 98, **126**: 84-85

Illustration **126**: 84 (Fig 1), **126**: 85 (Fig 2), **151**: 102 (Fig 38)

O. japonica var. *polycephala* **133**: 74

O. japonica var. *erubescens* **133**: 74

O. limuloides **133**: 75

O. malacophylla var. *iwarenge* 'Genkaiense' **43**: 7, **43**: 12

O. malacophylla var. *malacophylla* **43**: 7

O. malacophylla var. *aggregata* (see *Hylotelephium malacophyllum* var. *aggregatum*)

Illustration **93**: 5 (Fig 20)

O. malacophylla var. *genkaiensis* **133**: 74

O. paradoxa (see *Hylotelephium paradoxum*) **49**: 50, **49**: 61

Illustration **49**: 62

O. spinosa **72**: 43-44, **90**: 82-86, **92**: 33, **139**: 89

Illustration **103**: 25 (Fig 32), **139**: 90 (Figs 19a-d), **140**: 6 (Fig 5 as *O. minuta*),

Illustration (fascinated flowering stem) **90**:83 (Fig 7)

Illustration (flowering) **72**: 43 (Fig 9)

Illustration (inflorescence) **72**: 44 (Fig 10)

Illustration (in situ) **92**: 33 (Figs 10 & 11)

127: 13-14

Illustration (flowering) **127**: 13 (Figs 15 & 16), **127**: 14 (Fig 17)
O. spinosa var. *thyrsiflora* **92**: 33
O. thyrsiflora **139**: 87
Illustration **139**: 91 (Fig 20)

Oxalis

O. pes-caprae (invasive weed) **112**: 32-33, **122**: 94-96
Illustration **112**: 33 (Fig 2), **122**: 96 (Fig 18)

Pachypodium

P. namaquanum **120**: 31

Pachyphytum

150: 67
Illustration **150**: 67 (Fig 32) petal appendages
P. bracteosum **83**: 9
P. brevifolium **79**: 2
Illustration **79**: cover
P. fittkaui **97**: 54-55
Illustration **97**: 54 (Figs 7 & 8)
P. hookeri **83**: 8, **89**: 58
P. oviferum **88**: 46
Illustration **103**: 25 (Fig 31)
P. viride **97**: 55

Parvisedum

P. congdonii **33**: 13, **34**: 17
Illustration **33**: 12
P. leiocarpum **33**: 13
P. pentandrum **33**: 13
Illustration **33**: 12
P. pumilum **33**: 13, **34**: 16
Illustration **34**: 17, **35**: centerfold

Pediocactus

P. simpsonii **108**: 46-49

Petrosedum

- P. albescens* (see *Sedum ochroleucum* subsp. *mediterraneum*) **114**: 109, **126**: 90-91
 Illustration **126**: 90 (Fig 9), **126**: 91 (Fig 10)
- P. amplexicaule* (see *Sedum amplexicaule*) **81**: 62-63, **82**: 94-95, **93**: 61-63, **100**: 52, **102**: 103, **112**: 35, **113**: 72, **122**: 94-95, **127**: 8, **130**: 80, **143**: 76-77, 147: 91
 Illustration **81**: 62 (Fig 4), **102**: 103 (Fig 15), **122**: 95 (Figs 16 & 17), **130**: 80 (Fig 1), **140**: 14 (Fig 20), **147**: 91 (Fig 14)
- P. amplexicaule* subsp. *amplexicaule* (see *Sedum amplexicaule* subsp. *amplexicaule*) **93**: 61-63, **123**: 15
 Distribution map (Turkey) **111**: 18 (Fig 22)
 Illustration **93**: 62 (Figs 14 & 15), **123**: 15 (Figs 20 & 21), **143**: 77 (Fig 4), map **143**: 77 (Fig 5)
- P. amplexicaule* subsp. *tenuifolium* (see *Sedum amplexicaule* subsp. *tenuifolium*) **82**: 94, **92**: 26, **93**: 61-63, **100**: 50, **100**: 52, **107**: 16, **108**: 29, **111**: 17, **112**: 38, **132**: 36, **148**: 8
 Illustration **93**: 62-63 (Figs 16 & 17), **143**: 77 (Fig 3), map **143**: 77 (Fig 5)
- P. dianium* **114**: 109
- P. erectum* **105**: 66-72, **121**: 57-59
 Illustration **105**: 67 (Fig 12), **105**: 69 (Fig 13), **105**: 70 (Fig 14), **121**: 57 (Fig 1), **121**: 58 (Fig 2), **121**: 59 (Fig 3)
- P. forsterianum* (see *Sedum forsterianum* and *Petrosedum rupestre*) **82**: 94, **90**: 81, **97**: 55-56, **107**: 19, **112**: 32, **113**: 72-74, **117**: 62-64, **125**: 64, **147**: 80, 88, **148**: 2, **150**: 50, 52
 Distribution **97**: 56 (Fig 7)
 Illustration **107**: 19 (Fig 25), **117**: 79 (Fig 25), **125**: 64 (Fig 24), **147**: 80 (Fig 1), 89 (Figs 8-10), **150**: cover, 50 (Fig a)
- P. forsterianum* fm. *elegans* **94**: 93, **120**: 24-26
 Illustration **120**: 26 (Fig 3)
- P. forsterianum* subsp. *elegans* 'Silver Stone' **81**: 71-74
 Illustration **81**: 73 (Fig 15), **81**: 71 (Fig 14)
- P. montanum* (see *Sedum montanum*) **82**: 94, **87**: 17, **95**: 5-7, **97**: 56, **101**: 67-70, **120**: 47-48, **122**: 88, **128**: 42-44, **132**: 41, **140**: 14-16,
 Illustration **95**: 8 (Fig 7), **101**: 70 (Fig 12), **120**: 50-51 (Figs 32 & 33), **128**: 43 (Fig 21), (anomalous inflorescence) 44 (Fig 23), **132**: 41 (Fig 18), **140**: 14 (Fig 21), 17
- P. montanum* fm. *lunigianica* **128**: 42-44
 Illustration **128**: 44 (Fig 22)
- P. montanum* fm. *lunigianicum* (see *Petrosedum montanum* fm. *lunigianica*) **130**: 79
- P. montanum* subsp. *montanum* (see *Sedum montanum* subsp. *montanum*) **87**: 16, **105**: 66-72
- P. montanum* subsp. *orientale* (see *Sedum montanum* subsp. *orientale*) **82**: 94, **95**: 7, **98**: 73, **105**: 66-72
- P. montanum* x *P. rupestre* **87**: 16-17
 Illustration **87**: 18 (Fig 13)
- P. monteferraticum* **143**: 80-83
 Illustration **143**: 81 (Figs 9, 10), **82** (Figs 11, 12, 14), **83** (Figs 15 & 17)
- P. ochroleucum* (see *Sedum ochroleucum*) **82**: 94, **84**: 31, **87**: 16, **92**: 25-26, **97**: 56-57, **98**: 73, **103**: 17-18, **105**: 64, **129**: 57, **130**: 80, **130**: 84-85, **132**: 34, 36, **137**: 42-44, **140**: 15, 17, **144**: 22, **148**: 2, 8, 18, **149**: 34, 36, **152**: 13, **154**: 93, 94
 Distribution **132**: 34 (Fig 4),
 Illustration **84**: 30 (Figs 3a & 3b), **103**: 17 (Fig 20), **132**: 36 (Fig 8), **137**: 43 (Figs 19a & 19b), **140**: 15 (Fig 23), **148**: 11 (Fig 12), 18 (Fig 25) map, **149**: 34 (Fig 10)
 Illustration (crispate form) **130**: 84 (Fig 5), **152**: 12 (Fig 18)
- P. pruinatum* (see *Sedum pruinatum*) **82**: 92-95, **113**: 74
 Illustration **82**: 93 (Fig 9), **82**: 94 (Fig 10), **113**: 74 (Figs 24 & 25)

P. reflexum (see *Sedum reflexum*) **105**: 66-72, **107**: 19, **121**: 56
 Illustration **104**: 55 (Fig 30), **143**: 82 (Figs 13 & 14)

P. rupestre (see *Sedum rupestre* and *Petrosedum forsterianum*) **82**: 94, **87**: 17, **97**: 62, **101**: 67, **104**: 48-55, **107**: 19, **109**: 64, **118**: 82, **118**: 105, **119**: 13-16, **120**: 47, **148**: 2- 3, **150**: 52
 Illustration **104**: 49 (Fig 26), **104**: 55 (Fig 29), **118** : cover, **119**: 14 (Figs 11 & 12), **122** : 84, **131**: 2 (Fig a), **140**: 14-17

P. rupestre fma *floris-precocis* **119**: 15

P. rupestre subsp. *erectum* (see *Sedum rupestre* subsp. *erectum*) **82**: 94, **97**: 55-57, **98**: 72-73
 Distribution **97**: 56 (Fig 8), **98**: 72 (Fig 1)
 Distribution (Type locality) **97**: 57 (Fig 9)
 Illustration **98**: cover, **98**: 73 (Fig 2)

P. rupestre subsp. *rupestre* (see *Sedum rupestre* subsp. *rupestre*) **87**: 16, **97**: 55-56, **119**: 15
 Illustration **97**: 62 (Fig 18), **140**: 13 (Fig 19),

P. rupestre 'Angelina's Teacup' 154: 87

P. sediforme (see *Sedum sediforme*) **82**: 94, **87**: 16, **88**: 43-44, **90**: 79, **90**: 81, **98**: 86-88, **99**: 9-11, **105**: 70, **106**: 97-99, **109**: 67, **111**: 4, **111**: 17, **113**: 74, **117**: 62-64, **120**: 24-25, **122**: 84-86, **123**: 13, **125**: 64, **130**: 80, **132**: 34, 36, 40-41, **134**: 87, 90-95, **140**: 16-17, **148**: 7, **149**: 37, 39
 Distribution map (Turkey) **111**: 18 (Fig 22), (Kefallonia) **132**: 34 (Fig 4), **134**: 91-92 (Figs 87, 9), **143**: 76 (Fig 2), **144**: 22, **147**: 80
 Illustration **88**: 43 (Figs 14 & 15), **98**: 87 (Fig 22), **99**: 12 (Fig 15), **106**: 98 (Fig 19), **111**: 5 (Fig 1), **112**: 33 (Fig 3), **120**: 24 (Fig 1), **120**: 25 (Fig 2), **132**: 36 (Fig 9), 40-41: (Figs 15-17), 134: 91-95 (Figs 8, 10-13), **140**: 16 (Fig 24), **147**: 80 (Fig 1)
 Illustration (purple form) **124**: 47 (Fig 32), **125**: 64 (Figs 22 & 23), **131**: 2 (Fig a)

P. sediforme (var. *dianium*) **137**: 48-51
 Illustration **137**: 48 (Fig 24), 49 (Fig 25), 50 (Fig 26), 51 (Fig 27)

P. subulatum (see *Sedum subulatum*) **122**: 99-103

P. thartii **121**: 56, **140**: 15-17, **143**: 80-83
 Illustration **138**: 55, **140**: 15 (Fig 22), **143**: 83 (Figs 16 & 17)

P. x affomarcoi **136**: 23-24
 Illustration **136**: 23 (Fig 23), 24 (Fig 24)

P. x brevierei **113**: 88

P. x estrelae (*P. forsterianum* x *P. sediforme*) **117**: 62-65, **125**: 64, **147**: 80
 Illustration **117**: 64 (Figs 6 & 7), **147**: 80

P. x hegnaueri **113**: 88

P. x henkii **113**: 88

P. x lorenzoi **113**: 88

P. x luteolum **105**: 71

P. x nicaeense **113**: 88, **121**: 62

P. x pascalianum **113**: 88

Phedimus

P. aizoon (see *Sedum aizoon*) **82**: 88, **99**: 25-27, **101**: 70-74, **118**: 85, **134**: 83, 154: 104
 Illustration **82**: 85 (Fig 3) (flowering period), **99**: 26 (Fig 30) (Leaves), **137**: 33 (Fig 2), **154**: 104 (Fig 28)

P. aizoon 'Aurantiacum'

- Illustration (flowering period) **82**: 85 (Fig 3)
- P. aizoon* var. *aurantiacus* **99**: 25
- P. aizoon* var. *floribundus* **99**: 25
- Illustration (flowering period) **82**: 85 (Fig 3)
- Illustration **56**: 37
- P. aizoon* var. *scabrus*
- Illustration **82**: 85 (Fig 3) (flowering period), **155**: 112 (Fig 21)
- P. 'Alexa'*
- Illustration **105**: 65 (Figs 10 & 11)
- P. ellacombeanus* (see *Sedum ellacombeanum*) **99**: 7, **99**: 24-27, **101**: 70-74, **138**: 63, **149**: 26-27, **152**: 14-15
- Illustration **99**: 7 (Fig 4), **143**: 85 (Fig 22), **152**: 15 (Fig)
- Illustration (flowering period) **82**: 85 (Fig 3)
- Illustration (leaves) **99**: 24 (Fig 27), **101**: 71 (Fig 13)
- P. ellacombeanus* 'Cutting Edge'
- Illustration **118**: 87 (Fig 2)
- P. floriferus* 'Hemuli'
- Description **124**: 35-39
- Illustration **124**: 36 (Fig 19), **124**: 38 (Fig 21), **124**: 39 (Fig 22)
- Illustration (inflorescence) **124**: 37 (Fig 20)
- P. hybridus* **72**: 45-46, **77**: 61, **82**: 84-85, **92**: 26, **99**: 25, **101**: 70-74, **113**: 58-59, **139**: 87, **88**
- Illustration **82**: 90 (Fig 6), **91**: 32 (Fig 9), **139**: 89 (Fig 16), **153**: 65 (Fig 13b)
- Illustration (flowering period) **82**: 85 (Fig 3)
- Illustration (leaves) **99**: 25 (Fig 28), **101**: 73 (Fig 15)
- P. hybridus* 'Czar's Gold' **82**: 84-85, **96**: 2, **99**: 25, **101**: 71-74
- Illustration **96**: cover
- Illustration (leaves) **99**: 25 (Fig 28), **101**: 72 (Fig 14)
- P. hybridus* 'H3' **101**: 72-74
- Illustration (leaves) **101**: 74 (Fig 17)
- P. hybridus* 'Immergünchen' **101**: 72-74
- Illustration (leaves) **101**: 72 (Fig 14)
- P. hybridus* 'Jan Erik' **101**: 72-74
- Illustration (leaves) **101**: 73 (Fig 16)
- P. hybridus* 'Vasa' **101**: 72-74
- Illustration (leaves) **101**: 73 (Fig 16)
- P. kamtschaticus* **99**: 25-27, **101**: 70-74, **105**: 65, **118**: 85, **127**: 3, **134**: 83,
- Illustration **56**: 37, **82**: 85 (Fig 3) (flowering period), **99**: 27 (Fig 31), **101**: 74 (Fig 74), **109**: 79 (Fig 37), **127**: 3 (Fig 1), **146**: 74
- P. kamtschaticus* *floriferus* 'Weihenstephaner Gold' **82**: 84-85
- Illustration (flowering period) **82**: 85 (Fig 3)
- P. kamtschaticus* 'Variegatus' **124**: 35-39
- Illustration **116**: 55 (Fig 39), **124**: 39 (Fig 22)
- P. middendorffianus* **82**: 83-85, **86**: 91, **92**: 31, **99**: 25
- Illustration (flowering period) **82**: 85 (Fig 3), **143**: 79 (Fig 5)
- Illustration (leaves) **99**: 26 (Fig 29)
- P. middendorffianus* ssp. *arcuatus* **131**: 27
- P. middendorffianus* var. *diffusus* **86**: 91
- Illustration (leaves) **99**: 26 (Fig 29), **143**: 79 (Fig 6)
- P. middendorffianus* 'Striatus' **143**: 79 (Fig 7)

- P. obtusifolius* (see *Sedum obtusifolium*) **59**: 10, **72**: 34, **79**: 5-7, **108**: 33-34, **111**: 25-27, **134**: 83,
 Distribution (Turkey) **79**: 7 (Fig 6), **108**: 34 (Fig 12)
 Illustration **72**: 34 (Fig 8), **79**: 6 (Figs 4 & 5), **108**: 33 (Figs 11a & b), 34 (Figs 11c & d), **111**: 26 (Fig 32), 27 (Figs 33 & 34)
- P. obtusifolius* (see *Sedum obtusifolium*) **59**: 10, **72**: 34, **79**: 5-7, **108**: 33-34, **111**: 25-27, **134**: 83, **141**: 31-32 (as *S. milii*)
 Distribution (Turkey) **79**: 7 (Fig 6), **108**: 34 (Fig 12),
 Illustration **72**: 34 (Fig 8), **79**: 6 (Figs 4 & 5), **108**: 33 (Figs 11a & b), 34 (Figs 11c & d), **111**: 26 (Fig 32), 27 (Figs 33 & 34), **141**: 33 (Figs 8a & 8b)
- P. oppositifolius* (see *P. spurius albus*) **129**: 66-71
 Illustration (line drawing) **129**: 69 (Fig 29)
- P. pseudohybridus* **131**: 27
- P. seskianus* **99**: 27, **152**: 14-15
 Illustration (flowering period) **82**: 85 (Fig 3), **149**: (Fig a), **152**: 15 (2 figs)
- P. seliskianus* 'Goldilocks' **76**: 30-31
 Illustration **76**: cover, **143**: 84 (Figs 21a & b)
- P. spurius* **53**: 41, **59**: 10, **87**: 22, **91**: 9, **96**: 28, **97**: 64, **108**: 26, **109**: 78, **113**: 58-59, **118**: 85, **129**: 66-71, **134**: 83, 86, **144**: 21
 Illustration (flowering period) **82**: 85 (Fig 3)
 Illustration **53**: 42, **134**: 86 (Fig 3),
 Illustration (green carpet) **109**: 78 (Figs 35 & 36)
 Illustration (location) **71**: 10 (Fig 6)
 Illustration (variegated sport) **127**: 6
 Invasive **130**: 79
 Location **71**: 6-10
- P. spurius albus* (see *P. oppositifolius*) **71**: 10, **129**: 66-71
 Illustration **129**: 68 (Fig 28)
 Illustration (line drawing) **129**: 69 (Fig 29)
- P. spurius* 'Cream Split' **76**: 33, **77**: 60-61
 Illustration **76**: 33 (Fig 7)
- P. spurius* 'Fuldaglut' **118**: 86
- P. spurius* 'Green Mantle' **99**: 7
 Illustration **99**: 7 (Fig 5)
- P. spurius* 'John Creech'
 Description **60**: 40-42
 Illustration **60**: 98
- P. spurius* 'Leningrad White'
 Description **60**: 40-43
 Illustration **60**: 105, **117**: 59 (Figs 6 & y)
- P. spurius* 'Raspberry Red' **143**: 74
 Illustration **143** (cover)
- P. spurius* 'Splendens'
 Illustration (flowering period) **82**: 85 (Fig 3)
- P. spurius* 'Tricolor' **76**: 33, **77**: 60-61, **98**: 84-86, **105**: 65
 Illustration **98**: 85 (Figs 19 & 20)
 Illustration (reversion of foliage) **105**: 65 (Fig 9)
- P. spurius* var. *oppositifolius* **59**: 9
- P. stellatus* **41**: 48, **73**: 53-54, **73**: 56, **99**: 11, **111**: 4, **116**: 41-43, **132**: 34, 36, **134**: 83, 87, **154**: 94-96
 Distribution **132**: 34 (Fig 4),

Illustration **78**: cover, **99**: 12 (Fig 16), **116**: 42-43 (Figs 11-14), **131**: 13-14 (Fig 19),
134: 87-88 (Figs 4-6), **154**: 95 (Fig 15)
P. stoloniferus **59**: 10, **71**: 7-9, **72**: 45, **79**: 4, **107**: 2, **118**: 85, **120**: 28-29, **123**: 21, **138**:
63-64
Illustration **120**: 28 (Fig 5), **131**: 3 (Fig b), **138**: 64 (Figs 11 & 12)
Illustration (Flowering) **71**: 7 (Fig 3)
Illustration (flowering period) **82**: 85 (Fig 3)
P. takesimense (see *Sedum takesimense*) **51**: 10-11, **72**: 36-37, **72**: 45, **82**: 83
Illustration (flowering period) **82**: 85 (Fig 3)
P. takesimensis 'Atlantis' **137**: 37-38
Illustration **137**: 38 (Fig 11)
P. x pilosa **131**: 27
P. yangshanicus **134**: 83

Pilea

P. perperomioides **81**: 75
P. serpyllacea **81**: 75-76
Illustration **81**: 75 (Fig 16)

Pistorinia

P. brachyantha **82**: 78, **115**: 6-7
Illustration **82**: cover, **115**: 6 (Fig 8), **115**: 7 (Figs 9a-c)
P. brevifolia **50**: 82
P. brevifolia subsp. *intermedia* **114**: 116
Illustration **114**: 116 (Figs 29a-c)
P. brevifolia subsp. *intermedia* 'Marie'
Illustration **31**: 1

Prometheum

P. aizoon
Classification **71**:11
P. chrysanthum **101**: 62
Classification **71**:11
P. muratdaghense **101**: 62, **148**: 23, **154**: 87
Illustration **154**: 89 (Fig 6)
Classification **71**:12
Illustration **71**:12 (Fig 7), **101**: 62 (Figs 3a & 3b), **148**: 23 (Figs 32a & b), (Fig 33)
map
P. pilosum **59**: 10
Classification **71**:12
Illustration **120**: cover
P. rechingeri
Classification **71**:12
Illustration **71**:12 (Fig 8)

P. sempervivoides **100**: 52, **109**: 67
 Illustration **155** (cover)
 Classification **71**:12
 Distribution map (Turkey) **100**: 53
 Illustration **75**: 21 (Fig 25), **100**:53 (Fig 20)
P. serpentinicum **101**: 60-63, **116**: 48-49
 Classification **71**:12
 Illustration **101**: 61 (Figs 1a & 1b), **101**: 62 (Figs 2 & 3c), **116**: 49 (Figs 25 & 26)
 Illustration (Inflorescence) **116**: 48 (Fig 24)
P. serpentinicum var. *giganteum*
 Illustration **71**:13 (Fig 9)
P. tymphaeum **84**: 42, **86**: 78
 Classification **71**:12
 Illustration **84**: 42 (Fig 11a & 11b), **86**: 78 (Fig 1)

Pseudosedum

P. campanulifolia **39**: 6-7, **58**: 104
 Illustration **58**: 104
P. condensatum **39**: 7, **60**: 25-26
 Illustration **60**: 25
P. fedtschenkoanum **39**: 6-7
 Illustration **39**: centrefold
P. ferganense **139**: 88
P. kuramense **59**: 1-2
 Illustration **59**: 1-2
P. lievenii **139**: 88, 89
 Illustration **139**: 89 (Figs 17&18),
P. longidentatum **131**: 6-8 (Figs 7 & 8)

Rhodiola

32: 8, **32**: 13, **33**: 5, **33**: 17, **33**: 19, **34**: 4, **34**: 11, **34**: 24, **35**: 6, **35**: 23-24, **36**:
 6-8, **150**: 67
 Illustration **150**: 67 (Fig33)
R. algida **92**: 36
 Illustration **92**: 35 (Fig 16), **106**: 100 (Fig 24)
R. amabilis (see *Sedum amabile*)
 Illustration **51**: 29, **75**: 6 (Fig 4), **81**: 67 (Fig 8), **115**: 25 (Fig 34)
R. affin. amabilis (see *R. fui*)
R. angusta **104**: 46-47, **131**: 19
 Illustration **104**: 47 (Figs 21-23)
R. atuntsuensis **154**: 105
 Illustration **154**: 106 (Fig 33), 107 (Fig 34)
R. bupleuroides (see *Sedum bupleuroides*) **74**: 95-100, **77**: 63-64

- Illustration **74**: 100 (Fig 10), **77**: 68 (Fig 18), **77**: 69 (Fig 22), **129**: cover, **129**: 50 (Fig x)
- R. chrysanthemifolia* **105**: 76-77
 Description **104**: 42-43
 Illustration **104**: 43 (Fig 18), **105**: 76 (Fig 19)
 Illustration (inflorescence) **104**: 42 (Fig 17), **105**: 77 (Fig 20)
- R. coccinea* **93**: 55, **139**: 87
 Illustration **93**: 56 (Fig 6), **139**: 87 (Fig 12),
- R. crassipes* **142**: 58
 Illustration **142**: 58 (Fig 8)
- R. crenulata* **77**: 63
 Illustration **77**: 69 (Fig 20 & 21)
- R. cretinii* subsp. *cretinii* **77**: 63-64
 Illustration **77**: 67 (Figs 13), **77**: 68 (Figs 17 & 19), **77**: 70 (Fig 23)
- R. discolor*
 Illustration **75**: 7 (Fig 5), **75**: 8 (Fig 6)
- R. dumulosa* (see *Sedum dumulosum*) **81**: 67, **125**: 70
 Illustration **125**: 69 (Fig 32), **148**: 5 (Fig 3)
- R. fastigiata* (see *Sedum fastigiatum*) **77**: 62-63, **137**: 34
 Illustration **77**: 64 (Fig 6), **77**: 65 (Fig 9), **77**: 66 (Fig 11), **137**: 34 (Fig 5)
- R. fui* (see *R. affin. amabilis*) **112**: 34-35
 Illustration **112**: 34 (Fig 4), **112**: 35 (Fig 5)
- R. gelida* **139**: 87
- R. handelii* **78**: 97-98
- R. heterodonta* **137**: 34, **139**: 87, **142**: 58
 Illustration **84**: cover, **137**: 34 (Fig 4), **142**: 58 (Fig 9)
- R. himalensis* (see *Sedum himalense*) **77**: 63
 Illustration **77**: 67 (Figs 14, 15 & 16)
- R. hobsonii* **50**: 80, **78**: 97-98
- R. humilis* **78**: 97
 Illustration **151**: 103 (Fig 39 as *S. barnesianum*)
- R. integrifolia* (see *Sedum integrifolium*) **55**: 6, **90**: 76, **96**: 40-41, **101**: 64, **106**: 99-100
 Illustration **90**: 7 (Fig 2), **96**: 42 (Fig 13), **101**: 64 (Fig 3), **106**: 100 (Fig 21)
- R. integrifolia* subsp. *leedyi* (see *Sedum integrifolium* subsp. *leedyi*) **55**: 6
- R. integrifolia* subsp. *neomexicana* **55**: 7
- R. integrifolia* subsp. *procera* **55**: 7
- R. ishidae* **121**: 69, **131**: 8-11, **137**: 35
 Illustration **131**: 9 (Fig 9), 10 (Fig 10), **137**: 35 (Fig 7)
- R. kaschgarica* **139**: 87
- R. kirilowii* **77**: 62, **139**: 87, **154**: 105
 Illustration **135**: 114 (Fig 8), **154**: 106 (Fig 32)
- R. litwinowii* **139**: 87
- R. linearifolia* (see *Sedum linearifolium*) **93**: 53-55, **137**: 35, **139**: 86, 87
 Illustration **93**: 54 (Fig 3), **93**: 55 (Fig 4), **137**: 35 (Fig 6), 139: 86 (Fig 11)
- R. macrocarpa* **99**: 13-14
 Illustration **99**: 13 (Fig 17 & insert)
- R. marginata* **74**: 95-99
 Illustration **72**: 101 (Fig 11)
- R. pachyclados* (see *Sedum pachyclados*) **78**: 97-99
- R. pamiroalaica* **139**: 87
- R. prainii* **74**: 95, **74**: 98
- R. primuloides* **78**: 97

- Illustration **121** : 60, **135** : 114 (Fig 10)
- R. quadrifida* **93**: 52-55, **111**: 8, **142**: 58
 Illustration **93**: 52 (Figs 1 & 2), **111**: 8 (Fig 6)
- R. recticaulis* **139**: 87
- R. rhodantha* (see *Sedum rhodanthum*) **55**: 8, **101**: 66 (Fig 6)
 Illustration **101**: 66, **106**: 100 (Fig 23)
- R. rosea* (see *Sedum rosea*) **37**: 5, **38**: 17, **44**: 41, **48**: 33, **48**: 36, **50**: 80, **55**: 8, **82**: 98, **87**: 14-16, **92**: 34-36, **93**: 53, **95**: 6, **107**: 20-21, **115**: 31, **118**: 85, **120**: 36-37, **120**: 48, **121**: 67-69, **123**: 3, **131**: 19, **133**: 55, **137**: 36-37, **144**: 20, **146**: 61-67, **148**: 2-3, **149**: 39
 Illustration **48**: 36, **92**: 34 (Fig 14), **92**: 35 (Fig 15), **95**: 6 (Fig 4), **106**: 100 (Fig 22), **107**: 20 (Fig 28 & 29), 21 (Fig 30 & 31), **114**: Cover, **120**: 37 (Fig 19), **122**: Cover, **123**: 3 (Fig x), **137**: 36 (Figs 8 & 9), 37 (Fig 10), **146**: 62 (Fig 8), 63 (Figs 9 & 10), 64 (Fig 11), **148**: 3 (Fig a), **149**: 39 (Fig 17)
 Propagation **88**: 32-34, **87**: 15 (Fig 12), **88**: 33 (Fig 1)
- R. saxifragoides* **78**: 97
 Illustration **78**: 99 (Fig 16)
- R. semenowii* **139**: 87
- R. smithii* **77**: 54-55, **77**: 64, **78**: 97-98
 Illustration **77**: 54 (Fig 2), **77**: 70 (Fig 24), **78**: 99 (Fig 15)
- R. sinuata* **152**: 4-6
 Illustration **152**: 4 (Fig 1), 5 (Fig 2), 6 (Fig 3)
- R. sp.* **110**: 101-103
 Illustration **110**: 102 (Figs 21, 22, 23 & 24)
 Illustration (inflorescence) **110**: 101 (Fig 20), **110**: 103: (Figs 25 & 26)
- R. stapfii* **74**: 95-99
- R. tibetica* **111**: 8
 Illustration **111**: 8 (Fig 6)
- R. tsangpotibetanum* **78**: 98
- R. wallichiana* (see *Sedum wallichianum*) **37**: 21, **77**: 62, **111**: 8
 Illustration **111**: 8 (Fig 6), **116**: 44-45 (Figs 15-18)
- R. yunnanensis* **154**: 104
 Illustration **121**: 61, **135**: 114 (Fig 9), **148**: 5 (Fig 4), **154**: 105 (Fig 30)

Rosularia

- R. adenotricha* **53**: 31
- R. aizoon*
 Reclassification **71**:11
- R. alpestris* **93**: 55-57, **139**: 90,
 Illustration **93**: 55 (Fig 5), **93**: 57 (Fig 7), **139**: 91 (Figs 21a,b)
- R. chrysantha*
 Reclassification **71**:11
- R. cypria*
 Illustration (Postage stamp) **39**: 14
- R. glabra* **139**: 90, 91

- Illustration **139**: 91, 92 (Figs 22 & 23)
- R. globulariifolia* **60**: 29, **94**: 94-95, **100**: 53, **109**: 68, **111**: 9, **113**: 68-71, **115**: 21-22
 Distribution **94**: 94 (Fig 24)
 Illustration **94**: 95 (Fig 25), **111**: 9 (Fig 9), **113**: 69 (Fig 15)
- R. lutea* **139**: 90
- R. pallidiflora* **100**: 53, **101**: 76-78, **113**: 69-71
 Distribution map (Turkey) **100**: 53
 Illustration **101**: 76 (Fig 20), **113**: 70 (Figs 16 & 17)
- R. platyphylla* **139**: 90 (as *borissovae*), 91
 Illustration **139**: 93 & 94 (Figs 24 & 25)
- R. radicata* **139**: 90
- R. rechingeri*
 Reclassification **71**:12
- R. rosulata* **119**: 16-17
- R. sempervivoides* **72**: 32
- R. sempervivum* **72**: 31-33, **100**: 50, **100**: 52, **111**: 9
 Illustration **75**: 5 (Fig 2), **100**: 50 (Fig 16), **111**: 9 (Fig 9)
- R. sempervivum* subsp. *glaucophylla* **80**: 29-30, **100**: 52, **108**: 29
 Illustration **80**: 30 (Fig 2), **108**: 30 (Fig 4), **155**: 131 (Fig 28)
- R. sempervivum* subsp. *pestalozzae* **59**: 7, **80**: 29-30, **109**: 68-69, **113**: 68-71, **114**: 96, **116**: 41
 Illustration **59**: 96, **80**: 30 (Fig 3), **113**: 69 (Fig 14), **116**: 41 (Fig 10)
 Illustration (blue form) **109**: 68 (Fig 19)
 Illustration (variation – leaf colour) **114**: 96 (Fig 1)
- R. sempervivum* subsp. *sempervivum* **108**: 28-30
- R. serpentinica* (see *Prometheum serpentinicum*)
- R. serpentinicum*
 Reclassification **71**:12
- R. serpentinicum* var. *giganteum*
 Reclassification **71**:12
- R. serrata* **53**: 29, **59**: 8, **60**: 30-31, **88**: 44
 Illustration **52**: 39
- R. x reginae* **111**: 9
 Illustration **111**: 9 (Fig 8)
- R. viguieri* **126**: 102

Sedastrum

- 150: 68
 Illustration spp **94**: 75 (Fig 5), **94**: 76 (Fig 6), **150**: 68 (Fig 34)

Sedella

- 150: 68
 Illustration **150**: 68 (Fig 35)

Sedum

150: 68

[species unknown]

Illustration **99: cover**

S. acre **9: 12, 11: 8, 21: 11, 22: 6-7, 22: 10, 23: 5, 23: 8, 23: 12, 23: 14-15, 23: 23, 24: 23, 25: 23-24, 27: 9-11, 27: 22-24, 29: 13, 30: 4, 30: 6, 31: 21, 33: 21, 34: 6, 34: 14, 36: 8, 37: 5, 37: 6, 37: 19, 38: 5, 39: 3, 39: 5, 40: 18, 42: 53, 42: 56, 42: 71, 43: 24, 44: 28-33, 44: 39, 44: 43, 44: 45, 45: 72, 46: 88, 46: 99, 47: 4, 47: 15, 47: 22-23, 48: 32, 50: 80, 50: 85, 53: 47, 55: 15-24, 57: 56-60, 58: 100-101, 59: 15-22, 82: 98, 84: 30-31, 85: 61, 87: 21-22, 91: 11-12, 101: 67, 103: 16-17, 105: 64, 108: 26, 108: 32-33, 109: 64-65, 112: 32, 116: 36-39, 118: 85, 119: 12, 122: 96-97, 129: 58, 132: 39, 134: 83, 144: 18, 148: 8, 11, 12, 18, 149: 35, 39, 150: 52, 55, 152: 8**

Illustration **27: 23, 41: 25, 44: 25, 44: 52, 49: 62, (Postage Stamp) 92: 36 (Fig 17) 103: 17 (Fig 19), 105: 64 (Figs 8a & b), 108: 26 (Fig x), 109: cover, 109: 65 (Fig 14), 116: 38 (Figs 4 & 5), 122: 97 (Figs 19 & 20), 132: 37 (Fig 12), 136: 12 (Fig 10), 144: 18 (fig 14), 146: 60, 74, 148: 13 (Fig 18), 149: 33 (Fig 9), 150: 55 (Fig 9), 152: 12 (Fig 17)**

S. acre 'Aureum' **38: 11**

S. acre 'Krajinae' **37: 22**

S. acre 'Majus' (see *Sedum acre* var. *majus*) **31: 21**

S. acre 'Oktoberfest' **74: 80**

Illustration **74: 80 (Fig 1)**

S. acre subsp. *neglectum* **41: 30**

S. acre var. *almadi* **41: 43**

S. acre var. *macrophyllum* **41: 43**

S. acre var. *majus* (see *Sedum acre* 'Majus') **26: 18**

S. acre var. *minus* **42: 56**

S. actinocarpum **4: 4, 88: 30, 150: 76, 152: 31-32**

Illustration **88: cover, 150: 76 (Fig 45), 152: 31**

S. adolphi **8: 6, 25: 10, 29: 11, 29: 14, 30: 16, 18: 13, 21: 24, 31: 17, 32: 23, 37: 10, 38: 27, 46: 96, 95: 23-24**

Illustration **37: centrefold**

Illustration (comparison of leaves) **95: 23 (Fig 23)**

S. adolphii (see *Sedum adolphi*)

S. aetnense (see *Sedum tetramerum*) **15: 12, 37: 19, 44: 39, 45: 72, 52: 31, 55: 15-24, 72: 32-33, 92: 26, 107: 18, 108: 35-36, 112: 37, 112: 39, 127: 7, 144: 20**

Distribution in Greece **56: 49-50**

Distribution in Turkey **108: 31 (Fig 7), 108: 36 (Fig 15), 111: 18 (Fig 22)**

Illustration **55: 56, 56: 50, 72: 32 (Fig 6), 107: 18 (Fig 22), 108: 35 (Figs 13 & 14),**

112: 39 (Fig 15), 127: 9 (Fig 9)

S. aetnense subsp. *aranjuezii* **127: 7-10**

Illustration **127: 8 (Fig 7), 127: 9 (Fig 8)**

S. aetnense subsp. *tetramerum* **127: 8**

S. aetnense var. *aetnense* **41: 30**

Illustration **41: 30**

S. aizoon (see *Phedimus aizoon*) **22: 9, 22: 22, 23: 19, 25: 27, 31: 18, 36: 10, 38: 3, 38: 19, 42: 72**

Illustration **39: centerfold, 142: 71 (Figs 24 & 25)**

S. aizoon var. *angustifolium* **38: 10**

- S. alamosanum* **21**: 13
 Illustration **94**: 80 (Fig 14)
- S. albertii* **139**: 78, 87, 88
 Illustration **139**: (Front cover), 87 (Fig 13),
- S. albescens* (syn *Petrosedum albescens*) **50**: 93-94
- S. albomarginatum* **26**: 21, **40**: 2, **40**: 9-10, **89**: 57
 Illustration **40**: 2c, **89**: 55 (Fig 2), **89**: 56 (Figs 2 & 3)
- S. alboroseum* (see *Hylotelephium erythrostictum*) **21**: 23, **25**: 6
- S. alboroseum* 'Cream' **32**: 24
- S. album* (see also *S. affin. album*) **9**: 12, **16**: 16, **21**: 11, **21**: 19, **21**: 23, **22**: 8, **22**: 19, **22**: 21, **23**: 5, **23**: 8, **23**: 12, **23**: 15, **24**: 23, **26**: 21, **27**: 9-10, **27**: 15, **30**: 11, **30**: 13-15, **32**: 18, **32**: 21, **33**: 4, **34**: 6, **34**: 9, **36**: 7-8, **37**: 4-5, **38**: 5, **38**: 10, **39**: 3, **39**: 5, **40**: 18, **41**: 31, **41**: 48, **42**: 53, **42**: 59, **44**: 29-30, **44**: 33, **44**: 39, **44**: 43, **44**: 45, **45**: 70, **45**: 72, **46**: 87-89, **46**: 94, **46**: 99, **47**: 15, **47**: 22, **48**: 31, **50**: 76, **50**: 79, **50**: 84, **50**: 86, **52**: 38-40, **52**: 4, **55**: 15-24, **56**: 42, **57**: 56-60, **58**: 100-103, **59**: 15-22, **60**: 29-30, **74**: 88, **83**: 5, **84**: 31, **85**: 60, **86**: 77-78, **90**: 79, **90**: 79, **91**: 11-13, **92**: 25-26, **95**: 5, **96**: 32, **97**: 61-62, **100**: 49-50, **101**: 67, **105**: 61, **107**: 17, **108**: 28-30, **109**: 64-65, **111**: 17, **112**: 32, **112**: 35, **113**: 71, **118**: 103, **119**: 11-12, **120**: 47, **129**: 58, **129**: 65-66, **132**: 36, 39, 41, **134**: 83, 86, **135**: 115-116, **144**: 6-7, 20, 23, **146**: 60, **147**: 90, **148**: 11, 12, 18, 149: 32, 35, 36, **149**: 39, **150**: 55, **152**: 11
 Distribution map (Turkey) **111**: 18 (Fig 22)
 Illustration **46**: 94, **74**: 87 (Fig 9), **83**: cover, **85**: 62 (Fig 8), **95**: 8 (Fig 7), **96**: 32 (Fig 5), **97**: 62 (Fig 17), **99**: 8 (Figs 8 & 9), **105**: 61 (Fig 4), **106**: 98 (Fig 18), **108**: 29 (Fig 2), **129**: 18 (Fig 16), **134**: 86 (fig 3), **135**: 115 (Fig 11), **144**: 6 (Fig 2), 23 (Fig 18), **147**: 91 (Fig 14), **149**: 32 (Fig 6), **152**: 11 (Fig 15)
 Illustration (aerial roots) **118**: 103 (Fig 29)
 Illustration (leaf) **129**: 65 (Fig 24)
 Illustration (postage stamp) **99**: 9 (Fig 10)
- S. affin. album* **111**: 4
 Illustration **111**: 6 (Fig 3)
- S. album* 'Athoum' (see *Sedum album* subsp. *athoum*) **52**: 40, **154**: 95
 Illustration **52**: 40, **56**: 67, 154: 95 (Fig 16)
- S. album* 'Bella d'Inverno' **37**: 19, **45**: 70, **49**: 59-60, **60**: 31
 Illustration **49**: 60, **116**: 54 (Fig 33)
- S. album chloroticum* (see *Sedum album* var. *micranthum* var. *chloroticum*) **49**: 59
- S. album* 'Coral Carpet' **50**: 86, **105**: 65, **152**: 2, **154**: 87
 Illustration **152** cover
- S. album* 'Faro Form' **30**: 14, **38**: 11, **45**: 54
 Illustration **30**: 15, **110**: 96 (Fig 13)
- S. album* 'Hillebrandtii' **24**: 25
- S. album* 'Ibiza' **30**: 11, **30**: 13, **45**: 54, **46**: 87, **46**: 94, **50**: 84
 Illustration **30**: 12, **50**: 84
- S. album* 'Laconicum' **25**: 23, **25**: 25
- S. album* 'Mighty Macedonian' **109**: 73-75
 Illustration **109**: 73 (Fig 29), **109**: 74 (Fig 30), **109**: 75 (Fig 31)
- S. album* 'Monchique' **117**: 62, **117**: 77, **122**: 94-95
 Illustration **117**: 62 (Fig 5), **117**: 77 (Fig 22), **122**: 95 (Figs 15 & 16)
- S. album* 'Murale' (see *Sedum album* var. *murale*) **36**: 10
- S. album* subsp. *athoum* (see *Sedum album* 'Athoum') **27**: 10
- S. album* subsp. *clusianum* **25**: 25, **41**: 31, **41**: 35
 Illustration **41**: 31
- S. album* subsp. *macranthum* **22**: 21, **39**: 5
- S. album* subsp. *teretifolium* **50**: 76

S. album var. *micranthum* var. *chloroticum* (see *Sedum album chloroticum*) **30**: 14
S. album var. *murale* (see *Sedum album* 'Murale') **21**: 20
S. album var. *pallens* **74**: 88
S. album turgidum **100**: 49.
 Illustration **151**: 97 (Fig. 26)
S. alexanderi **59**: 22-23, **79**: 18-21
 Illustration **79**: 18 (Fig 20), **79**: 19 (Figs 21 & 22)
S. alfredii **4**: 4, **41**: 43, **124**: 46-47
 Illustration **124**: 46 (Fig 31)
S. 'Alice Evans' **38**: 27-28, **39**: 24, **140**: 11
 Illustration **38**: centrefold, **140**: 11 (fig 15)
S. allantoides **1**: 5, **2**: 4, **3**: 4, **4**: 12, **22**: 3, **38**: 6, **59**: 22-23, **79**: 18-21, **143**: 88
 Illustration **22**: 4, **79**: 18 (Fig 19), **79**: 19 (Figs 23 & 24)
S. allantoides 'Goldii' **1**: 5, **2**: 4, **3**: 4, **4**: 12, **22**: 3, **22**: 23, **24**: 4, **46**: 89, **59**: 22-23, **79**: 18-21, **143**: 88
 Illustration **22**: 4, **79**: 20 (Figs 25 & 26)
S. alpestre **21**: 11, **22**: 8, **23**: 19, **25**: 24, **27**: 16, **32**: 30, **33**: 4, **33**: 9, **39**: 5, **39**: 19, **40**: 13, **40**: 19, **42**: 52-53, **44**: 39, **45**: 72, **57**: 58, **58**: 101, **74**: 92-94, **95**: 6, **105**: 63-64, **120**: 49
 Illustration **32**: centrefold, **74**: 93 (Fig 9), **95**: 7 (Fig 6), **105**: 63 (Fig 7), **120**: 49 (Fig 31)
S. alsinefolium (see *Sedum fragans*) **21**: 20, **21**: 11, **21**: 24, **23**: 2, **23**: 21, **23**: 23, **24**: 23, **86**: 79-81, **133**: 58-63
 Illustration **23**: 22, **133**: 59 (Fig 6), 60 (Fig 8), 61 (Fig 9 & 10), 63 (Fig 10)
S. altissimum **26**: 12, **35**: 20, **50**: 93
S. amabile **11**: 22
S. amecamecanum **38**: 6
S. ambiflorum **41**: 43
S. amplexicaule (see *Petrosedum amplexicaule*) **26**: 12, **27**: 9-10, **28**: 11, **28**: 16, **28**: 21-22, **30**: 7, **36**: 7-8, **39**: 4-5, **39**: 19, **40**: 13, **40**: 18, **44**: 40, **45**: 72, **50**: 81, **50**: 93
 Cultivation **17**: 16
S. amplexicaule subsp. *amplexicaule* (see *Petrosedum amplexicaule* subsp. *amplexicaule*) **28**: 17
S. amplexicaule subsp. *ibericum* (see *Petrosedum amplexicaule* subsp. *ibericum*) **30**: 5-8, **31**: 21
S. amplexicaule subsp. *tenuifolium* **21**: 11, **21**: 23, **23**: 5, **24**: 6-7, **25**: 6, **25**: 28, **27**: 17, **28**: 6, **37**: 19, **38**: 10, **41**: 31, **50**: 93-94, **52**: 38-39, **55**: 15-24, **58**: 102, **59**: 15-22, **73**: 53
 Illustration **41**: 32, **56**: 65
S. anacampseros (see *Hylotelephium anacampseros*) **21**: 11, **21**: 23, **23**: 5, **24**: 6-7, **25**: 6, **25**: 28, **27**: 17, **28**: 6, **37**: 5, **38**: 10
S. andegavense **15**: 18-21, **16**: 15, **22**: 20, **32**: 18, **34**: 8-9, **37**: 22, **43**: 14, **44**: 40, **45**: 72, **48**: 31, **50**: 81, **58**: 103, **59**: 15-22, **74**: 92, **113**: 71, **122**: 94, **127**: 7, **128**: 28-33
 Illustration **15**: 21, **22**: 20, **99**: 17 (Figs 20a & 20b), **128**: 28 (Fig 1), **128**: 30 (Fig 4), **128**: 31 (Fig 6), **128**: 33 (Fig 10)
 Illustration (habitat) **128**: 29 (Fig 2), **145**: 47 (Fig 19)
 Illustration (flower variation) **128**: 29 (Fig 3),
S. andinum **73**: 67, **76**: 40-42
 Illustration **76**: 41 (Fig 14)
S. anglicum **16**: 14, **17**: 11, **21**: 20, **21**: 23, **22**: 22, **23**: 5, **26**: 16, **30**: 15, **38**: 5, **39**: 19, **41**: 44, **42**: 71, **44**: 39, **44**: 43-44, **45**: 72, **47**: 4-5, **47**: 15, **49**: 69, **52**: 46, **59**: 15-22, **113**: 71, **115**: 30-31, **116**: 50-51, **120**: 36-37, **133**: 58, **136**: 24-25, **146**: 54, **149**: 26, **150**: 51, **152**: 2,
 Illustration **5**: 7, **85**: 68 (Fig 12e), **115**: 30-31 (Figs 41 & 42), **120**: 36 (Fig 17), **133**: 58 (Fig 5), **136**: 25 (Figs 26-28), **146**: cover, 55 (fig b), 65 (Fig 13), 66 (Fig 14), **149**: cover,

S. anglicum subsp. *arenarium* **34**: 6, **34**: 9, **38**: 21
S. anglicum subsp. *pyrenaicum* **38**: 11, **44**: 39, **135**: 126-127
S. anglicum var. *minus* **23**: 5
S. angustifolium **49**: 57-58
S. annuum **21**: 11, **22**: 9, **23**: 19, **24**: 23, **24**: 24, **26**: 8, **27**: 10, **27**: 16, **27**: 20, **29**: 23, **32**: 20, **33**: 9, **34**: 23, **36**: 6, **37**: 5, **39**: 5, **40**: 18, **42**: 52-53, **42**: 56, **42**: 71, **43**: 8, **44**: 39, **45**: 72, **55**: 15-24, **56**: 43-45, **58**: 100, **59**: 15-22, **74**: 92, 79: 4, **83**: 7, **84**: 28, **85**: 61, **91**: 13, **95**: 7, **102**: 100-103, **115**: 17, **118**: 104, **119**: 11-12, **122**: 86, **129**: 58, 134: 89, **144**: 21, **146**: 60, **150**: 52, **152**: 11,
 Illustration **55**: 56, **55**: 59, **85**: 63 (Fig 10c), **102**: 102 (Fig 13), **105**: cover, **118**: 107 (Fig 35), **120**: 47 (Fig 29), **129**: 59 (Figs 17 & 18), **138**: 75 (Fig 24), **144**: 22
 Illustration (Detail) **72**: 30 (Fig 4), **102**: 103 (Fig 14), **144**: 21 (Fig 16), **152**: 12 (Fig 16)
 Illustration (Habitat) **72**: 30 (Fig 3)
S. anomalum **29**: 14
S. anomiosepalum **29**: 3
S. anopetalum **22**: 17, **23**: 5, **23**: 8, **24**: 23, **26**: 12, **28**: 12, **41**: 43
S. anopetalum subsp. *montanum* **26**: 12
S. aoikon **34**: 15, **35**: 22
S. apoleipon **38**: 18, **40**: 18, **148**: 7-8, 18, **149**: 35,36, **150**: 52, **152**: 9-11
 Illustration **148**: 9 (Fig 9), 10 (Fig 10 & 11), 19 (Fig 26), **149**: 35 (Fig 12), **152**: 14 (Fig 20)
S. arboreum **29**: 13
S. arenarium **58**: 103, **59**: 15-22, **113**: 71-72, **128**: 28-33
 Illustration **113**: 72 (Fig 19), **128**: 32 (Figs 7 & 8), **128**: 33 (Fig 9)
S. arcticum **17**: 8-11
 Illustration **17**: 9
S. arizonae **41**: 43
S. atlanticum **38**: 16
S. atratum **21**: 11, **22**: 8, **37**: 5, **38**: 17, **40**: 18, **41**: 44, **42**: 52, **44**: 30, **44**: 40, **45**: 72, **47**: 15, **48**: 31, **48**: 36, **57**: 58, **58**: 100, **59**: 15-22, **91**: 14, **95**: 6-7, **109**: 64-67, **120**: 48-49, **122**: 87, **129**: 61, **149**: 35
 Illustration **48**: 36c, **91**: 14 (Fig 11), **95**: 7 (Fig 5), **109**: 66 (Figs 17, 18a & 18b), **129**: 61 (Figs 21a, 21b & 22)
S. atratum subsp. *carinthiacum* **37**: 6-7
S. atratum var. *atratum* **37**: 8, **42**: 53
S. atropurpureum **34**: 24
S. australe **23**: 7, **41**: 43, **97**: 48-52
S. aytacianum (see *Sedum hispanicum*) **33**: 15, **48**: 46, **71**: 5-6, **72**: 45, **79**: 4, **84**: 40, **101**: 78-80
 Illustration **33**: centrefold, **71**: 5 (Fig 2), **84**: 40 (Fig 10), **101**: 78 (Fig 22), **101**: 79 (Figs 23-24)
S. balfourii **31**: 17
S. batallae **8**: 18, **24**: 10, **25**: 4, **139**: 80-82,
 Illustration **8**: 18, **139**: 80-82 (Figs 1-3)
S. beauverdii
 Illustration (line drawing) **125**: 66 (Fig 26)
S. beauverdii subsp. *beauverdii* **125**: 68
S. beauverdii subsp. *vietnamense* **125**: 65-68
 Illustration **125**: 65 (Fig 25), **125**: 67 (Figs 27 & 28), **125**: 68 (Fig 30)
S. berillonanum **76**: 39
 Illustration **155**: 114 (Fig 5), 115 (Figs 6a & 6b), 116 (Fig 7)

S. beyrichianum **5**: 14
S. bithynicum **27**: 10, **34**: 8, **44**: 33, **59**: 10, **96**: 28
 Illustration **96**: 29 (Fig 2)
S. bithynicum subsp. *bithynicum* **71**: 6
S. bithynicum subsp. *pallidum* **71**: 6-10, **79**: 4
S. boehmeri **34**: 12
S. boloniense **26**: 13, **27**: 22
S. bonsaovae **34**: 12, **38**: 11, **38**: 18
S. booleanum **42**: 66, **43**: 12, **44**: 48
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S. borissovae
 x *Sedum luteolum* **22**: 17
S. borschii **24**: 11-13, **26**: 6, **36**: 18, **55**: 6
 Illustration **76**: 43 (Fig 15 – inset)
S. borschii 'Anna Schallock' **38**: 18, **81**: 67
S. botteri **41**: 43
S. bourgaei **10**: 3, **24**: 3, **29**: 12, **37**: 13, **38**: 6, **46**: 107, **106**: 103, **116**: 46-48
 Illustration **24**: 1, **106**: 103 (Fig 27), **116**: 46 (Fig 20), **116**: 48 (Figs 22 & 23)
 Illustration (Botanical plate) **116**: 47 (Fig 21)
S. bracteatum **20**: 4-5
S. brevifolium **16**: 15, **21**: 23, **22**: 21, **23**: 5, **26**: 16, **30**: 8, **31**: 21, **32**: 18, **32**: 20, **33**: 4, **33**: 8, **34**: 8, **34**: 11, **39**: 5, **43**: 13, **44**: 30, **44**: 40, **45**: 72, **47**: 15, **47**: 22, **48**: 32, **48**: 46, **50**: 81, **58**: 101, **59**: 15-22, **94**: 94, **97**: 64, **101**: 67, **113**: 71-72, **122**: 87, **127**: 8, **147**: 90, **150**: 52
 Cultivation **18**: 19
 Illustration **97**: 64 (Fig 26), **113**: 72 (Figs 20 & 21), **117**: 78 (Fig 23), **147**: 90 (Figs 11-13)
 Illustration (flower) **51**: 29
S. brevifolium 'Quiquefarium' **23**: 5, **38**: 11
S. 'Bridgie' Description **91**: 5-7, **140**: 11
 Illustration **91**: 6 (Figs 3 & 4), **140**: 12 (Fig 16),
S. brissemoretii **24**: 9-10, **44**: 36, **45**: 60-67, **47**: 4-6, **47**: 8-10, **47**: 12, **49**: 67, **49**: 70, **49**: 72
 Illustration **45**: 65c, **47**: 12c
S. bulbiferum **41**: 43, **142**: 70, **152**: 32-33
 Illustration **152**: 33 (Fig 11)
S. bupleuroides (see *Rhodiola bupleuroides*) **26**: 4, **26**: 16
S. burrito **6**: 6, **24**: 4-5, **26**: 18, **42**: 57, **46**: 96, **94**: 73
 Illustration **6**: 7, **94**: 94: 73 (Fig 1), **94**: 74 (Fig 3)
S. caducum **11**: 20-21 **38**: 18, **43**: 20, **140**: 4-5
 Illustration **11**: 21, **140**: 4-5 (Figs 1-3),
S. caeruleum **13**: 22, **22**: 19, **22**: 21, **26**: 21-22, **32**: 17-18, **33**: 4, **35**: 9, **36**: 7-8, **37**: 19, **39**: 7, **41**: 32, **42**: 53, **47**: 22, **50**: 76, **50**: 78-79, **50**: 84, **78**: 81-84, **90**: 92, **106**: 97, **110**: 89-93, **111**: 5, **112**: 33, **134**: 87,
 Illustration **33**: 4, **50**: 84c, **75**: 14 (Fig 15), **78**: 82 (Fig 3), **106**: 97 (Fig 17), **111**: 5 (Fig 2), **111**: 6 (Fig 4)
S. caespitosum **15**: 18-21, **22**: 19-21, **24**: 15, **24**: 23, **27**: 9, **27**: 16, **30**: 5-7, **34**: 8-9, **36**: 7, **37**: 19, **37**: 22, **40**: 18, **41**: 33, **42**: 52-53, **44**: 40, **45**: 72, **48**: 31, **50**: 81, **55**: 15-24, **56**: 47, **58**: 103, **59**: 15-22, **73**: 53, **74**: 90-91, **92**: 26, **99**: 12, **111**: 10, **113**: 72, **118**: 104, **127**: 7, **132**: 36, **148**: 12ff, **149**: 36, **152**: 13
 Distribution (Malta) **110**: 92 (Fig 8)

- Illustration **15**: 19, **22**: 20, **41**: 33, **52**: 46, **55**: 59, **74**: 91, **107**: 16-18, **108**: 36 (Fig 16b), **110**: 90 (Fig 6), **110**: 91 (Fig 7), **110**: 92 (Figs 9 & 10), **111**: 11 (Fig 10), **118**: 107 (Fig 35), **148**: 13 (Fig 16), **155**: 128 (Fig 23)
- S. calcicola* **43**: 20
- S. candollei* **44**: 40, **45**: 72
- S. 'Canny Hinny'* **94**: 73-75
Illustration **94**: 73 (Fig 2), 74 (Figs 3-5)
- S. 'Cape Blanco'* (see *Sedum spathulifolium* 'Cape Blanco') **81**: 67
Illustration **44**: 38
- S. caricum* **15**: 13, **27**: 11, **40**: 18, **41**: 48
Illustration **27**: 11
- S. caroli-henrici* **15**: 12
- S. carpaticum* **22**: 10, **25**: 6
- S. catorce* **42**: 62, **42**: 64
- S. caucasicum* (see *Hylotelephium caucasicum*) **25**: 6, **27**: 8, **30**: 20, **33**: 19, **38**: 10, **38**: 18, **46**: 96, **46**: 101-102, **46**: 104-106, **48**: 36, **50**: 95
Illustration **45**: 106
- S. cauticola* (see *Hylotelephium cauticola*) **28**: 6-7, **34**: 6, **39**: 3, **44**: 33, **45**: 66, **50**: 85
x *Sedum tatarinowii* **45**: 57
- S. cauticola* 'Lidakense' **38**: 10
- S. cauticola* 'Robustum' **28**: 6
- S. ccallu* **143**: 91-95, **155**: 123-125
Illustration **155**: 123 (Fig 17)
- S. cepaea* **9**: 13, **22**: 21, **25**: 24, **26**: 21, **27**: 20-21, **32**: 11, **32**: 19, **37**: 14, **37**: 19, **38**: 9, **39**: 5, **39**: 8, **40**: 18, **41**: 33, **42**: 52-53, **45**: 72, **56**: 46, **59**: 15-22, **76**: 34-36, **81**: 64, **85**: 61, **86**: 77-78, **92**: 26, **97**: 63-64, **101**: 67-68, **115**: 21-24, **118**: 104-105, **132**: 36, **134**: 90, **141**: 34-35, **144**: 23, **146**: 60, **148**: 13, 149: 36, **154**: 92, 94
Distribution (Turkey) **115**: 24 (Fig 32)
Illustration **41**: 33, **56**: 64, **76**: 34 (Fig 8), **76**: 35 (Fig 9), **76**: 36 (Fig 10), **97**: 64 (Figs 24 & 25), **115**: 22-24 (Figs 29a-c & 30), **118**: 104 (Fig 32), **118**: 105 (Fig 33), **130**: 85 (Fig 7), **141**: 34-35 (Figs 10-12), **144**: 23 (Figs 19 & 20), **148**: 16 (Fig 23), **154**: 93 (Fig 12)
- S. chauveaudii* **41**: 43
- S. 'China Doll'* **79**: 9-12, **80**: 33
Illustration **79**: 11 (Fig 9)
- S. chontalense* (see *S. versadense*)
- S. chrysastrum* **41**: 43
- S. chrysanthemifolia* **33**: 17-19
Illustration **33**: centrefold & 19
- S. chrysanthum* **41**: 43
- S. chrysicaulum* (see *S. chrysocaulum*) **42**: 61-62, **43**: 20, **124**: 42-46
- S. chrysocaulum* (see *S. chrysicaulum*) **121**: 70, **124**: 42-46
Illustration **124**: 43 (Fig 27), **124**: 44 (Fig 28), **124**: 45 (Fig 30)
- S. affin chrysocaulum* **124**: 46
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- S. churchillianum* **41**: 43
- S. cilicicum* **15**: 12
- S. clausenii* **48**: 48, **54**: 80
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- S. clavatum* **31**: 11, **38**: 27-28, **39**: 24, **79**: 12, **94**: 73-74, **148**: 22
Illustration **31**: 13, **94**: 73 (Fig 2), **94**: 74 (Fig 3), **154**: 90 (Fig 9)
- S. cockerelli* **21**: 13, **26**: 14, **28**: 30, **29**: 2-5, **29**: 9, **55**: 6, **113**: 62-68

- Illustration **29**: 1, **29**: 5-6, **113**: 64 (Figs 7-9), **113**: 65 (Figs 10 & 11)
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S. coeruleum 'Tavormina's Purple' **45**: 70
S. commixtum **23**: 4, **46**: 96, **54**: 57
 Cultivation **19**: 3
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S. compactum **42**: 57, **109**: 60-63, **154**: 86-87
 Illustration **103**: 27 (Fig 35), **109**: 62 (Fig 10), **109**: 63 (Fig 11), **125**: cover, **154**: 86 (Fig 3), 87 (Fig 4)
S. compressum **26**: 14, **31**: 22, **32**: 21, **34**: 21, **103**: 8
S. confertiflorum (see *Sedum sorgerae*) **31**: 5, **40**: 18, **41**: 48, **72**: 33-34, **79**: 5-7, **105**: 77-79, **112**: 35, **112**: 38-39, **144**: 20, **146**: 60
 Distribution Map (Turkey) **79**: 7 (Fig 6), **111**: 18 (Fig 22)
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 Illustration (inflorescence) **105**: 78 (Fig 22), **112**: 38 (Figs 13 & 14)
S. confusum **16**: 4, **28**: 29-30, **29**: 13-15, **34**: 15, **35**: 22, **38**: 6, **50**: 85, **103**: 2, **137**: 30,
 Illustration **94**: 77 (Fig 9), **137**: Cover, 30 (Fig a), **155**: 130 (Fig 26)
S. congdonii **46**: 107
S. conzattii **126**: 88
S. copalense **103**: 9-11
 Description **103**: 9-11
 Illustration **103**: 10 (Figs 8 & 9), **103**: 111 (Fig 10)
S. coreanum **131**: 17-19
S. coreense (see *Sedum polytrichoides*) **96**: 38, **131**: 17
S. cormiferum **41**: 43
S. corsicum **22**: 21
S. corynephyllum **12**: 10-11, **26**: 14, **41**: 43, **126**: 92-95
 Illustration **12**: 11, **126**: 92 (Fig 11), **126**: 93 (Fig 12), **126**: 95 (Figs 14 & 15)
S. craigii **46**: 96
S. crassipes **28**: 23, **37**: 21
S. cremnophila **18**: 10, **24**: 8, **31**: 11, **32**: 24, **31**: 6
 Illustration **31**: 13
S. cretense **37**: 14
S. creticum **27**: 9-11, **27**: 14-15, **27**: 20-21, **37**: 14-15, **36**: 8, **40**: 18, **52**: 32-34, **52**: 38-45, **56**: 52, **74**: 82, **81**: 64-66, **115**: 21
 Distribution map: Crete **81**: 66 (Fig 7)
 Illustration **52**: 34-35
S. creticum var. *creticum* **27**: 15, **37**: 15, **81**: 62-63:
 Illustration **37**: centrefold, **81**: 63 (Fig 5)
S. creticum var. *hierapetrae* **37**: 14
S. creticum var. *monocarpicum* **27**: 11, **27**: 13, **27**: 15, **27**: 21, **32**: 11, **37**: 15, **52**: 42-45
 Distribution map: Crete **81**: 66 (Fig 7)
 Illustration **27**: 1, **27**: 14, **37**: centrefold, **52**: 36, **81**: 65 (Fig 6)
S. cymatopetalum **73**: 68
S. 'Crocodile' **38**: 6, **45**: 96
S. cupressoides **29**: 17, **34**: 15, **41**: 43, **133**: 70-73
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S. cuspidatum **32**: 24, **38**: 28, **36**: 24
S. cyaneum **23**: 6-7, **25**: 7, **25**: 12-13, **31**: 15, **47**: 16-18, **47**: 21, **50**: 96

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- S. cymatophyllum* **43**: 3, **119**: 9-10
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- S. cyprium* **27**: 14-15, **27**: 20-21, **32**: 11, **39**: 8-13, **39**: 16, **111**: 13-15, **151**: 93-95
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- S. cyrenaicum* **56**: 62
- S. dasyphyllum* **21**: 11, **21**: 19-23, **22**: 20-21, **24**: 23, **25**: 24, **26**: 21-22, **30**: 4-9, **31**: 21, **32**: 18-20, **33**: 4, **35**: 5, **35**: 11, **36**: 6-8, **37**: 5, **37**: 24, **38**: 9-111, **39**: 5, **40**: 18, **42**: 10254, **42**: 56, **44**: 39, **44**: 34-44, **45**: 72, **46**: 88, **46**: 99, **47**: 15, 48: 32, **50**: 76, **50**: 78, **50**: 80, **50**: 86, **54**: 58-63, **56**: 42, **57**: 56-60, **58**: 100-102, **59**: 15-22, **78**: 83, **84**: 31, **90**: 81, **92**: 25, **93**: 50, **95**: 5-6, **96**: 32, **97**: 61, **98**: 87, **99**: 9-12, **101**: 67, **106**: 83, **106**: 97-99, **107**: 11-13, **107**: 18, **108**: 26, **108**: 29, **109**: 75, **112**: 32, **116**: 36-37, **122**: 85, **123**: 8-17, **130**: 85, **132**: 41, **134**: 87, **136**: 2, **145**: 29-32, **148**: 11-14, **149**: 26, 36, 37, **152**: 11, **154**: 95,
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Illustration **30**: 9, **54**: 62-64, **78**: 83 (Fig 4), **92**: 25 (Fig 4), **93**: cover, **97**: 61 (Fig 16),
98: 87 (Fig 23), **99**: 12 (Fig 14), **100**: 50, **100**: 52, **106**: 99 (Fig 20), **107**: 12 (Figs 13
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29 (Fig 2), 30 (Fig 3), 31 (fig 5 & 6), 32 (fig 7), **148**: 13 (Fig 19), **149**: 38 (Figs
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- S. dasyphyllum* 'Luigi Piradello' **37**: 19, **45**: 70
- S. dasyphyllum* fm. *donatianum* **54**: 59-60
- S. dasyphyllum* fm. *glaucum* **54**: 60-63
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- S. dasyphyllum* subsp. *dasyphyllum* **107**: 11-13
- S. dasyphyllum* subsp. *glanduliferum* **22**: 21, **25**: 24, **32**: 2, **36**: 7, **37**: 4, **37**: 19, **44**: 39, **46**:
88, **50**: 78, **54**: 61-63, **99**: 10, **99**: 12, **107**: 11-13
Illustration **54**: 62, **99**: 10 (Figs 11 & 11a), **145**: 30 (fig 4)
- S. dasyphyllum* subsp. *glanduliferum* var. *elisae* **54**: 61-62
- S. dasyphyllum* subsp. *granatense* **44**: 39
- S. dasyphyllum* subsp. *oblongifolium* **114**: 114-116
Illustration **114**: 115 (Fig 28)
- S. dasyphyllum* subsp. *suendermanni* **44**: 39
- S. dasyphyllum* var. *adenocladum* **37**: 5, **42**: 53, **54**: 60-62, **107**: 11-13
Illustration **54**: 62
- S. dasyphyllum* var. *burnatii* **32**: 18-21, **37**: 19, **54**: 60
Illustration **54**: 62
- S. dasyphyllum* var. *dasyphyllum* **44**: 39, **46**: 88
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- S. dasyphyllum* var. *macrophyllum* **22**: 21, **50**: 76, **90**: 81, **90**: 81, **107**: 11-13
- S. dasyphyllum* var. *mesatlanticum* **38**: 18, **107**: 11-13, **145**: 32
Illustration **145**: 32 (fig 8)
- S. debile* **24**: 11-13, **25**: 27-28, **38**: 11, **55**: 6, **58**: 96-97
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- S. decumbens* **16**: 3-4, **21**: 23, **28**: 19, **28**: 30, **34**: 15, **38**: 6, **38**: 9, **42**: 59, **50**: 95, **54**: 80
Illustration **16**: 1, **16**: 3
- S. delicum* **27**: 10-11, **27**: 16, **41**: 48

- S. dendroideum* **23**: 13-14, **29**: 13, **16**: 5, **34**: 15, **35**: 21-22, **38**: 6, **38**: 10
Illustration **16**: 5, **94**: 78 (Fig 11), **94**: 79 (Fig 12)
- S. dendroideum* var. *monticola* **34**: 15
- S. diagremontianum* **49**: 60
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- S. diffusum* **7**: 3-4, **25**: 3, **26**: 16, **50**: 85
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- S. diminutum* **42**: 61-62
- S. dimorphophyllum* **98**: 74
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- S. divergens* **21**: 23, **29**: 14, **38**: 10-11, **39**: 19, **44**: 38, **55**: 6
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- S. divergens* 'Giant Form' **46**: 97, **50**: 86
- S. diversifolium* **29**: 14-18
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- S. drymarioides* **87**: 2, **152**: 34-35
Illustration **87**: cover, 152: 34 (Fig 12)
- S. duckbongii* **131**: 19
- S.* 'Dudley Field' **34**: 3, **45**: 57, **45**: 66
- S. dulcinomen* **42**: 61-62
- S. dumulosum* (see *Rhodiola dumolosa*) **28**: 23-24, **38**: 11
- S. durisii* **31**: 17
- S. ebracteatum* **22**: 14, **25**: 8, **34**: 13, **50**: 88-89, **50**: 92, **97**: 65-66, **98**: 81, **122**: 82
Distribution **97**: 66 (Fig 28)
Illustration **72**: 41 (Fig 11), **122**: 81 (Fig 2)
- S. edwardsii* **43**: 20, **81**: 58, **81**: 60-61:
Illustration **81**: cover, **81**: 60 (Fig 1), **81**: 61 (Fig 2)
- S. ekimianum* **18**: 9
Description **19**: 14-15
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- S. elatinoides* **21**: 24, **23**: 16, **23**: 18
- S. elegans* **28**: 16
- S. ellacombianum* (see *Phedimus ellacombianum*) **21**: 3, **31**: 19, **37**: 13, **38**: 10, **39**: 19, **50**: 85, **121**: 70
- S. emarginatum* **154**: 99
Illustration **154**: 101 (Figs 21 & 22)
- S.* 'Erd Blut' **45**: 57, **45**: 66
- S. erectum* **35**: 6, **44**: 28-32
- S. eriocarpum* **41**: 48, **56**: 43, **59**: 7-8, **73**: 54-55, **76**: 31-32, **100**: 49-50, **115**: 13-16, **148**: 8, 149: 36
Distribution (Greece) **115**: 16 (Fig 23)
Illustration **148**: 8 (Fig 8)
- S. eriocarpum* subsp. *apertiflorum* **41**: 48, **56**: 45, **76**: 32
Distribution (Greece) **115**: 16 (Fig 23)
- S. eriocarpum* subsp. *caricum* **41**: 48, **60**: 60-61
Distribution (Turkey) **111**: 18 (Fig 22)
Illustration **60**: 99-100, **112**: 38 (Figs 11 & 12)
- S. eriocarpum* subsp. *cycladicum* **128**: 34
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- S. eriocarpum* subsp. *delicum* **41**: 48
- S. eriocarpum* subsp. *epiroticum* **41**: 48, **49**: 60, **132**: 33, 34-35, **137**: 41-42, **154**: 96
Distribution (Greece) **115**: 16 (Fig 23), (Kefallonia) **132**: 34 (Fig 4),

Illustration **49**: 60c, **110**: cover, **132**: 35 (Fig 5), **137**: 42 (Fig 18), **154**: 96 (fig 7)

S. eriocarpum subsp. *eriocarpum*
 Distribution (Greece) **115**: 16 (Fig 23), **131**: 11-15 (Figs 13, 14, 15, 17 & 18)

S. eriocarpum subsp. *orientale* **41**: 48, **107**: 18, **107**: 21, **108**: 29
 Distribution (Greece) **115**: 16 (Fig 23)
 Distribution (Turkey) **108**: 32 (Fig 9)
 Illustration **100**: 51 (Fig 17), **103**: 3, **107**: 22 (Fig 33), **108**: 30 (Fig 5)

S. eriocarpum subsp. *porphyreum* **41**: 48, **111**: 10
 Illustration **111**: 11 (Fig 10), **115**: 15 (Figs 20-22)

S. eriocarpum subsp. *spathulifolium* **41**: 48, **74**: 83
 Distribution (Greece) **115**: 16 (Fig 23)
 Illustration **74**: 83 (Fig 3), **115**: 14 (Fig 19)

S. erythrospermum **152**: 35-37
 Illustration **152**: 36 (Fig 13)

S. erythrostictum (see *Hylotelephium erythrostictum*) **34**: 13, **35**: 5, **36**: 6
S. erythrostictum 'Medio-variegatum' (see *Hylotelephium erythrostictum* var. *medio-variegatum*) **36**: 6

S. euxinum **15**: 14
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S. ewersii (see *Hylotelephium ewersii*) **31**: 21, **37**: 20, **38**: 10
S. ewersii var. *homophyllum* (see *Hylotelephium ewersii homophyllum*) **25**: 7, **25**: 12-13, **37**: 20

S. fabaria (see *Sedum telephium* subsp. *fabaria* and *Hylotelephium* subsp. *fabaria*) **2**: 3, **22**: 6, **23**: 8, **23**: 14
 Illustration **2**: 1, **11**: 7

S. farinosum **41**: 27, **44**: 36, **47**: 3-5, **49**: 69, **120**: 38-39
 Illustration **47**: 12c, **47**: 37c, **120**: 38 (Fig 20)
 Illustration (inflorescence) **120**: 39 (Fig 21)

S. farronianum **25**: 2, **33**: 19

S. fastigiatum (see *Rhodiola fastigata*) **25**: 5, **34**: 11, **45**: 56

S. flexuosum **25**: 23

S. formosanum **29**: 13, **152**: 37-38
 Illustration **89**: cover, **117**: 66 (Fig 11), **152**: 37 (Fig 14)

S. forrestii **31**: 17

S. forsterianum **28**: 23
S. forsterianum (see *Petrosedum forsterianum*) **9**: 13, **26**: 12, **28**: 11, **28**: 15, **28**: 18, **28**: 20-21, **28**: 23, **30**: 5, **30**: 7, **34**: 9, **38**: 10, **39**: 5, **39**: 19, **42**: 59, **44**: 30, **44**: 40, **44**: 43, **44**: 45, **45**: 72, **47**: 15, **58**: 103, **59**: 15-22
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S. fragans **21**: 10, **23**: 2, **23**: 21, **23**: 23, **24**: 23, **86**: 79-81, **101**: 68-69, **133**: 59-63
 Illustration **23**: 22, **86**: 79 (Figs 3a & 3b), 80-81 (Figs 4-7), **101**: 68-69 (Figs 9-11), **115**: 25 (Fig 35), **133**: 59 (Fig 7), 63 (Figs 10-12)

S. franchetii **31**: 17

S. 'Frosty Morn' (see *Hylotelephium erythrostictum* 'Frosty Morn') **37**: 18

S. frutescens **38**: 5

S. 'Fuldaglut' **45**: 57

S. furfuraceum **26**: 24, **27**: 3-5, **38**: 6, **42**: 59, **53**: 53, **79**: 12, **81**: 67, **121**: 63-66
 Illustration **121**: 64 (Fig 8), **121**: 65 (Fig 9 & 10), **121**: 66 (Fig 11)
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S. fuscum **115**: 9-11
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S. fusiforme **44**: 36, **45**: 60-64, **47**: 4-7, **47**: 8-10, **47**: 12, **49**: 67, **49**: 70-71, **145**: 26, 34-38

- Illustration **47**: 12c, **145** (cover), 35 (figs 12-14), 36 (fig 15), 37 (fig 16),
S. gagei **77**: 63
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S. gattefossei **35**: 9
S. glabrum **25**: 8, **43**: 20, **50**: 88-89, **50**: 92, **97**: 66-67, **98**: 81
 Distribution **97**: 66 (Fig 27)
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S. glandulosum **21**: 6
S. glomerifolium **135**: 116-120, **136**: 16-19
 Illustration **135**: 116 (Fig 12), 117 (Figs 13 & 14), 118 (Fig. 15), 119 (Fig 16 & 17),
 120 (Fig 18), **136**: 17 (Fig 15), 18 (Fig 16), 19 (Fig 17 & 18)
S. glaucophyllum (see *Sedum nevii*) **21**: 19, **23**: 6, **26**: 16, **31**: 20, **38**: 10, **41**: 27, **42**: 69,
55: 6, **143**: 85-87
 Illustration **143**: 86 (Fig 25), 87 (Fig 26)
S. 'Golden Glow' (see *Sedum adolphii*)
S. 'Goldii' (see *Gratopetalum goldii*)
 Illustration **3**: 1
S. goldmanii **46**: 107, **117**: 72-73, 150: 64
 Illustration **117**: 73 (Figs 18 & 19), **150**: 64 (Fig 21)
S. gracile **21**: 23, **26**: 9, **29**: 21, **30**: 20, **31**: 23, **41**: 43, **59**: 9-10, **79**: 4
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S. granatense **30**: 7-8
S. grandepetalum **48**: 48
S. grandiflorum **25**: 6
S. 'Green China' **134**: 104
S. 'Green Rose' **45**: 96
S. greggii **22**: 15, **29**: 17-18, **48**: 48
 Illustration **155**: 131 (Fig 28)
S. greggii subsp. *angustifolium* **22**: 15
S. griffithsii **22**: 23, **28**: 30, **29**: 2-6
S. grisebachii **15**: 15, **25**: 23, **25**: 25, **36**: 6, **40**: 18, **58**: 102, **59**: 15-22, **84**: 28-31,
117: 67-71
 Illustration **84**: 30 (Fig 2), **117**: 68 (Figs 12 & 13)
S. grisebachii var. *grisebachii* **104**: 38-41, **117**: 67-71
 Illustration **104**: 38 (Figs 10, 11 & 12), **104**: 41 (Fig 16)
S. grisebachii var. *horakii* **104**: 38-41, **117**: 67-71
 Illustration **104**: 39 (Fig 13), **104**: 40 (Fig 14), **117**: 69 (Fig 14)
S. griseum **10**: 3, **24**: 3, **38**: 6, **42**: 57, **106**: 103, **149**: 28-31
 Illustration **149**: 30 (Fig 4), 31 (Fig 5)
S. aff griseum **149**: 28-31
 Illustration **149**: 28 (Figs 1 & 2), 29 (fig 3)
S. guadalajaranum **24**: 3, **38**: 6, **46**: 96, **106**: 103
 Description **11**: 3-4
 Illustration **11**: 1, **11**: 4
S. guatemalense **29**: 14
S. guettardii **41**: 44
S. gypsicola / *gypsicolum* **21**: 23, **23**: 6, **26**: 21, **29**: 15, **30**: 4-5, **30**: 8, **30**: 13, **37**: 19, **38**:
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78: 83, **79**: 12-13, **90**: 81, **123**: 16, **129**: 65-66, **149**: 37, 39
 Illustration **26**: 21, **41**: 35, **46**: 94c, **75**: 23 (Fig 27), **83** (Fig 5), **90**: 80 (Figs 5 & 6),
123: 16 (Figs 22 & 23), **129**: 65 (Fig 25), **133**: 64-65

- Illustration (leaf) **129**: 66 (Figs 26 & 27), **133**: 64 (Figs 13a & b)
- S. gypsicola* subsp. *trinacriae* **125**: 70-72
 Illustration **125**: 70 (Fig 33), **125**: 71 (Figs 34 & 35)
- S. gypsophila* / *gypsophilum* **43**: 20-21, **61**: 60, 64: 48, **91**: 19
 Illustration **61** (Figs 114 & 115), **64** (outer colour centrefold)
- S. hakonense* **21**: 5, **41**: 43
- S. hakonense* 'Chocolate Ball' **96**: 36
- S. havardii* **41**: 43
- S. 'Harvest Moon'* **34**: 3, **36**: 3, **50**: 85
- S. hemsleyanum* **25**: 8, **35**: 21, **41**: 43, **50**: 88-89, **50**: 92, **97**: 66, **98**: 81
 Distribution **97**: 66 (Fig 29)
 Illustration **126**: 86 (Fig 5), 87 (Fig 87), **153**: 59 (Fig 6)
- S. henriquesii* **44**: 40
- S. hernandezii* **26**: 24, **27**: 3-5, **28**: 29, **38**: 18, **46**: 92, **46**: 94
 Illustration **27**: 4, **46**: 93-94
- S. hidakense* 'Rubellum' (see *Hylotelephium* 'Hidakense') **38**: 10
- S. hierapetrae* **27**: 10, **37**: 14, **52**: 44
- S. hillebrandtii* **44**: 28
- S. himalense* (see *Rhodiola himalensis*) **34**: 11, **34**: 24, **35**: 23-24
- S. hintonii* **25**: 8, **42**: 57, **42**: 66, **50**: 87-89, **50**: 91-92, **75**: 10-12
 Illustration **50**: 91, **75**: 11 (Figs 9-11), **75**: 12 (Fig 12)
- S. hintoniorum* **43**: 20, **44**: 48
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- S. hirsutum* **16**: 15, **22**: 17, **24**: 23, **29**: 19, **32**: 10-13, **32**: 21, **33**: 16, **34**: 8, **34**: 11, **37**: 22, **38**: 13, **39**: 5, **44**: 40, **45**: 72, **47**: 15, **52**: 45, **53**: 31-32, 56: 47, **97**: 61, **97**: 64
102: 100, **113**: 71-73, **122**: 86, **127**: 7, **132**: 41, **147**: 90, 91
 Illustration **97**: 61 (Figs 13 & 14), **101**: 67, **102**: 100 (Fig 11), **113**: 73 (Figs 22 & 23), **145**: 48 (fig 20),
- S. hirsutum* subsp. *baeticum* **44**: 40
 Illustration **117**: 78 (Fig 24)
- S. hispanicum* (see *Sedum aytacianum*) **22**: 9, **22**: 17, **24**: 14-15, **24**: 23, **25**: 24, **25**: 28, **26**: 6, **26**: 10, **27**: 9, **27**: 11, **29**: 3, **34**: 6, **34**: 23, **35**: 11, **36**: 20-21, **38**: 11, **40**: 14-18, **41**: 48, **42**: 53, **42**: 56, **44**: 30, **44**: 33, **44**: 43, **48**: 32, **48**: 36, **49**: 60, **71**: 5-9, **72**: 45, **73**: 53-55, **74**: 89-90, **79**: 4, **80**: 29, **83**: 6, **85**: 61, **86**: 78, **91**: 14, **92**: 26, **101**: 78, **105**: 61, **107**: 2, **109**: 56, **116**: 36-39, **117**: 67-71, **118**: 85, **119**: 12, **122**: 98, **129**: 58, **130**: 84, **131**: 22-24, **132**: 34-35, **134**: 89, **144**: 20, 23, **146**: 60, **148**: 8, 11, 12, 13, 18, **149**: 32, 36, **152**: 13, **154**: 95, 97
 Distribution (Turkey) **109**: 56 (Fig 1), (Kefallonia) **132**: 34 (Fig 4),
 Illustration **48**: 36, **52**: 38, **74**: cover, **74**: 90, **85**: 63 (Fig 10b), **101**: 77 (Figs 21a-d), **109**: 56 (Fig 2), **115**: 18 (Fig 25), **115**: 19 (Fig 26), **116**: 36 (Figs 1a & b), **116**: 37 (Fig 2), **116**: 40 (Fig 9), **117**: 70 (Figs 15 & 16), **118**: 107 (Fig 35), **122**: 98 (Figs 21a & 21b), **129**: 59 (Fig 19), **132**: 35 (Fig 6), **148**: 10 (Fig 11), 14 (Figs 20 & 21), 15 (Fig 22), **149**: 36, **155**: 131 (Fig 28)
- S. hispanicum* fm. *durabilis* **129**: 71-72
 Illustration **129**: 72 (Fig 30)
- S. hispanicum* (see *Sedum hispanicum* fm. *durabilis*) **130**: 79
- S. hispanicum* var. *eriocarpum* **37**: 19, **41**: 35
 Illustration **41**: 35
 Nomenclature **130**: 86-88
- S. hispanicum* var. *hispanicum* **115**: 17
 Illustration **115**: 17 (Fig 24)
- S. hispanicum* var. *minus* **21**: 20, **31**: 15, **31**: 21, **42**: 56, **80**: 36, **84**: 40-41, **96**: 30
 Illustration **80**: 36 (Fig 6), **84**: 40 (Figs 9 & 10), **84**: 46 (Fig 15)

- S. hispanicum* var. *planifolium* **109**: 56, **111**: 17, **112**: 39
 Distribution (Turkey) **111**: 18 (Fig 22)
 Illustration **111**: 17 (Fig 21), **111**: 19 (Figs 23, 24 & 25), **111**: 20 (Fig 26)
- S. hispanicum* 'Silver Carpet' **31**: 15
- S. hultenii* **26**: 16, **42**: 57
- S. humifusum* **18**: 11, **36**: 6, **42**: 57
 Illustration **18**: 11, **103**: 26 (Fig 33), **118**: 91 (Fig 8), **118**: 92 (Fig 9), **128**: cover
- S. hybridum* **22**: 9, **34**: 6, **35**: 11, **38**: 10, **39**: 19, **44**: 33, **44**: 43, **50**: 85
- S. idaeum* (see *Sedum laconicum* var. *idaeum*) **25**: 23
- S. imbricatum* **26**: 4
- S. incarum*
 Illustration **155**: 117 (Fig 8)
- S. indicum* var. *yunnanensis* (see *Sinocrassula yunnanensis*)
- S. integrifolium* (see *Rhodiola integrifolia*) **34**: 11
- S. integrifolium* subsp. *leedyi* (see *Rhodiola integrifolia* subsp. *leedyi*) **23**: 20
- S. involucreatum* **41**: 43
- S. ishidae* **17**: 7, **28**: 24, **30**: 20, **37**: 21, **38**: 10-11
- S. jaccardianum* **32**: 8-12, **35**: 9-10, **38**: 16, **39**: 21
 Illustration **32**: centerfold
- S. jaeschkei* (syn. *S. oreades*) **114**: 100-101
 Illustration **114**: 101 (Fig 5)
- S. jahandiezii* **47**: 5, **49**: 69
- S. jaliscanum* **22**: 14-15
- S. japonicum* **26**: 16, **29**: 13, **38**: 11, **39**: 19, **45**: 69, **48**: 35
 Illustration **117**: 66 (Fig 9)
- S. japonicum* var. *pumilum* **77**: 52
 Illustration **77**: 53 (Fig 1)
- S. japonicum* subsp. *boninense* **77**: 52
- S. japonicum* subsp. *japonicum* **77**: 52
- S. japonicum* subsp. *japonicum* var. *senanense* **77**: 52
- S. japonicum* subsp. *oryzifolium* **77**: 52
 Illustration **77**: 53 (Fig 1)
- S. japonicum* subsp. *japonicum* var. *oryzifolium* (see *S. japonicum* subsp. *oryzifolium*) **77**: 52
- S. japonicum* subsp. *oryzifolium* (see *S. japonicum* subsp. *japonicum* var. *oryzifolium*) **112**: 49
 Illustration **112**: 49 (Fig 27)
- S. japonicum* subsp. *uniflorum* **77**: 52
- S. jiuhuashanense* **49**: 57-58
- S. 'Joyce Tulloch'* **70**: 86-88, **136**: 15,
 Illustration **70**: 86 (fig 5), **136**: 15 (Fig 13)
- S. jujuyense* **73**: 59-60, **73**: 68, **73**: 70-72, **74**: 91
 Illustration **73**: 58 (Figs 5a & b), **73**: 59 (Fig 6), **73**: 71 (Figs 8 & 9)
- S. jurgensenii* **46**: 107,
- S. jurgensenii* ssp. *attenuatum* **114**: 102-105
 Description **53**: 44-46
 Illustration **53**: 46-47, **114**: 102 (Fig 7), **114**: 104 (Figs 12 & 13)
- S. jurgensenii* ssp. *jurgensenii* **114**: 102-105
 Illustration **114**: 102 (Fig 7), **114**: 103 (Figs 8-10), **114**: 105 (Figs 14-16)
- S. kamtschaticum* **21**: 3, **21**: 19, **31**: 19, **34**: 6, **35**: 11, **38**: 10-11, **39**: 7, **39**: 19, **44**: 33, **48**: 35-36, **48**: 40, **50**: 85
- S. kamtschaticum* var. *floriferum* **31**: 19, **34**: 6, **39**: 3

- S. 'Keston'* **35**: 23-24, **35**: 23
 Illustration **35**: centrefold
- S. kimnachii* **54**: 80,
 Distribution (UK) **103**: 2, **136**: 3
 Illustration **136**: 3 (Fig b), **155**: 130 (Fig 25)
- S. kirilowii* **35**: 24
- S. kirilowii* var. *rubrum* **35**: 24, **45**: 56
- S. kiusianum* (see *Sedum polytrichoides*) **96**: 38
- S. kostovii* **25**: 23, **38**: 18, **41**: 43
- S. krajinae* **22**: 7, **22**: 10, **44**: 32
- S. laconicum* **24**: 24, **25**: 23-25, **27**: 9, **27**: 15-16, **35**: 6, **40**: 14-18, **40**: 23-24, **41**: 48, **44**: 28-29, **81**: 63, **92**: 26, **109**: 69, **132**: 32-33, 34, **148**: 8, 11, 12, 18, **149**: 34, 35, 36, **150**: 52
 Distribution map (Turkey) **100**: 53, (Kefallonia) 132 (Fig 4),
 Illustration **40**: 23-24, **59**: 88, **109**: 69 (Fig 20), **132** (Figs 1, 2 & 3), **138**: 75 (Fig 21), **148**: 11 (Fig 13), 12 (Fig 14), 149: 33 (Fig 8)
- S. laconicum* var. *idaeum* (see *Sedum idaeum*) **25**: 23
- S. laconicum* var. *insulare* **27**: 9, **27**: 15, **40**: 18, **52**: 38-40, **53**: 31-32
- S. 'Ladislav Hlavaty'* **29**: 22, **34**: 3, **35**: 5, **36**: 6
- S. lagascae* **21**: 6-7, **32**: 13, **44**: 40, **45**: 72, **146**: 73
 Illustration **21**: 7
- S. lampusae* **27**: 20-21, **32**: 11, **38**: 19, **39**: 8-16, **151**: 95
 Illustration **39**: centerfold, **40**: 15, **85**: 68 (Fig 12b),
 Illustration (postage stamp) **39**: 1
- S. lanceolatum* **22**: 22, **40**: 10, **41**: 43, **45**: 69, **45**: 70, **55**: 7, **73**: 74, **89**: 57, **92**: 31, **101**: 63-66, **108**: 46-49
 Illustration **55**: 54, **73**: 74 (Fig 10), **82**: 91 (Figs 7), **82**: 92 (Figs 9), **101**: 65 (Fig 4), **101**: 66 (Fig 5) **108**: 46 (Figs 23a & b), **108**: 47 (Figs 24 & 25), **108**: 48 (Fig 26), **108**: 49 (Fig 28)
- S. lanceolatum* subsp. *nesioticum* **55**: 7
- S. lanceolatum* subsp. *subalpinum* **55**: 7, **108**: 48
 Illustration **108**: 48 (Fig 27)
- S. lancerottense* **41**: 43, **45**: 60, **47**: 4, **47**: 8-10, **47**: 12, **49**: 67, **49**: 71, **102**: 95-99
 Illustration **47**: 12c, **102**: 96 (Fig 5)
 Illustration (habitat) **102**: 97 (Figs 6 & 7)
- S. latiovalifolium* **131**: 19
- S. lahovaryanum* **143**: 88
- S. laxum* **4**: 16, **23**: 6, **37**: 22, **37**: 24, **38**: 18, **38**: 21-22, **40**: 9, **55**: 7
- S. laxum* subsp. *eastwoodiae* **38**: 22, **55**: 7
- S. laxum* subsp. *flavidum* **38**: 22, **87**: 8-10, **150**: 70
 Illustration **87**: 9 (Fig 5a & 5b), **150**: 70 (Fig 41)
- S. laxum* subsp. *heckneri* **23**: 6, **38**: 22, **45**: 58, **55**: 7, **88**: 40
- S. laxum* subsp. *latifolium* **55**: 7, **87**: 13-14
 Illustration **87**: 12 (Figs 9 & 10)
- S. laxum* subsp. *laxum* **38**: 22, **88**: 39
 Illustration **88**: 39 (Figs 8 & 9), **88**: 40 (Fig 10)
- S. laxum* subsp. *perplexum* **22**: 23
- S. leibergii* **15**: 7, **55**: 7
- S. leucarpum* **41**: 43
- S. leveilleum* **49**: 51
- S. liebmännianum* **27**: 5, **41**: 43
 Illustration **41**: 37c

S. lineare **21**: 5, **21**: 24, **23**: 16-17, **29**: 13, **34**: 12, **39**: 19, **46**: 97, **48**: 28, **49**: 57-58, **152**: 38-39
 Illustration **110**: 85 (Fig 3), **136**: 5 (Fig 2), **143**: 88, **155**: 113 (Fig 4)
S. lineare var. *variegatum* **22**: 22, **38**: 10, **46**: 96
 Illustration **116**: 54 (Fig 34)
S. linearifolium (see *Rhodiola linearifolia*) **8**: 3, **11**: 22, **28**: 23
 Illustration **8**: 1, **8**: 5
S. 'Little Gem' **18**: 10-12, **38**: 7, **42**: 57, **42**: 59
 Illustration **18**: 11
S. litorale **38**: 10-11, **39**: 19, **41**: 28
S. litoreum **25**: 24, **27**: 9-10, **27**: 16, **37**: 19, **39**: 7, **40**: 13-18, **41**: 36, **41**: 48, **52**: 7, **56**: 43-45, **73**: 53-54, **73**: 56, **74**: 82, **88**: 44, **103**: 12-18, **111**: 10, **115**: 4-5, **132**: 33-35, **148**: 8, **149**: 36, **154**: 94
 Illustration **73**: 54 (Fig 2), **103**: 13 (Fig 14), **103**: 14 (Fig 15), **103**: 15 (Figs 16 & 17), **103**: 16 (Fig 18), **111**: 6 (Fig 4), **111**: 11 (Fig 11), **115**: 5 (Fig 3), **131**: 11-14 (Fig 12), **132**: 35 (Fig 7), **154**: 94 (Fig 14)
 Illustration (distribution) **103**: 12 (Fig 12), **132**: 34 (Fig 4),
 Illustration (habitat) **103**: 13 (Figs 13a-c)
S. litoreum var. *creticum* **41**: 48, **52**: 37, **52**: 40, **53**: 30, **56**: 43-45, **74**: 83, **81**: 63
 Illustration **56**: 66, **74**: 83 (Fig 3 & 4)
S. longibracteatum **24**: 14-15, **25**: 28, **30**: 20, **80**: 29
S. longipes **22**: 15, **30**: 17, **46**: 96
S. longipes var. *rosulare* **41**: 43
S. lucidum **26**: 18, **38**: 27-28, **46**: 96, **87**: 4, **140**: 10-12
 Illustration **140**: 11 (Fig 13, 12 (Fig 17)
S. lucidum 'Obesum' **42**: 60, **42**: 72, **140**: 10-11,
 Illustration **140**: 10 (Fig 14)
S. lumholtzii **29**: 3, **54**: 54-56
 Illustration **54**: 48-49
S. x luteoviride **38**: 7, **155**: 130 (Fig 29)
S. lydiu **21**: 23, **34**: 6, **42**: 56, **44**: 33, **84**: 41, **112**: 35-37, **112**: 39
 Distribution map (Turkey) **111**: 18 (Fig 22)
 Illustration **112**: 36 (Fig 6), **112**: 37 (Fig 7)
S. macdonaldii **42**: 61-62, **43**: 20
S. macdougallii **23**: 3
 Illustration **23**: 1, **23**: 4, **131**: 5 (Fig 6)
S. magellense **27**: 9-11, **53**: 30, **81**: 64, **86**: 78, **109**: 69, **144**: 20, **149**: 35
S. magellense subsp. *olympicum* **27**: 9, **40**: 18, **56**: 41, **91**: 13, **92**: 22, **92**: 25
 Illustration **91**: 13 (Fig 10), **92** (cover)
S. maireanum **44**: 40, **45**: 72, **129**: 52-57 (description), **146**: 73
 Illustration **129**: 52 (Figs 1 & 2), **129**: 53 (Figs 3 & 4), **129**: 54 (Fig 5), (flowers) 55 (Figs 6a-c & 7), 56 (Fig 8), **138**: 75 (Fig 22), **146**: 73 (Fig 23)
S. makinoi **21**: 5, **21**: 21-22, **23**: 16, **39**: 19, **41**: 43, **57**: 61-68, **124**: 46-47,
 Illustration **142**: 70 (Fig 22)
S. makinoi 'Tundra Tornado'
 Illustration **107**: 6 (Fig 2)
S. maurum **35**: 9
S. maweanum **44**: 32
S. maximum **22**: 5, **22**: 10, **22**: 21, **23**: 14, **45**: 58, **50**: 95
 Illustration **33**: 1
S. maximum subsp. *jullianum* **22**: 10
S. maximum subsp. *maximum* **22**: 5

S. maximum subsp. *ruprechtii* **22**: 10
S. maximum subsp. *scherfellii* **22**: 10
S. melanantherum **30**: 8, **38**: 12, **44**: 39, **45**: 72, **47**: 4-5, **49**: 69, **146**: 73
 Illustration **108**: 45 (Fig 22)
S. mellitulum **27**: 7, **38**: 7
S. mesoamericanum **113**: 77
 Illustration **113**: 77 (Figs 31 & 32)
S. mexicanum **21**: 21, **22**: 17, **22**: 20, **22**: 22, **26**: 16, **26**: 18, **32**: 21, **40**: 17, **47**: 23, **57**: 61-68, **73**: 57, **84**: 36, **123**: 2, **137**: 31, **143**: 88, **152**: 39-41
 Illustration **58**: 99, **123**: cover, **152**: 40 (Fig 15)
S. micranthum **22**: 8
S. microcarpum **103**: 20-21, **111**: 10
 Illustration **103**: 20 (Fig 24), **103**: 21 (Figs 25a & b), **111**: 11 (Figs 10 & 11), **111**: 12 (Figs 12 & 13)
S. microsepalum **4**: 5, **152**: 41
 Illustration **152**: 42 (Fig 16)
S. microstachyum **27**: 20-21, **32**: 11, **39**: 6-16, **151**: 95
 Illustration **39**: centerfold
S. middendorffianum **21**: 3, **31**: 19, **38**: 10, **135**: 124-126
S. middendorffianum 'Striatum' **38**: 18
S. millspaughii **113**: 78
 Illustration **113**: 78 (Figs 33-35)
S. miserum **73**: 68
S. mite **27**: 22
S. mocinianum **50**: 87-89, **50**: 92
 Illustration **50**: 90
S. modestum **34**: 24, **35**: 7-10, **43**: 22, **35**: 7, **50**: 83, **114**: 112-114, **123**: 13-14, **151**: 97
 Illustration **34**: 1, **34**: 23, **35**: centerfold, **114**: 113 (Figs 23 & 24), **123**: 14 (Figs 17 & 18), **151**: 82 (Fig a), 96 (Fig. 25)
S. 'Mohrchen' (see *Hylotelphium telephium* 'Mohrchen') **37**: 21
S. moniliforme **133**: 54
S. monregalense **32**: 20, **33**: 4, **33**: 8-9, **42**: 52-53, **42**: 60, **50**: 86, **120**: 43-44
 Illustration **42**: 60, **120**: 43 (Fig 25), **120**: 44 (Figs 26 & 27)
S. montanum (see *Petrosedum montanum*) **21**: 11, **26**: 12, **28**: 11, **28**: 13, **28**: 21-22, **37**: 4-5, **42**: 53, **44**: 40, **45**: 72, **48**: 46, **57**: 57
S. montanum subsp. *montanum* (see *Petrosedum montanum* subsp. *montanum*) **26**: 12, **28**: 13-14, **42**: 53, **42**: 60
 Illustration **42**: 60
S. montanum subsp. *orientale* (see *Petrosedum montanum* subsp. *orientale* and also *Sedum thartii*) **26**: 12, **42**: 53, **48**: 32, **98**: 83
S. 'Moon Glow' **23**: 6, **45**: 58-59, **50**: 86
S. moranense **25**: 8, **26**: 18, **29**: 13, **35**: 21, **38**: 8, **41**: 46, **50**: 85, **133**: 65-68
 Illustration **133**: 65 (Fig 14), 66 (Figs 15 & 16), 67 (Fig 17), 68 (Fig 18), **139**: 83 (Fig 5), **155**: 130 (Fig 30)
S. moranii **5**: 17, **23**: 6, **38**: 21, **40**: 1, **40**: 9-10, **55**: 7, **88**: 38
 Illustration **40**: 1, **88**: 37 (Fig 5), **88**: 38 (Figs 6 & 7)
S. morganianum **6**: 6, **7**: 19, **24**: 4-5, **20**: 3, **38**: 6, **46**: 96, **115**: 2, **140**: 2-3,
 Illustration **20**: 3, **115**: cover, **115**: 2 (Fig 8) **140**: cover,
S. morrisonense **4**: 5, **37**: 22, **41**: 28, **53**: 39, **90**: 74, **112**: 49, **152**: 42-44
 Illustration **36**: 18c, **90**: cover, **112**: 49 (Figs 28 & 29), **150**: 78 (Fig 47), **152**: 43 (Fig 17)
S. mucizonia **26**: 10-11, **30**: 4-6, **32**: 13, **44**: 40, **45**: 72, **90**: 79, **92**: 45, **114**: 118-119,

123: 13-14, **149:** 37
 Illustration **26:** 11, **92:** 45 (Fig 26), **114:** 119 (Fig 31 & 32), **123:** 13 (Fig 16), **138:** 75 (Fig 23), **145:** 49 (fig 21)
S. mucizonia subsp. *urceolatum* **25:** 2, **26:** 12
S. multicaule (see also *Sedum* affin. *multicaule*)
 Illustration **111:** 7 (Fig 5), **136:** 5 (Figs 4a& 4b)
S. affin. multicaule **41:** 43
 Description **100:** 42-43
 Illustration **100:** 4 (Figs 1 & 2)
S. multiceps **22:** 21, **29:** 13, **38:** 8, **46:** 89, **47:** 23, **100:** 55, **110:** 99-101, **147:** 82-88
 Illustration **100:** 55 (Fig 23), **110:** 99 (Fig 17), **147:** 83 (Fig 2), 84 (figs 3 & 4), 86 (Fig 5), 87 (Fig 6), 88 (Fig 7)
S. multiflorum **17:** 3-4, **22:** 15
S. muscoideum **26:** 16, **29:** 17, **34:** 15,
 Illustration **126:** 87 (Fig 7), **133:** 73 (Fig 26)
S. nagasakianum **21:** 4, **39:** 19, **41:** 43
 Illustration **21:** 1, **21:** 4, **51:** 32
S. nanifolium **8:** 9, **27:** 7, **41:** 43, **42:** 61-62, **42:** 65, **136:** 26-27,
 Illustration **8:** 10, **83:** 20 (Fig 11), **105:** 59 (Fig 2), **136:** 26 (Fig 27), 27 (Fig 28)
S. nanshanchunense **152:** 45
S. napiferum **112:** 50-51
 Illustration **112:** 50-51 (Figs 30-34)
S. neglectum **44:** 32
S. neglectum subsp. *orientale* **42:** 53, **48:** 32
S. nevadense **30:** 10, **44:** 40, **45:** 72, **46:** 88-89, **58:** 81-82, **117:** 71-72
 Illustration **58:** 81-82, **117:** 72 (Fig 17)
S. nevii **5:** 14, **23:** 6, **55:** 7
S. nicaeense **15:** 6, **22:** 19, **26:** 12, **26:** 21-22, **28:** 12, **35:** 13, **35:** 20, **39:** 7, **50:** 93, **131:** 2 (Fig a) (*Petrosedum* sediforme)
S. nicaeense subsp. *sopiana* **50:** 93
S. niveum **21:** 13, **24:** 11-12, **29:** 3-4, **29:** 15, **55:** 7
S. nokoense **4:** 5, **96:** 39-40, **152:** 45-46
 Illustration **96:** 39, **152:** 45 (Fig 19)
S. notarjanni **136:** 9-11
 Illustration **136:** 10 (Fig 9)
S. nudum **44:** 36, **45:** 60-67, **47:** 4-6, **47:** 8-10, **47:** 12, **49:** 67, **49:** 70-72
 Illustration **45:** 66, **47:** 7, **47:** 12, **150:** 54 (Fig 6)
S. nussbaumerianum **8:** 6, **25:** 10, **37:** 10, **37:** 13, **38:** 7, **46:** 89, **46:** 96, **87:** 27, **95:** 23
 Illustration **18:** 13, **25:** 11, **37:** centerfold, **75:** 9 (Fig 8)
S. nutans **29:** 15
 Illustration **18:** 11
S. nuttallianum **3:** 8, **29:** 14, **42:** 61-62, **55:** 7, **106:** 85-92
 Cultivation **16:** 17
 Distribution (Comanche County) **106:** 89 (Fig 8)
 Distribution (Texas) **106:** 86
 Exploration **3:** 8-9
 Illustration (habitat) **106:** 86 (Fig 2), 87 (Fig 4), 89 (Fig 7), 90 (Fig 9), 91 (Fig 11)
S. oaxacanum **23:** 7, **29:** 15, **38:** 7, **97:** 48-52
 Illustration **94:** 79 (Fig 13), **97:** 50 (Fig 4)
S. obcordatum **26:** 14, **33:** 23, **34:** 18-20, **38:** 8-9, **41:** 43, **91:** 18, **141:** 26
 Illustration **34:** 12, **91:** 19 (Fig 12), **94:** 76 (Fig 7), **94:** 77 (Fig 8), **141** (cover), 29 (Figs 2a & 2b), **155:** 130 (Fig 27)

- S. oblongeolatum* **5**: 17, **38**: 22, **40**: 9-10, **55**: 7, **88**: 35, **88**: 40
 Illustration **88**: 36 (Fig 2), **88**: 37 (Figs 3 & 4)
- S. obtusatum* **19**: 20-22, **23**: 6, **24**: 12, **26**: 19, **37**: 22, **38**: 21-22, **40**: 9, **53**: 39, **55**: 7
 Illustration **19**: 21, **90**: 77 (Fig 1)
- S. obtusatum* subsp. *boreale* **38**: 23, **55**: 7, **89**: 52-53
 Illustration **89**: 53 (Fig 1)
- S. obtusatum* subsp. *obtusatum* **38**: 23
 Illustration **90**: 88 (Fig 9)
- S. obtusatum* subsp. *paradisum* **38**: 20, **38**: 23
- S. obtusatum* subsp. *retusum* **38**: 23, **55**: 7, **88**: 40
- S. obtusifolium* (see *Phedimus obtusifolius*) **32**: 4, **41**: 28, **48**: 46
 Illustration **32**: 2, **32**: centrefold
- S. ochroleucum* (see *Petrosedum ochroleucum*) **21**: 16, **23**: 5, **26**: 12, **28**: 11-12, **28**: 19-22, **37**: 5, **37**: 19, **38**: 10-11, **39**: 5, **40**: 13-14, **40**: 18, **41**: 36, **42**: 53, **44**: 30, **44**: 40, **48**: 46, **50**: 93-94, **55**: 15-24, **56**: 42, **57**: 56-60, **58**: 101, **59**: 15-22, **73**: 55, **120**: 23
 Illustration **21**: 17, **41**: 38, **73**: 56 (Fig 4)
- S. ochroleucum* subsp. *mediterraneum* (see *Petrosedum albescens*) **120**: 23
- S. ochroleucum* subsp. *montanum* **28**: 13
- S. ochroleucum* subsp. *orientale* **28**: 13-14
- S. oligospermum* **154**: 102-103
 Illustration **154**: (Fig 26)
- S. orbatum* **17**: 22-23, **121**: 71-73
 Illustration **17**: 22-23, **121**: 71 (Fig 13), **121**: 72 (Fig 14)
 Illustration (Inflorescence) **121**: 72 (Fig 15)
- S. orbiculatum* BSWJ 723 **131**: 15
- S. oreades* **97**: 58
 Illustration **97**: cover, **97**: 58 (Fig 10), **114**: (Fig 3)
- S. oreganum* **4**: 17, **25**: 27, **29**: 13, **31**: 20, **34**: 6, **38**: 11, **39**: 19, **44**: 33, **45**: 69, **55**: 8
- S. oreganum* subsp. *tenue* **50**: 86, **55**: 8
- S. oregonense* **23**: 6, **38**: 11, **38**: 21, **40**: 9, **55**: 8
 Illustration **19**: 21
- S. oryzifolium* **10**: 3, **14**: 3-5, **26**: 14, **36**: 21, **45**: 61, **48**: 28, **77**: 52, **84**: 36
 Illustration **14**: 1, **14**: 4-5
- S. oryzifolium* 'Tiny Form' **38**: 18
- S. oteroi* **103**: 21-23
 Illustration **103**: 22 (Fig 26), 23 (Fig 27-28), **105**: 58 (Fig 1)
- S. oxycoccoides* **38**: 18, **42**: 54
 Illustration **10**: 1, 4
- S. oxypetalum* **22**: 11, **38**: 6, **38**: 18, **39**: 22, **138**: 54
 Illustration **138**: Cover, **139**: 83 (Fig 6)
- S. pachyclados* (see *Rhodiola pachyclados*) **6**: 3-5, **42**: 59
 Illustration **6**: 1
- S. pachyphyllum* **21**: 23, **38**: 6
 Illustration **94**: 78 (Fig 10)
- S. pakistanicum* 'Sarwar' **37**: 20-21
- S. palaestinum* **41**: 48
- S. pallidum* **24**: 24, **26**: 6-8, **27**: 10, **36**: 20-21, **40**: 18, **44**: 30, **59**: 9-10, **91**: 2, **116**: 36-40, **116**: 39-40, **134**: 90, **137**: 31, **144**: 20, **146**: 60, **150**: 63
 Illustration **91**: cover, **116**: 39 (Fig 7), **116**: 40 (Figs 8 & 9), **137** (Figs b & c), **146**: 61 (Fig 7), **155**: 129 (fig 24)
- S. pallidum* var. *bithynicum* (see *Sedum bithynicum*)
- S. pallidum* var. *pallidum* **24**: 24, **26**: 8,

S. palmeri **22**: 11, **31**: 22, **32**: 21, **34**: 20-21, **38**: 7-9, **40**: 17, **42**: 59, **43**: 20, **46**: 94, **46**: 96, **46**: 99, **50**: 85, **53**: 41-42, **73**: 57, **95**: 8, **96**: 43, **99**: 7, **103**: 6-9, **122**: 80-84, **152**: 13
 Illustration **46**: 94, **95**: 8 (Fig 8), **99**: 8 (Fig 7), **103**: 7 (Figs 5a, 5b & 5c), 8 (Fig 6), 9 (Fig 7), **116**: 52 (Fig 31), **122**: 82 (Fig 4), 80 (Fig 1), 83 (Fig 5), **133**: 69 (Fig 19), **154**: cover, **155**: 130 (Fig 28)
S. palmeri subsp. *emarginatum* **122**: 81
S. palmeri subsp. *rubromarginatum* **133**: 73 (Fig 25)
S. palmeri 'Guatemalan Mini' **90**: 92-94, **135**: 106, 108-113, **148**: 5
 Illustration **90**: 93 (Figs 12 & 13), **135** cover, **148**: 6 (Fig 5)
S. pamiroalaicum **26**: 4, **28**: 23
S. papillicaulum **42**: 62, **43**: 20
S. parvisepalum **152**: 46
S. parvistamineum **41**: 43
S. parvum **26**: 17, **42**: 62, **42**: 65
S. parvum subsp. *dendroides* **42**: 61, **42**: 63-64
S. parvum subsp. *diminutum* **18**: 34, **42**: 61
 Illustration **18**: 1, **18**: 3
S. parvum subsp. *nanifolium* **42**: 61
S. parvum subsp. *parvum* **42**: 61
S. parvum subsp. *robertsianum* **42**: 61
S. 'Pearson's Puzzle' **20**: 16-23, **21**: 22, **38**: 7, **79**: 10
 Illustration **20**: 17
S. pedicellatum **15**: 3, **45**: 72, **116**: 50-51, **127**: 7, **127**: 10-12
 Illustration **127**: 10 (Fig 10), **127**: 11 (Fig 12), **127**: 12 (Figs 13 & 14)
 Illustration (Colour variation) **127**: 11 (Fig 11)
S. pedicellatum subsp. *lusitanicum* **44**: 40
S. pedicellatum subsp. *pedicellatum* **44**: 40
S. perezdelarosae **114**: 111-112, **129**: 62-65
 Illustration **114**: 111 (Fig 21), **114**: 112 (Fig 22), **129**: 64 (Fig 23)
S. piactlaense **113**: 90-91
 Illustration **113**: 90-91 (Figs 18-21)
S. pilosum **18**: 12, **21**: 23, **32**: 12, **38**: 11, **71**: 12
S. platyphyllum **4**: 12, **22**: 3, **59**: 22-23
 Illustration **22**: 1, **22**: 4
S. platysepalum
 Illustration **134**: 84,
S. plumbizincicola **108**: 38-40
 Illustration **108**: 40 (Fig 19)
S. plumasanum **40**: 9
S. pluricaule **21**: 23, **22**: 17, **23**: 6-7, **25**: 12-13, **47**: 16-18
 Illustration **47**: 19-20
S. pluricaule subsp. *ezawe* **38**: 18, **47**: 17
S. pluricaule var. *yezoense* **47**: 18
S. polyrhizum **97**: 48-52
 Illustration **97**: 48 (Fig 1), **97**: 49 (Fig 2a - d), **97**: 50 (Fig 3)
S. polystriatum **72**: 31-32, **122**: 103-104
 Illustration **72**: 31 (Fig 5), **122**: 104 (Figs 23 & 24)
S. polytrichoides **39**: 19, **41**: 43, **96**: 36
 Illustration **96**: 37 (Fig 11)
S. polytrichoides 'Chocolate Ball' **96**: 37-38
S. polytrichoides subsp. *polytrichoides* **96**: 38

S. populifolium (see *Hylotelephium populifolium*) **21**: 20, **21**: 23, **24**: 20, **29**: 22, **39**: 22, **45**: 58, **48**: 40
S. porphyranthes **99**: 14-16
 Illustration **99**: 14 (Fig 18), 15 (Figs 19, 20 & 21)
S. potosinum **7**: 4, **22**: 14, **24**: 5, **25**: 3, **26**: 18, **27**: 7, **29**: 13
S. praealtum **17**: 4, **21**: 23, **22**: 13, **22**: 20, **26**: 16, **32**: 21, **34**: 19, **38**: 8-9, **43**: 20, **46**: 97, **53**: 42
S. praealtum subsp. *monticola* **38**: 7
S. praesidis **27**: 9-10, **27**: 16, **27**: 20, **40**: 18, **41**: 48, **52**: 37
S. primuloides (see *Rhodiola primuloides*) **38**: 10-11
S. pruinatum (see *Petrosedum pruinatum*) **15**: 16, **26**: 12, **28**: 11, **28**: 16, **28**: 18, **28**: 21, **28**: 23, **40**: 13, **44**: 40, **45**: 72, **58**: 102-103, **59**: 15-22
S. pseudorupestre **98**: 83
S. pseudospectabile **41**: 43
S. puberulum **28**: 5, **29**: 3
S. pubescens **26**: 22, **35**: 9-10, **36**: 7, **50**: 75, **50**: 78, **50**: 80-81, **50**: 83
 Illustration **26**: 23, **50**: 83, **51**: 33, **107**: 3 (Fig x)
S. pulchellum **8**: 12, **28**: 24, **31**: 20, **36**: 20-21, **38**: 18, **43**: 3, **44**: 48, **55**: 8, **87**: 21-22, **106**: 90-92, **142**: 50, **144**: 16
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S. pumila **46**: 107
S. purdyi **46**: 97
S. purpureoviride **34**: 24
S. purpureum **22**: 5, **23**: 14
S. purpureum 'Autumn Joy' **23**: 15, **25**: 7
S. purpusii **8**: 13, **26**: 16, **28**: 29
S. pusillum **43**: 17-18, **55**: 8
S. quevae **21**: 22, **38**: 10
S. radiatum **35**: 11, **55**: 8, **56**: 34
 Illustration **55**: 59
S. radiatum subsp. *ciliolum* **55**: 8
S. radiatum subsp. *depauperatum* **55**: 8, **88**: 40
S. reflexum **21**: 3, **22**: 7, **22**: 19, **23**: 5, **23**: 12, **23**: 15, **26**: 12, **28**: 22, **44**: 45, **46**: 99, **50**: 93
 Illustration **104**: 50 (Fig 27)
S. reflexum subsp. *glaucescens* **22**: 10
S. reflexum subsp. *glaucum* **22**: 7
S. reflexum var. *albescens* **3**: 11, **13**: 19, **28**: 22
S. reniforme **85**: 65-67
 Illustration **155**: 119 (Figs 11a, 11b, 11c) (or *S. xerophilum*)
S. reptans **9**: 3-4, **26**: 24, **27**: 3, **27**: 7-8, **38**: 7-8, **43**: 20
 Illustration **9**: 1, **9**: 5, **83**: 19 (Fig 10), **91**: 8 (Fig 5)
S. reptans subsp. *carinatifolium* **9**: 4, **27**: 7-8, **37**: 22, **41**: 28, **42**: 61-63
S. reptans subsp. *reptans* **27**: 7-8, **42**: 61-62
S. reticaule **26**: 4
S. retusum **110**: 88
 Illustration **110**: 88 (Fig 5)
S. rhodanthum (see *Rhodiola rhodantha*) **28**: 24
S. rhodocarpum **25**: 26, **41**: 43, **81**: 60-61
S. rhodocarpum subsp. *edwardii* **10**: 17, **25**: 26
 Illustration **10**: 17
S. rhodopaeum **105**: 61 (see *S. album*)
S. rivasgodayi **44**: 40

S. rivulare **30**: 10, **47**: 5
S. 'Robert Grimm' **99**: 20, **136**: 15
 Illustration **99**: 22 (Figs 23a & 23b), **136**: 15 (Fig 14)
S. robertsonianum **3**: 6, **34**: 24, **38**: 7, **42**: 61-62, **42**: 65
S. robustum **44**: 32
S. 'Rockery Challenger' **91**: 7-8
 Illustration **91**: 8 (Fig 5)
S. rohlenaee **44**: 32
S. 'Rolling Rock' **104**: 33-35
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S. 'Ron Evans' **12**: 12-14
 Illustration **12**: 12-13
S. rosea (see *Rhodiola rosea*) **17**: 8-11, **21**: 11, **21**: 16, **21**: 19, **22**: 9, **23**: 19, **25**: 5, **28**: 24, **38**: 5, **38**: 11, **42**: 55, **44**: 51
 Illustration **5**: 7, **21**: 12
S. roseum **23**: 13, **23**: 15, **46**: 91
S. rosulatobulbosum **39**: 19, **142**: 70
S. rotundifolium **26**: 4, **28**: 3, **28**: 6-7, **48**: 46, **131**: 16-20
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S. rubens **22**: 9, **22**: 19-20, **27**: 10-11, **27**: 16, **30**: 4-5, **34**: 23, **36**: 7-8, **38**: 17, **38**: 25-26, **39**: 5, **40**: 17-18, **41**: 36, **41**: 48, **42**: 52-53, **44**: 39, **45**: 72, **46**: 88, **47**: 3-4, **47**: 21, **49**: 67-68, **50**: 76, **50**: 81, **52**: 39, **55**: 15-24, **56**: 43-45, **60**: 30-31, **74**: 82-83, **83**: 6, **85**: 61, **86**: 77-78, **92**: 26, **97**: 63-64, **99**: 10-11, **107**: 16-18, **107**: 21, **111**: 5, **111**: 10, **111**: 17, **112**: 35, **112**: 39, **115**: 4-5, **115**: 13, **118**: 104, **123**: 13-14, **130**: 86, **131**: 12-14 (Figs 15 & 16), **22**-**24** (Figs 24 & 25), **132**: 34, **144**: 23, **147**: 98, **148**: 11, 18, **152**: 8, **154**: 92
 Distribution (Turkey) **108**: 32 (Fig 9), **111**: 18 (Fig 22), (Kefallonia) **132**: 34 (Fig 4),
 Illustration **38**: 1, **38**: centerfold, **41**: 25, **55**: 59, **85**: 63 (Fig 10a), **97**: 63 (Fig 23), **99**: 10 (Fig 12), **108**: 28-30, **111**: 5 (Fig 2), **115**: 5 (Fig 4), **115**: 14 (Fig 19), **118**: 100 (Fig 18), **118**: 104 (Fig 31), **118**: 107 (Fig 35), **123**: 13 (Fig 15), **148**: 10 (fig 11), **149**: 32, 36, **151**: 92 (Fig 20), **152**: (Fig 5), **154**: 93 (Fig 13)
S. rubens subsp. *delicum* **27**: 10, **40**: 18, **41**: 48
S. rubens subsp. *diploheptasoma* **60**: 29
S. rubens subsp. *rubens* **41**: 38
 Illustration **41**: 38
S. rubens var. *cosyrensis* **37**: 19, **41**: 39
S. 'Rubromucronatum' **4**: 4, **153**: 60
 Illustration **153**: 60 (Fig 7)
S. rubrotinctum **17**: 14, **29**: 14, **30**: 3
S. rubrotinctum 'Aurora' **27**: 3
S. rupestre (see *Petrosedum rupestre*) **21**: 20, **22**: 7, **26**: 12, **27**: 2, **28**: 8, **28**: 10-11, **28**: 19, **28**: 21, **28**: 8, **30**: 20, **34**: 6, **35**: 20-21, **39**: 5, **39**: 19, **41**: 38, **42**: 53, **44**: 30, **44**: 33, **44**: 40, **44**: 43, **44**: 45, **45**: 72, **46**: 87, **47**: 15, **48**: 32, **48**: 44, **48**: 46, **50**: 93-94, **58**: 100-101, **59**: 15-22
 Illustration **28**: 10, 21
S. rupestre subsp. *erectum* (see *Petrosedum rupestre* subsp. *erectum*) **28**: 14-15, **28**: 18, **28**: 20, **48**: 32
 Illustration **28**: 9
S. rupestre subsp. *reflexum* **22**: 10
S. rupestre subsp. *rupestre* (see *Petrosedum rupestre* subsp. *rupestre*) **42**: 53-54
S. rupestre 'Sea Gold' **37**: 19
S. rupicola **55**: 8
S. rupicolum **41**: 43

S. 'Sandra Mottram' **42**: 60, **42**: 72, **87**: 4
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S. rupifragum **38**: 18
S. ruwenzoriense **141**: 33
 Illustration **141**: 33 (Fig 9)
S. salazarii
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 Illustration **109**: 70 (Figs 21a, 21b & 22), **109**: 71 (Figs 23, 24 & 25), **109**: 72 (Figs 26 & 27)
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S. samium **15**: 12, **40**: 18
S. samium subsp. *micranthum* **107**: 21-22
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S. samium subsp. *samium* **112**: 36-37, **112**: 39
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 Illustration **112**: 37 (Figs 8-10)
S. sanguineum **41**: 48
S. 'Santa Barbara'
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S. sarmentosum **13**: 22, **21**: 5, **21**: 21-24, **23**: 5, **23**: 16-18, **27**: 8, **28**: 31, **29**: 13, **38**: 9-11, **39**: 19, **40**: 17, **42**: 52-53, **48**: 27-28, **49**: 57-58, **53**: 42, **57**: 61-68, **112**: 32, **126**: 82, 132: 31, **143**: 88, **152**: 46-47
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S. sarmentosum subsp. *hillebrandtii* **22**: 8
S. sarmentosum 'Iijima' **48**: 29, **48**: 36
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S. sartorianum **48**: 28
S. sasakii **152**: 47-48
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S. 'Schorbusser Blut' **45**: 58, **46**: 91
S. scopulinum **46**: 107
S. sedifolium **78**: 83
S. sediforme (see *Petrosedum sediforme*) **21**: 12, **26**: 12, **27**: 10, **27**: 12, **28**: 9, **28**: 11-12, **28**: 19, **28**: 21-23, **30**: 4-7, **30**: 20, **32**: 9, **35**: 13-21, **36**: 7-8, **37**: 19, **37**: 24, **38**: 9-12, **39**: 5, **40**: 14-16, **40**: 18, **41**: 39, **42**: 52-53, **44**: 30, **45**: 72, **46**: 86-87, **46**: 89, **46**: 97, **47**: 15, **47**: 24, **48**: 46, **50**: 75-76, **50**: 78, **50**: 80-85, **50**: 93-94, **57**: 5-60, **58**: 101-102, **59**: 15-22, **60**: 30, **73**: 53, **73**: 55-56, **77**: 56-59
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S. sediforme var. *dianum* **44**: 40, **80**: 43-44
S. sedoides **39**: 14, **102**: 94-95, **128**: 26
 Illustration **102**: 94 (Fig 4), **128**: 26 (Fig x), **150**: 79 (Figs 48 & 49)
S. sekiteiense **4**: 5, **38**: 11, **48**: 35-36, **152**: 48
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S. selkianum (see *Sedum selkianum*) **41**: 28, **43**: 12
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S. selkianum (see *Sedum selkianum*) **37**: 13, **38**: 11
S. semenowii **28**: 24
S. sempervivoides **22**: 17, **32**: 12
S. series 'Angelica' **49**: 67-69
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- S. serpentini* **5**: 4, **40**: 18, **41**: 48
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- S. sexangulare* **21**: 11, **21**: 19, **22**: 6-7, **25**: 23, **25**: 27, **26**: 13, **27**: 22-24, **29**: 13, **34**: 6, **35**: 11, **37**: 4-6, **42**: 53, **42**: 59, **42**: 71, **44**: 28, **44**: 33, **44**: 43, **44**: 45, **48**: 31-32, **50**: 85, **58**: 100, **59**: 15-22, **74**: 89 **84**: 30, **87**: 21-22, **95**: 5, **98**: 73, **109**: 64-65, **118**: 85, **128**: 36-40, **132**: 37, **134**: 83, 86, **148**: 19
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- S. sexangulare* fm. *montenegrinum* **130**: 84
- S. sexangulare* subsp. *boloniense* **22**: 10
- S. sexangulare* subsp. *hillebrandtii* **22**: 10
- S. sexangulare* var. *polonicum* **41**: 43
- S. shearer* **49**: 58
- S. sichotense* **38**: 11
- S. sieboldii* (see *Hylotelephium sieboldii*) **21**: 23, **22**: 17, **23**: 7, **23**: 20, **24**: 20, **25**: 27, **28**: 7, **31**: 21, **38**: 11, **46**: 97
 Illustration (Japanese) **130**: cover
- S. sieboldii* var. *variegatum* **38**: 11
- S. sikokianum* **49**: 51
- S. 'Silver Moon'* **21**: 23, **25**: 7, **38**: 18, **45**: 59
- S. sinforosanum* **144**: 8-11
 Illustration **144**: 10 (Fig 5)
- S. sinuatum* **15**: 22, **33**: 17
 Illustration **33**: centerfold, **33**: 17
- S. smallii* **43**: 18
- S. soluntinum* **50**: 93
- S. sorgerae* (see *Sedum confertiflorum*) **15**: 12, **72**: 33-34
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- S. sp. Lau 081* **27**: 6
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- S. sp. novae* (Comaltepec, Mexico)
 Description **109**: 60-63
 Illustration **109**: 61 (Fig 8), **109**: 62 (Fig 10)
 Illustration (habitat) **109**: 63 (Fig 12)
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- S. sp. RBGE 763791* **4**: 4
 Illustration **4**: 1, **4**: 6
- S. sp. Sierra Nevada* **29**: 15
- S. spathulifolium* **4**: 15, **21**: 13, **21**: 23, **23**: 6, **24**: 12, **29**: 15, **31**: 20, **38**: 11, **38**: 18, **39**: 19-21, **40**: 9, **41**: 28, **45**: 58, **46**: 97, **50**: 85, **55**: 4-10, **87**: 8-14, **88**: 38, **89**: 57, **90**: 76, **129**: 50-51, **144**: 3
 Illustration **41**: 37, **129**: 51 (Figs β & γ)
- S. spathulifolium* 'Aureum' **127**: 6
 Illustration **127**: 5 (Fig 3)
- S. spathulifolium* 'Cape Blanco' (see *Sedum* 'Cape Blanco') **23**: 6, **39**: 18, **44**: 38, **127**: 6
 Illustration **127**: 5 (Fig 3)
- S. spathulifolium* 'Carnea' **23**: 6
- S. spathulifolium* 'Jelly Bean' **127**: 5-6
 Illustration **127**: 5 (Fig 3), **127**: 6 (Fig 4)

S. spathulifolium 'William Pascoe' **39**: 17
S. spathulifolium carneum **50**: 88
S. spathulifolium subsp. *pruinsum* **23**: 6, **55**: 4-10
S. spathulifolium subsp. *purdyi* **55**: 8, **87**: 10-11, **89**: 52
 Illustration **87**: 10 (Fig 6)
S. spathulifolium subsp. *spathulifolium* **87**: 10-14
 Illustration **87**: 10 (Fig 7), **87**: 11 (Fig 8)
S. spathulifolium subsp. *yosemitense* **55**: 8
S. spectabile (see *Hylotelephium spectabile*) **21**: 23, **22**: 9, **25**: 8, **28**: 3, **29**: 13, **31**: 18, **32**: 24, **35**: 11
S. spectabile 'Iceberg' (see *Hylotelephium spectabile* 'Iceberg') **37**: 21
S. spectabile 'Stardust' (see *Hylotelephium spectabile* 'Stardust') **28**: 29, **32**: 24
S. spinosum **37**: 7, **38**: 16, **41**: 44, **44**: 48
 Illustration **37**: centerfold
S. 'Spiral Staircase' **26**: 17-18, **30**: 18, **38**: 7, **41**: 46-47
 Illustration **26**: 17, **104**: cover
S. spurium **21**: 3, **21**: 19, **21**: 23, **22**: 9, **25**: 8, **26**: 8, **31**: 20, **32**: 14, **34**: 6, **35**: 11, **37**: 5, **38**: 11, **39**: 19, **41**: 43, **42**: 52-53, **42**: 57, **42**: 72, **44**: 33, **44**: 43, **45**: 69, **46**: 91, **48**: 28, **48**: 32-33, **50**: 85
S. spurium subsp. *ibericum* **41**: 43
S. spurium 'Coccineum' **32**: 14
S. spurium 'Dragon's Blood' **36**: 3
S. spurium 'Schorbusser Blut' **31**: 20
S. spurium 'Tricolour' (see *Sedum spurium* 'Tricolor') **42**: 57, **42**: 59, **48**: 28
S. spurium 'Tricolor' (see *Sedum spurium* 'Tricolor') **28**: 29, **32**: 14
S. stahlii **27**: 3-5, **30**: 3, **31**: 22, **35**: 21, **35**: 22, **38**: 8, **42**: 59, **46**: 93, **46**: 98, **48**: 45
 Illustration **83**: 20 (Fig 12)
S. stefco **38**: 10-11, **40**: 18, **52**: 31, **55**: 12-13, **56**: 42, **84**: 28-29, **92**: 26, **132**: 38, **144**: 20
 Illustration **55**: 1, **75**: 5 (Fig 1), **84**: 29 (Fig 1), **132**: 37 (Fig 11), **146**: 59, 60
S. stellariifolium **152**: 49-50, **154**: 103
 Illustration **152**: 50 (Fig 22), **154** (Fig 27)
S. stellatum (see *Phedimus stellatus*) **22**: 19-20, **32**: 17-18, **33**: 4-5, **34**: 23, **35**: 11, **37**: 19, **37**: 24, **38**: 9, **38**: 11, **40**: 14-15, **40**: 18, **41**: 38, **41**: 48, **42**: 52-53, **43**: 8, **43**: 11, **44**: 40, **44**: 43, **45**: 72, **47**: 22, **50**: 76, **50**: 78, **50**: 80-81, **50**: 83, **73**: 53
 Illustration **22**: 20, **33**: 5, **41**: 38
S. stelliforme **38**: 7, **153**: 56-58
 Illustration **127**: 5 (Fig 2), **153**: 56 (Fig 1), **57** (Figs 2-4)
S. stenopetalum **4**: 16, **26**: 6, **29**: 13, **30**: 19, **41**: 43, **55**: 9, **55**: 34
S. stenopetalum subsp. *monanthum* **55**: 9
S. stenopetalum subsp. *radiatum* **41**: 43
S. steudelii **15**: 14, **30**: 20, **72**: 29, **80**: 28-29
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S. 'Stewed Mountain Rhubarb' **36**: 19, **37**: 21
S. stoloniferum **32**: 14, **35**: 11, **38**: 11, **39**: 19, **41**: 43, **44**: 43
S. suaveolens **144**: 9 & 11
S. subcapitatum **4**: 4
S. subulatum (see *Petrosedum subulatum*) **72**: 29-30, **72**: 35, **122**: 99-103, **144**: 4-6, 20, **146**: 60
 Illustration **72**: cover, **122**: 100 (Figs 22a-d)
S. surculosum **35**: 9-10, **38**: 12-13, **149**: 40-42
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S. surculosum var. *fuscum* **38**: 15

S. surculosum var. *luteum* **38**: 15-16, **59**: 4-5
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S. surculosum var. *surculosum* **38**: 15
S. 'Tekaria Dake' **34**: 12
S. 'Takari Dake' **34**: 12 (see *S. 'Tekaria Dake'* **34**: 129)
S. takasui **31**: 15, **47**: 16-18, **47**: 20, **50**: 95-96
S. takesimense (see *Phedimus takesimense*) **19**: 4-7, **37**: 19, **38**: 11, **39**: 19, **46**: 97, **131**: 19,
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S. takesimense 'Atlantis': **133**: 54
S. tamaulipense **42**: 62
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S. tarokoense **152**: 51
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S. tatarinowii (see *Hylotelephium tatarinowii*) **21**: 23, **24**: 19-20, **28**: 6, **29**: 22, **45**: 58, **45**: 66
 x *Sedum populifolium* **24**: 20, **29**: 22
 Illustration (x *Sedum populifolium*) **24**: 21
 x *Sedum sieboldii* **24**: 22
S. tatarinowii 'Sunset Cloud' (see *Hylotelephium tatarinowii* 'Sunset Cloud') **24**: 19, **25**: 28
S. tetractinum **21**: 21-22
S. telephioides (see *Hylotelephium telephioides*) **29**: 13, **37**: 21, **41**: 27, **42**: 69
S. telephium (see *Hylotelephium telephium*) **21**: 11, **22**: 6, **22**: 10, **23**: 13-14, **23**: 19, **24**: 6, **24**: 13, **24**: 19, **25**: 6, **26**: 4, **28**: 7, **29**: 13, **41**: 27, **41**: 48, **43**: 24, **44**: 33, **44**: 43-44, **45**: 66, **46**: 101, **46**: 104-105, **50**: 95
S. telephium subsp. *fabaria* (see *Hylotelephium telephium* subsp. *fabaria* and *Sedum fabaria*) **22**: 6, **38**: 11, **39**: 19, **45**: 66
S. telephium subsp. *fabaria* var. *caucasicum* (see *Hylotelephium telephium* subsp. *maximum* var. *caucasicum*) **46**: 104
S. telephium subsp. *maximum* (see *Hylotelephium telephium* subsp. *maximum*) **25**: 6, **36**: 6, **37**: 4, **38**: 11, **38**: 19, **39**: 5, **40**: 18, **42**: 53, **46**: 101-105, **47**: 24, **48**: 34, **48**: 36,
S. telephium subsp. *maximum* var. *atropupureum* (see *Hylotelephium telephium* subsp. *maximum* var. *atropupureum*) **31**: 18, **40**: 17, **46**: 90
S. telephium subsp. *purpurascens* **22**: 10
S. telephium subsp. *ruprechtii* (see *Hylotelephium telephium* subsp. *ruprechtii*) **37**: 21, **46**: 97, **48**: 38
S. telephium subsp. *telephium* **31**: 18
S. telephium var. *borderi* **24**: 13
S. telephium 'Arthur Branch' (see *Hylotelephium* 'Arthur Branch') **37**: 21
S. telephium 'Autumn Joy' **38**: 11
S. telephium 'Indian Chief' (see *Hylotelephium* 'Indian Chief' and syn. *Hylotelephium* 'Herbstfreude') **13**: 22
S. tenellum **33**: 5, **33**: 15, **37**: 21, **44**: 30, **79**: 15-17
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S. tenuifolium **26**: 12, **27**: 10, **27**: 15, **28**: 17, **47**: 15, **50**: 94
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S. ternatum **9**: 6, **10**: 13, **21**: 19, **31**: 20, **41**: 27, **42**: 69, **55**: 4-10
S. tetractinum **20**: 4-5, **32**: 8, **32**: 11, **37**: 15, **39**: 8, **40**: 18, **46**: 97, **50**: 86, **99**: 7
 Illustration **20**: 1, **99**: 7 (Fig 6)
S. tetramerum (see *Sedum aetnense*) **72**: 32-33, 139: 87
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- S. tortuosum* **20**: 18-23, **22**: 12, **22**: 14, **22**: 16
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- S. torulosum* **22**: 11-13, **29**: 15, **30**: 17, **39**: 22, **55**: 39
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- S. treleasei* **23**: 3, **24**: 4, **29**: 14, **42**: 60, **42**: 72, **87**: 4, **90**: 95, **106**: 82
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- S. triactina* **131**: 24, **154**: 101
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- S. triangulosepalum* **4**: 4
- S. trichromum* **12**: 3-4
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- S. tristriatum* **27**: 9-12, **27**: 12, **27**: 17, **27**: 20-21, **53**: 29-31, **81**: 64,
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- S. trollii* (see *Rhodiola saxifragoides*) **19**: 10-13, **38**: 11
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- S. trullipetalum* **77**: 63
- S. truncatistigmum* **4**: 4
- S. tschernokolevii* **84**: 30, **128**: 36-40
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- S. tsangpotibetanum* (see *Rhodiola tsangpotibetana*)
- S. tsugaruense* **13**: 8-9, **131**: 18
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- S. tuberiferum* **40**: 18, **41**: 43, **52**: 31, **55**: 15-24, **56**: 43-45, **83**: 4-6, **84**: 31, **87**: 19, **91**: 11, **92**: 25-26, **104**: 40-41, **152**: 13
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- S. tuberosum* **32**: 8, **32**: 11, **36**: 7-10, **50**: 79-80, **50**: 83, **51**: 5-8, **110**: 100-101
 Illustration **50**: 83c, **51**: 1, **51**: 5, **55**: 29, **75**: 14 (Fig 16), **110**: 100 (Fig 18)
- S. tymphaeum* **32**: 8, **32**: 11, **33**: 16, **37**: 15, **40**: 18
- Nomenclature **71**: 12
- S. uniflorum* **4**: 4
- S. uniflorum* ssp *oryzifolium* **57**: 61-68
- S. uniflorum* ssp *oryzifolium* var. *pumilum* **77**: 52
- S. uniflorum* ssp *japonicum*
 Illustration **60**: 34
- S. urceolatum* **26**: 12
- S. ursi* **15**: 13, **35**: 6, **35**: 8, **44**: 29, **59**: 7, **108**: 29, **110**: 99-101
 Illustration **15**: 13, **59**: 89-91, **100**: 52 (Figs 18a - b), **108**: cover, **110**: 100 (Fig 19)
- S. urvillei* **15**: 22, **22**: 8, **25**: 24, **38**: 11, **40**: 18, **44**: 28-31, **50**: 86, **56**: 15-24, **56**: 42, **83**: 6, **85**: 61, **86**: 77-78, **91**: 11, **92**: 25-26, **100**: 49-50, **105**: 61, **107**: 16, **108**: 30-33, **111**: 20, **116**: 37-39, **129**: 57-58, **144**: 21, **146**: 60, **148**: 8, 11 -13, **149**: 32, 34, 35, 36, **150**: 52, **152**: 8-12
 Distribution map (Turkey) **100**: 53, **108**: 32 (Fig 10), **111**: 18 (Fig 22), **116**: 39 (Fig 6)
 Illustration **55**: 63, **85**: 63 (Fig 10d), **100**: 49 (Fig 14), **107**: 17 (Fig 20), **108**: 37 (Figs 17a & b), **129**: 58 (Fig 15), **144**: 22 (Fig 17), **148**: 10 (Fig 11), 13 (Fig 17), **149**: 33 (Fig 7), **152**: 8 (Figs 8 – 8), 10 (Figs 10 – 12 [or *S. apoleipon*]), 11 (Figs 14, 14),
S. urvillei subsp. *hillebrandtii* **22**: 10

- S. ussuriense* **25**: 6, *ussuriense* 'Chuwangsan' **131**: 15-21
S. ussuriense var. *ochrantherum* **131**: 18
S. valerianoides **26**: 3
S. variicolor **127**: 23
S. 'Vera Higgins' **8**: 8
S. 'Vera Jameson' (see *Hylotelephium* 'Vera Jameson') **21**: 23, **25**: 7
S. verlotii (see *Petrosedum ochroleucum*) **50**: 85
S. vermiculifolium **15**: 9
 Illustration **15**: 9
S. versadense
 Illustration **103**: cover
S. versadense var. *versadense* **103**: 5-6, **136**: 13-16 (incl. *chotalense*)
 Illustration **103**: 5 (Fig 2), **103**: 6 (Fig 4), **136**: 14 (Fig 12)
S. versadense var. *villadioides* **103**: 4-6, **136**: 13-16
 Illustration **103**: 4 (Figs 1a-c), **103**: 5 (Fig 3)
S. versicolor **35**: 9-10
S. verticillatum **4**: 9, **25**: 7
S. villosum **9**: 19, **21**: 6-9, **25**: 4, **30**: 10, **32**: 13, **37**: 5, **39**: 5, **39**: 19-21, **43**: 12-17, **44**: 40, **44**: 45, **45**: 72, **46**: 88, **47**: 15, **49**: 66, **50**: 81, **51**: 9, **52**: 46, **55**: 9, **97**: 59, **112**: 32, 134: 83, **140**: 21-23, **146**: 73
 Illustration **22**: 9, **39**: centerfold, **43**: 12c, **140**: 21-23 (Figs 36-39), **146**: 72 (Fig 22)
 Illustration (postcard) **107**: 23
S. villosum subsp. *aristatum* (see *S. maireanum*) **21**: 6, **44**: 40, **129**: 52
S. villosum subsp. *campanulatum* **21**: 6-7, **44**: 40
S. viride **13**: 3-4
 Illustration **13**: 1, **13**: 4
S. viridescens **25**: 6, **38**: 11
S. viviparum **4**: 8
S. vulgare **22**: 10
S. vuralianum **26**: 9, **29**: 19-21, **30**: 20, **31**: 23, **33**: 5, **33**: 16, **37**: 21
 Illustration **29**: 20
S. wallichianum (see *Rhodiola wallichiana*) **11**: 22
S. weinbergii **34**: 13
S. wettsteinii **44**: 32
S. 'Whetstone' **49**: 66
 Illustration **31**: 12c, **31**: 13
S. 'White Diamond Stonecrop' (see *Rhodiola pachyclados*)
S. wilczekianum **32**: 8-13
 Description **97**: 52-53
 Illustration **97**: 53 (Fig 6)
S. willisii **29**: 14
S. willkommianum **44**: 40
 Illustration (inflorescence) **97**: 52 (Fig 5)
 Illustration (inflorescence) **97**: 52 (Fig 5)
S. woodii **29**: 14
S. wootonii **29**: 3
S. 'Wray's Rogue' **104**: 32-33
 Illustration **104**: 32 (Fig 1)
 Illustration (inflorescence) **104**: 33 (Fig 3)
 Illustration (leaves) **104**: 33 (Fig 2)
S. wrightii **25**: 26, **38**: 7-8, **41**: 43, **42**: 64, **43**: 20, **55**: 9, **98**: 77-79, **123**: 21-22, **143**: 88
 Illustration **98**: 78 (Fig 11), **98**: 79 (Figs 12 & 13)

S. wrightii subsp. *densiflorum* **14**: 20-21, **55**: 9
 Illustration **20**: 21
S. wrightii subsp. *priscum* **55**: 9
S. x battandieri **100**: 55
 Illustration **100**: 55 (Figs 22 & 23)
S. x brevieri **39**: 6
S. x füreri **136**: 11-13
 Illustration **136**: 13 (Fig 11)
S. x luteolum **38**: 10
S. x luteoviride **42**: 59, **46**: 96, **132**: 31,
 Illustration **91**: 8 (Fig 5), **132**: 31,
S. x praegeri **131**: 22-23 (Figs 24 & 25)
S. x rubrotinctum **32**: 21, **38**: 7-8, **38**: 11, **109**: 76-77, **142**: 61
S. x rubrotinctum 'Aurora' **109**: 76
 Illustration (chimera) **109**: 76 (Figs 32a & b)
S. yabeanum **39**: 19 (see *Sedum polytrichoides*)
S. yezoense **47**: 18
S. yosemitense **29**: 14
S. yunnanense (see *Sinocrassula yunnanense*) **26**: 3, **28**: 23
 Illustration **26**: 1, **26**: 5
S. zentaro-tashiroi **38**: 10, **137**: 31
S. zlatiborensis (see *S. annuum*) **44**: 32, **129**: 58
 Illustration **129**: 59 (Fig 18)

Sempervivum

134: 96- 104,
S. arachnoideum **57**: 58, **58**: 100, **59**: 15-22, **79**: 13-14, **110**: 93-94, **122**: 84-
 85, **133**: 54, 56
 Illustration **79**: 14 (Figs 10 & 11), **101**: 67 (Fig 7), **110**: 93 (Fig 11), **122**: 85 (Fig 6),
 133: 56 (Figs 2a, b), 57 (Figs 3 & 4)
S. armenum **79**: 16-17, **91**: 9
 Illustration **79**: (Figs 17 & 18), **91**: 9 (Fig 6)
S. calcareum **101**: 69, **138**: 73-74
 Illustration **138**: 73 (Fig 18), 74 (Figs 19 & 20)
S. ciliosum **83**: 5, **92**: 24-25
 Illustration **83**: cover, **83**: 5 (Fig 2)
S. ciliosum var. *galicicum*
 Illustration **92**: 24 (Fig 2)
S. davisii **71**: 9, **79**: 4
 Illustration **79**: 6 (Fig 3)
S. dolomiticum **87**: 16
S. furseorum **79**: 4-5
 Illustration **79**: 5 (Fig 1)
S. gillianii **115**: 19-21
 Illustration **115**: 20 (Figs 27a - c), **115**: 21 (Figs 28a & b)
S. glabrifolium **71**: 9
S. globiferum subsp. *lagarinianum* (see *Jovibarba globifera* subsp. *lagariniana*)
S. 'Green Ice' **134**: 96, 100
S. heuffelii (see *Jovibarba heuffelii*)
S. kindingeri **52**: 31

- S. klepa* **92**: 26
- S. leucanthum* **85**: 60, **145**: 34
Illustration **85**: 68 (Fig 12d)
- S. marmoreum*
Illustration **148**: cover
- S. marmoreum* subsp. *erythraeum* **83**: 5-6, **85**: 60-64, **119**: 12-13, **129**: 58, **144**: 21
Illustration **83**: 5 (Figs 4 & 5), **83**: 6 (Fig 6), **85**: 64 (Fig 11), **119**: 13 (Figs 9 & 10)
Illustration (variable) **129**: 60 (Figs 20a-c)
- S. minus* **59**: 10
- S. monanthes* **85**: 53-55
Illustration **85**: 53 (Fig 2)
- S. montanum* **58**: 100, **59**: 15-22, **122**: 87, **133**: 54, 56
Illustration **85**: 68 (Fig 12a), **122**: 87 (Fig 9), **122**: 89 (Fig 11), **133**: Front cover,
- S. montanum* var. *montanum* **74**: 93-95
- S. montanum* var. *burnatii* **74**: 94-95
- S. ruthenicum* **85**: 61
- S. spec.* near *Elesnica*, Bulgaria **145**: 33-34
Illustration **145**: 33 (Figs 9 & 10), 34 (fig 11)
- S. staintonii* **71**: 10
- S. tectorum* **58**: 100, **59**: 15-22, **95**: 5, **101**: 67-69, **109**: 65, **121**: 76, **122**: 86-87, **133**: 54, 56
Illustration **95**: 5 (Fig 2), **122**: 87 (Fig 8), **133**: 56 (Figs 1a,b),
- S. tectorum* var. *arvernense* **97**: 62-63, **102**: 100-101
Illustration **97**: 63 (Figs 20 & 21), **102**: 101 (Fig 12)
- S. 'Whetstone'* **31**: 11
- S. zeleborii* **85**: 61, **145**: 33
- S. x funckii* **146**: 57-59
Illustration **146**: 57 (Fig 2), 58 (Fig 3), 59 (Fig 4)

Senecio

- S. kleinia* **109**: 57-58

Sinocrassula

- S. densirosulata* **127**: 14-20
Illustration (inflorescence) **127**: 20 (Fig 19)
Illustration (leaf markings) **127**: 19 (Fig 18)
- S. indica*
Illustration **125**: 69 (Fig 31), **148**: 4 (Fig 2)
- S. paoshingensis* var. *spinulosa* **113**: 79-84
Illustration **113**: 79-84 (Figs 36-46)
- S. yunnanensis* (see *Sedum yunnanense*) **49**: 56, **94**: 72-73
Illustration **94**: cover,
Illustration (inflorescence) **94**: 72 (Fig 1)
New combinations in *Sinocrassula* **133**: 77 -79

Stylophyllum

150: 68
Illustration **150:** 68 (Fig 36)

Tacitus

T. bellus **104:** 45, **112:** 52-53, **139:** 94, 96
Illustration (Postage stamp) **112:** 52-53 (Figs 35 & 36)

Telmissa

T. microcarpa (see *Sedum microcarpum*)

Tetrorum

150: 68
Illustration **150:** 68 (Fig 37)

Thompsonella

T. minutiflora **73:** 67-68

Tillaea

150: 69
T. helmsii **77:** 55
Illustration **39:** 20
T. muscosa (see *Crassula tillaea*) **42:** 53, **50:** 82, **80:** 44-54, **115:** 6
Illustration **50:** 82, **80:** 45 (Fig 15), **80:** 51 (Fig 18), **80:** 52 (Fig 20), **115:** 6 (Fig 7),
118: 88 (Figs 4 & 5)
T. recurva **49:** 60
Illustration **49:** 60c

Tilleastrum

150: 69

Tylecodon

T. aridimontanus **118:** 98
Illustration **118:** 98 (Fig 17)
T. atropurpureus
Illustration **89:** 66 (Fig 14)
T. bayeri **122:** 105-106
Illustration **122:** 105 (Figs 25-27), **122:** 106 (Fig 28)
T. bleckiae **108:** 27

- Illustration **107**: 10 (Fig 9)
- T. bodleyae* **89**: 65
- Illustration **89**: 66 (Fig 15)
- T. buchholzianus* var. *fasciculatus* **89**: 65
- Illustration **89**: 67 (Fig 16)
- T. cacalioides* **89**: 65
- T. cordiformis* **127**: 21-23
- Illustration **127**: 21 (Fig 20), **127**: 22 (Figs 21 & 22)
- T. decipiens* **124**: 28-29
- Illustration **124**: 28 (Figs 7 & 8)
- T. grandiflorus* **89**: 61
- T. hallii* **89**: 61
- Illustration **89**: 64 (Fig 11), **135**: 131 (Fig 28)
- T. longipes* **128**: 35-36
- Illustration **128**: 35 (Fig 12), **128**: 36 (Fig 13)
- T. nigricaulis* **89**: 65
- T. nolteei* **89**: 65
- T. occultans* **89**: 65
- T. paniculatus* **89**: 61, **120**: 29-31
- Illustration **89**: 62 (Fig 9), **120**: 31 (Fig 9)
- T. peculiaris* **89**: 65
- T. pygmaeus* **89**: 65
- T. racemosus*
- Illustration **89**: 67 (Figs 17a & b)
- T. reticulatus* **89**: 65
- Illustration **89**: 65 (Fig 13)
- T. rubrovenosus* **89**: 63
- Illustration **89**: 63 (Fig 10)
- T. schaeferianus* **89**: 61, **108**: 27, **118**: 96-98, **119**: 18-19
- Illustration **118**: 96-97 (Figs 14a, b, 15 & 16), **119**: 18-19 (Figs 17-19)
- T. singularis* **89**: 65, **114**: 109-111
- Illustration (leaf) **114**: 110 (Fig 20)
- T. sulphureus* **142**: 53-54
- Illustration **142**: 53-54 (Figs 2 & 3)
- T. sulphureus* var. *arminanus* **89**: 65
- T. ventricosus* **89**: 65
- Illustration **89**: 65 (Fig 12)
- T. wallichii* subsp. *ecklonianus* **120**: 29
- Illustration **120**: 29 (Fig 6)

Umbilicus

- U. sp.* **45**: 72, **46**: 89, **47**: 3, **50**: 82
- U. albido-opacus* **111**: 21-23
- Illustration **111**: 21 (Fig 27), **111**: 22 (Fig 28)
- Illustration (Habitat) **111**: 23 (Fig 29 & 30)
- U. erectus* **52**: 39, **59**: 15-22, **78**: 90
- U. gaditanus* **44**: 41-42, **46**: 89, **46**: 94
- U. giganteus* **44**: 42
- U. heylandianus* **44**: 41-42, **94**: 94
- Illustration **94**: 92 (Fig 21), **94**: 93 (Figs 22 & 23)

U. horizontalis **42**: 52-53, **44**: 41-42, **46**: 89, **52**: 52, **56**: 46, **73**: 54, **73**: 56, **98**: 87, **99**: 11, **123**: 14-15, **132**: 36, **154**: 95-96
 Distribution map (Turkey) **111**: 18 (Fig 22)
 Illustration **99**: 11 (Fig 13), (Morocco) **123**: 14 (Fig 19), (Kefalonia) **132**: 37 (Fig 10a), **148**: 17 (Fig 24)
U. horizontalis subsp. *intermedius* **44**: 42
U. luteus **52**: 40
U. oppositifolius 'Jim's Pride' **109**: 77, **139**: 78
 Illustration **109**: 77 (Fig 34), **139**: 78 (Fig. a)
U. parviflorus **52**: 40, **107**: 16-18
 Illustration **107**: 17 (Fig 21)
U. pendulinus **18**: 14
U. rupestris **42**: 52-53, **44**: 41-42, **46**: 89, **47**: 15, **78**: 90-92, **94**: 93-94, **97**: 62, **99**: 10, **111**: 5, **127**: 8, **132**: 41, **144**: 7, 23, **145**: 37, **146**: 68, **152**: 2
 Illustration **78**: 91 (Fig 9), **78**: 92 (Fig 10), (Postage Stamp) **92**: 36 (Fig 17)
97: 62 (Fig 19), **132**: 37 (Fig 10b), **144**: 7 (Fig 3), **155**: 125 (Fig 18)

Urbinia

150: 69
 Illustration **150**: 69 (Fig 38)

Villadia

150: 69
V. sp. **42**: 61, **42**: 63, **42**: 66-67, **46**: 107
 Illustration **76**: 38 (Fig 11)
V. batesii **41**: 46-47, **46**: 107
V. cucullata
 Illustration **75**: 22 (Fig 26)
V. cucullata subsp. *apiculata* **125**: 52-53
 Illustration **125**: 52 (Figs 1&2), **125**: 53 (Figs 3-5)
V. elongata **46**: 107
V. guatemalensis
 Illustration **149**: 44 (Fig 26),
V. imbricata
 Illustration **73**: 70 (Fig 7), **149**: 45 (Fig 27)
V. longuetae **143**: 88
V. parviflora **73**: 67-68
V. porphyrantha **143**: 89
V. ramosissima **42**: 60, **42**: 67
 Illustration **42**: 49, **42**: 51, **42**: 60
V. recurva **143**: 88
V. squamulosa **73**: 64, **93**: 59
 Illustration **93**: 59 (Fig 9), 60-61 (Figs 12 & 13)
V. virgata **83**: 21-23 (Description)
 Illustration **83**: 22 (Figs 13a-c), **155**: 118 (Fig 9), 119 (Figs 10a & 10b)

x *Cremneria*

C. 'Sempervivoides' **89**: 60
x C. 'Pruinosa' **108**: 40-42
 Illustration **108**: 41 (Fig 19b & 20a)

x *Aeonichryson*

126: 96, 134: 96
x *A. aizoides* **126**: 96

x *Aeoniogreenovia* 126: 96

x *Bryokalanchoe* 126: 96

x *Cremnadia* 126: 96

x *Cremnopetalum*

126: 96
x C. 'Fred Wass' **78**: 95-97
 Illustration **78**: 95 (Figs 11 and 12), **78**: 96 (Figs 13 & 14)

x *Cremnophytum* 144: 7

x *Cremnosedum*

126: 96
x C. 'Crocodile' **87**: 4, 87: 6
x C. 'First Foundling'
 Description **87**: 4-6
 Illustration **87**: 4 (Fig 1), **87**: 5 (Figs 1b & 1c)
x C. 'Little Gem' **87**: 6
 Illustration **101**: 75 (Fig 19)
x C. 'Pearson Surprise'
 Description **86**: 82-83
 Illustration **86**: 82 (Fig 6a & 6b)

x *Cremnovelum*

x C. 'Corso' **154**: 84-85
Illustration **154**: 84 (Fig 1), 85 (Figs 2a,b,c)

x *Cremsonella* 126: 96

x *Dudleveria*

126: 96
x *D. spiralis* **126:** 96

x *Dudledon* **126:** 96

x *Echenesia* **126:** 96

x *Echepetalum* **126:** 96

x *Echephytum* **126:** 96

x *Echesula* **126:** 97

x *Grapsonella* **126:** 97

x *Graptoladia* **126:** 97

x *Graptophyria* **123:** 17, **126:** 97

x *Graptosedum*

x G. **126:** 97

x G. sp. Description **91:** 5
Illustration **91:** 4 (Fig 1, 2 & insert)

x G. 'Blue Giant' **90:** 94-95
Illustration **90:** 94 (Fig 14), **90:** 95 (Fig 15)

x G. 'California Sunset'
Description **58:** 92, **58:** 98-99
Illustration **58:** 84-85

x G. 'Daruma Shu-rei' **148:** 20-22
Illustration **148:** 20 (Fig 27), 21 (Figs 28 & 29), 22 (Figs 30 & 31)

x G. 'Francesco Baldi' **19:** 18-19, **134:** 83, **144:** 3
Illustration **19:** 19, **32:** 21, **75:** 9 (Fig 7), **106:** 83, **111:** cover, 2 (Fig 8), **144:** 2 (Fig a)

x G. 'Gerhard Koehres' **144:** 8-11
Illustration **144:** 8 (Fig 4), 10 (Fig 6 wrongly captioned as *S. sinforosanum*)

x G. 'Ghosty' **88:** 46

x G. 'Mediterranean Mystery'
Description **86:** 85-87
Illustration **86:** 86 (Fig 11a, b, c & d)

x *Graptovedum* **123:** 17, **126:** 97

x *Graptoveria*

126: 97

x G. 'A Grim One' **83:** 23,

Description **87**: 6-7, **87**: 7 (Fig 3)
 Illustration **87**: 6 (Fig 2)
 Illustration (inflorescence) **87**: 7 (Fig 2)
 x G. 'Acaulis' **89**: 58-61
 Illustration **60**: 103
 x G. 'Caerulescens' **89**: 60
 x G. 'Calva' **89**: 60-61
 x G. 'Debbi' **88**: 46
 Description **59**: 14
 Illustration **59**: 94-95
 x G. 'Fanfare' **71**: 14-17
 Illustration **71**: 14 (Fig10) see x *Sedeveria* 'Fanfare'
 x G. 'Gloria' **122**: 106-107
 Illustration **122**: 106 (Fig 29)
 Illustration (inflorescence) **122**: 107 (Fig 30)
 x G. 'Haworthioides' **89**: 59
 x G. 'Kew Marble' **42**: 60, **43**: 3
 Illustration **42**: **60**
 x G. 'Longicaulis' **89**: 59
 x G. 'Opalina'
 Illustration **44**: 37-38
 x G. 'Pik-Ruz' **59**: 20, **60**: 102, **60**: 104
 Description **60**: 45-46

x *Greenonium* 134: 96

x *Hasseleya* 126: 97

x *Hylostachys* 121: 62, 126: 97

x *H.* 'Blue Elf' (see *Hylotelephium* 'Blue Elf') **124**: 32-34

x *Jovivum* 126: 97

x *Kalorochea* 126: 98

x *Lenaptopetalum* 126: 98

x *Lenaptophyllum* 126: 98

x *Lengraptophyllum* 126: 98

x *Lenophytum* 126:98

x *Lenoveria*

126: 98

x *L.* 'Ajax'

Description **90**: 89-92
Illustration **90**: 90 (Figs 11a-c)

x *Moranara* 123:17, 126: 98

x *Pachyvedum* 126: 98

x *Pachyladia* 126: 98

x *Pachyrantia* 126: 98

x *Pachysedum* 126: 98

x *Pachyveria*

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x *Pachyveria* 'Albomucronata' 89: 58

x *Pachyveria* 'Calypso' 88: 44-46

Illustration **88**: 45 (Figs 17a & b)

x *Pachyveria* 'Clavifolia' 83: 8-9, 86: 87-90, 89: 59

Description **86**: 88-90

Illustration **83**: 10 (Fig 8b), **86**: 89 (Fig 13), **86**: 89 (Fig12a & 12b)

x *Pachyveria* 'Debbie Reinelt' 88: 46

x *Pachyveria* 'Elaine' 88: 46

Illustration **91**: 18 (Fig 11)

x *Pachyveria* 'Elaine Reinelt' 88: 46

x *Pachyveria* 'Debbie Reinholdt' 88: 46

x *Pachyveria* 'Glaucia' 84: 43-44, 89: 59

Description **84**: 43-44

Illustration **84**: 43 (Fig 12), **84**: 44 (Fig 13)

x *Pachyveria* 'Glossoides' 89: 59

Description **83**: 7-10

Illustration **83**: 10 (Fig 8a)

x *Pachyveria* 'Muelleri'

Description **86**: 83-85

Illustration **86**: (Fig 10a, b & c)

x *Pachyveria* 'Paradoxa' 89: 59

x *Purgobulea* 126: 98

x *Rocheassula* 126: 98

x *Sedadia* 126: 98

x *Sedeveria*

46: 96, 126: 99

x *Sedeveria* 'Blue Giant' 99: 18

- x *Sedeveria* 'Blue Lotus' **144**: 9-10
- x *Sedeveria* 'Colossal' **99**: 18
- x *Sedeveria* 'Darley Dale' **99**: 18
 - Description **87**: 26-27
 - Illustration **87**: 27 (Figs 19-21)
- x *Sedeveria* 'Doinet' **99**: 18
- x *Sedeveria* 'El Aquinet' **99**: 18
- x *Sedeveria* 'Fanfare' **92**: 23, **92**: 27, **99**: 18
 - Illustration **92**: 27 (Fig 5), **99**: 22 (Fig 24)
- x *Sedeveria* 'Green Rose' **99**: 18
- x *Sedeveria* 'Harry Butterfield' **99**: 19
 - Illustration **99**: 23 (Fig 26)
- x *Sedeveria* 'Jet Beads' **49**: 60, **99**: 19, **105**: 72-73
 - Illustration **105**: 72 (Fig 15)
 - Illustration (inflorescence) **105**: 73 (Fig 16)
- x *Sedeveria* 'Letizia' **76**: 28-29, **99**: 19
 - Illustration **76**: 28 (Fig 1), **76**: 29 (Fig 2 & 3)
- x *Sedeveria* 'Liège Commixion' **33**: 23, **99**: 19
 - Illustration : **33** (centrefold)
- x *Sedeveria* 'Maialen' **99**: 19
 - Illustration **99**: 22 (Figs 22a-c)
- x *Sedeveria* 'Morganden' **99**: 19
- x *Sedeveria* 'Pink Beauty' **99**: 20
- x *Sedeveria* 'Pudgy' **99**: 20
 - Illustration **99**: 21 (Figs 21 & insert)
- x *Sedeveria* 'Robert Grimm' see S. 'Robert Grimm'
- x *Sedeveria* 'Sehare' **144**: 11
- x *Sedeveria* 'Soft Rime' **99**: 20
 - Illustration **99**: 23 (Fig 26)
- x *Sedeveria* 'Southern Belle' **99**: 20
- x *Sedeveria* 'Spring Jade' **99**: 20
- x *Sedeveria* 'Whitestonecrop' **29**: 3, **99**: 20
 - Illustration **30**: 1, **70**: 87 (fig 6), **99**: 23 (Fig 25)
- x *Sedeveria* 'Wirral' **99**: 21
- x *Sedeveria* 'Yellow Humbert' **99**: 21

x Sedoro 126: 99

x Sedurbinia 126: 99

x Semponium

143: 96-104

- x *Semponium* 'Sienna' **134**: 96-104, **135** (Fig 21)
- x *Semponium* 'Destiny' **134**: 100, **135** (Fig 20), 155: 121-122
 - Illustration **155**: 121 (Figs 13 & 14), 122 (Fig 15)
- x *Semponium* 'Diamond' **134**: 100
- x *Semponium* 'Little Devil' **134**: 100

x *Semponium* 'Ice Warrior' **135**: 124 (Fig 23)

x *Setophytum* 144: 7

x *Tacipetalum*

126: 99, **139**: 96 ('Superstar')

x *Taciphytum* 126: 99

x *Tacisedum*

(correction **123**: 3), **126**: 99
Illustration **122**: 107 (Fig 31)
x *T.* 'Heswall' **144**: 11

x *Taciveria*

126: 99, **139**: 94-97
x *Taciveria* 'Ruth Bancroft' **104**: 44-45
Illustration **104**: 44 (Fig 19), **104**: 45 (Fig 20)
T. bellus x *E. agavoides* 'Ebony'
Illustration **139**: 96 (Fig 28)

x *Thompsophytum* 126: 99

x *Thompsosedum* 126: 99

x *Thompsoveria* 126: 99

x *Urbiphytum* 126: 99

x *Urbiphytum albomuconatum* (see x *Pachyveria* 'Albomucronata')

x *Villeveria* 126: 99

