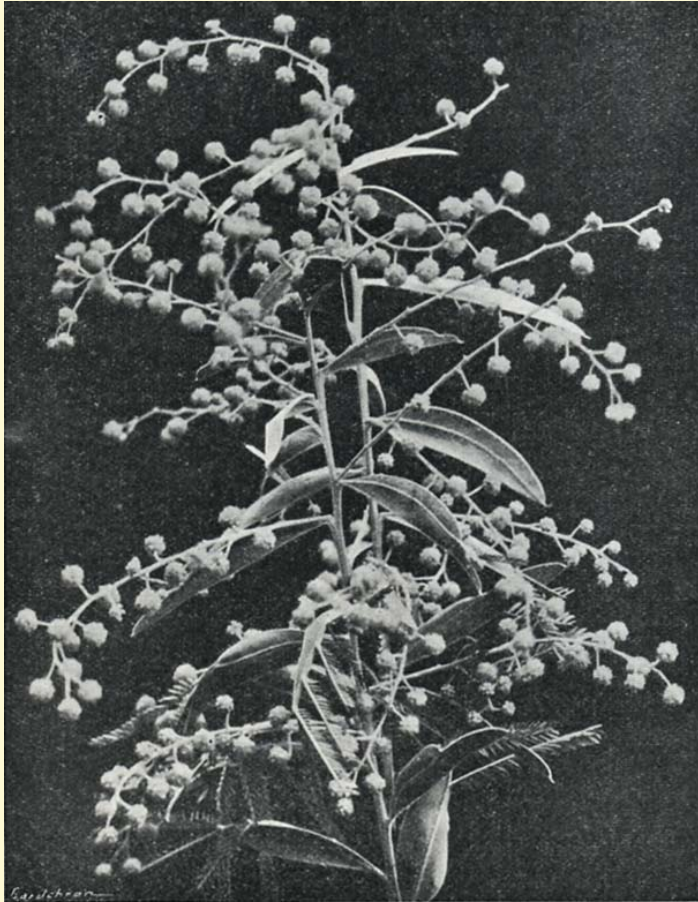


Hanburyana

Notes from the Royal Horticultural Society Botany Department



VOLUME THREE



JUNE 2008

Cover illustration:

Acacia × hanburyana

Award of Merit 25 January 1927
(as *Acacia Hanburyana*)

Shown by Cecil Hanbury, Esq., La Mortola

“A seedling *Acacia* was discovered by Mr. Joseph Benbow when he was in charge of La Mortola Gardens, growing in near proximity to bushes of *A. Baileyana* and *A. podalyriaefolia*, and there seems little doubt but that *A. Hanburyana* is the result of a natural cross between these two species. It makes a tree fully twenty feet high. The silvery phyllodes bear short leaflets similar to those of *A. Baileyana* and the round clusters of bright canary-yellow flowers are borne on pendulous spikes.”

Gardeners' Chronicle, ser.3, 81: 89, 95 (1927)

Hanburyana

Volume Three

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New names in *Persicaria virginiana*

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c/o Botany Department, RHS Garden Wisley

In recent years several *Persicaria* collections from China and Japan have come into cultivation and appropriate combinations and cultivar names are here provided.

The occurrence of *Persicaria virginiana* in both eastern North America and eastern Asia provides an interesting example of the floristic relationship between the two areas that has been the subject of many publications, that by Li (1952) being particularly comprehensive. There has been considerable diversity of opinion as to the rank at which these disjunct populations merit recognition which, along with the equally diverse opinions over how *Polygonum* L. should be split generically, has led to a large number of botanical names being proposed. Now that *Persicaria* Mill. has gained wide acceptance and has been adopted for the *RHS Plant Finder*, it was noticed that no combination has been provided at varietal rank under *Persicaria* for the Asiatic plant in cultivation. Consequently the following new combination is made:

***Persicaria virginiana* var. *filiformis* (Thunb.) J.M.H. Shaw comb. nov.**

Basionym: *Polygonum filiforme* Thunb., *Fl. Jap.*: 163 (1784).

Synonyms:

Sunania filiformis (Thunb.) Raf., *Fl. Tellur.* 3: 95 (1837).

Polygonum virginianum var. *filiforme* (Thunb.) Nakai, *Bot. Mag. (Tokyo)* 27: 380 (1909).

Persicaria filiformis (Thunb.) Nakai, *Fl. Quelpart Is.*: 41 (1914).

Tovara filiformis (Thunb.) Nakai, *Rigakki* 29(4): 8 (1926).

Tovara virginiana var. *filiformis* (Thunb.) Steward, *Cont. Gray Herb.* 88: 14 (1930).

- Tovara smaragdina* Nakai ex Maekawa, *Bot. Mag. (Tokyo)* **46**: 585 (1932).
- Tovara ryukyuensis* Masamune in *Trans. Nat. Hist. Soc. Formosa* **29**: 60 (1939).
- Polygonum filiforme* Thunb. var. *smaragdinum* (Nakai ex Maekawa) Ohwi, *Bull. Natl. Sci. Mus., Tokyo.* **33**: 70 (1953).
- Antenoron filiforme* (Thunb.) Roberty & Vautier, *Boissiera* **10**: 35 (1964).
- Antenoron filiforme* (Thunb.) Roberty & Vautier f. *smaragdinum* (Nakai ex Maekawa) H. Hara, *J. Jap. Bot.* **40**: 192 (1965).
- Persicaria virginiana* 'Filiformis' Anon. in *RHS Plant Finder 2002–2003* (Lord *et al.*, 2002).

The recent *Flora of Japan* (Iwatsuki *et al.*, **2A**: 159 (2006)) notes that while many authors include *Persicaria neofiliformis* (Nakai) Ohki as a synonym of *P. virginiana* var. *filiformis* at various ranks, studies of morphological characters (Park *et al.*, 1992) and flavonoid patterns (Mun & Park, 1995) show its distinctness. Consequently it is excluded from the above synonymy.

Cultivars of var. *filiformis*

'Batwings' (orthography as in *RHS Plant Finder 2008–2009*; some other sources: 'Bat Wings'). Newly offered in 2007. The dark chevron marking on each leaf has a rather irregular lower edge reminiscent of the silhouette of a bat's wings. Very similar to 'Lance Corporal', but apparently differing by a more lanceolate leaf apex and contrasting dark chevron and slightly paler green background. Illustration: *Gardening Which* p.7 (June 2007).

Compton's Form. Not an acceptable cultivar epithet (*ICNCP Art. 19.19*, 2004): see 'Compton's Red'.

'Compton's Red'. A clone that was collected in China from the wild by Dr James Compton has become distributed under the name Compton's Form. The collection details are: CDR 549 collected as

unidentified *Polygonum* sp. by J. Compton, J. d'Arcy and E.M. Rix, 3 May 1989. China, Sichuan Prov. 30km south-east of Baoxing between Qionglai and Baoxing, growing on roadside bank with *Iris confusa*, alt. c. 1200m, wet area on metamorphic rocky soil.

It is distinguished by its leaves in which the dark red chevron marking is enlarged to occupy most of the leaf, leaving only a small green arrow shape at the base of the leaf. It requires an acceptable cultivar name. Consequently, after consultation with Dr Compton, the name *Persicaria virginiana* var. *filiformis* '**Compton's Red**' is here established.

'Lance Corporal' presumably named for the chevron-shaped dark reddish-brown stripe that runs across the centre of each leaf. The lower margin of the stripe is very irregular. Very similar to 'Batwings', but differing by slightly more ovate leaves and a less strongly contrasting chevron. A standard specimen has been deposited in the RHS herbarium (**WSY**). Several nurseries in the USA offer a plant under this name, but pictures on the Internet show a plant with paler green ovate leaves that may belong to var. *virginiana*. In addition there is an unnamed clone offered by several UK nurseries that is very similar to both 'Batwings' and 'Lance Corporal'; a voucher specimen from a plant obtained from Long Acre Plants has been deposited at **WSY**.

'Moorland Moss' A clone selected and named by Jennifer Matthews of Moorland Cottage Plants for its pale mossy green leaves each with a paler reddish chevron mark.

Cultivars of var. *filiformis*: Variegated Group

This group contains plants with variegated foliage. Plants in this group tend to be less hardy.

'Aureo-variegatum'. An early selection; see *JRHS* **27**: 22 (1902).

'Painter's Palette'. Leaves variegated with gold, with the central chevron rather irregular of pale pink-brown. Illustration: Brickell, *RHS A-Z encyclopedia of garden plants* 2: 793 (2003).

'Variegata' ('Variegatum' when referred to *Polygonum*). Long-cultivated clone with broad leaves with ivory and primrose-yellow variegation, lacking the dark chevron mark on the leaves. Awarded FCC/RHS Salter, 1865. Illustration: Hirose & Yokoi 1998: 203.

Terra Nova Nurseries (USA) offer a selection from this cultivar which they label 'Variegata' Terra Nova Strain. If this really is distinct it requires a new cultivar name, omitting the word "strain" to comply with ICNCP Art. 19.21 (2004).

A plant with white flowers is cultivated in gardens in Japan, and appears to be the plant available in the UK under the designation "white-flowered" (*RHS Plant Finder 2007–2008*: 561). This plant has been described botanically in Japan, and once again a combination under *Persicaria virginiana* is required:

***Persicaria virginiana* var. *filiformis* f. *albiflora* (Hiyama ex Makino)**

J.M.H. Shaw comb. nov.

Basionym: *Tovara filiformis* (Thunb.) Nakai f. *albiflora* Hiyama ex Makino, *J. Jap. Bot.* 17: 319 (1941).

Synonyms:

[*Polygonum filiforme* Thunb. f. *albiflorum* Makino, Makino's *Illustr. Fl. Jap.* 626, sub f. 1876 (1940), *nom. nud.*, without Latin diag.]

Antenoron filiforme (Thunb.) Roberty & Vautier f. *albiflorum* (Hiyama ex Makino) H. Hara, *J. Jap. Bot.* 40: 192 (1965).

Persicaria filiformis (Thunb.) Nakai ex W.T. Lee f. *albiflora* (Hiyama ex Makino) Yonek., in *Watsuki et al.*, *Fl. Jap.* 2A: 158 (2006).

A colour form of var. *virginiana*

A further plant with red or bright pink fruiting calyx is known from Ohio, North America. However a combination does not yet appear to be available under *Persicaria* and is here provided:

***Persicaria virginiana* var. *virginiana* f. *rubra* (Moldenke) J.M.H. Shaw comb. nov.**

Basionym: *Tovara virginiana* var. *rubra* Moldenke, *Boissiera* **7**: 4 (1943).

Synonyms:

Sunania virginiana f. *rubra* (Moldenke) H. Hara, *J. Jap. Bot.* **37**: 330 (1962).

Antenoron virginianum (L.) Roberty & Vautier f. *rubrum* (Moldenke) H. Hara, *J. Jap. Bot.* **40**: 32 (1965).

Key to cultivated forms of *Persicaria virginiana*

- 1a. Leaves ovate, acute to rounded, not attenuate at base; lateral veins 7–9 pairs; flowers green to white, rarely pink to red. North America 2
- 1b. Leaves obovate, base acute to cuneate, attenuate; lateral veins 7–13 pairs; flowers red rarely white. Eastern Asia 3
- 2a. Flowers green to white..... var. ***virginiana* f. *virginiana***
- 2b. Flowers pink to red var. ***virginiana* f. *rubra***
- 3a. Leaves with dense long hairs.....var. ***kachina****
- 3b. Leaves with scattered short hairs 4
- 4a. Flowers redvar. ***filiformis* f. *filiformis***
- 4b. Flowers white.....var. ***filiformis* f. *albiflora***

* var. *kachina* is presently not known to be in cultivation. It also requires a new combination:

***Persicaria virginiana* var. *kachina* (Nieuwl.) J.M.H. Shaw comb. nov.**

Basionym: *Tovara virginiana* (L.) Raf. var. *kachina* Nieuwl., *Am. Midl. Nat.* **2**: 182 (1912).

Synonym: *Antenoron filiforme* var. *kachinum* (Nieuwl.) Hara, *J. Jap. Bot.* **40** (6): 192 (1965).

Key to cultivars of var. *filiformis*

- 1a. Leaves variegated 2
- 1b. Leaves not variegated, all green or with a dark red to brown chevron stripe 3
- 2a. Chevron marking entirely absent '**Variegata**'
- 2b. Chevron present as pale pinky-brown fragmented zone.. '**Painter's Palette**'
- 3a. Chevron red, enlarged to occupy upper $\frac{3}{4}$ of leaf..... '**Compton's Red**'
- 3b. Chevron dark brown, restricted to midway along leaf, margins irregular4
- 4a. Leaves light green, with pale red-brown chevron '**Moorland Moss**'
- 4b. Leaves dark green, with dark red-brown chevron '**Lance Corporal**', '**Batwings**'

Colour morphs and geography

Interestingly, the geographical distribution of pigmentation in *P. virginiana* is the same as that found in *Podophyllum* (*Berberidaceae*). Both the American taxa *Podophyllum peltatum* and *Persicaria virginiana* var. *virginiana* commonly exhibit white flowers. In both of these, pink- and red-flowered variants are known to rarely occur and have been named. In eastern Asia both *Persicaria virginiana* var. *filiformis* and *Podophyllum* sect. *Dysosma* predominantly produce red flowers while white-flowered morphs are rarely encountered but have also been named. Shared pollinators do not appear to be an important factor, since *Podophyllum* sect. *Dysosma* is sapromyophilous, while the trans-Himalayan *Podophyllum hexandrum*, which exhibits a clinal colour pattern of predominantly white flowers in the west to red flowers in the east of its range, is self-pollinating and the American *Podophyllum peltatum* appears to attract bumblebees by deceptive association with other nectar-rich species. Various ideas have been advanced to account for the occurrence of the red morphs in American *Podophyllum peltatum*, including palaeohybridisation with Asiatic species. However, the red morphs tend to appear at the limits of the natural range, with a pocket of diversity in Pennsylvania, which may suggest that these variants are a response to environmental stress. Little is known about the pollination and

breeding biology of the *Persicaria virginiana* complex, but it invites investigation.

ACKNOWLEDGEMENTS

I would like to express appreciation for the interesting contributions to discussions by panel members at meetings of the RHS Advisory Panel on Horticulture and Taxonomy on the above subject, particularly to Dr James Compton for raising the issue and sharing his considerable knowledge and interest in *Polygonaceae*. Also to Susan Grayer (WSY) for a scan of the Standard specimen of 'Lance Corporal' and, along with Jennifer Matthews, other notes on cultivars.

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What ever happened to *Cacalia* L. (*Asteraceae*)?

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Until recently the *RHS Plant Finder* has used the name *Cacalia* for a number of perennial composites that resemble *Ligularia* and *Senecio*. This note discusses the names now used in preference to *Cacalia*.

Cacalia was one of the genera used by Linnaeus for an assemblage of plants that are now placed in several other genera. Because of the diverse nature of its components, the genus required typification before it could be meaningfully employed. The botanist Per Rydberg proposed it be typified by *Cacalia alpina* L. in 1924, but since this species was already widely known as *Adenostyles*, the generic name *Cacalia* was eventually rejected (McNeill *et al.*, 2006: App. V), with the result that all *Cacalia* names had to be assigned to other genera.

The situation is further complicated by the relatively new approach to systematics of the *Asteraceae*, derived from the rediscovery and acceptance of the work of A. Henri G. de Cassini (1781–1832), that employs a suite of previously overlooked characters, resulting in a smaller number of large genera becoming a larger number of small critically defined genera. For example, the genus *Eupatorium* L. that in the 1970s contained 1,200 species had by the late 1980s shrunk to only 38 species, with a corresponding huge increase in the number of related small genera (c. 180), for which the American botanists responsible, R. M. King and H. Robinson, are either famous or notorious, depending on one's perspectives and how many labels one has to change.

A similar scheme has been proposed by Jeffrey (1992) and other workers for the tribe *Senecioneae*, which includes the species formerly assigned to *Cacalia*. As a consequence, species formerly

included in *Cacalia* are now redistributed so that most of the Asiatic species are assigned to *Parasenecio*, while most of the American ones have moved to *Arnoglossum* and *Hasteola*.

The following *Cacalia* names were used in recent editions of *The RHS Plant Finder*. This list indicates the currently accepted names:

atriplicifolia = *Arnoglossum atriplicifolium*

corymbosa (HWJK 2211) the use of this name may be an error for *Ligularia corymbosa*, but the accession was misidentified and has since been redetermined as *Parasenecio mortonii*. (*Cacalia corymbosa* itself is now *Vernonia corymbosa*, but is not in cultivation at present. *Ligularia corymbosa* is a synonym of *Ligularia amplexicaulis*.)

delphiniifolia (BSWJ 5789, 11189, 'Sanshoku', sometimes misspelled 'Sansyoku') = *Parasenecio delphiniifolius*

farfarifolia var. ***bulbifera*** = *Parasenecio farfarifolius* var. *bulbifer*

hastata = *Parasenecio hastatus*

hastata var. ***orientalis*** (variegated) = *Parasenecio hastatus* subsp. *orientalis*

muehlenbergii = *Arnoglossum reniforme*

suaveolens = *Hasteola suaveolens*

Since most of the above taxa are not included in the *European Garden Flora* (Gardner, 2000), a brief account of synonymy and diagnostic characters is set out below.

***Arnoglossum* Raf.**

There are currently eight species accepted, all of which are endemic to eastern North America, and all are treated in the recent *Flora of North America* **20**: 622–625 (2006).

A. atriplicifolium (L.) H. Rob.

Synonyms: *Senecio atriplicifolius* (L.) Hook.; *Mesadenia atriplicifolia* (L.) Raf.

Tall perennials to 3m. Stems smooth or weakly grooved, glaucous. Leaves pale green, glaucous on underside, margins coarsely toothed. Flower heads white with some green or rarely purple. Involucral bracts 5, glaucous, pale green, oblong, apex blunt to acute, sparsely papillate. Illustration: Britton & Brown, *Illustr. Fl. US & Canada* 3: 537.

A. reniforme (Hook.) H. Rob.

Synonyms: *Senecio atriplicifolius* var. *reniformis* Hook.; *Cacalia reniformis* Muhl. ex Willd.; *Mesadenia reniformis* (Hook.) Raf.; *Senecio reniformis* (Hook.) MacMill.; *Arnoglossum muehlenbergii* (Sch. Bip.) H. Rob.; *Cacalia muehlenbergii* (Sch. Bip.) Fernald

Tall perennials to 3m. Stems with prominent ridges or angles, not glaucous. Lower leaves reniform; margin finely toothed. Flower heads white or greenish. Involucral bracts 5, pale green, narrowly ovate, apex obtuse. Illustration: Britton & Brown, *Illustr. Fl. US & Canada* 3: 536.

***Hasteola* Raf.**

There are only two known species, both endemic to eastern North America, which are treated in the recent *Flora of North America* 20: 610–611 (2006).

***H. suaveolens* (L.) Pojark.**

Synonyms: *Cacalia suaveolens* L.; *Senecio suaveolens* (L.) Elliott;
Synosma suaveolens (L.) Raf.

Perennials to 1.2m tall. Lower leaves hastate to deltate. Flower heads yellowish-white, white or rarely pink. Involucral bracts 12–14, oblong with scarious margins. Illustration: Britton & Brown, *Illustr. Fl. US & Canada* 3: 538.

***Parasenecio* W.W. Sm. & Small**

There are about 60 species from Asia and eastern European Russia eastwards to Taiwan and Japan, with the greatest concentration in east Asia and the Sinohimalayan region. These taxa were reviewed by Robinson and Brettell (1973).

There is no complete treatment for the genus as yet, so recent regional floras should be consulted.

***P. delphiniifolius* (Sieb. & Zucc.) H. Koyama**

Synonym: *Cacalia delphiniifolia* Sieb. & Zucc.

Perennial herbs to 1.2m. Leaf blade palmate, 7-cleft. Involucral bracts 5. Flower heads white to purplish, each with 5 flowers. Pappus hairs snow white.

***P. farfarifolius* (Sieb. & Zucc.) H. Koyama var. *bulbifer* (Maxim.)**

H. Koyama

Synonym: *Cacalia farfarifolia* Sieb. & Zucc. var. *bulbifera* (Maxim.)

Kitam.

Perennial herbs to 1.4m. Upper part of stems, lower leaf surface and peduncles densely cobwebby. Leaves many; blade deltoid or pentagonal with a cordate base. Small globose bulbils are present in the leaf axils. Involucral bracts 5, oblong, yellowish or dark brown. Flower heads pale yellow.

Some authors (Ohwi, 1984: 883; Robinson & Brettell, 1973: 272) spell the specific epithet as *farfaraefolia*. However, according to ICBN Art. 60.8 (2006: 108) the use of a compound form contrary to Rec. 60G in an adjectival epithet is treated as an error to be corrected; hence the spelling *farfarifolia* is the one to be used.

***P. hastatus* subsp. *orientalis* (Kitam.) H. Koyama**

Synonym: *Cacalia hastata* subsp. *orientalis* Kitam.

Perennial herbs to 2.5m. Leaf blade triangular-hastate. Involucral bracts 8–13. Flower heads whitish, each with 6–13 flowers. Pappus hairs white or off-white.

P. hastatus subsp. *orientalis* is found in Japan.

P. hastatus subsp. *hastatus* is described in *European Garden Flora* 6: 632 (2000) under the name *Cacalia hastata* L. It is found in mainland Asia and differs from subsp. *orientalis* by its shorter stature, smaller flower heads and leaves, and narrower panicles.

***P. mortonii* (Clarke) Srivastava & C. Jeffrey**

Synonym: *Cacalia mortonii* (Clarke) Kitam. ex H. Koyama; *Senecio mortonii* (Clarke); *Ligularia mortonii* (Clarke) Hand.-Mazz.

Leaves palmate, 5–11-cleft. Flower heads yellow. Involucral bracts 4–5, oblong-lanceolate, 9–11mm. Achenes strongly ribbed. Pappus hairs reddish-brown.

In cultivation from several different accessions. HWJK 2214 from NE Nepal has been distributed as *Ligularia corymbosa* and *Cacalia corymbosa*. GWJ 9419 from Singalila Ridge, W. Bengal, N. India as *Senecio mortonii*. BSWJ 9404 has not yet been distributed. Voucher specimens for these are deposited in **WSY**.

This species has some characters that appear intermediate between *Parasenecio* and *Ligularia* such as the sheathing leaf bases. In consequence *Flora of Bhutan* (Grierson & Long, 2001) treats it as *Ligularia mortonii*, while a combination under *Parasenecio* has been provided by Srivastava and Jeffrey (1996) in preparation for the forthcoming *Flora of Sikkim*. Meanwhile, *Asteraceae of Sikkim* (Kumar & Singh, 2001) treats it as a *Senecio*. Accordingly the RHS's Advisory Panel on Nomenclature and Taxonomy (APONAT) decided to treat this species in the *RHS Plant Finder* under the more familiar name *Ligularia mortonii* for the time being (APONAT Minutes for meeting of 14 November 2007).

A new nothogenus in Asteraceae

While working on this note, it was noticed that a nomenclatural correction was required in the account of *Parasenecio* in Iwatsuki *et al.* (1995: 53). The nothogeneric name used therein, \times *Senecillicacalia* Kitam. (= *Senecillis* Gaertn. \times *Cacalia* L.), is not applicable to hybrids between *Parasenecio* and *Ligularia*; see ICBN Art. H8.1. Consequently a suitable nothogenus and new combination is here established:

\times **Parasenaria** J.M.H. Shaw **nothogen. nov.** = *Ligularia* Cass.
 \times *Parasenecio* W.W. Sm. & Small

\times **Parasenaria telphusiformis** (Koidz.) J.M.H. Shaw **comb. nov.**
Basionym: *Ligularia telphusiformis* Koidz. in *Bot. Mag. Tokyo* **37**: 57 (1923), as *telphusaeformis*.

Synonym: \times *Senicillicacalia telphusiformis* (Koidz.) Kitam. in *Acta Phytotax. Geobot.* **8**: 89 (193); \times *Senicillicacalia telphusaefolia* Ohwi, *Fl. Japan*: 883 (1965) orth. error.

A natural hybrid between *Parasenecio delphiniifolius* and *Ligularia fischeri*.

A collection from Bhutan cited in *Flora of Bhutan* (2001: 1575) may also belong to this nothogenus. It has been suggested that it may represent the hybrid *Parasenecio mertonii* \times *Ligularia amplexicaulis*. Lawrence Springate, who edited the account of the genus in *Flora of Bhutan*, has kindly supplied the following collection details:

Bhutan: Sakden district, Worpola, Sakten, 3950–4000m. 2 August 1991. *Hans Winter* s.n. Local name: bong dok pu; suspected of causing yak poisoning. E, 2 sheets.

This specimen was previously determined by Jeffrey (*in sched.*) as “*Ligularia* sp. nov.?” in 1992. A further three sheets from the same area, also collected by Winter, were found in the herbarium at Edinburgh, and these were subsequently given the same determination. More work is required to settle the identity of these collections

beyond doubt, as either a hybrid (they bear no viable seed) or an undescribed *Ligularia*.

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An investigation of the cultivated *Kalanchoe daigremontiana* group, with a checklist of *Kalanchoe* cultivars

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Some of the *Kalanchoe* plants that reproduce by small bulbils formed along the leaf margins, sometimes referred to *Bryophyllum* Salisb., are widespread in cultivation, but often without a name. The following notes are intended to help with problems in their identification, provide names for some widespread cultivars and provide a reasonably complete list of *Kalanchoe* cultivar names, which are scattered in the literature and web pages.

It is appropriate to discuss *Kalanchoe* names in *Hanburyana* as Sir Thomas Hanbury had an interest in the *Crassulaceae* and grew a number of *Kalanchoe* at La Mortola. The 1938 list of garden plants for La Mortola included 22 taxa (Hanbury, 1938). The garden became something of a centre for study of the family, with many new species being introduced and described. Alwin Berger (1871–1931), one time curator of La Mortola, was a keen student of *Crassulaceae* and provided a comprehensive account in *Die natürlichen Pflanzenfamilien* (Berger, 1930).

Kalanchoe is a genus of about 144 species of succulent plants. There is no modern monographic treatment available, but there is a synoptic generic account provided by Descoings (2003). Since 1985 *Kalanchoe* has become one of the most frequently grown pot plants, usually encountered as cultivars of *K. blossfeldiana* and its hybrids, often known as Flaming Katy (Karper & Doorenbos, 1983; Gilbert, 1994). It is now the second most important pot plant crop in Holland with about 65 million plants produced annually.

Notes on the cultivated *Kalanchoe daigremontiana* group

There is much confusion in naming of the two parents and related taxa, as well as the clones of their hybrids. All the taxa in this group can reproduce vegetatively by the production of numerous bulbils from teeth axils on the leaf margin.

Key to *K. daigremontiana* group

- 1a. Leaves narrowly linear, terete with 3–9 teeth and bulbils only at the apex(K. delagoensis) 2
- 1b. Leaves lanceolate, oblong to triangular, numerous teeth often with bulbils appearing along the margins 3
- 2a. Leaves with small blotches of purple-brown on khaki-green background; midrib green; petals yellowish under calyx ‘**Spirit of 28**’
- 2b. Leaves more uniformly purple; midrib tan coloured; petals uniformly orange ‘**Ihoso Purple**’
- 3a. Teeth uniform, bulbils all along margins 5
- 3b. Teeth heteromorphic, bulbils present only towards apex 4
- 4a. Leaves oblong-lanceolate, often recurved, teeth about 7 pairs
..... **K. rosei** var. **variifolia**
- 4b. Leaves lanceolate, strongly keeled, often erect-patent, teeth more than 9 pairs..... ‘**Hybrida**’
- 5a. Leaves entirely light green or green suffused with pink, but not variegated, without darker blotches or stripes 6
- 5b. Leaves with darker blotches on underside 7
- 6a. Leaves ovate, pink coloration across whole leaf, when present
..... **K. laetivirens**
- 6b. Leaves oblong-lanceolate, pink coloration confined to margins and bulbils..... ‘**Pink Teeth**’
- 7a. Leaf base strongly auriculate to strongly cordate, rarely sub-peltate
..... (K. daigremontiana) 8
- 7b. Leaf base without auricles or if present very small, not or weakly cordate, not peltate, lamina gradually narrowing into petiole
..... (K. × houghtonii) 9
- 8a. Blotches on leaf underside not forming unbroken bars, leaves remaining green ‘**Old Hat**’

- 8b. Blotches on underside forming unbroken bars at least towards leaf base, lamina developing brownish olive-green pigmentation in strong light..... **'Fellely Priory'**
- 9a. Leaves narrowly lanceolate, strongly keeled, teeth very thick, base forming small cup..... **'Parsel Tongue'**
- 9b. Leaves broadly lanceolate, flat, teeth and lamina not very thick 10
- 10a. Leaves variegated with pink, cream and green zones
..... **'Fujicho', 'Pink Butterflies'**
- 10b. Leaves not variegated, but with darker blotches..... 11
- 11a. Leaves with markings on both surfaces 12
- 11b. Leaves with markings confined to leaf underside..... **'J.T. Baldwin'**
- 12a. Leaves lanceolate to oblong, about 2–3 times long as wide **'Hybrida'**
- 12b. Leaves narrowly lanceolate, about 4–5 or more times as long as wide....
..... **'Jaws of Life'**

***K. daigremontiana* Raym.-Hamet¹ & H. Perrier (1914)**

Description: Boiteau & Allorge-Boiteau, 1995: 94; Descouings, 2003: 153; Jacobsen, 1960: 612; Springate, 1995: 181.

This had been represented in cultivation by a single clone for many years, until a second recent introduction. The older clone is here named **'Old Hat'**, a pun on the vernacular name of Mexican hat plant. It may be distinguished by the dark blotches on the leaf underside not forming unbroken bars towards the leaf base, and the leaves remaining bright green in strong sunlight.

'Fellely Priory', named for the RHS-linked garden and nursery where I first encountered it, is the name proposed here for the more recent clone, that is distinguished by the dark blotches on the leaf underside forming unbroken bars at least towards the leaf base in mature plants. The leaves become suffused with a darker brownish olive-green pigment when grown in strong sunlight, and take on strong markings. It may be the clone illustrated in Sa-jeva & Costanzo, 2000: 172, photo 6007.

¹ See note at the end of the paper

Descoings (2003) and Boiteau & Allorge-Boiteau (1995) both observe that the species is very variable in the wild, particularly in regard to leaf shape. This may be due to natural hybridisation. Resende (1956) noted that the formation of bulbils in the axils of leaf marginal teeth is a recessive character in hybrids made with *K. daigremontiana*, possibly a useful point when considering possible parentage of hybrid plants.

***K. delagoensis* Eckl. & Zeyh. (1837)**

This name has been shown to have priority over the homotypic name *K. tubiflora* Raym.-Hamet., introduced because *K. delagoensis* was mistakenly viewed as a *nomen nudum*. For discussion see Tölken (1985, 1987).

Description: Boiteau & Allorge-Boiteau (1995: 90–92); Descoings, (2003: 154); Fernandes, (1983: 67); Jacobsen (1960: 631–632); Springate (1995: 181); Tölken (1985: 73; 1987: t. 1938).

This is probably the most widespread of all bulbiferous *Kalanchoe* and its presence in cultivation, at least in the USA, is apparently the result of a single introduction from Madagascar, collected by Charles F. Swingle (1899–1978) and J. Henri Humbert (1887–1967) during a joint University of Algiers, Arnold Arboretum, and USDA sponsored expedition in 1928, which had the aim of finding new ornamental plants and rubber sources (Dorr, 1997: 214, 216, 462; Trager, 2005). It seems appropriate to provide a name for this ubiquitous clone; '**Spirit of 28**' is the cultivar epithet here proposed. It can be distinguished by the leaves with small purple-brownish blotches on a khaki-green background, a green midrib, and petals with a yellowish zone under the overlapping calyx.

'**Ihosal Purple**' is the name here proposed for a second clone recently introduced to cultivation by the International Succulent Introductions (ISI) under the number 2005-30. Although material has not been available for examination, it is said to be distinguished

by more slender leaves that are more uniformly purplish on the upper side, with a noticeable tan-coloured midrib. Flowers are uniformly orange. This clone was collected 15km from Ihoisy on the road to Ivohibe and Farafagana, Madagascar, by John J. Lavranos (30041) and collaborators, in October 1995. It is currently quite rare in cultivation.

There are probably other clones in cultivation, and it appears that in Europe it was introduced prior to the 1928 collection mentioned above. According to Wright (1935) it was introduced to cultivation in 1912, though whether this was of southern African origin at Cambridge University Botanic Garden, where he was based, or perhaps in Paris, France from Perrier de la Bâthie's garden in Madagascar, he does not say. In 1917 Druce provided a new combination in *Bryophyllum*, and by 1929 an investigation into the unusual production of bulbils by Baron *et al.* had appeared¹. By the 1930s it had become fairly well known in cultivation (Stapf, 1931; Wright, 1935).

***K. × houghtonii* D.B. Ward (2006)**

Synonyms:

Bryophyllum tubimontanum Houghton (1935). *nom. nud.*

K. hybrida Jacobsen (1954, 2: f. 860; 1970: 285). *nom. nud.*

K. 'Hybrida' hort., seen in trade lists.

K. 'Houghton's Hybrid', seen in trade lists.

K. 'Houghtonii' seen in trade lists.

K. aff. 'Hybrida'. Springate (1995: 181).

Description: Springate (1995: 181); Ward (2006: 94).

This name applies to all derivatives of the hybrid *Kalanchoe daigremontiana* × *delagoensis*.

Arthur Duvernoix Houghton (1870–1938) who first synthesised this cross, as *K. daigremontiana* (seed parent) × *tubiflora* (i.e. *delagoensis*, pollen parent), provided the name *B. tubimontanum*, but did not

¹ Baron *et al.* note that: "The plants in cultivation at the Royal Botanic Garden, Edinburgh, [were] received in 1928 and 1929 from T. Sharp, Westbury, Wiltshire..."

validly publish it. As a consequence of becoming naturalised in Florida, this hybrid has now been formally described (Ward, 2006).

There were originally two clones of *K. × houghtonii* in cultivation, a fertile tetraploid and a sterile triploid as *K. daigremontiana × verticillata* (*verticillata* is another synonym of *delagoensis*) illustrated and cytologically investigated by Baldwin (1938, 1949). Baldwin's illustration shows the upper part of the flowering stem and the inflorescence. Unfortunately the leaves change shape towards the inflorescence and it is not possible to equate this with clones in cultivation with any certainty. Resende (1956) confirmed the existence of two hybrid races. He reported an F₁ which was triploid and sterile, and also tetraploid F₁ and F₂ plants that were fertile.

Cultivated and naturalised plants of *K. × houghtonii* tend to fall into two groups: those that resemble *K. daigremontiana*, usually with narrow leaves and reduced or absent cordate lobes and no markings on the upper leaf surface, such as 'J.T. Baldwin' and the naturalised plants in Florida, and those that are intermediate between the parents with darker olive-green leaves, and markings on the upper leaf surface, such as 'Hybrida' and 'Jaws of Life'.

Cultivars of *K. × houghtonii*

'Fujicho' (meaning "phoenix"), in Hirose & Yokoi (1998: 154, no. 805, as *K. tubiflora*). Leaves with white-pink margin and red adventitious buds. May be the same as 'Pink Butterflies'.

'Hybrida', illustrated in Graf (1978: 683, centre page as *daigremontiana × tubiflora*, 685 upper right hand photo as *daigremontiana* hybrid).

Descoings (2003: 144) lists *K. × hybrida* hort. ex Jacobsen (1954) as a name of unresolved application. The earliest reference to the name 'Hybrida' traced is the illustration in the German edition of Jacobsen's *Handbook of Succulent Plants* (1954). There is no

description but a clear monochrome illustration, f. 860, is provided which shows oblong-lanceolate leaves with unequal teeth that only bear axillary bulbils towards the leaf apex, both characters that recall *K. rosei*. Unfortunately, this illustration shows only the upper part of several sterile shoots. One of the clones of *K. × houghtonii* in cultivation can produce vegetative shoots that strongly resemble the 'Hybrida' plant as depicted in f. 860, and can also produce leaves that are lanceolate, with regularly spaced, uniform teeth each bearing a bulbil as illustrated in Graf (1978: 683). This depends on cultivation conditions, as plants grown in a sunny greenhouse look like the Graf illustration, and when transferred to a shaded windowsill switch to Jacobsen's 'Hybrida' suite of characters. Therefore it appears that the name 'Hybrida' applies to the commonly cultivated clone of this hybrid, which likely represents a clone from the original cross made by Houghton, whose published illustration also agrees with these characters (Houghton, 1935).

These plants usually display leaf blades lanceolate to oblong, 4–5.5 × 1.2–2.5cm, with about 9–15 teeth along each margin, with a petiole 2–2.5cm long, and typically produce bulbils from all the marginal teeth axils; markings are present on both leaf surfaces. However, under less than ideal conditions plants have been known to produce leaves that resemble *K. rosei* var. *variifolia*, oblong-lanceolate, with unequal teeth and bulbils only from the tooth axils towards the leaf apex. Live material is currently cultivated at Abbey Brook Cactus Nursery, Matlock.

'**Jaws of Life**' is a similar clone with much longer opposite leaves and is cultivated in the USA by Glasshouse Works Nursery.

'**J.T. Baldwin**' Plants with leaves narrowly lanceolate to narrowly triangular, 9.5–10.5 × c. 2cm; marginal teeth uniform, 22–25 each side, all bearing bulbils, markings confined to lower leaf surface. This epithet commemorates John Thomas Baldwin (1910–1974) who published cytological notes on *K. × houghtonii* in 1949.

Live material recently seen at Whitestone Gardens, near Thirsk and Oakdene Nursery, Royston, Barnsley. It is this clone which occasionally produces viable seed, and appears similar to the one naturalised in Florida, from which the type of *K. × houghtonii* has been collected. Roy Mottram commented that he recalled seeing this plant illustrated under the name '*K. rauhii*', but the reference has not been traced.

Various illustrations appear in the literature, for example in Sajeva & Costanzo (2000: 172, photo no. 2530, captioned *K. daigremontiana*). Note the narrow leaves that are not cordate/auriculate at the base, or rarely so, and then with very small lobes, but narrowly tapered into the petiole before their insertion on the stem.

'Parsel Tongue' Named in 2007, this clone arose at the Huntington Botanical Gardens from typical 'Hybrida'. It is distributed as ISI 2007-25. Its narrow keeled leaves are unusually thick with thickened marginal teeth. The leaf base is peltate. Dark broken transverse bands are present on the leaf underside and petiole.

'Pink Butterflies' named in Mak (2003). A variegated clone that has been distributed as "'Hybrida' variegated" and also named 'Pink Sparkler' by Steve Jankalski in ISI Plant List 2006. Its distinctness from the Japanese 'Fujicho' (see above) seems doubtful. Both clones produce adventitious buds devoid of chlorophyll and so must be propagated from stem cuttings.

'Pink Teeth' is a clone with green leaves, which become pink-margined at lower temperatures. The bulbils become pinkish too, but retain their chlorophyll. It is cultivated in the USA at Glasshouse Works Nursery.

***Kalanchoe laetivirens* Descoings (1997)**

Misidentified name: *K. daigremontiana* "Green form"

Description: Descoings (1997: 85; 2003: 160).

Illustration: Rauh, 1998: 318–319 as *K. daigremontiana* “Green form”; Urs Eggli (ed.) 2003: pl. XIX h.

Introduced to cultivation as ISI 95-36, HBG 7004, collected by O. Olsen, from Toliara, Madagascar.

Included here because it is omitted from the *European Garden Flora*, confused with *K. daigremontiana* and appears under many different names, such as *K. marmorata*, in popular guides and retail outlets. It is however a very distinctive plant with its uniformly pale green leaves that become suffused with a delicate pink when exposed to strong sunlight. It is more difficult to grow than either *K. daigremontiana* or *K. delagoensis*, requiring a warmer winter temperature. Rauh (1998) regarded it as a form of *K. daigremontiana* and it is the only other species to freely produce bulbils from tooth axils all along the leaf margin.

The *Bryophyllum* website (www.bryophyllum.com) suggests that *K. laetivirens* represents the hybrid *K. laxiflora* (syn. *crenata*) × *daigremontiana*, which is illustrated by Resende (1956), who also introduced the name ‘Crenodaigremontiana’ (Resende & Viana, 1965). However no experimental evidence has been provided to support this claim.

A clone offered by the Glasshouse Works in the USA is called ‘Big Momma’, and forms a squat thick-stemmed plant with nearly orbicular leaves bearing a few plantlets. This is stated to be HBG 7004, but is rather different from plants cultivated in the UK as *K. laetivirens*. Possibly this is a sport, or phenotypic response to different cultural conditions.

***K. rosei* Raym.-Hamet & H. Perrier (1914)**

Synonym: ‘*Kalanchoe rauhii*’ hort.

Description: Boiteau & Allorge-Boiteau (1995: 98); Descoings (2003: 173).

Widely offered by nurseries in the UK, USA and Europe is a plant under the name 'K. rauhii'. This name has never been published botanically, although it appears in the live plants catalogue of several botanical gardens. The epithet commemorates Werner Rauh (1931–2000), who made nine field trips to Madagascar between 1959 and 1994 during which he collected live material of many *Kalanchoe* taxa (Dorr, 1997). I have not been able to trace any reference to this epithet as a *Kalanchoe* in his published works, nor does it appear in the most recent treatment of *Kalanchoe* available (Descoings, 2003). It seems most likely that the name was coined, either provisionally upon failing to identify an accession from one of Rauh's field trips, or applied to a hybrid that was either made by Rauh or named in his honour, and then became associated informally with living material that was subsequently distributed in cultivation. Karper and Doorenbos (1983: 239) state that "it was collected in Madagascar and its status is somewhat obscure, but it could be a natural hybrid."

A Google search reveals that at least two cultivar names, 'Dorian Black' and 'Rubra' (as var. *rubra* [*nom. nud.*]), are currently used to market plants included in 'K. rauhii'. Additionally, the same plant has been distributed by Dutch growers as *K.* 'Lucky Bells' and even awarded Plant Breeders' Rights (PBR). Examination of flowering cultivated plants of 'Lucky Bells', material sold in the UK as 'K. rauhii' and web images of 'K. rauhii' has revealed that the name is consistently applied to *Kalanchoe rosei* subsp. *variifolia* Guill. & Humbert, a native of Madagascar. This taxon is well illustrated by Rauh (1998: 323, f.1199–1200). Note that some illustrations on p.321 of this work, captioned var. *rosei*, actually depict var. *variifolia*. It is further illustrated by Boiteau & Allorge-Boiteau (1995: 99; and 163 as *K. mandraensis*).

Kalanchoe rosei and its varieties were omitted by Springate (1995: 178–185), where this taxon will key out under *K. delagoensis*/*K. daigremontiana*. The flowers are almost identical with those of

K. delagoensis, to which it is closely related. *Kalanchoe rosei* var. *variifolia* itself may be of hybrid origin, possibly involving *K. delagoensis*. It is known to hybridise with *K. daigremontiana* and *K. fedtschenkoi*. The *Bryophyllum* website claims that *K. rosei* var. *serratifolia* represents *K. delagoensis* × *rosei*, while *K. rosei* var. *variifolia* represents *K. daigremontiana* × *rosei*. One wonders if experimental evidence is available to support these conclusions.

During the course of preparing this note, I was unable to trace a valid publication for the combinations of some infraspecific taxa of *K. rosei* at varietal rank. It appears they have only been published at subspecific rank under *Kalanchoe*. As the names are widely used in publications dealing with succulent plants, they are validated here:

***Kalanchoe rosei* var. *serratifolia* (Humbert) J.M.H. Shaw stat. nov.**

Basionym: *Kalanchoe rosei* subsp. *serratifolia* Humbert, *Bull. Mus. Hist. Nat.* (Paris) sér. 2, 5(2): 166 (1933).

***Kalanchoe rosei* var. *variifolia* (Guillaumin & Humbert) J.M.H. Shaw stat. nov.**

Basionym: *Kalanchoe rosei* subsp. *variifolia* Guillaumin & Humbert, *Bull. Mus. Hist. Nat.* (Paris) sér. 2, 13: 319 (1941).

Notes on two other *Kalanchoe*

***Kalanchoe sexangularis* N.E. Brown (1913)**

Synonyms: *K. mossambicana* Resende & Sobrinho; *K. rogersii* Raym.-

Hamet; *K. rubinea* Tölken; *K. vatrinii* Raym.-Hamet

Misidentified names: *K. longiflora*; *K. paniculata*; *K. pinnata*

Illustration: Graf (1978: 688); Tölken (1983: t.1878); Fabian & Germis-huizen (1997: t.69).

Description: Descoings (2003: 175); Fernandes (1983: 65–66); Tölken (1985: 67).

Commonly sold as a houseplant, but invariably without a name, this plant is distinctive with its foliage becoming rich red in sunlight. The

illustrations in older works such as Jacobsen (1974) are all misidentified as *K. longiflora*, and this is apparently followed by Springate (1995: 84). *Kalanchoe longiflora* Schltr. is a rare but somewhat similar plant from northern Natal with quadrangular stems and a corolla tube 11–14mm long, whereas *K. sexangularis* has stems smooth, 4–6 or irregularly ridged (the type specimen had six-angled stems, whence the specific epithet) with a corolla tube 7–10mm long. *K. sexangularis* is thought to have been introduced to cultivation through Cambridge University Botanic Garden, UK, in 1913, about the time it was described by N.E. Brown of Kew (Anon., 1914).

***K. blossfeldiana* Poelln. (1934)**

As explained by Springate (1995) this name is applied loosely in the horticultural trade to both the species and many hybrids of diverse origin that include *K. blossfeldiana* along with other species in their ancestry. His account provides a means of distinguishing genuine *K. blossfeldiana*. This should be taken into account when using the accompanying list (Table 1) of cultivars. Several cultivars are marked in the accompanying list as unassigned to species; this classification as used for PBR presumably indicates a hybrid origin. The species was introduced into cultivation by Blossfeld at Potsdam about 1934. By 1938 it had become a 'standard pot plant' in Germany and is now the basis for an enormous pot plant industry (Beezley, 1938; Blossfeld, 1938).

There are several Groups used in *K. blossfeldiana* hybrids. Roseflower Group includes plants with bicoloured flowers in pastel shades, with multiple petaloid parts. Some of these plants have also been called Calandrina or Rosalina series to distinguish them.

Standard Group plants are 20–25cm tall when flowering, and Mini-Kalanchoe Group plants flower at 10–15cm high.

An orthographic note on Raymond Hamet (1890–1972)

Raym.-Hamet is the standard abbreviation given by Brummitt & Powell (1992: 255, 524) for the name of the French botanist whom they list as Raymond-Hamet, but who is known in France often as Raymond Hamet. Brummitt and Powell do not list any initials or given names, but treat the two elements of his name as a single hyphenated surname. However, French authors invariably use Hamet, R. or Hamet. According to Boiteau & Allorge-Boiteau (1995: 238) the standard abbreviation is based on a misunderstanding of the author's name, which appears in his publication of 1912 as R. Hamet. In a 1914 publication it appears in the text as Raymond-Hamet, although at the page heading it is R. Hamet. They further point out that his obituary in *Le Monde* (2 October 1972) consistently refers to him as Raymond Hamet. However, Rosemary Wise (Kew, pers. com., 2008) notes that Raymond-Hamet published a large number of names and apart from the very early ones, Raymond-Hamet appeared after the plant name and M. Raymond-Hamet in the title. Therefore this form of his name does not appear to be based on a misunderstanding but a deliberate change. The use of the hyphen in his name was evidently Hamet's choice because it appears in several different journals. Furthermore, in *Bulletin de la Société Botanique de France*, the members were always listed at the front of the journal each year until about 1966. He was listed as Hamet until vol. 82 (1935) and after that as Raymond-Hamet. Based on this evidence, in consultation with Rosemary Wise and Dick Brummitt, the standard abbreviation Raym.-Hamet has been maintained. In the International Plant Names Index (IPNI) Authors database (www.ipni.org) his name is still searchable as Hamet in the surname box.

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Key to species codes

1 *alternans* **2** *beharensis* **3** *blossfeldiana* **4** *bracteata* **5** *citrina* **6** *daigremontiana* **7** *delagoensis* **8** *fedtschenkoi* **9** *flammea* (cf. *glaucescens*) **10** *glaucescens* **11** *gracilipes* **12** *grandiflora* **13** *guignardii* (= *beauvardii* var. *guignardii*) **14** *hildebrandtii* **15** × *houghtonii* (= *daigremontiana* × *delagoensis*) **16** *jongmansii* **17** *laciniata* **18** *laetivirens* **19** *lanceolata* (as *pilosa*) **20** *lateritia* (as *kirikii*) **21** *laxiflora* **22** *luciae* **23** *manginii* **24** *marmorata* **25** *millotii* **26** *miniata* **27** *pinnata* **28** *porphyrocalyx* **29** *pumila* **30** *rosei* **31** *rosei* var. *variifolia* **32** *serrata* **33** *synsepala* **34** *thyrsiflora* **35** *tomentosa* **36** *tuberosa* **37** *uniflora* **38** unassigned to species

× hybrid between two taxa
/ variously assigned to taxa indicated
? uncertain

Key to originators and references

Aardenburg J.L.M. Aardenburg, Hondsbosseweg 6, 1969 MA Heemskerk, The Netherlands
AB AB Breeding BV, Achterweg 58a, 1424 PR De Kwakel, The Netherlands (www.ab-breeding.nl)
ABCN Abbey Brook Cactus Nursery, Bakewell Road, Matlock, Derbyshire DE4 2QJ (www.abbeybrookcacti.com)
Abildgaard Gartneriet Abildgaard, Mejerivejen 31, 5290 Marslev, Denmark (www.danish-evergreen.dk)
Agriom Agriom BV, Achterweg 58a, 1424 PR De Kwakel, The Netherlands (www.agriom.nl)
Albino (www.albinoprc.cool.ne.jp)
Auburn Auburn University, Dept. of Horticulture, 101 Funchess Hall, Auburn, Alabama 36849, USA (www.ag.auburn.edu/hort/landscape/Kalanchoe.htm)

Table 1. Checklist of *Kalanchoe* cultivars (cont.)

BGBM	Botanischer Garten und Botanisches Museum Berlin-Dahlem, Freie Universität Berlin, Königin-Luise-Straße 6–8, 14195 Berlin, Germany (www.bgbm.org)
Churchus	John Churchus, Pixie Plants, Fiona Drive, Devon Meadows, Victoria, Australia
COPF	Canadian Ornamental Plant Foundation, 975 McKeown Ave, 5A - #218 North Bay, Ontario, Canada P1B 9P2 (www.copf.org/indexmain.asp)
Cotswold	Cotswold Garden Flowers, Sands Lane, Badsey, Worcestershire, WR11 7EZ (www.cgf.net)
CPVO	Community Plant Variety Office (www.cpvoextranet.cpvo.europa.eu)
Dæhnfeldt	L. Dæhnfeldt A/S, Faaborgvej 248 B, 5250 Odense, Denmark (www.dæhnfeldt.com)
DG	Dave's Garden is a software company, based in Bryan/College Station, Texas, USA (www.davesgarden.com)
Fides	Fides BV, Postbus 26, 2678 ZG De Lier, The Netherlands (www.fides.nl)
GS	Gartneriet Skovlunden, Skovlunden 5, Hundsløv, 5300 Kerteminde, Denmark (www.50917.dk)
GTF	Gartneriet Thomas Frank ApS, Daltoften 9, DK-5550 Langeskov, Denmark
GW	Glasshouse Works, Church Street, PO Box 97, Stewart, Ohio 45778-0097, USA (www.glasshouseworks.com)
HBG	Huntington Botanical Gardens, San Marino, USA
Holimco	Subsidiary company of the Dutch group Florema (www.holimco.fr)
HU	Handelskwekerij Ubink BV, Mijnsheerweg 20, 1433 AS Kudelstaart, The Netherlands
I&S	Ilse & Siegfried Dehne GbR, Azaleenstraße 87, 26639 Wiesmoor, Germany (www.dehne.de)
ISI	International Succulent Introductions
KG	Kalanchoe Growers Holland, LTO Groeiservice, tav Landelijke, Kalanchoe Commissie, Postbus 1120, 2280 CC Rijswijk, The Netherlands (www.kalanchoe.nl)
Kientzler	Kientzler Jungpflanzen GmbH & Co. KG, Postfach 100, 55454 Gensingen, Germany (www.kientzler.com)
KJ	Knud Jepsen A/S, Damsbrovej 53, Nørning 8382, Hinnerup, Denmark

Knaap Knaap Licenties BV, Lange Broekweg 84, 2671 DW Naaldwijk, The Netherlands
KP KP Holland, Lange Broekweg 84, 2671 DW Naaldwijk, The Netherlands (www.kpholland.nl)
Kuilboer Kuilboer Potplantenkwekerij BV, Oterlekenweg 1, 1703 RM Heerhugowaard, The Netherlands
KZ "Kulturberichten für den Zierpflanzenbau" website (www.kulturberichte.de)
Les Taylor "Leslie's Succulent Pages" (www.echeveria.freeserve.co.uk)
MA Magelund Allan
Mikkelsen Mikkelsen, USA
Missouri Shoenberg Temperate House, Missouri Botanical Garden, 4344 Shaw Boulevard, St Louis, MO 63110, USA (www.mobot.org)
Ogl. Oglevee Ltd, Connellsville, PA, USA (www.oglevee.com)
Poulsen Gartneriet Jens Nørgaard Poulsen A/S, Elevvej 84, 8200 Århus N, Denmark (www.begonia-jnp.dk)
RHS Royal Horticultural Society, UK. Horticultural database (www.rhs.org.uk)
Rosborg Gartneriet Rosborg Bellinge A/S, Brændekildevej 43, 5250 Odense SV, Denmark (www.rosborg-as.dk)
Slijkerman Slijkerman Potplantenkwekerij, Veenhuizerweg 40/A, 1704DP Heerhugowaard, The Netherlands
Triade Triade BV
Ulm Universities of Ulm and Ruhr (www.biologie.uni-ulm.de)

Table 1. Checklist of *Kalanchoe* cultivars (cont.)

Cultivar	Sp.	References	PBR + Originator	Syn. / Group	Notes
'Abdoro'	3	CPVO	PBR 2006 AB		
'Abdrie'	3	CPVO	PBR pdg 2007 Agriom		
'Abeen'	3	CPVO	PBR pdg 2007 Agriom		
'Abtwee'	3	CPVO	PBR pdg 2007 Agriom		
'Abvier'	3	CPVO	PBR pdg 2007 Agriom		
'Abvijf'	3	CPVO	PBR pdg 2007 Agriom		
'African Beauty'	38	CPVO	PBR 2004 KJ		
'African Fall'	38	CPVO	PBR 2006 KJ		
'African Flame'	3		PBR EU 17/08/03 KJ		
'African Orange'		COPF			
'African Pearl'	38	CPVO	PBR 2004 KJ		
'African Red'		COPF			
'African Rose'		COPF			
'African Sunshine'	3/38	CPVO; KG	PBR 2004 KJ	Roseflower Gp	Yellow fls
'African Yellow'	38	CPVO; RHS	PBR ended 2000 KJ		
'Alba'	2	Rauh, 1998: 301			Lvs densely white; woolly on both sides
'Alcedo'	3	CPVO; Fides	PBR 2006 Fides		

Cultivar	Sp.	References	PBR + Originator	Syn. / Group	Notes
'Alexandra'	38	CPVO; KG; RHS	PBR EU 05/10/98 KJ		Yellow fls
'Alexandre'	3	KZ			Yellow fls
'Alfred Gräser'		Jacobsen, 1960: 609			
'Altair'	3	Fides; RHS	PBR EU 07/06/02 Fides		
'Amora'	3	KG			Red fls
'Amrum'	3	RHS	PBR ended I&S 1998		
'Amy'	3	RHS	PBR EU 09/09/02 KJ		
'Anastazia'	3x17	CPVO	PBR KJ 2007		
'Anatole'	3	GS; RHS	PBR EU 10/09/01 AB		Dark orange fls
'Angelina'	3		PBR EU 2004 KJ		
'Aniak'	3	CPVO	PBR 2006 Fides		
'Ann'	3	KG			Purple fls
'Annetta'	3	RHS			
'Antilla'	3	RHS	PBR ended 1997 Fides		Red fls, strong branching habit
'Arina'	3	KG	PBR EU 2004 KJ		Orange fls
'Arjuno'	3/38	Fides; RHS	PBR failed 1997 KJ/ Fides		Dark red fls
'Aroi'		Fides			
'Ashley'	3x17	CPVO	PBR ended 2004 KJ		

Table 1. (cont.) *Kalanchoe* cultivars

Cultivar	Sp.	References	PBR + Originator	Syn. / Group	Notes
'Atalantos'	3	KG	PBR failed 2004		Pink fls
'Attraction'	3	RHS			
'Aureo-aeneus'	2	Rauh, 1998: 300; Jacobsen, 1974: 283		var. <i>aureo-aeneus</i> Jacobs. Invalid (without type and Latin description)	Lvs densely golden-brown; pubescent on both sides
'Avalon'	3	KG; RHS	PBR EU 02/04/02 AB		Pink fls
'Axanpink'	3	CPVO; RHS	PBR ended 2000 Ogl.		
'Axorch'	3	CPVO; RHS	PBR ended 2000 Ogl.		
'Axpink'	3	CPVO; RHS	PBR ended 2000 Ogl.		
'Axrose'	3	CPVO; RHS	PBR ended 2000 Ogl.		
'Axsalm'	3	CPVO; RHS	PBR ended 2000 Ogl.		
'Axsunyell'	3	COPF		MAXI SUNRAY YELLOW™	
'Axwhite'	3	CPVO; RHS	PBR ended 2000 Ogl.		
'Azumi'	3	KG			Pink fls
'Baby's Bottom'	2	GW		cf. var. <i>subnuda</i> Jacobs.	Thick glaucous curved lvs; margins crenate
'Bali'	3	RHS			

Cultivar	Sp.	References	PBR + Originator	Syn. / Group	Notes
'Ballyi'	5	<i>Fl. Ethiopia</i> 3: 23 (1989); <i>FTEA Crassulac.</i> : 54 (1987); RHS		var. <i>ballyi</i> Wickens, <i>Kew Bull.</i> 36: 674 (1982)	Lvs suborbicular to ovate; anthers not exerted
'Baltrum'	3	CPVO; RHS	PBR ended 1998 I&S		
'Baluran'	3	CPVO; RHS	PBR ended 1997 Fides		
'Banda'	3	CPVO	PBR 2006		
'Barbara'	3/38	CPVO; KG	1996 MA	Roseflower Gp	Pink fls
'Bardot'	3	CPVO; KG; RHS	PBR EU 07/06/04 Fides	CALANDIVA™ ORANGE; Roseflower Gp	Orange fls
'Bassey'	3	CPVO; GS	PBR 2006 Fides	Calandiva Gp	Purple fls
'Be-Harotii'	2x25 ?	GW	Hybrid from Ed. Hummel, c. 1970s	"Beechleaf feltbush"	Tightly stacked grey felted lvs
'Bella Donna'	23	CPVO; RHS	PBR ended 2000 GTF		
'Bellarosa'	23	CPVO; RHS	PBR 1998 Abildgaard		
'Bellisima'		Ulm			
'Bess'	3	CPVO; KG; RHS	PBR EU 28/07/01 Fides		Pink fls
'Beta'	3	KZ			Yellow fls
'Bette'	3	KG		Roseflower Gp	Orange fls
'Big Momma'	18	GW; HBG 73004			Lvs almost round; see text
'Bilbo'	3	CPVO	PBR ended 2006 AB		

Table 1. (cont.) *Kalanchoe* cultivars

Cultivar	Sp.	References	PBR + Originator	Syn. / Group	Notes
'Bingo'	3	COPF	Mikkelson	Prestige™ series	Dark pink fls
'Bisset'	3	CPVO	PBR pdg 2007 Fides		
'Blanca'	3	KG			Bicoloured fls
'Blues'	3	Kientzler			Controlled pollination #3-5-82 & #2-01-83. Dwarf, bushy shrub, fleshy, ovate, glabrous, lobed dark green lvs. Fls panicle cymes, 4 petals, RHS 66A at first then 57A when mature. Lowerside 66C & 65C
'Bola'	3	CPVO	PBR 2006 Fides		
'Borkum'	3	CPVO; RHS	PBR ended 1998 I&S		
'Brava'	3	CPVO; RHS	PBR EU 07/06/04 Fides		
'Bright Molly'	3	CPVO	PBR 2006 KJ		
'Brilliant Star'	3				USA c. 1956
'Bromo'	3	CPVO; KG; RHS	PBR EU 19/07/97 Fides		Purple fls
'Bronze Sculpture'	34	RHS			Orange fls
'Brown Dwarf'	2	ISI list 1986: 1671	Coll. by W. Rauh, near Behara, Madagascar		Undulate lvs forming rosette c. 15cm wide
'Cabalco'	38	CPVO; RHS	PBR ended Fides		

Cultivar	Sp.	References	PBR + Originator	Syn. / Group	Notes
'Calandiva Bardot'	3	KG		Roseflower Gp; see 'Bardot'	Orange fls
'Calandiva Cher'	3	KG		Roseflower Gp; see 'Cher'	Pink fls
'Calandiva Dion'	3	KG		Roseflower Gp; see 'Dion'	Pink fls
'Calandiva Fonda'	3	KG		Roseflower Gp; see 'Fonda'	Yellow fls
'Calandiva Hayworth'	3	KG		Roseflower Gp; see 'Hayworth'	Red fls
'Calandiva Kerr'	3	KG		Roseflower Gp; see 'Kerr'	Red fls
'Calandiva La Douce'	3	KG		Roseflower Gp; see 'La Douce'	Pink fls
'Calandiva Leonardo'	3	KG		Roseflower Gp; see 'Leonardo'	Purple fls
'Calandiva Midler'	3	KG		Roseflower Gp; see 'Midler'	Bicoloured fls
'Calandiva Monroe'	3	KG		Roseflower Gp; see 'Monroe'	White fls
'Calandiva Ross'	3	KG		Roseflower Gp; see 'Ross'	Purple fls

Table 1. (cont.) *Kalanchoe* cultivars

Cultivar	Sp.	References	PBR + Originator	Syn. / Group	Notes
'Calandiva Taylor'	3	KG		Roseflower Gp; see 'Taylor'	Red fls
'Calista'	3	CPVO	PBR ended 2004 KJ		
'Calypso'	3	RHS			Lilac fls
'Cancroidea'	3x27	Resende, 1956: 241–244		× <i>Byokalanchoe</i>	Parental clone = 'Feuerblüte'
'Cantabrigiensis'	12x 20	<i>Bull. Mus. Hist. Nat. sér. 2</i> , 2: 579 (1930); <i>Bot. Mag.</i> 23(1): 95 (2006)	Lynch, 1907 at Bot. Gard. Camb.	<i>K. cantabrigiensis</i> hort. ex Guillaumin	
'Caprice'	3	RHS			Red fls
'Cardinale'	3	CPVO; GS	PBR 2006 Fides	Calandiva Gp	Orange fls
'Carina'	38	CPVO	1995 MA		
'Carmen'	3	CPVO; GS; KS; RHS	PBR EU 19/07/04 KJ	See 'KJ 20001 0934'	Orange fls
'Carol'	3	CPVO	PBR ended 2003 KJ		
'Caroline'	3/38	CPVO; KG; RHS	PBR EU 09/06/97 KJ		Purple fls
'Carran'	38	CPVO	1995 Fides		
'Cassandra'	3	CPVO; KG; RHS	2000 AB		Red fls
'Catalana'	3	KG			Bicoloured fls

Cultivar	Sp.	References	PBR + Originator	Syn. / Group	Notes
'Cate'	3	CPVO	PBR 2007 KJ		
'Celine'	3	CPVO; RHS	PBR ended 2001 KJ		
'Charm'	3	RHS			Lilac/purple fls
'Cher'	3	COPF; CPVO; KG	PBR EU 17/08/05 Fides	CALANDIVA™ DARK PINK; Roseflower Gp	Pink fls
'Chérie'	3	Hay, 1974: pl. 306–307; <i>Euphytica</i> 31, pl. 1 (1982)			
'Cherry Jubilee'		COPF			
'Cherry Singapore'	3	KZ			Pink fls
'Chicky'	3	CPVO	PBR pdg 2007 GS		
'Chillan'	38	CPVO; RHS	PBR EU 05/10/98 Fides		
'Chique'	3	KZ			White fls
'Chocolate Soldier'	35	Rauh, 1995: 220, f. 615, 616			
'Cinderella'		Ulm			
'Cindy'	3	CPVO	PBR ended 2003 KJ		
'Cinnabar'	3	RHS			Red/pink fls
'Citrina'	3	GW			Golden yellow fls
'Clear Singapore'	3	KZ			Red fls

Table 1. (cont.) *Kalanchoe* cultivars

Cultivar	Sp.	References	PBR + Originator	Syn. / Group	Notes
'Clonekoe'					
'Colorado'					Light pink fls
'Cora'	3	CPVO; GS; KG; RHS	PBR EU 21/05/01 KJ		Pink fls
'Cora Dark'	3	KG			Pink fls
'Cora White'	3	KG			White fls
'Coral Mirjam'	3	KZ			Coral-pink fls
'Country'	3	CPVO; RHS	PBR EU 09/02/04 Rosborg		
'Creamed Scallops'	3	GW			Red fls; lvs with white margins
'Crenodaigremon- tiana'	21×6	<i>Port. Acta Biol. (A)</i> 9: 159–210 (1965); Jacobsen, 1974: 284		<i>Bryophyllum crenatum</i> × <i>B. daigremontianum</i>	Artificial hybrid from Lisbon Bot. Garden
'Cristina'		Oakleigh Plant List May 1980			
'Daldida'	3	CPVO	PBR pdg 2007 Fides		
'Dankalpi'	3	CPVO	2000 Dæhnfeldt		
'Dark Cora'	3	CPVO; RHS	PBR EU 08/12/03 KJ		

Cultivar	Sp.	References	PBR + Originator	Syn. / Group	Notes
'Dark Jodie'	38	CPVO	PBR 2007 KJ		
'Dark Star'	34	Les Taylor			
'Dawei'	24?	Acc. UCBC: 52.1075; ISI 29 (1958 Plant List)	Found by C.H. Lankester in Dawe's garden in Uganda	x dawei hort.; <i>K. somaliensis</i>	Lvs huge, blue-white; fls many white, very large. Plant up to 2m
'Debbie'	3/38	CPVO; KG; RHS	PBR EU 02/09/96 KJ		Brick-red fls, compact and free-branching
'Debora'	3	CPVO	PBR EU 17/08/05 Slijkerman		
'Delia'	3	CPVO; RHS	PBR EU 24/02/03 AB		
'Demi'	3	CPVO	PBR 2005 KJ		
'Desert Flame'	34	RHS			
'Dick Wright'	35	ABCN Cat. 1988: 68			Narrow lvs, with brown line along each margin
'Dion'	3	CPVO; KG	PBR EU 26/09/05 Fides	CALANDIVA® SOFT PINK; Roseflower Gp	Pink fls
'Dissecta'	33	Rauh, 1995: 197, f. 537		var. <i>dissecta</i> hort.	Lvs narrow with enlarged marginal teeth
'Diva'	3	GS; RHS	Licensed		Purple fls

Table 1. (cont.) *Kalanchoe* cultivars

Cultivar	Sp.	References	PBR + Originator	Syn. / Group	Notes
'Domonique'	3	CPVO	PBR ended 2001 KJ		
'Don Angelo'	3	CPVO	PBR pdg 2007 Knaap		
'Don Antonio'	3	CPVO	PBR EU 13/02/06 Knaap		
'Don Carlos'	3	CPVO	PBR pdg 2006 Knaap		
'Don Darcio'	3	CPVO	PBR pdg 2006 Knaap		
'Don Diego'	3	CPVO	PBR EU 13/02/06 Knaap		
'Don Domingo'	3	CPVO	PBR EU 13/02/06 Knaap		
'Don Frederico'	3	CPVO	PBR EU 13/02/06 Knaap		
'Don Garcia'	3	CPVO	2004 Knaap		
'Don Juan'	3	CPVO	PBR EU 13/02/06 Knaap		
'Don Leon'	3	CPVO	PBR ended 2004 Knaap		
'Don Martino'	3	CPVO	PBR pdg 2007 Knaap		

Cultivar	Sp.	References	PBR + Originator	Syn. / Group	Notes
'Don Miguel'	3	CPVO	PBR EU 13/02/06 Knaap		
'Don Ramon'	3	CPVO	PBR EU 13/02/06 Knaap		
'Don Sergio'	3	CPVO	PBR pdg 2007 Knaap		
'Dora'	3	CPVO	PBR ended 2004 KJ		
'Dorian Black'	30			<i>K. rauhii</i> hort.	
'Dorothy'	3	CPVO; KG; RHS	PBR ended 1997 Kuilboer		Bicoloured fls
'Dorry'	3	CPVO	PBR 2005 AB		
'Ekberg'	3	CPVO	PBR 2006 Fides		
'Elaine'	3/38	CPVO; KG; RHS	2001 AB		Bicoloured fls
'Elephanta'	36	Jumanery Cacti Nursery list July 1980	From Madagascar	<i>K. elephanta</i> hort.	'Fat tuber, nice lvs' (Jumanery)
'Elisa'	3	RHS	PBR ended 1999 KJ		
'Elizabeth'	3	CPVO	PBR ended 2004 KJ		
'Elsa'	3	CPVO; KG	PBR EU 22/05/06 KJ	Roseflower Gp	White fls

Table 1. (cont.) *Kalanchoe* cultivars

Cultivar	Sp.	References	PBR + Originator	Syn. / Group	Notes
'Elves Bells'			PBR Au 19/06/00 Churchus. Open-pollinated seedling of 'Pixie Bells'		Lvs: fleshy, glabrous, glossy, narrow elliptic to lanceolate, margins dentate lacking anthocyanin, RHS 147A lower side, 146A upper side. Fls: sepals 186A, urceolate tube 64A, pointed lobes 4B
'Emily'	3×17	CPVO	PBR 2004 KJ		
'Emma'	3	CPVO; RHS	PBR EU 19/07/04 Slijkerman		
'Engleri'	32	Graf, 1978: 684		<i>K. engleri</i> hort.	
'Eternity'	3		Mikkelson		Salmon fls
'European Clone'	35	GW			Lvs wide; bright white felt with black tips
'Eve'	3	CPVO; RHS	PBR ended 1998 KJ		
'Exotica'	3	Auburn	?Swiss origin		
'Fame'	3	COPF; KG			Orange fls
'Fang'	2	Les Taylor; Rauh, 1998: 302, f. 1105			Prominent tubercules on lf underside
'Fascination'	3		Mikkelson		Lavender fls
'Felleys Priority'	6			See text	

Cultivar	Sp.	References	PBR + Originator	Syn. / Group	Notes
'Feuerblüte'	3x9	Resende, 1956; Jacobsen, 1960: 609			
'Fiery Blossom'	3	Chiltern Seeds Cat. 1990: 111			Scarlet fls
'Figraciosa'	3	CPVO	PBR 2006 Fides		
'Fijolie'	3	CPVO	PBR pdg 2007 Fides		
'Fiveranda Dark Pink'	3x13	CPVO	PBR pdg 2006		
'Fiveranda Light Pink'	3x13	CPVO	PBR 2005 Fides	Veranda® series	
'Fiveranda Orange'	3x13	CPVO	PBR 2005 Fides	Veranda® series	
'Fiveranda Pink'	38	CPVO	PBR EU 17/08/05 Fides	Veranda® series	
'Fiveranda Red'	3x13	CPVO	PBR 2005 Fides	Veranda® series	
'Florence'	3	CPVO	PBR 2005 KJ		
'Florens'		Resende, 1956: 242			
'Flores'	3	RHS			
'Fonda'	3	GS; KG	PBR 2004 Fides	Roseflower Gp	Yellow fls
'Fortyniner'	3	RHS			Yellow fls
'Frieling's Sensation'	10	GW	Selected by Ken Frieling, USA		Fls salmon; lvs green centre with white margin
'Frodo'	3	CPVO	PBR EU 13/02/06 AB		
'Fuego'	3	CPVO; KG; Holimco	PBR EU 17/08/05 Fides		Deep orange fls

Table 1. (cont.) *Kalanchoe* cultivars

Cultivar	Sp.	References	PBR + Originator	Syn. / Group	Notes
'Fujicho'	15	Hirose & Yokoi 1998: 154, pl. 805		See text; cf. 'Pink Butterfly'	Variegated clone with pink buds on leaf margins
'Fushichonishiki'		Albino			
'Gabrielle'	3	CPVO; KG	PBR EU 17/08/05 KJ	Roseflower Gp	Red fls
'Galera'	3	CPVO; Holimco	PBR 2006 Fides		Orange fls
'Garbo'	3	CPVO; RHS	PBR ended 2002 Fides		
'Garnet'	3		Mikkelson		Bright red fls
'Gelai'	3	CPVO; KG; RHS	PBR ended 2002 Fides		Yellow fls
'Giant'	8	Graf, 1978: 689		May be <i>K. waldehimmii</i>	
'Gisil'	3	CPVO; RHS	PBR ended 2000 AV		
'Gitze'	3	CPVO; RHS	1998 Poulsen		
'Glabra'	3	Cat. Pl. 1990: 58 RBG Edinburgh			
'Gnome Slippers'	23× 28	GW			
'Gold Strike'	3	COPF; KG	Mikkelson	Prestige™ series	Golden yellow fls
'Golden African'	38	CPVO; RHS	PBR EU 05/06/00 KJ		

Cultivar	Sp.	References	PBR + Originator	Syn. / Group	Notes
'Golden Exotic'	38	CPVO	1996 KJ		
'Golden Eye'	38	CPVO	1996 MA		
'Golden Giant'	35	BGBM			Leaf tips brown when mature
'Golden Girl'	35	GW			Golden hairs
'Goldhybriden'	3x?	Jacobsen, 1960: 609			Golden-yellow fls
'Goldie'	3	CPVO; RHS	PBR ended 1997 KJ		
'Goldrand'		Haustein, <i>Kakt. und Sukk.</i> 11: 41 (1960)			
'Grace'	38	CPVO	PBR 2006 KJ		
'Greco'	3	CPVO; GS	PBR 2006 Fides	Calandiva Gp	Soft orange fls
'Gudrun'	38	CPVO	PBR 2005 KJ		
'Gummifera'	14?	Albino		<i>K. gummifera</i> hort.	
'Guntur'	3	CPVO; RHS	PBR ended 1987 Fides		Purple/blue fls
'Gurli'	3	GS	Licensed		Yellow fls
'Gwenn'	3	CPVO; KG; RHS	1999 AB		Pink fls
'Hakon'	3	CPVO; COPF; KG	PBR EU 18/04/05 Fides		Orange fls
'Hannah'	3	CPVO	2004 KJ		
'Hans Britsch'	35	ABCN Cat. 1988: 68			Broad lvs, particularly felted and hairy

Table 1. (cont.) *Kalanchoe* cultivars

Cultivar	Sp.	References	PBR + Originator	Syn. / Group	Notes
'Happy Bells'	38	CPVO; RHS	PBR EU 15/07/02 Fides		
'Hayworth'	3	CPVO; GS; KG; RHS	PBR EU 28/07/03 Fides	Calandiva® Red; Roseflower Gp	Red fls
'Heinrich Töpperwein'		Haustein, <i>Kakt. und Sukk.</i> , 11: 41 (1960)			Yellow fls
'Helene'	3	CPVO; KG; RHS	PBR EU 19/07/04 KJ		Bicoloured fls
'Heligoland'	3	KZ			Red fls
'Herfield'	12	Albino			Lvs very dissected
'Hillary'	3	CPVO; RHS	PBR EU 19/06/00 KJ		Deep orange fls
'Hispaneola'	35	ABCN Cat. 1978: 71 (ABCN 569)			
'Houghton's hybrid'	15	<i>Cact. Succ. J.</i> (Los Angeles) 78(2): 92-95 (2006)		See 'Hybrida'; previously placed in <i>Bryophyllum</i>	
'Hybrida'	15	Springate, 1995: 181; Jacobsen, 1960: f. 860			Made by A.D. Houghton in the early 1930s. See text
'Ihoso Purple'	7				See text
'Ilotide'	3	CPVO; KG; RHS	PBR EU 14/02/00 AB		Red fls
'Improberon'	3	CPVO	PBR pdg 2007 Fides		

Cultivar	Sp.	References	PBR + Originator	Syn. / Group	Notes
'Impromeru'	3	CPVO	PBR 2004 Fides		
'Indian Summer'	38	CPVO	PBR pdg 2006 Slijkerman		
'Ingrid'	3	CPVO; KG	PBR 2005 KJ		Yellow fls
'Inspiration'	3	RHS			
'Irmin'	3	CPVO	PBR 2005 AB		
'Isabella'	3	KZ			Red fls
'Isolde'	3	CPVO; RHS	PBR EU 24/02/03 AB		
'J.T. Baldwin'	15				See text
'Jackie'	3	CPVO	PBR 2006 KJ		
'Jacqueline'	3	KZ			Intense pink fls, dark green foliage
'Jane'	3	CPVO	PBR 2005 KJ		
'Jaws of Life'	15	GW			Pale lavender fls; lvs very long and narrow
'Jenna'	3	CPVO	PBR 2006 KJ		
'Jeplina'	3	CPVO; RHS	PBR ended 1998 KJ		
'Jepmoni'	3	CPVO; RHS	PBR ended 2000 KJ		
'Jepriet'	3	CPVO; RHS	PBR EU 04/02/02 KJ		
'Jodie'	3/38	CPVO; KG	PBR 2005 KJ	Roseflower Gp	Pink fls

Table 1. (cont.) *Kalanchoe* cultivars

Cultivar	Sp.	References	PBR + Originator	Syn. / Group	Notes
'Joo'	3	CPVO; RHS	2000 AB		
'Josefine'	3	CPVO; RHS	PBR EU 23/09/02 KJ		
'Judith'	39	CPVO	PBR 2005 KJ		
'Juist'	3	CPVO	2000 I&S		
'Juliana'	3	CPVO; RHS	PBR ended 1995 KJ		Red fls
'Julianatje'		CPVO; RHS	PBR ended 1999 KJ		
'Juventa'	3	KG		See also 'Kaminda'	Red fls
'Kabando'	38	CPVO	2000 KP		
'Kabasto'	3	CPVO	2000 KP		
'Kadone'	3	CPVO	2004 Knaap		
'Kadorso'	23				
'Kadorso'	34	CPVO; RHS	PBR EU 23/02/04 Knaap		
'Kafalda'	3	CPVO; RHS	PBR ended Knaap		
'Kalistos'	3	CPVO	PBR EU 07/02/05 AB		
'Kalonda'		COPF; CPVO	2000 KP	See also Toleda®	
'Kalotti'	3	CPVO	2001 KP		
'Kaluna'	3	CPVO	2007 Fides		

Cultivar	Sp.	References	PBR + Originator	Syn. / Group	Notes
'Kamasi'	3	CPVO	2003 Knaap		
'Kaminda'	3	CPVO; RHS	PBR EU 19/07/99 Knaap	See also Juventa®	
'Kanando'	3	CPVO	PBR EU 18/04/05 Knaap		
'Kaparro'	38	CPVO	2001 KP		
'Kaponti'	38	CPVO	2002 Knaap		
'Karasta'	38	CPVO	2000 KP		
'Karen'	3	CPVO; GS; KG	PBR EU 22/05/06 KJ	Calandiva Gp; Roseflower Gp	Yellow fls
'Karosti'	3	CPVO	2004 Knaap		
'Kartorta'		COPF		See also Venetia®	
'Kasito'	3	CPVO; RHS	PBR ended 1998 Knaap		
'Katharina'	3	KG; RHS	PBR EU 05/05/00 KJ		Pink fls
'Katharos'	3	CPVO; KG	PBR EU 07/02/05 AB		White fls
'Katla'	3	COPF			Pink fls
'Katondo'	3	CPVO	2001 KP Holland		
'Kartorta'	3	CPVO	PBR 2000 Knaap	Cf. 'Kartorta'	
'Kawi'	3	CPVO; KG	1996 Fides		Red-flowered sport of 'Kerinci'

Table 1. (cont.) *Kalanchoe* cultivars

Cultivar	Sp.	References	PBR + Originator	Syn. / Group	Notes
'Kazambi'	38	CPVO	2000 KP		
'Kazergo'	3	RHS	PBR EU 19/04/04 Knaap		
'Kazippo'	34	CPVO	PBR EU 17/03/05 Knaap		
'Kazona'	38	CPVO	2004 Knaap		
'Kelly'	3	CPVO	PBR 2006 KJ		
'Kerinci'	3	KZ		'Kerincy'	Light pink fls
'Kerincy'	3	KG		See 'Kerinci'	Pink fls
'Kerr'	3	COPF; CPVO; KG	PBR EU 17/08/05 Fides	CALANDIVA® CHARMING RED; Roseflower Gp	Red fls
'Keruna'	3	KG			Pink fls
Khamis muschate	1	Holy Gate Cacti Nursery List April 1976		Not a cultivar but collecting locality (Khamis Muschayt in SW Saudi Arabia)	
'Kiebessy'	3	KZ		Cf. 'Kiebussy'	Red fls
'Kiebussy'	3	COPF		Cf. 'Kiebessy'	
'Kirsten'					Pink fls, mini

Cultivar	Sp.	References	PBR + Originator	Syn. / Group	Notes
'KJ 20001 0934'	3			Contrary to /CNCP Art. 19.27 but may be established by statutory action if registered for PBR	
'KJ 20001 1195'	3	COPF		Contrary to /CNCP Art. 19.27; alt. name 'Carmen'	
'KJ 2002 0500'	3	COPF; CPVO	PBR ended 2003 KJ		
'KJ 2002 0501'	3	COPF			
'KJ 2002 0504'	3	CPVO	PBR ended 2003 KJ	= 'KJ20020504'	
'KJ 2002 0505'	3	CPVO	PBR ended 2005 KJ		
'KJ 2002 0517'	3	CPVO	PBR ended 2003 KJ		
'KJ 2002 0529'	3	COPF; CPVO	PBR ended 2003 KJ		
'KJ 2002 0534'	3	COPF			
'KJ 2002 0539'		COPF			
'KJ 2003 0551'	3	COPF			
'KJ 2003 0561'	3	COPF			
'KJ 98 073'		COPF			
'Klabat'	3/38	CPVO; KG; RHS	PBR EU 21/06/99 Fides		Bicoloured yellow/orange fls

Table 1. (cont.) *Kalanchoe* cultivars

Cultivar	Sp.	References	PBR + Originator	Syn. / Group	Notes
'Krystelpreuss'	3	Jacobsen, 1960: 609			
'Krystle'	3	CPVO; RHS	PBR EU 19/07/04 KJ		
'Kuni'	3	CPVO	PBR 2005 AB		
'Kylie'	3	CPVO; RHS	PBR EU 19/07/04 KJ		
'Kylle'	3	GS	Licensed		Yellow fls with orange centre
'La Douce'	3	COPF; CPVO; GS; KG; RHS	PBR EU 19/04/04 Fides	CALANDIVA™ PINK; Roseflower Gp	Pink fls
'Lanin'	3	CPVO; KG; RHS	PBR EU 19/07/99 Fides		Orange fls
'Laura'	3	CPVO; RHS	1998 Aardenburg		
'Laureen'	3	CPVO	PBR ended 2004 KJ		
'Lea'	38	CPVO	PBR 2005 KJ		
'Lemon African'	3	CPVO; RHS	KJ 1998		
'Leonardo'	3	COPF; CPVO; GS; KG; RHS	PBR EU 15/07/02 Fides	CALANDIVA™ PURPLE; Roseflower Gp	Purple fls
'Leuchtstern'	3	Haustein, <i>Kakt. und Sukk.</i> , 11: 41 (1960); Jacobsen, 1960: 609		f. <i>leuchtstern</i> hort.	

Cultivar	Sp.	References	PBR + Originator	Syn. / Group	Notes
'Lican'	3	CPVO; KG; RHS	PBR EU 21/05/01 Fides		Purple fls
'Light Jacqueline'	3	COPF			
'Lisbonensis'	3x6	Resende, 1956: 241–244		× <i>Bryokalanchoe lisbonensis</i> Resende <i>nom. nud.</i>	Parental cultivar: 'Feuerblüte'
'Liza'	3	CPVO; KG	PBR EU 17/08/05 KJ	Roseflower Gp	Purple fls
'Lizard'	38	CPVO	PBR EU 13/03/06 Knaap		
'Lokon'	38	CPVO; RHS	PBR EU 21/06/99 KJ		Light pink fls, compact
'Loren'	3	CPVO; GS	PBR 2006 Fides	Calandiva Gp	Light pink fls
'Love Bells'	23	Les Taylor			
'Lucky Bells'	31/ 38	CPVO; RHS	PBR EU 25/06/01 Fides	'K. rauhii' hort.	See text
'Lucky Island'	3	RHS			
'Madeleine'	38	CPVO; RHS	PBR ended 1996 MA		
'Magic Bell'		RHS			
'Majestic'	3			Prestige™	
'Malabar'	3	CPVO; KG; RHS	PBR EU 21/05/01 Fides		Red

Table 1. (cont.) *Kalanchoe* cultivars

Cultivar	Sp.	References	PBR + Originator	Syn. / Group	Notes
'Mandarin'					Orange fls, interesting habit
'Margarethe'					Red fls, mini
'Marginata'	8	GW; Graf, 1978: 689			Lvs with ivory margin, pink in strong light
'Mariko'		RHS			RHS Award of Garden Merit
'Maroon Krinkle'	3	GW			Fls brick orange; lvs undulate margin, coppery hue in strong light
'Martel'	3	CPVO; KG; RHS	PBR ended 2000 AB		Orange fls
'Mary'	3	CPVO; KG; RHS	PBR EU 19/07/04 KJ		Red fls
'Maurice Mason'	28	ABCN Cat. 1978: 71; Dorr, 1997: 298			Collected Madagascar, Feb. 1965 by M.L. Mason
'Maxi Bright Red'					
'Maxi Light Orange'					
'Maxi Neon Rose'					
'Maxi Orange Glow'					
'Maxi Red'	3				
'Maya'	3	KZ			Pink fls

Cultivar	Sp.	References	PBR + Originator	Syn. / Group	Notes
'Mayon'	3	CPVO	PBR pdg Fides		
'Mazurka'	3	Kientzler	Controlled pollination of 'Singapur' from seedling #2-19-84		Dwarf, bushy habit; dark green, broad elliptic lvs; RHS 57A on upperside petals, 57B & 62C on lowerside
'Melanie'	3x17	CPVO; KG	PBR ended 2004 KJ	Roseflower Gp	Pink fls
'Melody'	3	Auburn	Old cv, of ?Swiss origin		
'Mercedes'	38	CPVO	PBR 2006 KJ		
'Meru'	3	CPVO; GS; KG	2003 Fides		Rose white fls
'Mibripink'	3	CPVO; RHS	PBR ended 2000 Ogl.		
'Middler'	3	CPVO; COPF; GS; RHS	PBR EU 28/07/03 Fides	CAL™ WHITE WITH PINK	White & pink fls
'Midi Coral'	3	COPF			
'Midi Orange Glow'		COPF			
'Midi Pink Morning'		COPF			
'Midi Red Morning'	3	COPF			
'Midi Twilight'		COPF			
'Midler'	3	KG		Roseflower Gp	Bicoloured fls
'Mie'	3/38	CPVO; KG; RHS	PBR EU 05/10/98 KJ		White fls
'Mildred'	3	CPVO; RHS	PBR ended 1999 AB		Red fls

Table 1. (cont.) *Kalanchoe* cultivars

Cultivar	Sp.	References	PBR + Originator	Syn. / Group	Notes
'Mili'	3	GS	Licensed		White fls with pink centre
'Mili'	3	CPVO	KJ 2006		
'Milos'	3	CPVO; GS; KG	PBR EU 17/08/05 Fides		Yellow/orange fls
'Minima'	2	GW			
'Mipink'	3	CPVO; RHS	PBR ended 2000 Ogl.		
'Mipinkstar'	3	CPVO, RHS	PBR ended 2000 Ogl.		
'Mirabella'	3	KG			Red fls
'Mirabella Red'	23	CPVO	PBR 2004 Abildgaard		
'Mirabella White'	23	CPVO	PBR 2004 Abildgaard		
'Mirabella Yellow Orange'	23	CPVO	PBR 2004 Abildgaard		
'Miramini'	23	CPVO	PBR EU 18/03/02 Abildgaard		
'Miranda'	23	RHS	PBR		
'Miraval'		COPF			
'Mirjam'	3	KZ			Pink fls
'Misalpink'	3	CPVO	PBR ended 2000 Ogl.		
'Mississippi					Purple fls

Cultivar	Sp.	References	PBR + Originator	Syn. / Group	Notes
'Mistral'	3	KZ			Pink fls
'Misunpink'	3	CPVO; RHS	PBR ended 2000 Ogl.		
'Mithii'			Said to be registered and grown in Japan		
'MM-9314'	38		1995 Aardenburg		
'Molly'	3	CPVO; GS; KG; RHS	PBR EU 10/09/01 KJ		Dark red fls
'Mona'	3	CPVO; KG	PBR 2005 AB		Purple fls
'Monica'	3	COPF			
'Monique'	38	CPVO; RHS	PBR ended 1996 MA		
'Monroe'	3	COPF; CPVO; GS; KG; RHS	PBR EU 28/07/03 Fides	CALANDIVA™ WHITE; Roseflower Gp	White fls
'Monstrosa'	2			f. <i>monstrosa</i> hort.; cf. 'Nana'	
'Moon'	3	GS	Licensed		Creamy white fls
'Morning Sun'	3		Old cv, of ?Swiss origin		Yellow fls
'Mount Loa'	3	COPF			Red fls
'Mount Robson'	3	KZ			White fls
'Mühlenhöver'	3	Jacobsen, 1960: 609		'Typ Mühlenhöver'	Compact, sturdy

Table 1. (cont.) *Kalanchoe* cultivars

Cultivar	Sp.	References	PBR + Originator	Syn. / Group	Notes
'N3U39'	3	CPVO	PBR pdg 2006 GS		
'Nadia'	3	COPF; CPVO; RHS	PBR EU 19/06/00 KJ	NATHALIE™	Red fls
'Nadia 2000'	3	KG			Salmon fls
'Nana'	2	Rauh, 1998: 301, f. 1106, 1109, 1108			Very small monstrose form with tortuous lvs, glabrous to golden-bronze or white pubescent
'Nanta'	3	CPVO; RHS	PBR ended 2003 Fides		
'Nanth'	3	CPVO	PBR 2005 AB		
'Naomi'	3	CPVO; KG	PBR 2005 KJ	Roseflower Gp	Orange fls
'Napoleon's Hat'	2	GW			Rigid triangular lvs, dusky felted surface, margins entire
'Nathalie'	38	CPVO	1995 KJ	Cf. NATHALIE, ? syn. of 'Nadia'	
'Nemo'	3	COPF; CPVO; KG	PBR EU 17/08/05 Fides		Red fls
'Nicole'	3	CPVO; KG	PBR ended 2003 KJ	Roseflower Gp	Red fls
'Nigromarginata'	35			f. <i>nigromarginata</i> hort.	
'Norderney'	3	CPVO; RHS	PBR ended 2000 I&S		
'Novak'	3	CPVO	PBR 2006 Fides		

Cultivar	Sp.	References	PBR + Originator	Syn. / Group	Notes
'Nürnberg'		Haustein, <i>Kakt. und Sukk.</i> , 111: 41 (1960)			
'Oakleaf'	2	RHS		Oakleaf form	Lvs not as deeply or acutely dissected as 'Rose Leaf'
'Oberon'	3	CPVO	PBR 2006 Fides		
'Odal'	3	CPVO	PBR 2005 AB		
'Old Hat'	6				See text
'Opala'	3	CPVO	PBR pdg 2006 Fides		
'Orange African'	38	CPVO; RHS	PBR ended 1998 KJ		
'Orange Dorothy'	38	CPVO; RHS	PBR EU 24/02/03 Kuilboer		
'Orange Exotic'	38	CPVO	1996 KJ		
'Orange Josephino'	3	KG			Orange fls
'Orangery'	23x 16	Jankalski in <i>Cact. & Succ. J.</i> 78 (2), March 2006		HBC 94016; ISI 2006-24	Golden orange fls
'Oriba'	3	CPVO; GS; KG; RHS	PBR EU 31/12/02 Fides		Rose pink fls
'Orinoko'		COPF			Mid yellow fls, compact habit
'Oryx'	3/38	CPVO	PBR EU 13/03/06 Knaap		

Table 1. (cont.) *Kalanchoe* cultivars

Cultivar	Sp.	References	PBR + Originator	Syn. / Group	Notes
'Pablo'	3/38	CPVO; GS; RHS	PBR EU 30/08/00 Fides		Rose and white fls
'Pago'	3	COPF; CPVO; KG	PBR EU 17/08/05 Fides		Bicoloured fls
'Palerma'	3	KG			Bicoloured fls
'Panamensis'	2	GW			Deeply lobed, down-curved lvs, rich rusty-gold felt. Larger than 'Minima'. Topophysic cultivar propagated from apical shoot cuttings only
'Pandora'	3	CPVO; KG; RHS	PBR EU 28/07/03 AB		Purple fls
'Parcival'	3	CPVO; GS; KG; RHS	PBR EU 14/02/00 AB		Light orange to salmon fls
'Parina'	3	COPF; CPVO; KG	PBR EU 17/08/05 Fides		Purple fls
'Parsel Tongue'	15	ISI 2007-25 ; <i>Cact. & Succ. J. (LA) 79(2)</i> (Mar 2007)			See text
'Partridge'	24	CPVO	PBR EU 16/01/06 HU		Fls abortive apetalous. Grown for foliage; ?somatic hybrid or mutation breeding derived
'Patty'	3	CPVO; KG; RHS	PBR EU 18/12/00 AB		Red fls
'Paula'	3x17	CPVO	PBR ended 2004 KJ		
'Pearl Bells'					Upright habit, hanging flowers

Cultivar	Sp.	References	PBR + Originator	Syn. / Group	Notes
'Pedro Braso'	35	ABCN Cat. 1978: 71 (ABCN 568)			
'Pellinore'	3	CPVO; RHS	1999 AB		
'Petero'	3	COPE; CPVO; KG; RHS	PBR EU 21/05/01 Fides		Orange fls
'Pico'	3	COPE; KG			Orange fls
'Pinatubo'					
'Pink Butterfly'	15	Mak, H. <i>Photo Album of Succ. Pl.</i> 3 (2003)		'Pink Sparkler'; see text	Variegated; cf. 'Fujicho'
'Pink Panther'	3	CPVO	PBR pdg 2006 Slijkerman		
'Pink Sparkler'	15	ISI 2006		'Pink Butterflies'; see text	Variegated
'Pink Teeth'	15	ISI list 2003 – 32 (2006); <i>Cact & Succ. J.</i> (LA) 78(2): (March 2006); GW			Green lvs with pink margins at cool temperatures. See text
'Pink Zinfandel'	29x?	ISI 95-35; HBG 76237	Selected by Frank Crosby c. 1970		Lvs pink in sunlight
'Pinky'	3	GS	Licensed		Pink fls
'Pippi'	3	CPVO	PBR 2006 GS		
'Pippijn'	3	CPVO; KG; RHS	PBR EU 18/12/00 AB		Purple fls

Table 1. (cont.) *Kalanchoe* cultivars

Cultivar	Sp.	References	PBR + Originator	Syn. / Group	Notes
'Pixie Bells'					
'Pluto'	3	KG			White fls
'Polka'	3	Kientzier			
'Pollux'	3	RHS			
'Purple Jacqueline'	3	CPVO; KG; RHS	PBR EU 23/09/02 KJ		Purple fls
'Purple Mirjam'	3	KZ			Pink-purple fls
'Purpula'	3	KG			Purple fls
'Raco'	3	KZ			Red fls
'RB 321'	3	CPVO; RHS	PBR ended 2003 Rosborg		
'RB 715'	3	CPVO	PBR EU 18/04/05		
'RB 754	3	CPVO	2002 Rosborg		
'RB 1250'	3		2002 Rosborg		
'RB 2410'	3	CPVO; RHS	PBR EU 09/02/04		
'RB 4982 2D'	3	CPVO	PBR 2007 Rosborg		
'RB 6316 19'	3	CPVO	PBR EU 2005 Rosborg		

Cultivar	Sp.	References	PBR + Originator	Syn. / Group	Notes
'RB 6349 1'	3	CPVO	PBR EU 2005 Rosborg		
'RB 6428 4'	3	CPVO	PBR 2006 Rosborg		
'RB 6431 1'	3	CPVO	PBR EU 2005 Rosborg		
'RB 6492 3A'	3	CPVO	PBR pdg 2007 Rosborg		
'RB 6500 1'	3	CPVO	2006 Rosborg		
'RB 7353 1'	3	CPVO	PBR 2006 Rosborg		
'RB 7928 1'	3	CPVO	PBR 2006 Rosborg		
'RB 56141'	3	CPVO	PBR EU 27/02/06 Rosborg		
'RB 56142'	3	CPVO	PBR EU 27/02/06 Rosborg		
'RB 56431'	3	CPVO	PBR EU 27/02/06 Rosborg		
'Reapri'	3	CPVO; RHS	PBR ended 2000 Rosborg		
'Recurva'	2	ABCN Cat. 1988: 67		<i>f. recurva</i> hort.	'Attractive plant with recurved lvs' (ACBN); contrary to /CNCP Art. 19.13
'Red African'	38	CPVO; RHS	PBR ended 1996 KJ		
'Red Jacqueline'	3	CPVO; KG; RHS	PBR EU 10/09/01 KJ		Red fls

Table 1. (cont.) *Kalanchoe* cultivars

Cultivar	Sp.	References	PBR + Originator	Syn. / Group	Notes
'Red Lips'	34/ 22	Cotswold			Large red orbicular lvs like oysters, held vertically, to 18cm
'Red Mirjam Improved'	3	CPVO; RHS	PBR ended 1998 Aardenburg	Contrary to /CNCP Art. 19.20	'Attractive plant with recurved lvs'; contrary to /CNCP Art. 19.20
'Redracer'	38	CPVO	PBR EU 13/03/06 Knaap		
'Regitze'	3	CPVO	PBR pdg 2006 GS		
'Regulus'	3	RHS			
'Reliap'	3	CPVO	PBR ended 2000 Rosborg		
'Renate'	3	CPVO	PBR 2006 GS		
'Reored'	3	CPVO	2000 Dæhnfeldt		
'Resofap'	3	CPVO; RHS	PBR ended 2000 Rosborg		
'Revelry'	3	Missouri			
'Rewiros'	3	CPVO; RHS	PBR ended 2000 Rosborg		
'Ridge'	3	CPVO; KG; RHS	PBR EU 14/02/00 AB		Yellow fls
'Riet'	3	COPF; KG			Yellow fls

Cultivar	Sp.	References	PBR + Originator	Syn. / Group	Notes
'Rivalin'	3	CPVO; KG; RHS	PBR EU 14/02/00 AB		Red fls
'RMM-9403'	38	CPVO	1995 Aardenburg		
'Rosalina Don Antonio'	3	KG		Roseflower Gp	Purple fls
'Rosalina Don Domingo'	3	KG		Roseflower Gp	Orange fls
'Rosalina Don Frederico'	3	KG		Roseflower Gp	Yellow fls
'Rosalina Don Garcia'	3	KG		Roseflower Gp	Pink fls
'Rosalina Don Juan'	3	KG		Roseflower Gp	Red fls
'Rosalina Don Leon'	3	KG		Roseflower Gp	White fls
'Rosalina Don Ramon'	3	KG		Roseflower Gp	Purple fls
'Rosamba'	3	CPVO; RHS	PBR ended 2000 Rosborg		
'Rosana'	3	KG			Pink fls
'Rose African'	3	CPVO; RHS	PBR ended 1998 KJ		
'Rose Mary'	3/38	CPVO; RHS	1997 KJ		
Roseflower Gp	3	KG		Calandrina Gp, Rosalina Gp	Bicoloured flowers in softer shades (with multiple petaloid floral parts) than earlier single-flowered <i>blossfeldiana</i> types

Table 1. (cont.) *Kalanchoe* cultivars

Cultivar	Sp.	References	PBR + Originator	Syn. / Group	Notes
'Roseleaf'	2/? 2x35 2x19	Rauh, 1998: 300, f. 1107; GW; Graf, 1978: 686		'Rose Leaf', 'Rose- leaf'	Lvs deeply incised; mostly pale brown pubescence. Possibly applied to two different clones. In USA applied to a clone of var. <i>subnuda</i>
'Ross'	3	CPVO; COPF; KG	PBR EU 17/08/05 Fides	CALANDIVA® PINK PURPLE; Roseflower Gp	Purple fls
'Roxy'	38	CPVO; RHS	PBR 2001 Rosborg		
'Royalty'	3		Mikkelson		Fls rust-red
'Rubra'	29	GW			Burgundy lvs, pink fls
'Rubra'	30			<i>rauhii</i> var. <i>rubra</i> hort.	
'Rubra'	35			<i>tomentosa</i> var. <i>rubra</i> hort.	
'Runa'	3	CPVO	PBR 2005 AB		
'Rusty'	2	RHS			
'Sabine'	3		1998 KJ		
'Saki'	3	CPVO; RHS	PBR EU 19/07/04 Fides		
'Sandra'	3	KG		Roseflower Gp	Purple fls

Cultivar	Sp.	References	PBR + Originator	Syn. / Group	Notes
'Santorini'	3	KZ			Orange fls
'Sarah'	3	CPVO	PBR 2006 KJ		
'Segatini'		Monwenna Gdns list Jan 1973		<i>K. segatini hort.</i>	
'Segula'	3	COPF; KG			Pink fls
'Selekta'		<i>Le Bon Jardinier</i> : 1950			
'Selene'	3	CPVO	PBR ended 2004 AB		
'Semeru'	3/38	CPVO; KG; RHS	PBR EU 21 /06/99 Fides		Pink fls
'Sennyo no Mai Nishiki'	2	Hirose, Y. & Yokoi, M., 1998: 154			
'Sensation'	3	RHS	Mikkelson		Dark pink fls
'Sentosa'	3	RHS			
'Seraya'	3	RHS			
'Seyrigiji'	30	Rauh, 1998: 323; GW		<i>rosei var. seyrigiji</i>	
'Shala'	3	CPVO	2007 Fides		
'Shasta'	3	CPVO	PBR 2006 Fides		
'Shired'	3	CPVO; RHS	PBR ended 2000 Rosborg		
'Siam'	3	GS; RHS			
'Sig'	3	CPVO	PBR pdg 2006 AB		

Table 1. (cont.) *Kalanchoe* cultivars

Cultivar	Sp.	References	PBR + Originator	Syn. / Group	Notes
'Silver Spoons'	14	BGBM			
'Silvermint'	4	HBG list 2005 (HBG 54411)			Grey lvs with copper leaf margin; received from D. Hannon as <i>K. nadyae</i>
'Simone'	3/38	CPVO; GS; RHS	PBR EU 21/06/99 KJ		White fls
'Simone 2000'	3	COPF; KG			White fls
'Simonetwo'	3	CPVO; RHS	PBR EU 19/11/01 KJ		
'Singapore'	3	RHS			Red fls
'Singapur'	3				
'Snowdon'	3	CPVO; KG	PBR 2005 Fides		White fls
'Sofie'	3/38	COPF; CPVO	PBR EU 09/06/97 KJ		
'Soft Katharina'	3	CPVO; RHS	PBR EU 09/09/02 KJ		
'Soft Nathalie'	38	CPVO; RHS	PBR EU 05/06/00 KJ		
'Sophie'		RHS	PBR		
'Soret'	3	CPVO; RHS	PBR ended 2001 Fides		
'Sorrino'	3	CPVO	PBR 2006 Fides		
'Soul'	38	CPVO; RHS	PBR EU 15/07/02 Rosborg		
'Speak Mirjam'	3	KZ			Red fls

Cultivar	Sp.	References	PBR + Originator	Syn. / Group	Notes
'Spirit of 28'	7				See text
'Stained Glass'	3	GW			Fls red; lvs yellow-lime central zone
'Stephanie'	38	CPVO; RHS	PBR ended 1996 MA		
'Subnuda'	3	Rauh 1998: 300; Jacobsen, 1974: 283		var. <i>subnuda</i> Jacobs. <i>nom. nud.</i>	Lvs loosely white, pubescent on underside, nearly glabrous above
'Sumaco'	3	CPVO; RHS	PBR EU 21/05/01 Fides		
'Sunset'					Orange fls
'Super Duper'	34	Les Taylor			Large long green lvs, densely white-haired, dark brown tips
'Sussie'	3	CPVO	PBR ended 2005 KJ		
'Suzanne'	3x17	CPVO	PBR 2004 KJ		
'Tacora'	3	CPVO; RHS	PBR ended 1997 Fides		
'Tambora'	3	CPVO	PBR 2006 Fides		
'Tango'	38	CPVO	2001 Rosborg		
'Tanya'	38	CPVO	1996 MA		
'Taos'	3	CPVO	PBR 2006 Fides		
'Tarantella'	3		PBR Kientzler		
'Taylor'	3	CPVO; KG	PBR 2004 Fides	Roseflower Gp	Red fls

Table 1. (cont.) *Kalanchoe* cultivars

Cultivar	Sp.	References	PBR + Originator	Syn. / Group	Notes
'Telica'	3	CPVO	PBR 2006 Fides		
'Tencotta'	3/38	CPVO; RHS	PBR EU 21/06/99 Fides		Orange fls
'Tenflame'	3/38	COPF; CPVO	1998 Fides		Red fls
'Tenorio'	3	COPF; KG			Red fls
'Tenterra'	3	COPF; CPVO	1998 Fides		Orange fls
'Tessa'	11× 23	Cotswold; RHS			Large coral-pink fls, dusky pink foliage. RHS Award of Garden Merit
'Tetra Vulcan'	3	Auburn; RHS			
'Thebe'	3	KZ			Pink fls
'Theresa'	38	CPVO; RHS	PBR ended 1996 MA		
'Thiede'	3	Jacobsen, 1960: 609		'Typ Thiede'	Compact, firm stems
'Timor'	3	KZ			Purple fls
'Tinto'	3	CPVO; RHS	PBR ended 1998 Lars Rosborg		
'Toba'	3	CPVO	PBR EU 18/04/05 Fides		
'Tobo'	3	COPF			

Cultivar	Sp.	References	PBR + Originator	Syn. / Group	Notes
'Toleda'	3	KG		See also 'Kalonda'	Yellow fls
'Tom Thumb'	3	Auburn; Graf, 1978: 682			Fls red; an early cv
'Tomentosa'	35	GW		<i>tomentosa</i> var. <i>tomentosa</i>	Lvs very long; white-haired, lacking dark tips
'Tribute'	38	CPVO; RHS	PBR ended 1998	Triade	
'Triplioidea'	23	RHS; Jacobsen, 1974: 287		var. <i>triploidea</i> Mannoni & Boiteau 1948	
'Triorouge'	3	CPVO; GS; RHS	PBR ended 2000	Triade	
'Tropicana'	3	GZ	Mikkelson		Deep orange fls
'Tsukitofu Nishiki'	35	Hirose & Yokoi, 1998: 154, pl.804		epithet means Moon Rabbit Ear Brocade	
'Tuche'	3	CPVO; GS; KG; RHS	PBR EU 18/12/00	AB	Purple fls
'Tukitojinisiki'	35				Variegated lvs with green central zone, cream margins
'Variegata'	2	GW			Rhombic lvs with yellow-golden linear zones
'Variegata'	3	GS; RHS			Lvs yellow mottled

Table 1. (cont.) *Kalanchoe* cultivars

Cultivar	Sp.	References	PBR + Originator	Syn. / Group	Notes
'Variegata'	8	Springate, 1995: 182; GW		<i>Bryophyllum fedtschenkoi</i> 'Variegatum'	Lvs with central yellow zone
'Venetia'	3	KG		See also 'Kartorta'	Orange fls
'Victoria'	3	CPVO; RHS	PBR 2006 KJ		
'Viridis'	2	Graf, 1978: 684		as var. <i>viridis</i> hort.	
'Vivid'	3	Graf, 1978: 682			
'Vulcan'	3	Auburn; Graf, 1978: 685			
'Vulcan Geel'	3	Hay, 1974: pl. 308; <i>Euphytica</i> 31, pl. 1 (1982)			
'Vulcans'		Oakleigh Plant List May 1980			
'Waldan'	3	CPVO	PBR 2005 AB		
'Wedding'	3	CPVO	PBR pdg 2007 Slijkerman		
'Wendy'	26x 28	Springate, 1995: 181; RHS <i>Gard. Ency. Plants and Fls</i> : 384 (1989)			RHS Award of Garden Merit

Cultivar	Sp.	References	PBR + Originator	Syn. / Group	Notes
'White Cora'	3	CPVO; GS	PBR EU 18/04/05 KJ		White fls
'Winter Bells'	37	DG			Trailing, under 15cm; red fls
'Yazmin'	38	CPVO	PBR 2005 KJ		
'Yellow'	9	Graf, 1978: 682			
'Yellow Darling'	3	Auburn; Graf, 1978: 682			Yellow fls
'Yellow Josephine'	3	CPVO; RHS	PBR EU 19/07/04 KJ	'Yellow Josephine'	Yellow fls
'Yellow Josephine'	3	KG		cf. 'Yellow Josephine'	Yellow fls
'Yellow Nugget'	3	RHS			Frank Cosby, 1970 (acc. to R. Weld). Distr. 1995
'Yellow Tom Thumb'	3	Auburn			Yellow fls; an early cv
'Yuki'	3	CPVO; KG	PBR ended 2004 KJ	Roseflower Gp	White fls
'Zebedi'	23x?	Whitestone Gardens plant list 2004; RHS			Spontaneous hybrid; trailing; vermilion tubular fls; bulbils in infl.
'Zephyros'	3	CPVO; KG; RHS	PBR EU 10/09/01 AB		Red fls

New combinations in *Persicaria* and *Podophyllum*

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In the course of checking names of plants in cultivation from a variety of sources, such as plants added to the RHS's living and dried (herbarium) collections, those exhibited at RHS shows and those submitted by nurseries for the annual compilation of the *RHS Plant Finder*, inconsistencies between modern generic concepts and the current nomenclature are sometimes found. Major discrepancies are considered by the RHS's Advisory Panel on Nomenclature and Taxonomy (APONAT), which provides advice on the treatments that allow for the greatest stability of nomenclature for users while recognising those changes that increase our understanding of the natural relationships of the plants. These changes are reflected in the *RHS Plant Finder*. Minor changes which are necessary to bring overlooked names into line with well established treatments are published in *Hanburyana*. The first of these (Cubey, 2006) dealt with *Actaea*, *Justicia*, *Persicaria* and *Androsace*. The present paper tidies up some names in *Polygonum sensu lato* and *Podophyllum*.

***Persicaria* (L.) Mill.**

The segregation of *Persicaria* from *Polygonum* L. proposed by Ronse De Craene and Akeroyd (1988) has been accepted by Wilson (1990), Brummitt (1992) and Mabberley (1997). In following this, as well as Brummitt (*loc. cit.*) and Mabberley (*loc. cit.*) in including *Bistorta* Adans. and *Pleuropterypyrum* Gross within *Persicaria*, some further transfers are required and are provided below:

***Persicaria griffithii* (Hook. f.) Cubey comb. nov.**

Basionym: *Polygonum griffithii* Hook. f. in *Flora British India* 5: 54 (1886).

***Persicaria milletii* (H. Lév.) Cubey comb. nov.**

Basionym: *Bistorta milletii* H. Lév. in *Repertorium Specierum Novarum Regni Vegetabilis* **12**: 286 (1913).

***Persicaria nakaii* (Hara) Cubey comb. nov.**

Basionym: *Pleuropteryrum nakaii* Hara in *Journal of Japanese Botany* **7**: 231 (1934).

***Persicaria panjutinii* (Kharkev.) Cubey comb. nov.**

Basionym: *Polygonum panjutinii* Kharkev. in *Novitates Systematicae Plantarum Vasculares* **3**: 82 (1966).

***Podophyllum* L.**

Following recognition that *P. hexandrum* Royle should be used, in respect of priority of valid publication, instead of *P. emodi* Wall. (Shaw, 2002), *Podophyllum emodi* var. *chinense* has been recognised as *Podophyllum hexandrum* 'Chinense' as it had not been combined at varietal rank under *P. hexandrum*. However, recognition of this taxon as a cultivar is considered to be unhelpful. It has been collected in the wild on numerous occasions, under different collection numbers (Lord *et al.*, 2008) and is in itself variable and therefore likely to have cultivars selected from it. Julian Shaw (*loc. cit.*) records that William Stearn referred to this entity, but without formally recombining it. It is therefore combined here under *P. hexandrum*:

***Podophyllum hexandrum* Royle var. *chinense* (Sprague) W.T. Stearn ex Cubey comb. nov.**

Basionym: *Podophyllum emodi* var. *chinense* Sprague in *Curtis's Botanical Magazine* **146**: t.8850 (1920).

Podophyllum hexandrum var. *chinense* (Sprague) W.T. Stearn, in Shaw, J.M.H., *The Genus Podophyllum* (2002), nom. inval. Art. 33.4, 34.1.

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Designation of lectotype and nomenclatural standard for *Epimedium* × *versicolor* ‘Neosulphureum’

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Stearn in his monograph on *Epimedium* and *Vancouveria* (1938) described a new variety of the hybrid *Epimedium* × *versicolor* E. Morren. This variety, which he named *neo-sulphureum* (as “clon. δ”), appears to have arisen at the RHS Garden at Wisley, from where it was distributed to other gardens. In the recent monograph (Stearn, 2002), which largely reproduces the relevant text of the 1938 paper in the appendix on hybrids, the variety is designated as a cultivar (as ‘Neosulphureum’) of *E.* × *versicolor* but no standard specimen is cited. This note proposes a lectotype for the variety *neosulphureum* Stearn, which also serves as the nomenclatural standard if the taxon is treated as a cultivar.

In Stearn (1938), four “authentic specimens” are cited, deposited in the herbaria at Cambridge (**CGE**), Natural History Museum (**BM**), Kew (**K**) and in his own collection. These specimens are therefore syntypes from among which a lectotype may be designated if no holotype was indicated (*ICBN*, Art. 9.9). There are several collections at Kew; however, the above specimen was used to illustrate (Plate 31) the taxon in Stearn’s original description and has therefore been selected as the lectotype as follows:

Epimedium × *versicolor* E. Morren var. *neosulphureum* Stearn, *Journal of the Linnean Society of London, Botany* **51**: 519, 1938.

Lectotype: UK, Surrey, RHS Garden Wisley, coll. 1937 (**K**), *hic designatus*.

The label on the specimen is in dark blue ink in Stearn's handwriting as "× *Epimedium versicolor neo-sulphureum* Stearn. Cult. Royal Hort. Soc. Garden Wisley, Ripley, Surrey." with a pencil annotation "versicolor neo-sulphureum Wisley, 1937."

Since Div. V, Rule 2 of the *ICNCP* allows the type designated for a taxon under the Botanical Code (*ICBN*) to serve also as the nomenclatural standard, it is proposed here that the lectotype specimen designated above should also be the nomenclatural standard of the cultivar *Epimedium* × *versicolor* 'Neosulphureum'.

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Plants given RHS Exhibition Awards 2006–2007

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The following list of 178 awards has been compiled from the plant award descriptions written by Plant Committee Secretaries, or in the case of the Orchid Committee by Johan and Clare Hermans, for the period from September 2006 until the end of August 2007. Awards made prior to this that were confirmed during this period, following, for example, application or registration of a cultivar name, are also included.

References to further information and catalogued herbarium specimens and images relating to plant awards are included. Please note that where more than one specimen or image is catalogued for a plant, only one reference barcode has been given here. Anyone wishing to visit the Herbarium at Wisley, to view the herbarium specimens or images, should contact the Keeper of the Herbarium. Paintings are commissioned for many orchids that are given awards and these can be consulted by contacting the Lindley Library.

References such as 87D refer to colours in the RHS Colour Chart (Fifth edition, 2007)¹. For enquiries regarding these awards please email plantcommittees@rhs.org.uk or telephone 0845 260 9000. These will then be forwarded to the appropriate Plant Committee Secretary or member of staff.

The compiler is grateful for the co-operation of the other Plant Committee Secretaries, but would particularly like to thank Susan Grayer for co-ordinating the herbarium specimen and image references.

¹ Available from RHS Enterprises mail order (mailorder@rhs.org.uk or telephone 01483 211320)

Adenophora 'Amethyst'

Award of Merit as a flowering plant for exhibition. Exhibited by Mr F Garrett, Great Dixter, Northiam, Rye, East Sussex TN31 6PH on 20 June 2007.

Height 60cm. Leaves, 5 × 2.5cm, lanceolate, serrate, upper surface smooth, under surface paler green, rough, stiffly hairy, alternate, sessile. Terminal raceme (35cm long) on thin (3mm diameter), stiff, pale green stems. Flowers 3cm long, 1.5cm wide at tube and 4cm at mouth, funnel-shaped on thin pedicels, pale violet (87D). Best grown in a container. Flowering specimen [WSY0100373] in the RHS Herbarium (WSY).

Allium falcifolium

Certificate of Preliminary Commendation as a flowering plant for exhibition. Exhibited by Mr M Hopkins, Sienfield, Leschangie, Kemnay, Aberdeenshire AB51 5PP on 19 May 2007.

Bulbous perennial to 150mm. Leaves 2-3 per bulb, glaucous, pale green, glabrous, lanceolate, to 17mm wide, falcate. Stem laterally flattened, 10mm wide. Inflorescence of 30–40 flowers subtended by 2 scarios bracts. Flowers bell-shaped on pedicels to 25mm, 6-tepalled; tepals linear, recurved, 15mm long; anthers short and creamy white, filaments white; style simple, stigma violet-tipped. Further information in *The Alpine Gardener* 75(4): 523–4.

Anacamptis morio

Certificate of Preliminary Commendation as a hardy flowering plant for exhibition. Exhibited by Mr C Hardwick, Wolverhampton on 28 April 2007. Description and colour picture in *The Alpine Gardener* 75(4): 517–8. Flowering specimen [WSY0113666] in the RHS Herbarium (WSY).

Ancylostemon humilis

Botanical Certificate for its botanical interest. Exhibited by Mr B and Mrs M Wilson, Aberdeen, Scotland on 19 May 2007. Description in *The Alpine Gardener* 75(4): 535-6.

Androsace villosa* subsp. *taurica

Certificate of Preliminary Commendation as a hardy flowering plant for exhibition. Exhibited by Mr A Newton, Ponteland on 21 April 2007.

Perennial, cushion-forming plant, 80 × 160mm as exhibited. Rosettes compact, 10mm across appearing from short stolons. Leaves to 5 × 1mm, oblanceolate, obtuse, green but with very long, white, glandular, wavy hairs especially on the underside, apex and margins. Scape c. 15mm, erect, 3–5 flowered with long, white, patent hairs. Bracts sessile, elliptic, obtuse, 5 × 1mm. Pedicels shorter than bracts. Calyx united at base, lobes 3 × 1mm, oblong, obtuse, hairy. Corolla 11mm wide, deeply lobed; lobes obovate, apex truncate; white (155D) with a yellowish green eye turning red; thrum-eyed.

Anemone apennina 'Flore Pleno'

Certificate of Preliminary Commendation as a hardy flowering plant for exhibition. Exhibited by Mr R Drew, Laindon, Essex on 3 April 2007. Description and colour picture in *The Alpine Gardener* 75(4): 515–6. Flowering specimen [WSY0113679] and digital image [WSYD0001590] in the RHS Herbarium (WSY).

Anemone × lipsiensis 'Pallida' AGM

Award of Merit as a hardy flowering plant for exhibition. Exhibited by Prof. and Mrs D Rankin, Lasswade, Midlothian, Scotland on 14 April 2007.

Rhizomatous perennial to 150mm tall at anthesis. Stems upright, striate, sparsely hairy with a whorl of 3 stalked leaf-like bracts below the inflorescence, bracts split into 3, the central section stalked and all 3-lobed and sharply toothed. Pedicels c. 40mm, upright, slender sometimes with a pair of much reduced bracts; flowers solitary or in pairs to 30mm across with 5–8 rounded, clawed segments, pale yellow (4C) with numerous orangey-yellow stamens at the centre. Further information can be found in *The Alpine Gardener* 75(4): 488. Flowering specimen [WSY0099272] in the RHS Herbarium (WSY).

***Angraecum linearifolium* 'Tideswell'**

Botanical Certificate for its rarity in cultivation. Exhibited by Mr J Hermans, Enfield, Middlesex on 3 October 2006. Description and colour picture in *The Orchid Review* 115: 58.

× ***Angulocaste Augres* grex 'Grosnez'**

Award of Merit as a tender flowering plant for exhibition. Exhibited by the Eric Young Orchid Foundation, Jersey on 21 May 2007. Description and colour picture in *The Orchid Review* 115: 238. Digital image [WSYD0001586] in the RHS Herbarium (WSY).

Asperula boissieri

Certificate of Preliminary Commendation as a hardy flowering plant for exhibition. Exhibited by Mr A Spenceley, Whitby, North Yorkshire on 28 April 2007. Description and colour picture in *The Alpine Gardener* 75(4): 518–219. Flowering specimen [WSY0113664] in the RHS Herbarium (WSY).

Asplenium obtusatum* subsp. *obtusatum

Certificate of Preliminary Commendation as a foliage plant for exhibition. Exhibited by Mr G Downey, Frinton-on-Sea, Essex on 5 May 2007.

Rhizomatous fern. Leaves emerging from creeping rhizomes, to 270mm, stipe to c. 90mm with long, tapering, hyaline, brown paleae at the base; rachis with scattered small, brown paleae. Lamina ovate to deltoid in outline; pinnae c. 40mm at base, reducing towards the apex, ovate-oblong, obtuse, obliquely cuneate at base, crenate-serrate with a pale, pronounced midrib with a short, stout stalk. Sori covering midrib, following veins to within c. 2mm of the margins. Specimen [WSY0111182] and photographic slide [WSY0111061] in the RHS Herbarium (WSY).

Athyrium flexile

Certificate of Preliminary Commendation as a hardy foliage plant for exhibition. Exhibited by Mr H Shepherd, Bolton on 7 October 2006.

Low-growing fern to 90cm. Fronds yellow-green (146C), to 130 × 35mm, bipinnate, spreading; stipe short, to 10mm, covered with light brown scales; rachis dark green with occasional white hairs; pinnae towards the base crowded and deflexed becoming smaller and more distantly spaced above the middle giving an ovate-lanceolate outline; pinnules subequal, to 5 × 3mm, much reduced at apex, with 3–5 rounded teeth. Further information can be found in *The Alpine Gardener* 75(4): 497. Specimen [WSY0089911] in the RHS Herbarium (WSY).

***Bulbophyllum fletcherianum* 'Valmont'**

Botanical Certificate for the plant's special botanical interest; it is one of the giants of the genus with striking blue-green pendulous leaves. Exhibited by the Eric Young Orchid Foundation, Jersey on 12 September 2006. Description and colour picture in

The Orchid Review 114: 362–3. Photographic slide [WSY0101070] in the RHS Herbarium (WSY).

Campanula medium

Award of Merit as a flowering plant for exhibition. Exhibited by Mr F Garrett, Great Dixter, Northiam, Rye, East Sussex TN31 6PH on 20 June 2007. Much-branched, erect 110cm tall, 80cm at base, pyramidal flowering stem. Flowers 5 × 3.5cm, deep violet (87A/88A). Flowering specimen [WSY010037] in the RHS Herbarium (WSY).

Catasetum João Stivalli grex 'Celia'

Award of Merit as a tender flowering plant for exhibition. Exhibited by Mr M Hopkinson, Radcliffe-on-Trent, Nottinghamshire on 24 July 2007. Description and colour picture in *The Orchid Review* 115: 298–9.

Chrysanthemum 'Akilon Pink'

Certificate of Preliminary Commendation as a flowering plant for pot cultivation. Submitted to trial by FlorElite Plants, Rijnsburg, The Netherlands, trial number 57, and awarded on 26 September 2006. Belgian chrysanthemum, pink.

Chrysanthemum 'Allen Brown'

Certificate of Preliminary Commendation as a flowering plant for exhibition. Exhibited by Mr P Fraser, Blyth, Northumberland on 15 September 2006. Early-flowering outdoor intermediate: large-flowered; white.

Chrysanthemum 'Allyson Peace'

Certificate of Preliminary Commendation as a flowering plant for exhibition. Exhibited by Mr J Peace, Easington, County Durham on 8 September 2006. Early-flowering outdoor reflexed: large-flowered; yellow.

Chrysanthemum 'Bobby Swinburn'

Certificate of Preliminary Commendation as a flowering plant for exhibition. Exhibited by Mr H Lawson, Hartlepool on 2 November 2006. October-flowering incurved: medium-flowered; pink.

Chrysanthemum 'Caukeel Cracker'

Certificate of Preliminary Commendation as a flowering plant for cutting. Exhibited by Southway Nurseries, Cottingham, East Yorkshire on 8 September 2006. Early-flowering outdoor spray: single; bronze.

Chrysanthemum 'Creepers Dark Pink'

Certificate of Preliminary Commendation as a flowering plant for pot cultivation. Submitted to trial by Cleangro Ltd, Chichester, West Sussex, trial number 2, and awarded on 26 September 2006. Ground-cover cushion chrysanthemum; dark pink. Digital image [WSYD0001552] in the RHS Herbarium (WSY).

Chrysanthemum 'Creepers Pink'

Certificate of Preliminary Commendation as a flowering plant for pot cultivation. Submitted to trial by Cleangro Ltd, Chichester, West Sussex, trial number 1, and awarded on 26 September 2006. Ground-cover cushion chrysanthemum; pink. Digital image [WSYD0001553] in the RHS Herbarium (WSY).

Chrysanthemum 'Creepers Yellow'

Certificate of Preliminary Commendation as a flowering plant for pot cultivation. Submitted to trial by Cleangro Ltd, Chichester, West Sussex, trial number 4, and

awarded on 26 September 2006. Ground-cover cushion chrysanthemum; yellow. Digital image [WSYD0001554] in the RHS Herbarium (WSY).

***Chrysanthemum* 'Debbie Lynn'**

Award of Merit as a flowering plant for exhibition. Exhibited by Mr F Charlton, Sunderland on 8 September 2006. Early-flowering outdoor intermediate: medium-flowered; pink.

***Chrysanthemum* 'Dennis Turner'**

Certificate of Preliminary Commendation as a flowering plant for exhibition. Exhibited by Mr G Freestone, Nuneaton, Warwickshire on 8 September 2006. Early-flowering outdoor intermediate: medium-flowered; cream.

***Chrysanthemum* 'Domenico Orange'**

Certificate of Preliminary Commendation as a flowering plant for pot cultivation. Submitted to trial by FlorElite Plants, Rijnsburg, The Netherlands, trial number 56, and awarded on 26 September 2006. Belgian chrysanthemum; dark bronze.

***Chrysanthemum* 'Firecracker' AGM**

Award of Merit as a flowering plant for pot cultivation. Submitted to trial by Cleangro Ltd, Chichester, West Sussex, trial number 28, and awarded on 10 October 2006. Vigorous, compact plant to 41cm. Free-flowering, erect, compact sprays. Thin stalks to 12cm. Semi-double flowers to 5.8cm, florets 27 × 7mm of medium width, overlapping, blunt, flat florets indented at tip. Outer florets near to yellow (9A), inner florets yellow (9C), reverse between (9A) and (9B). Disc to 1.2cm, yellow (13A). Charm.

***Chrysanthemum* 'Freebird'**

Certificate of Preliminary Commendation as a flowering plant for exhibition. Exhibited by Mr P Fawcett, Cleckheaton, West Yorkshire on 17 November 2006. Indoor single: large-flowered; white.

***Chrysanthemum* 'Geoff Amos'**

Certificate of Preliminary Commendation as a flowering plant for exhibition. Exhibited by Mr H Lawson, Hartlepool on 2 November 2006. Indoor incurved: medium-flowered; yellow.

***Chrysanthemum* 'Gigi'**

Certificate of Preliminary Commendation as a flowering plant for pot cultivation. Submitted to trial by Yoder Toddington Ltd, Littlehampton, West Sussex, trial number 35, and awarded on 26 September 2006. Mid season cushion chrysanthemum; mid pink.

***Chrysanthemum* 'Golden Showers'**

Certificate of Preliminary Commendation as a flowering plant for exhibition. Exhibited by Mr R Coles, Raunds, Northamptonshire on 17 November 2006. Indoor single: medium-flowered; dark yellow.

***Chrysanthemum* 'Inez'**

Certificate of Preliminary Commendation as a flowering plant for pot cultivation. Submitted to trial by Yoder Toddington Ltd, Littlehampton, West Sussex, trial number 52, and awarded on 26 September 2006. Late season cushion chrysanthemum; yellow. Digital image [WSYD0001555] in the RHS Herbarium (WSY).

Chrysanthemum 'Intermezzo'

Certificate of Preliminary Commendation as a flowering plant for pot cultivation. Submitted to trial by Cleangro Ltd, Chichester, West Sussex, trial number 26, and awarded on 10 October 2006. Mid to late season cushion chrysanthemum; yellow. Digital image [WSYD0001556] in the RHS Herbarium (WSY).

Chrysanthemum 'Jazzy'

Certificate of Preliminary Commendation as a flowering plant for pot cultivation. Submitted to trial by Cleangro Ltd, Chichester, West Sussex, trial number 22, and awarded on 10 October 2006. Single cushion chrysanthemum; red.

Chrysanthemum 'Klara'

Certificate of Preliminary Commendation as a flowering plant for pot cultivation. Submitted to trial by Yoder Toddington Ltd, Littlehampton, West Sussex, trial number 54, and awarded on 26 September 2006. Mid season cushion chrysanthemum; yellow. Digital image [WSYD0001557] in the RHS Herbarium (WSY).

Chrysanthemum 'Kyoto'

Certificate of Preliminary Commendation as a flowering plant for exhibition. Exhibited by Mr L Youell, Norwich, Norfolk on 2 November 2006. Indoor, spider; light bronze.

Chrysanthemum 'Lydia Mannion'

Certificate of Preliminary Commendation as a flowering plant for exhibition. Exhibited by Mr K Dear, Great Sutton on 17 November 2006. Indoor single: medium-flowered; yellow-green.

Chrysanthemum 'Magical'

Certificate of Preliminary Commendation as a flowering plant for pot cultivation. Submitted to trial by Cleangro Ltd, Chichester, West Sussex, trial number 5, and awarded on 10 October 2006. Single cushion chrysanthemum; white.

Chrysanthemum 'Marji Evans'

Certificate of Preliminary Commendation as a flowering plant for exhibition. Exhibited by Mr J P Brook and Mr P Hayselden, Rotherham, South Yorkshire on 17 November 2006. Indoor single: medium-flowered; purple.

Chrysanthemum 'Marlene'

Certificate of Preliminary Commendation as a flowering plant for pot cultivation. Submitted to trial by Yoder Toddington Ltd, Littlehampton, West Sussex, trial number 44, and awarded on 26 September 2006. Mid season cushion chrysanthemum; dark red. Digital image [WSYD0001558] in the RHS Herbarium (WSY).

Chrysanthemum 'Michele'

Certificate of Preliminary Commendation as a flowering plant for pot cultivation. Submitted to trial by Yoder Toddington Ltd, Littlehampton, West Sussex, trial number 49, awarded on 13 September 2006. Early season single cushion chrysanthemum; yellow. Digital image [WSYD0001559] in the RHS Herbarium (WSY).

Chrysanthemum 'Myss Debbie'

Certificate of Preliminary Commendation as a flowering plant for exhibition. Exhibited by Southway Nurseries, Cottingham, East Yorkshire on 8 September 2006. Early-flowering outdoor spray: intermediate; yellow.

***Chrysanthemum* 'Natalie Sarah'**

Certificate of Preliminary Commendation as a flowering plant for exhibition. Exhibited by Mr V Aldred, Dronfield, Derbyshire on 8 September 2006. Early-flowering outdoor spray: single; white.

***Chrysanthemum* 'Syllabus' AGM**

First Class Certificate as a flowering plant for pot cultivation. Submitted to trial by Cleangro Ltd, Chichester, West Sussex, trial number 16, awarded on 26 September 2006. Vigorous, compact plant to 39.5cm. Free-flowering; inflorescences in erect, compact sprays on thin stalks. Single flowers to 5.4cm, deeper than red purple 71C, reverse red purple N74D, long florets, overlapping, blunt, many spooned. Disc 1.5cm, yellow 13B. Digital image [WSYD0001560] in the RHS Herbarium (WSY).

***Chrysanthemum* 'Sylvia Bryans'**

Certificate of Preliminary Commendation as a flowering plant for exhibition. Exhibited by Mr G Freestone, Nuneaton, Warwickshire on 2 November 2006. Indoor intermediate: large-flowered; red-purple.

***Chrysanthemum* 'Trendy Time'**

Certificate of Preliminary Commendation as a flowering plant for exhibition. Exhibited by Mr L Youell, Norwich, Norfolk on 2 November 2006. Indoor spray; light bronze.

***Chrysanthemum* 'Twyford Gold'**

Certificate of Preliminary Commendation as a flowering plant for exhibition. Exhibited by Mr R Coles, Raunds, Northamptonshire on 2 November 2006. Indoor single: medium-flowered; yellow.

***Chrysanthemum* 'Winsome'**

Certificate of Preliminary Commendation as a flowering plant for exhibition. Exhibited by the National Chrysanthemum Society on 2 November 2006. Indoor, spider; pink.

***Chrysanthemum* 'Zoe Russell'**

Certificate of Preliminary Commendation as a flowering plant for exhibition. Exhibited by Mr R Coles, Raunds, Northamptonshire on 2 November 2006. Indoor single: large-flowered; light pink.

Colchicum speciosum

First Class Certificate as a flowering plant for exhibition. Exhibited by The Director, Royal Botanic Gardens, Kew, Richmond, Surrey on 12 September 2006. Description and colour picture in *The Alpine Gardener* 75(4): 478–80.

Coris monspeliensis

Certificate of Preliminary Commendation as a flowering plant for exhibition. Exhibited by The Director, Royal Botanic Gardens, Kew, Richmond, Surrey on 21 May 2007.

Woody-based perennial. Leaves sessile 10 × 1mm, parallel-sided, acute, glabrous, subrevolute, alternate. Stems strongly ascending at tips, minutely pubescent. Inflorescence a dense raceme to 30mm long, opening from the base upward. Calyx campanulate with two rows of teeth; outer row numerous, spinose, becoming reflexed at anthesis, inner row 5, triangular, acute with a minute margin of white hairs and a purple dot in the centre of each section. Corolla purple (88D) at the apex fading to white at the base with a thin violet midrib, to 15mm long, strongly 2-lipped, upper lip with 3 lobes, 6 × 2mm, split to c. one third; lower lip with 2 horizontal lobes c. 4 × 1mm split to c. halfway, carried horizontally. Further information and a colour

picture can be found in *The Alpine Gardener* 75(4): 528. Digital image [WSYD1587] in the RHS Herbarium (WSY).

Cotoneaster sikangensis

Award of Merit as a hardy fruiting plant for exhibition. Exhibited by Mr C R Sanders, 8 Hartlands Road, Eccleshall, Staffordshire ST21 6DW on 10 November 2006.

Deciduous shrub native to W China, first introduced by Dr H Smith in 1934. This exhibit had been raised from seed collected in Zhongshan Park, Beijing. Leaves alternate, simple, entire, ovate-elliptic, acuminate to acute, 4–6cm long, about twice as long as broad, sparsely hairy above, loosely felted below, with 5 or 6 pairs of veins, curving towards tip, prominent below, slightly impressed above. Petioles short, to 5mm, tomentose, tinged red. Young shoots glossy purplish brown, with scattered shaggy hairs and few prominent lenticels, older shoots dark brown, becoming hairless. Fruit scarlet (red group 44A/B), subglobose to obovoid, glabrous to sparsely pubescent, to 10mm diameter, pyrenes 4–5, borne in cymes of about 4 to 10 fruits, with pedicels 2–5mm. Fruiting specimen [WSY0089923] and digital image [WSYD0001591] in the RHS Herbarium (WSY).

***Crocus korolkowii* 'Snow Leopard'**

Certificate of Preliminary Commendation as a flowering plant for exhibition. Exhibited by Mr A M Edwards, Tryfan, Burney Road, Westhumble, Dorking, Surrey RH5 6AT on 16 January 2007. Description and colour picture in *The Alpine Gardener* 75(4): 500–1. Flowering specimen [WSY0096669] and digital image [WSYD0001576] in the RHS Herbarium (WSY).

Cyclamen peloponnesiacum* subsp. *vididum

Award of Merit as a hardy flowering plant for exhibition. Exhibited by Mrs J Bishop, Lightwater, Surrey on 3 April 2007. Description and colour picture in *The Alpine Gardener* 75(4): 485–6. Flowering specimen [WSY0111179] and digital image [WSYD0001588] in the RHS Herbarium (WSY).

***Crocus tommasinianus* 'Lyn's Pink'**

Certificate of Preliminary Commendation as a hardy flowering plant for exhibition. Exhibited by Mrs J Wyllie, Dunblane, Scotland on 17 February 2007.

Bulbous perennial to 115mm at anthesis. Leaves 3 per bulb, narrow 80 × 2.5mm. Flowers 1–3 per bulb, dusky pink (81D) darker (81B) on the tepal tip with a white throat. Flower to 60mm across, tepals 36 × 12mm wide. Anthers and pollen yellow, filaments white. Stigma trifid, orange. Further information can be found in *The Alpine Gardener* 75(4): 507. Flowering specimen [WSY0111181] in the RHS Herbarium (WSY).

***Cryptochilus sanguineus* 'Herrenhausen'**

Botanical Certificate in recognition of the peculiar morphological feature of bright red tubular flowers. Exhibited by Herrenhausen Garden, Hanover, Germany on 16 June 2007. Description and colour picture in *The Orchid Review* 115: 295.

Cyclamen graecum* subsp. *anatolicum

Award of Merit as a flowering plant for exhibition. Exhibited by Mr I Robertson, Shaftesbury on 30 September 2006.

Tuberous perennial to 340mm across as exhibited. Leaves to c. 50 × 50mm with light green and silver markings, deeply cordate, obscurely angular, apex blunt, margin with small, rounded teeth that do not overlap, adaxial surface very shortly pubescent,

abaxial surface glabrous except on the veins towards the base. Flowers borne singly, drooping stems slender to c. 70mm, dark with short, patent hairs; calyx covered with short, white hairs, lobes separated nearly to the base, long-ovate, blunt-tipped, margins scarious; corolla purple (75B), darker red-purple (74B) at the mouth, united into a tube for c. 5mm, lobes to 20mm, oblong to obovate, blunt-tipped, reflexed, sinuate, twisted. Further information can be found in *The Alpine Gardener* 75(4): 482-3. Flowering specimen [WSY0099055] in the RHS Herbarium (WSY).

Cyclamen graecum* subsp. *candicum

First Class Certificate as a hardy flowering plant for exhibition. Exhibited by Dr and Mrs R Wallis, Carmarthen on 30 September 2006.

Tuberous perennial to 240mm across as exhibited. Leaf blade c. 30 × 15mm, shallowly cordate, apex pointed, margins with square teeth more or less alternating with much smaller, rounded teeth, upper surface with very short hairs, underside with very short hairs towards the base; petiole to 45mm with short, patent hairs. Flowers borne singly, drooping; stems slender to c. 80mm with short, patent, white hairs; calyx covered with short, white hairs, lobes separated nearly to the base, long-ovate, blunt-tipped, margins scarious, corolla red-purple (65D), darker red-purple (61A) at the mouth, united into a tube c. 7mm, c. 20 × 5mm, narrow oblong-obovate, apex rounded to faintly notched, reflexed, sinuate, twisted. Further information and a colour picture can be found in *The Alpine Gardener* 75(4): 480–1. Flowering specimen [WSY0099068] and photographic slide [WSY0094728] in the RHS Herbarium (WSY).

***Cymbidium cochleare* 'Brenda'**

Botanical Certificate to an interesting species described almost 150 years ago and thought desirable to bring into general cultivation. Exhibited by Mr M Penny, Mitcham, Surrey on 5 December 2006. Description and colour pictures in *The Orchid Review* 115: 117–8. Flowering specimen [WSY0100784] in the RHS Herbarium (WSY).

***Dahlia* 'Blyton Softer Gleam'**

Award of Merit as a flowering plant for exhibition. Raised and exhibited by Mr L Stothard, 88a High Street, Blyton, Gainsborough, Lincolnshire DN21 3LA on 28 September 2007. Small ball; inflorescence 160mm in diameter, florets yellow (2B) darkening (to 15A) at the tips and becoming darker orange (N25A) at the centre of the bloom. Digital image [WSYD0001602] in the RHS Herbarium (WSY).

***Dahlia* 'Ryecroft Jan'**

Award of Merit as a flowering plant for exhibition. Raised and exhibited by Mr P Godsmark, Ryecroft Dahlias, 21 Spierbridge Road, Storrington, Sussex RH20 4PG on 5 September 2007. Miniature ball; inflorescence 90mm in diameter, florets creamy white (155A). Flowering nomenclatural standard specimen [WSY0100328] in the RHS Herbarium (WSY).

***Dahlia* 'Trelyn Kiwi'**

Award of Merit as a flowering plant for exhibition. Raised by Mr R Tudor and exhibited by Winchester Growers, Varfell Farm, Long Rock, Penzance, Cornwall TR20 8AQ on 5 September 2007. Cactus, small; inflorescence 140mm in diameter, florets very pale lilac (76D), the inner florets becoming more purple (81B). Digital image [WSYD0001603] in the RHS Herbarium (WSY).

***Dahlia* 'Will's Ringwood Rosie'**

Award of Merit as a flowering plant for exhibition. Raised and exhibited by Mr D G Williams, 104a Woolsbridge Road, Ringwood, Hampshire BH24 2LZ on 28 September

2007. Pompon; inflorescence 45mm in diameter, florets yellow (13C) tipped red (45C). Flowering nomenclatural standard specimen [WSY0100366] in the RHS Herbarium (WSY).

***Daphne* × *whiteorum* 'Beauworth'**

Award of Merit as a flowering plant for exhibition. Exhibited by Mr A R White, Alresford, Hampshire on 7 July 2007.

Compact, evergreen shrub, 130mm tall as exhibited. Shoots angled, reddish brown with occasional appressed, white, eglandular hairs. Leaves alternate to subopposite, 12 × 2mm, oblanceolate, obtuse to acute, base long cuneate, margins and midrib thickened on the underside, dark green, slightly paler beneath, subglabrous. Flowers in terminal, four-flowered clusters, sessile, upward-facing; tube narrow, 12 × 2.5mm, pink (close to 74D), with an even covering of white, appressed and patent hairs; lobes usually four, orbicular, c. 3 × 3mm, wavy-edged, with a short, blunt tip. Further information and a colour picture can be found in *The Alpine Gardener* 75(4): 492–3. Flowering specimen [WSY0100306] and photographic slide [WSY0099148] in the RHS Herbarium (WSY).

Daubenyia marginata

Botanical Certificate for its rarity in cultivation. Exhibited by Mrs C M Coller, Norwich, Norfolk on 4 March 2006. Description and colour picture in *The Alpine Gardener* 74(4): 519–20. Photographic slide [WSY0094712] in the RHS Herbarium (WSY).

***Dendrobium glomeratum* 'Golden Gate'**

Award of Merit as a tender flowering plant for exhibition. Exhibited by Mr T Perlite, Golden Gate Orchids, San Francisco on 21 May 2007. Description and colour picture in *The Orchid Review* 115: 236, 238.

***Dendrobium tobaense* 'Weimin'**

Award of Merit as a tender flowering plant for exhibition. Exhibited by Dr C-Y Khoo, Winchester, Hampshire on 24 July 2007. Description and colour picture in *The Orchid Review* 115: 298–9.

***Dianthus* 'Anders Cherry Ripe'**

Certificate of Preliminary Commendation as a flowering plant for exhibition. Raised by Mr T Derrick and exhibited by Mr B Gamble, Hull on 10 July 2007. Garden pink; rich cherry-red self (closest to 53C, blushed 45B). Digital image [WSYD0001593] in the RHS Herbarium (WSY).

***Dianthus* 'Bofield Kastancia'**

Certificate of Preliminary Commendation as a flowering plant for exhibition. Raised and exhibited by Mr P Booker, 15 Kings Road, Barnetby le Wold, North Lincs DN38 6HF on 21 May 2007. Dwarf/miniature pink; flowers single, 3.5cm diameter, deep pink (68A) with red eye (60A). Digital image [WSYD0001566] in the RHS Herbarium (WSY).

***Dianthus* 'Bofield Louisa'**

Certificate of Preliminary Commendation as a flowering plant for exhibition. Raised and exhibited by Mr P Booker, 15 Kings Road, Barnetby le Wold, North Lincs DN38 6HF on 21 May 2007. Dwarf/miniature pink; flowers single, 3.7cm diameter, light purple-pink (closest to 76D) blushed purple (77B), with reddish purple (N78) ring at eye. Digital image [WSYD0001567] in the RHS Herbarium (WSY).

***Dianthus* 'Bofield Sadie'**

Certificate of Preliminary Commendation as a flowering plant for exhibition. Raised and exhibited by Mr P Booker, 15 Kings Road, Barnetby le Wold, North Lincs DN38 6HF on 21 May 2007. Dwarf/miniature pink; flowers single, 3.7cm diameter; pale pink (75D) with very dark red eye (darker than 59A). Digital image [WSYD0001568] in the RHS Herbarium (WSY).

***Dianthus* 'Camilla West'**

First Class Certificate as a flowering plant for exhibition. Raised and exhibited by Mr M Woodfield, Clifford Chambers, Stratford-on-Avon, Warwickshire CV37 8HR on 10 July 2007. Perpetual flowering carnation; flowers soft pink self (38D). Flowering specimen [WSY0100269] and digital image [WSYD0001594] in the RHS Herbarium (WSY).

***Dianthus* 'Caroline Woodfield'**

Certificate of Preliminary Commendation as a flowering plant for exhibition. Raised and exhibited by Mr M Woodfield, Clifford Chambers, Stratford-on-Avon, Warwickshire CV37 8HR on 21 May 2007. Perpetual flowering carnation; flowers fully double, 9.5cm in diameter, 6.5cm in depth, glowing pink self (52A). Flowering specimen [WSY0100132] and digital image [WSYD0001595] in the RHS Herbarium (WSY).

***Dianthus* 'Conwy Star'**

Award of Merit as a hardy flowering plant for exhibition. Exhibited by Miss C Oates, Scunthorpe on 28 April 2007.

Perennial forming a domed clump, 80 × 260mm as exhibited. Leaves linear-lanceolate, blade c. 15 × 1mm, blunt at apex with a conspicuous midvein, margins thickened with numerous, regular, very small teeth, base clasping stem. Flowering stem to 50mm with 2 pairs of leaves. Epicalyx segments to 8mm, reddish, acuminate. Calyx to 10mm with pale veins, lobes triangular with hyaline margins. Flowers single, c. 10mm across, purplish pink (N74B), margins wavy. Further information and a colour picture can be found in *The Alpine Gardener* 75(4): 490–1. Flowering specimen [WSY0113665] in the RHS Herbarium (WSY).

***Dianthus* 'Crompton Classic'**

Certificate of Preliminary Commendation as a flowering plant for exhibition. Raised by Mr C Short and exhibited by Mr V Borrett, 2 Heron Avenue, Thrapston, Northamptonshire NN14 4JF on 20 June 2007. Perpetual flowering carnation; flowers fully double, 7.6cm in diameter; white ground, edged and ticked purple-red (71B). Digital image [WSYD0001596] in the RHS Herbarium (WSY).

***Dianthus* 'Leon Tautz' AGM**

Award of Merit as a flowering plant for exhibition. Raised by Mr P Russell and exhibited by Mr D Clarke, Worcestershire on 20 June 2007. Border carnation; flowers fully double, 7.5cm diameter; white ground, edged and flecked deep red (53A–59A). Digital image [WSYD0001597] in the RHS Herbarium (WSY).

***Dianthus* 'Linfield Julie'**

Certificate of Preliminary Commendation as a flowering plant for exhibition. Raised and exhibited by Mr J Linnell, 'Linfield', Duncote, Towcester, Northamptonshire NN12 8AH on 21 May 2007. Garden pink; semi-double, 5.5cm diameter, very pale pink (closest to 76D) with dark red (59A) eye and picotee. Flowering specimen [WSY0100159] and colour print [WSY0100129] in the RHS Herbarium (WSY).

***Dianthus* 'Margaret Taylor'**

Award of Merit as a flowering plant for exhibition. Raised by Mr Terry Pepper and exhibited by Mr J Linnell, 'Linfield', Duncote, Towcester, Northamptonshire NN12 8AH on 20 June 2007. Garden pink; flowers fully double, 5cm diameter, bright crimson self (closest to but richer than 53C) blushed paler (45C). Digital image [WSYD0001598] in the RHS Herbarium (WSY).

***Dianthus* 'Oakwood Candy'**

Certificate of Preliminary Commendation as a flowering plant for exhibition. Raised by Mr S Hall and exhibited by Mr N Smith, 9 Booth Rise, Northampton NN3 6HP on 20 June 2007. Garden pink; flowers fully double, 5cm diameter; light pink (38D) ground, ticked and streaked rust-red (43B). Digital image [WSYD0001599] in the RHS Herbarium (WSY).

***Dianthus* 'Spinfield Joy' AGM**

Award of Merit as a flowering plant for exhibition. Raised by Mr P Russell and exhibited by Mr P Booker 15 Kings Road, Barnetby le Wold, North Lincs DN38 6HF on 10 July 2007. Border carnation; flowers double pale yellow (2D) ground, flecked and margined maroon (61A). Digital image [WSYD0001600] in the RHS Herbarium (WSY).

***Dianthus* 'Sutton Pamela Flett Supreme'**

Certificate of Preliminary Commendation as a flowering plant for exhibition. Raised by Mr N Newby and exhibited by Mr J Linnell, 'Linfield', Duncote, Towcester, Northamptonshire NN12 8AH on 20 June 2007. Garden pink; flowers fully double; 5cm diameter; pale pink ground, with dense, even markings of deep salmon. Digital image [WSYD0001601] in the RHS Herbarium (WSY).

***Dianthus* 'Woodfield's Clove'**

Certificate of Preliminary Commendation as a flowering plant for exhibition. Exhibited by Mr M Woodfield, Wood End, Clifford Chambers, Stratford-upon-Avon, Warwickshire on 21 May 2007. Perpetual flowering carnation; flowers fully double, deep velvety-red (53A) self; clove-scented. Flowering specimen [WSY0100162] and digital image [WSYD0001570] in the RHS Herbarium (WSY).

***Dionysia* 'Ewesley Lambda'**

Certificate of Preliminary Commendation as a flowering plant for exhibition. Exhibited by Mr and Mrs P Ranson, Chippingham, Wiltshire on 3 March 2007.

Cushion-forming perennial, to 30mm high as exhibited. Leaves in dense basal rosettes, c. 15mm across, oblong-obovate, 6 × 2mm, dark green with very short white hairs. Scape 1-flowered. Corolla 12mm across with a long tube to 13mm, expanding around the anthers 3mm below the spreading lobes, tube violet with some short, white hairs; lobes 5 × 5mm with a Y-shaped notch, violet (84C), darker towards the centre (14B) with a white eye. Further information and a colour picture can be found in *The Alpine Gardener* 75(4): 509–10. Flowering specimen [WSY0099081] and photographic slide [WSY0099140] in the RHS Herbarium (WSY).

Dionysia sarvestanica

Certificate of Preliminary Commendation as a flowering plant for exhibition. Exhibited by The Director, Royal Botanic Gardens, Kew, Richmond, Surrey on 13 February 2007. Description and colour picture in *The Alpine Gardener* 75(4): 505–6. Flowering specimen [WSY0099060] and digital image [WSYD0001589] in the RHS Herbarium (WSY).

Draba rigida

Certificate of Preliminary Commendation as a hardy flowering plant for exhibition. Exhibited by The Director, Royal Botanic Gardens, Kew, Richmond, Surrey on 13 March 2007.

Cushion-forming perennial. Leaves in rosettes arising from a whorl of dead, brown leaves, greyish green, covered in long, curly, white eglandular hairs. Peduncles and pedicels glabrous; sepals to 2mm long with hyaline margins and occasional long hairs. Flowers clear, bright, shining yellow (between 3A and 6A), petals truncate to faintly notched. Flowering specimen [WSY0099079] in the RHS Herbarium (WSY).

Empodium flexile

Certificate of Preliminary Commendation as a flowering plant for exhibition. Exhibited by Dr and Mrs R Wallis, Carmarthen on 30 September 2006. Description and colour picture in *The Alpine Gardener* 75(4): 496–7. Photographic slide [WSY0094725] in the RHS Herbarium (WSY).

Eucomis autumnalis* subsp. *amaryllidifolia

Certificate of Preliminary Commendation as a flowering plant for exhibition. Exhibited by Dr and Mrs R Wallis, Carmarthen on 7 July 2007.

Bulbous perennial to 140mm as exhibited. Leaves 6–8 per bulb, held horizontally at anthesis, to 130 × 60mm, fleshy, terminating in a point, margins entire but with small, narrow, tight undulations, mid green with a paler midrib. Scapes solitary, short, c. 50mm, fleshy. Inflorescence a dense cylindrical raceme to 60mm long, of 30 or more flowers, overtopped by a cluster of leafy elliptic-ovate bracts to 20mm long; bracts subtending flowers much smaller, broad-based, 3 × 2mm with an acute tip and scarios margins; flowers on narrow pedicels to 5mm, campanulate, c. 10mm across, with 6 strap-shaped to oblanceolate segments with an obtuse or minutely papillate tip, yellow green (145B). Further information and a colour picture can be found in *The Alpine Gardener* 75(4): 529–30. Flowering specimen [WSY0099270] in the RHS Herbarium (WSY).

***Fritillaria acmopetala* 'Lamplight'**

Award of Merit as a hardy flowering plant for exhibition. Exhibited by Dr C Lafong, Glenrothes, Fife, Scotland on 14 April 2007.

Bulbous perennial to 400mm as exhibited. Basal leaves absent; stem leaves usually 4, the lowest c. 120 × 15mm, lanceolate to narrowly elliptic, the base stem-clasping, the apex blunt, glabrous. Stems strongly upright. Flowers solitary; pedicels to 60mm subtended by a single, sessile, strongly erect, lanceolate bract to 80mm. Flowers bell-shaped, 20mm wide, flaring at the apex; tepals obovate, truncate at the apex with a short blunt tip, outside yellow-green (144D), inside more yellow (154B); nectaries green, shiny; pollen yellow, stigma trifold. Further information and a colour picture can be found in *The Alpine Gardener* 75(4): 488–90. Flowering specimen [WSY0100391] in the RHS Herbarium (WSY).

***Galanthus* 'Cicely Hall'**

Certificate of Preliminary Commendation as a hardy flowering plant for exhibition. Exhibited by Dr R MacKenzie, Oxfordshire on 13 February 2007.

Bulbous perennial. Leaves lanceolate, 80 × 14mm at anthesis, green (137A), heavily bloomed (191A), tip blunt, pale green, margins flat. Stem extremely stout, c. 100 × 6mm, fleshy, clearly flattened on one side, green (137B), becoming bloomed

towards the apex and yellowish at the base. Spathe to 50mm, erect, heavily bloomed at the base, curving in the top third and terminating in a minute hook. Pedicel to 40mm, thick, erect, abruptly bent at apex. Flowers single, solitary. Ovary top-shaped, 11 × 9mm, contracted at apex. Outer segments white, boat-shaped, 25 × 20mm but appearing narrower due to strongly incurved margins, clawed to 4mm at base forming a very large, 7 × 3mm, sinus. Inner segments 13 × 8mm, forming a cylindrical "tube", fleshy, the apex with minute, regular teeth and a deep V-shaped notch; outside with a single green marking (closest to 141A) with a 1mm white margin and a shallow waist 4mm from apex; inside similar but paler green between the veins. Further information and a colour picture can be found in *The Alpine Gardener* 75(4): 503–4. Flowering specimen [WSY0099058] and digital image [WSYD0001561] in the RHS Herbarium (WSY).

***Galanthus elwesii* var. *elwesii* 'Lodestar'**

Certificate of Preliminary Commendation as a hardy flowering plant for exhibition. Exhibited by Mr J L Sharman, Monksilver Nursery, Oakington Road, Cottenham, Cambridge CB4 8TW on 13 February 2007.

Bulbous perennial. Leaves oblong-lanceolate, c. 190 × 30mm at anthesis, uniformly grey-green (N138B) with a prominent midrib on the underside, margins with a very fine silver line in upper portion, apex abruptly puckered into a short, pale hood. Stem c. 235mm, glaucous green (N138B), yellowish towards the base. Spathe c. 40mm, erect then sharply bent in upper half with small hook at the apex. Pedicel to 35mm, slender. Flowers solitary, with an antiseptic fragrance, single. Ovary top-shaped, deep green (between 144A–143A), 9 × 8mm. Outer segments spreading, white, 31 × 12mm, boat-shaped, strongly clawed, to 2.5mm across at base, margins incurved by 2mm at margins forming a small hood, veins on the upper side ribbed. Inner segments forming a cylindrical "tube", the apex minutely frilled and curved back with a shallow V-shaped notch; outside with a heart-shaped green (144B) marking around the apical notch and a rectangular mark, 4 × 5mm, 4mm above the base with a very shallow notch along the upper edge, green (144B) but becoming diffuse in the lower portion; inside middle 10 veins green (144B) forming a continuous rectangle, equally notched at either end, to 4mm above the base. Further information in *The Alpine Gardener* 75(4): 507. Flowering specimen [WSY0099059] in the RHS Herbarium (WSY).

***Galanthus elwesii* 'Helen Tomlinson'**

Certificate of Preliminary Commendation as a hardy flowering plant for exhibition. Exhibited by Rev R J Blakeway-Phillips, 61 Long Row, Great Haseley, Oxfordshire on 16 January 2007.

Bulbous perennial. Leaves oblong-lanceolate, to 130 × 16mm at anthesis, glabrous and bloomed (between 189A–191A) on both surfaces (137C) where rubbed, tips small, pale, hooded, midrib not prominent, margins not folded over. Scape green (close to 138B), to 140mm, erect. Pedicel gently arching, flowers pendulous. Spathe to 35mm, glaucous green (close to 138B), evenly arching with a tiny hook at the apex. Flowers single, solitary; ovaries top-shaped, 5 × 5mm, green (137A). Outer segment 30 × 16mm, boat-shaped, margins recurved by 1mm forming a small, hooded tip, white with a faint green (144D) apical mark on the inside. Inner segments forming a cylindrical "tube", each segment 12 × 8mm, margins undulate, apical notch shallow, outside marked green (143A) to one third with an apical V-shape, inside with bright green markings along the veins running almost to the base and merging towards the apex. Further information can be found in *The Alpine Gardener*

75(4): 502–3. Flowering specimen [WSY0096670] and digital image [WSYD1613] in the RHS Herbarium (WSY).

***Galanthus nivalis* ‘Hugh Mackenzie’**

Certificate of Preliminary Commendation as a hardy flowering plant for exhibition. Exhibited by Dr R MacKenzie, Oxfordshire on 13 March 2007. Description and colour pictures in *The Alpine Gardener* 75(4): 512–3. Flowering nomenclatural standard specimen [WSY0096954] and digital image [WSYD0001563] in the RHS Herbarium (WSY).

***Galanthus nivalis* (Poculiformis Group) ‘Angelique’**

Certificate of Preliminary Commendation as a hardy flowering plant for exhibition. Exhibited by Mr J L Sharman, Monksilver Nursery, Oakington Road, Cottenham, Cambridge CB4 8TW on 16 January 2007.

Bulbous perennial. Leaves lanceolate, c. 100 × 9mm at anthesis, green (137B) with glaucous bloom, midrib prominent on the underside, margins subrevolute, apex with small, white tip. Scape green (138B) with glaucous bloom becoming yellowish towards the base, arching in upper half. Spathe to 42mm, membranous, green (darker than 138B), apex not hooked. Pedicel to 40mm, thin, straight, abruptly bent at the apex, flower pendulous. Flowers single, solitary; ovaries globose, 6 × 5mm. Outer segments to 28 × 7mm, clawed, unhooded, narrowly elliptical, white; inner segments forming a long “tube”, each segment 19 × 6mm, domed, with a V-shaped notch, outside white with 2 green (between 144A and 144B) marks, separate or varyingly joined to form a V-shape; inside veins green almost to the base forming an elongated heart shape. Further information and a colour picture can be found in *The Alpine Gardener* 75(4): 501–2. Flowering specimen [WSY0096672] and digital image [WSYD0001562] in the RHS Herbarium (WSY).

***Galanthus* ‘Primrose Warburg’**

Certificate of Preliminary Commendation as a hardy flowering plant for exhibition. Exhibited by Dr R MacKenzie, Oxfordshire on 13 February 2007.

Bulbous perennial. Leaves oblong-lanceolate, c. 85 × 10mm at anthesis, moderately glaucous (147B), bloomed on both surfaces. At least one margin recurved to above halfway, tip yellowish white, not hooded. Stem c. 85mm, bright green (144B) becoming yellowish at base (144C). Spathe to 40mm, bent in upper half and shortly hooked at the apex. Pedicel adhering closely to spathe, c. 22mm, yellow towards apex. Flowers single, solitary. Ovary yellow-green (151B), ovoid to cylindrical, 8 × 5mm, slightly contracted at apex. Outer segments elliptical, clawed, 23 × 9mm, white, margins recurved by c. 1mm and hooded at apex, not spreading so inner segments mostly obscured. Inner segments 12 × 9mm forming a narrowly obconic “tube”, apex rounded with a shallow V-shaped notch and a single, yellowish (151C) horseshoe-shaped marking to 2mm across, rounded at the ends; inside the inner eight veins greenish yellow (151B) from base to white-trimmed apex. Further information and a colour picture can be found in *The Alpine Gardener* 75(4): 504–5. Flowering specimen [WSY0099057] and digital image [WSYD0001564] in the RHS Herbarium (WSY).

***Gentiana* ‘Angus Beauty’**

Certificate of Preliminary Commendation as a hardy flowering plant for exhibition. Exhibited by Mr I Christie, Kirriemuir, Angus, Scotland on 11 October 2006.

Low-growing herbaceous perennial. Stems pinkish, sprawling. Leaves opposite, to c. 30 × 3.5mm, lanceolate, acute, subglabrous, connate for 5mm. Flowers terminal, solitary, short-stalked. Calyx to c. 40mm, tubular for c. 18mm then divided into 5 leaf-like segments. Corolla to c. 30mm across, obconic; corolla lobes to 12mm wide, roughly triangular, blunt-tipped to rounded, deep blue (101B) with darker (103C) streaks; plicae weakly triangular, sharp-pointed, to 9mm wide; tube to 40mm long with 5 greenish bands running from the base, dissipating before the apex of the lobes, bands with a central blue line and blurred speckling in the upper half. Further information and a colour picture can be found in *The Alpine Gardener* 75(4): 488–9. Flowering specimen [WSY0089904] in the RHS Herbarium (WSY).

***Gentiana* 'Blue Streak'**

Certificate of Preliminary Commendation as a hardy flowering plant for exhibition. Exhibited by Mr I Christie, Kirriemuir, Angus, Scotland on 11 October 2006.

Low-growing herbaceous perennial. Stems pale yellow-green, glabrous. Leaves opposite, to 30 × 4mm, lanceolate, acute, glabrous, connate for 4mm. Flowers terminal, solitary, short-stalked. Calyx to c. 40mm, tubular for 20mm then divided into 6 leaf-like segments. Corolla obconic, to c. 35mm across, tube to c. 35mm long; corolla lobes to 10mm wide, evenly triangular, sometimes with a tiny mucronate tip, white with blue speckling forming greenish white streaks along the tube that broaden and converge c. 20mm before the base; plicae triangular, to 5mm across with an acute tip, deeply mottled blue (101A) forming a triangular shape along the tube, the mottling becoming paler (101B) and more diffuse towards the base. Further information can be found in *The Alpine Gardener* 75(4): 499. Flowering nomenclatural standard specimen [WSY0089908] in the RHS Herbarium (WSY).

***Gentiana* 'Limelight'**

Certificate of Preliminary Commendation as a hardy flowering plant for exhibition. Exhibited by Mr I Christie, Kirriemuir, Angus, Scotland on 11 October 2006.

Low-growing herbaceous perennial. Stems pale yellowish green, glabrous. Leaves opposite, narrowly lanceolate, acute with a minute white tip, 20 × 2mm, connate for 3mm. Flowers terminal, solitary, on a stalk to 5mm. Calyx to c. 25mm, tubular for 10mm then divided into 5 leaf-like segments. Corolla to 15mm across, 50mm long, narrowly obconic; corolla tube to 6mm wide, unevenly triangular with a mucronate tip; plicae forming a low triangle, 4mm across, mucronate; tube white with coarse green stripes (144C), paler at the base, running central to the lobes and unevenly covering most of the lobe, converging c. 25mm above the base. Flowering specimen [WSY0089910] in the RHS Herbarium (WSY).

***Gentiana* 'Saltire'**

Certificate of Preliminary Commendation as a hardy flowering plant for exhibition. Exhibited by Mr I Christie, Kirriemuir, Angus, Scotland on 7 October 2006.

Herbaceous perennial to c. 150mm at anthesis. Stems yellowish green, sprawling, glabrous. Leaves opposite to c. 20 × 3mm, lanceolate, acute, glabrous, connate for 3mm. Flowers terminal, solitary, stalk to c. 5mm. Calyx to c. 40mm, tubular for half way then divided into 5 leaf-like segments; corolla to 40 × 25mm, obconic, 5-lobed, corolla lobes spreading, 5 × 8mm, broad triangular with minute pointed tip, greenish white (155A) with pale green streaks (149D) with faint, light blue (98C) speckling towards the apex; plicae with low, indistinct point, to 9mm wide with heavy blue (98C) mottling covering an area 20mm long; tube greenish white. Further information and a colour picture can be found in *The Alpine Gardener* 75(4): 497–8.

Gentiana 'Silken Giant'

Certificate of Preliminary Commendation as a hardy flowering plant for exhibition. Exhibited by Mr I Leslie, Bangor, Wales on 11 October 2006.

Strong-growing herbaceous plant. Stems straw-coloured with occasional pinkish markings. Leaves opposite, to 30 × 4mm, connate for 3mm, lanceolate, acute, glabrous. Flowers solitary, terminal, subsessile. Calyx to c. 35mm, tubular for c. 18mm then divided into 6 leaf-like segments. Corolla obconic to 40mm across, tube 45mm long; corolla lobes to 10mm wide, ovate-triangular, rounded, deep blue (103B) margins, paler (101A) in the middle with white and purple streaking; plicae to 4mm across, weakly triangular; tube blue (100A) with greenish white bands to 5mm across, smudged at the apex, running central to the lobes, converging 20mm above the base and with dark purple margins (103A), to 2mm across. Further information can be found in *The Alpine Gardener* 75(4): 499. Flowering specimen [WSY0089909] in the RHS Herbarium (WSY).

Gentiana 'Silken Night'

Award of Merit as a hardy flowering plant for exhibition. Exhibited by Dr K Lever, Glan Conwy, Wales on 11 October 2006. Description in *Hanburyana* 2: 64 upon the award of a Certificate of Preliminary Commendation. Further information can be found in *The Alpine Gardener* 75(4): 483. Flowering specimen [WSY0089905] in the RHS Herbarium (WSY).

Ida ariasii 'Saint Thomas'

Botanical Certificate as a tender flowering plant for exhibition. Exhibited by Dr H Oakeley, Orpington, Kent on 24 July 2007. Description and colour picture in *The Orchid Review* 115: 298–9.

Iris camillae

Botanical Certificate for its rarity in the wild and in cultivation. Exhibited by Mrs J Bishop, Lightwater, Surrey on 3 April 2007. Description in *The Alpine Gardener* 75(4): 533–4. Digital image [WSYD0001577] in the RHS Herbarium (WSY).

Iris paradoxa f. mirabilis

Botanical Certificate for its rarity in the wild and cultivation and a Certificate of Preliminary Commendation as a flowering plant for exhibition. Exhibited by Mr R Drew, Laindon, Essex on 5 May 2007.

Rhizomatous perennial to 200mm as exhibited. Leaves to 190 × 5mm, narrowly linear to falcate, sheathing the stem at the broad, hyaline base, apex pointed, strongly keeled, glabrous. Stem to 1100mm, strongly upright, striated. Bracts 2, papery, elliptic-ovate, acute, 13 × 5mm. Perianth tube to 45mm, slender, swollen at base. Falls 20 × 10mm, yellowish orange (21B) with a dark patch at the apex. Standards 50 × 30mm, off-white with darker lines. Further information can be found in *The Alpine Gardener* 75(4): 519–20. Flowering specimen [WSY0111183] and photographic slide [WSY0111062] in the RHS Herbarium (WSY).

Lathyrus grandiflorus

Award of Merit as a flowering plant for exhibition. Exhibited by Mr F Garrett, Great Dixter, Northiam, Rye, East Sussex TN31 6PH on 20 June 2007.

Flower stem 18cm, with one or two flowers per stem. Flowers 4.5cm wide, 4cm long. Standard reddish purple (61B) becoming pale purplish violet (80C) towards the margin, wings very deep reddish purple (187B/59A). Runs and occasionally sets seed.

It was noted that this form had particularly large flowers. Flowering specimen [WSY0100377] in the RHS Herbarium (WSY).

***Lathyrus odoratus* 'Charlotte Emma'**

Award of Merit as a flowering plant for exhibition. Raised and submitted to trial by Mr P J Kerton, Bridgwater, Somerset, trial number 21, and awarded on 19 June 2007. Flowers pink on white. Digital image [WSYD0001604] in the RHS Herbarium (WSY).

***Lathyrus odoratus* 'Invicta'**

Certificate of Preliminary Commendation as a flowering plant for exhibition. Raised and submitted to trial by Mr P Christmas, Tunbridge Wells, Kent, trial number 3, and awarded on 19 June 2007. Flowers white. Flowering specimen [WSY0100896] and digital image [WSYD0001605] in the RHS Herbarium (WSY).

***Lathyrus odoratus* 'John Gray'**

Award of Merit as a flowering plant for exhibition. Raised and submitted to trial by Mr R Parsons, Chichester, West Sussex, trial number 20, and awarded on 19 June 2007. Flowers pale pink on white ground. Digital image [WSYD0001606] in the RHS Herbarium (WSY).

***Lathyrus odoratus* 'Lauren Landy'**

Certificate of Preliminary Commendation as a flowering plant for exhibition. Raised and submitted to trial by Mr S Harrod, County Londonderry, Northern Ireland, trial number 27, and awarded on 19 June 2007. Flowers warm rose pink. Digital image [WSYD0001607] in the RHS Herbarium (WSY).

***Lathyrus odoratus* 'Mary Cynthia'**

Certificate of Preliminary Commendation as a flowering plant for exhibition. Raised and submitted to trial by Mr R A Hunt, Halstead, Essex, trial number 23, and awarded on 19 June 2007. Flowers salmon pink on cream. Digital image [WSYD0001608] in the RHS Herbarium (WSY).

***Lathyrus odoratus* 'Niamh Mae'**

Certificate of Preliminary Commendation as a flowering plant for exhibition. Raised and submitted to trial by Mr R Chisholm, Falkirk, Scotland, trial number 11, and awarded on 19 June 2007. Flowers lavender flush. Digital image [WSYD0001609] in the RHS Herbarium (WSY).

***Lathyrus odoratus* 'Rory K.'**

Certificate of Preliminary Commendation as a flowering plant for exhibition. Raised and submitted to trial by Mr P J Kerton, Bridgwater, Somerset, trial number 12, and awarded on 19 June 2007. Flowers lavender. Digital image [WSYD0001610] in the RHS Herbarium (WSY).

***Lathyrus odoratus* 'Sophisticated Lady'**

Certificate of Preliminary Commendation as a flowering plant for exhibition. Raised and submitted to trial by Mr S Harrod, County Londonderry, Northern Ireland, trial number 26, and awarded on 19 June 2007. Flowers cool rose pink. Digital image [WSYD0001611] in the RHS Herbarium (WSY).

***Lathyrus odoratus* 'Vincent'**

Certificate of Preliminary Commendation as a flowering plant for exhibition. Raised and submitted to trial by Mr C A Beane, Leeds, trial number 25, and awarded on 19 June 2007. Flowers salmon orange. Digital image [WSYD0001612] in the RHS Herbarium (WSY).

***Lysimachia punctata* 'Melanie Burge'**

Certificate of Preliminary Commendation as a flowering plant for exhibition. Exhibited by Mr R Burge, Northamptonshire on 20 July 1993.

***Masdevallia calocalix* 'Eva May'**

Botanical Certificate. Exhibited by Mr E Eyre, North Wheatley, Retford, Nottinghamshire on 14 April 2007. Description and colour picture in *The Orchid Review* 115: 236–7. Flowering specimen [WSY0100780] in the RHS Herbarium (WSY).

***Masdevallia lucernula* 'Eva May'**

Award of Merit as a tender flowering plant for exhibition and a Botanical Certificate to encourage the cultivation of this species and for its peculiar morphological features. Exhibited by Mr E Eyre, North Wheatley, Retford, Nottinghamshire on 14 April 2007. Description and colour picture in *The Orchid Review* 115: 235. Flowering specimen [WSY0100777] in the RHS Herbarium (WSY).

Merendera filifolia

Botanical Certificate for its rarity in cultivation. Exhibited by The Director, Royal Botanic Gardens, Kew, Richmond, Surrey on 3 October 2006. Description in *The Alpine Gardener* 75(4): 531–2. Digital image [WSYD0001571] in the RHS Herbarium (WSY).

***Miltonia La Garenne* grex 'Jersey'**

Award of Merit as a tender flowering plant for exhibition. Raised and exhibited by the Eric Young Orchid Foundation, Jersey on 17 March 2007. Description and colour pictures in *The Orchid Review* 115: 171–2.

***Miltonia Le Couperon* grex 'Jersey'**

Award of Merit as a tender flowering plant for exhibition. Raised and exhibited by the Eric Young Orchid Foundation, Jersey on 17 March 2007. Description and colour pictures in *The Orchid Review* 115: 170.

***Miltonia Les Landes* grex 'Jersey'**

Award of Merit as a tender flowering plant for exhibition. Raised and exhibited by the Eric Young Orchid Foundation, Jersey on 14 April 2007. Description and colour picture in *The Orchid Review* 115: 235. Flowering specimen [WSY0100779] in the RHS Herbarium (WSY).

***Miltonia Petie Anquette* grex 'Trinity'**

Award of Merit as a tender flowering plant for exhibition. Raised and exhibited by the Eric Young Orchid Foundation, Jersey on 3 April 2007. Description and colour picture in *The Orchid Review* 115: 234. Flowering specimen [WSY0100786] and digital image [WSYD0001581] in the RHS Herbarium (WSY).

Monopsis unidentata

Certificate of Preliminary Commendation as a flowering plant for exhibition. Exhibited by Mrs C M Collier, Norwich, Norfolk on 7 July 2007.

Mat-forming perennial with delicate stems to 170mm tall as exhibited. Stems upright, wiry, branching only in the upper half, striated, subglabrous. Leaves opposite to subopposite, sessile, lanceolate, c. 10 × 1.5mm, acute with minute, appressed hairs. Flowers borne singly; pedicel to 40mm, minutely pubescent, becoming thick towards the apex; calyx tubular for 2mm becoming 5-lobed, lobes linear, c. 5 × 0.5mm, acute; flower 10mm long and 10mm across, 2-lipped, upper lip 3-lobed, lower lip 2-lobed, resembling a pea flower, violet (87A), paler outside and darker in the centre (86A).

Further information can be found in *The Alpine Gardener* 75(4): 528–9. Flowering specimen [WSY0099279] in the RHS Herbarium (WSY).

Muscari macbeathianum

Botanical Certificate as a hardy flowering plant for exhibition. Exhibited by The Regius Keeper, Royal Botanic Garden, Edinburgh EH3 5LR on 14 April 2007. Description and colour picture in *The Alpine Gardener* 75(4): 533–4.

***Narcissus* ‘Angel’s Whisper’**

Certificate of Preliminary Commendation as a flowering plant for exhibition. Exhibited by Mr J W Blanchard, Blandford, Dorset on 13 February 2007.

Triandrus; flowers 2, or sometimes up to 5, per stem, 33mm wide; perianth segments 15mm in length, broadly ovate, blunt, and prominently mucronate, light greenish yellow (3C), more or less strongly reflexed, plane, with midrib showing, overlapping half or more; inner segments scarcely mucronate; corona 9mm in length, cup-shaped, lightly ribbed, slightly darker in tone (3B) than the perianth, with mouth straight, even, with rim entire. Dwarf, mid season; strongly scented. Flowering specimen [WSY0075149] in the RHS Herbarium (WSY).

***Narcissus* ‘Betty Mae’**

Award of Merit as a hardy flowering plant for exhibition. Exhibited by Mrs J Wyllie, Dunblane, Scotland on 17 February 2007. Cyclamineus; yellow. Description in *Hanburyana* 1: 58 upon the award of a Certificate of Preliminary Commendation. Further information can be found in *The Alpine Gardener* 75(4): 483.

***Narcissus* ‘Corby Candle’**

Certificate of Preliminary Commendation as a flowering plant for exhibition. Raised and exhibited by Mr S J Gibson, Kettering, Northamptonshire on 3 April 2007.

Large-cupped; flower 110mm wide; perianth segments 45mm long, very broadly ovate, blunt, vivid yellow (9A), with whitish mucro, somewhat concave, with margins incurling, smooth and of heavy substance, overlapping half; the inner segments slightly narrower, shouldered at base, more usually plain, with broad midrib faintly showing; corona 38mm long, funnel-shaped, loosely ribbed, vivid orange (28B), paling to vivid yellow (9A) at base, mouth straight, lightly frilled, with rim irregularly crenate. Digital image [WSYD0001565] in the RHS Herbarium (WSY).

***Narcissus* ‘Dinah Rose’**

Certificate of Preliminary Commendation as a hardy flowering plant for exhibition. Exhibited by Mr and Mrs J Archibald, Llandysul, Wales on 3 March 2007. Triandrus; yellow. Description and colour picture in *The Alpine Gardener* 75(4): 511–2. Flowering nomenclatural standard specimen [WSY0099082] and photographic slide [WSY0094989 (ps)] in the RHS Herbarium (WSY).

***Narcissus* ‘Mitimoto’**

Certificate of Preliminary Commendation as a flowering plant for exhibition. Exhibited by Mr S J Gibson, Kettering, Northamptonshire on 13 March 2007.

Bulbocodium; flower 45mm wide, facing slightly upwards; perianth segments 13mm in length, lanceolate, acute, yellow-white (nearest to 4A) with a faint line of green at midrib which sometimes broadens to a patch at apex, spreading, plain, smooth, membranaceous, separated; corona 20mm in length, bowl-shaped, deep, lightly ribbed, brilliant greenish yellow (4A), with mouth incurved and even, rim minutely crenate. Dwarf, early; sweetly scented.

***Narcissus* 'Norweste'**

Certificate of Preliminary Commendation as a flowering plant for exhibition. Exhibited by Mr Brian Duncan, Omagh, County Tyrone, Northern Ireland on 13 March 2007.

Cyclamineus; flower 45mm wide, vivid yellow (9A); perianth segments 22mm in length, ovate, with pale mucro, very strongly reflexed, with margins slightly incurved, smooth, overlapping at base only; corona cylindrical, slightly constricted at base, loosely ribbed, with mouth straight or slightly flared, even, with rim regularly notched and crenate. Dwarf, very early. Flowering specimen [WSY0075147] in the RHS Herbarium (WSY).

***Narcissus* 'Twin Stars'**

Certificate of Preliminary Commendation as a hardy flowering plant for exhibition. Exhibited by Mrs J Wyllie, Dunblane, Scotland on 17 March 2007.

Species *Narcissus* hybrid; leaves c. 190 × 2mm, keeled, blunt-tipped, almost prostrate. Scape upright, c. 110mm, bearing two flowers; spathe papery, upright, c. 40mm; ovary oblong; perianth tube 20mm long, yellowish green, gradually widening; tepals c. 25 × 5mm, reflexed, yellow (4C); corona abruptly flared to 15mm across, yellow (4C). Further information and a colour picture can be found in *The Alpine Gardener* 75 (4): 513–5. Flowering specimen [WSY011185] in the RHS Herbarium (WSY).

***Odontoglossum* Grune de Becquet grex 'Saint Helier'**

Award of Merit as a tender flowering plant for exhibition. Raised and exhibited by the Eric Young Orchid Foundation, Jersey on 13 February 2007. Description and colour picture in *The Orchid Review* 115: 170. Flowering specimen [WSY0100781] and digital image [WSYD0001582] in the RHS Herbarium (WSY).

***Odontoglossum* L'Ecrevière grex 'Rozel'**

Award of Merit as a tender flowering plant for exhibition. Raised and exhibited by the Eric Young Orchid Foundation, Jersey on 17 March 2007. Description and colour pictures in *The Orchid Review* 115: 171. Flowering specimen [WSY0100782] in the RHS Herbarium (WSY).

Orchis simia

Certificate of Preliminary Commendation as a hardy flowering plant for exhibition. Exhibited by Mr C Hardwick, Wolverhampton on 28 April 2007.

Tuberous perennial to 300mm as exhibited, with 3 flowering stems. Basal leaves to 70 × 30mm, elliptic-oblong, glabrous, shining green. Stem leaves clasping. Inflorescence of more than 20 flowers, dense, blunt. Flowers very pale mauve with purple spotting (N82A). Labellum 3-lobed, lateral lobes narrow, forward pointing, purple (N82A), central lobe split into 2 sublobes similar in size, shape and colour to laterals with a small, purple tooth between. Further information and a colour picture can be found in *The Alpine Gardener* 75(4): 517–8. Flowering specimen [WSY0113663] in the RHS Herbarium (WSY).

Oxalis bowiei

Award of Merit as a tender flowering plant for exhibition. Exhibited by Mr Waite, 14 Westfield Close, Polegate, East Sussex, BN26 6EJ on 20 August 2007.

Stemless perennial to 30cm tall. Foliage thick and somewhat leathery, leaves comprising 3 leaflets, as is typical of an oxalis; leaflets evenly spaced, 6.5cm long, 7.5cm wide, apex notched; leaf underside puberulent. Flowers held above the foliage, more than 12 flowers per umbel, developing sequentially; peduncle with dense, short

glandular hairs, generally green though tinged rosy-red closer to the flowers. Petals 5, the open flower to 4.5cm in diameter, vibrant pink (71D), petals united into a short tube at base (hidden by calyx) which is pale yellow-green; petals open in light and close in darkness, closing finally when wilted and then dropping as a whole. Stamens 10; filaments united into a tube at the base, with alternatively long and short filaments giving rise to two circles each of 5 stamens; the united filament tube partly conceals the 5 fused ovaries and the 5 stigmas emerge between the longer filaments. Calyx 5-lobed, each lobe to 10 × 2.5mm, green with a rosy-red margin, glandular hairy, persistent when petals have dropped. The plant exhibited had been grown from bulbs planted in June 2007. It had been flowering since late July. Flowering specimen [WSY009277] in the RHS Herbarium (WSY).

Papaver glaucum

Award of Merit as a flowering plant for exhibition. Exhibited by Mr F Garrett, Great Dixter, Northiam, Rye, East Sussex TN31 6PH on 20 June 2007.

Flowers 9cm diameter, 5cm deep, bright red (46B) on thin hairy wiry stems, the two outer petals overlap each other forming an open bowl, the two inner petals overlap to form a tight bowl; centre of flower has two distinct basal black shiny blotches (2cm diameter) opposite each other. Flowering specimen [WSY0100379] in the RHS Herbarium (WSY).

***Paphiopedilum In-Charm Maid* grex 'Daya'**

Award of Merit as a tender flowering plant for exhibition. Raised and exhibited by In-Charm Orchids, Taichung, Taiwan on 16 June 2007. Description and colour pictures in *The Orchid Review* 115: 294–5.

***Paphiopedilum JEM's Pregnant Lady* grex 'In-Charm'**

Award of Merit as a tender flowering plant for exhibition. Exhibited by In-Charm Orchids, Taichung, Taiwan on 16 June 2007. Description and colour pictures in *The Orchid Review* 115: 294–5.

***Paphiopedilum Tokyo Knight Dream* grex 'Anna'**

Award of Merit as a tender flowering plant for exhibition. Exhibited by Mr D Mathers, Richmond, Surrey on 17 March 2007. Description and colour pictures in *The Orchid Review* 115: 171–2.

***Paphiopedilum Saint's Mountain* grex 'Saint Brelade'**

Award of Merit as a tender flowering plant for exhibition. Exhibited by the Eric Young Orchid Foundation, Jersey on 21 May 2007. Description and colour picture in *The Orchid Review* 115: 236, 238. Digital image [WSYD0001583] in the RHS Herbarium (WSY).

Paris polyphylla* var. *alba

Certificate of Preliminary Commendation as a hardy flowering plant for exhibition. Exhibited by Prof. and Mrs D Rankin, Lasswade, Midlothian, Scotland on 19 May 2007.

Herbaceous perennial to 160mm as exhibited, stems arising from a fleshy root. Leaves 5–8, elliptic to rhomboid, 50 × 22mm, glabrous, in a single whorl below the flower. Sepals 3–6, sessile, ovate-acuminate, 33 × 15mm, yellow-green (144B). Petals thread-like, 25–33mm long, yellow. Stamens 6–10, 11mm long, pollen yellow. Ovary creamy white. Further information can be found in *The Alpine Gardener* 75(4): 526–7.

Penstemon absarokensis

Certificate of Preliminary Commendation as a flowering plant for exhibition. Exhibited by Dr C Lafong, Glenrothes, Fife, Scotland on 19 May 2007.

Herbaceous perennial to 80mm. Numerous upright stems arising from a single rootstock. Leaves opposite and decussate in up to five pairs per stem, glabrous, oblanceolate to oval, 85 × 20mm. Flowers borne in few-flowered umbels, tubular, 35mm long and 20mm across, violet-blue (84A), 5-lobed, arrayed in 2 lips, the lower longer than the upper. Further information and a colour picture can be found in *The Alpine Gardener* 75(4): 525–6.

***Phalaenopsis chibae* 'Alice'**

Botanical Certificate to encourage the cultivation of this species. Exhibited by Ms J Barker, Stockton-on-Tees on 14 April 2007. Description and colour picture in *The Orchid Review* 115: 236–7. Flowering specimen [WSY0100788] in the RHS Herbarium (WSY).

***Phragmipedium Don Wimber grex* 'Saint Aubin'**

Award of Merit as a tender flowering plant for exhibition. Raised and exhibited by the Eric Young Orchid Foundation, Jersey on 16 January 2007. Description and colour picture in *The Orchid Review* 115: 118. Flowering specimen [WSY0100783] and digital image [WSYD0001584] in the RHS Herbarium (WSY).

***Phragmipedium Sunset Glow grex* 'Mont Millais'**

Award of Merit as a tender flowering plant for exhibition. Raised and exhibited by the Eric Young Orchid Foundation, Jersey on 10 November 2006. Description and colour pictures in *The Orchid Review* 115: 59. Photographic slide [WSY0099051] in the RHS Herbarium (WSY).

***Pinus mugo* 'Zwergkugel'**

Certificate of Preliminary Commendation as a hardy foliage plant for exhibition. Exhibited by Mr I Betteridge, Ashby de la Zouch, Leicestershire on 30 September 2006.

Dwarf conifer to 80 × 180mm, as exhibited. Growth compact, forming a rounded mound. Leaves paired, linear, to 10mm long, twisted to nearly 360 degrees, margins strongly recurved, ciliate, tip acute, pale, hooded, leaf sheath to c. 3mm, tan-coloured formed of papery scales. Shoot purplish-brown, rough, glabrescent. Further information and a colour picture can be found in *The Alpine Gardener* 75(4): 494–6. Vegetative specimen [WSY0099056] and photographic slide [WSY0094726] in the RHS Herbarium (WSY).

Polemonium pulcherrimum* subsp. *pulcherrimum

Certificate of Preliminary Commendation as a hardy flowering plant for exhibition. Exhibited by Prof. and Mrs D Rankin, 16 Kevock Road, Lasswade, Midlothian EH18 1HT on 19 May 2007. Description in *The Alpine Gardener* 75(4): 522–3.

***Primula cockburniana* 'Kevock Sunshine'**

Certificate of Preliminary Commendation as a hardy flowering plant for exhibition. Exhibited by Prof. and Mrs D Rankin, 16 Kevock Road, Lasswade, Midlothian EH18 1HT on 19 May 2007.

Herbaceous perennial to 240mm. Leaves spatulate, irregularly toothed, 45 × 22mm, lightly farinose, borne in whorls of 8–12. Flowers in 2 whorls of 3–7 flowers. Pedicel to 12mm long, calyx 4mm, divided into 5 triangular teeth. Flowers to 18mm across,

yellow (13A) with a dark eye; lobes with a deep apical notch. Further information can be found in *The Alpine Gardener* 75(4): 521.

***Primula maximowiczii* Red-flowered Group**

Award of Merit as a hardy flowering plant for exhibition. Exhibited by Prof. and Mrs D Rankin, Lasswade, Midlothian, Scotland on 14 April 2007. Description and colour picture in *The Alpine Gardener* 75(4): 486–8. Flowering specimen [WSY0099284] in the RHS Herbarium (WSY).

Primula petelotii

Botanical Certificate. Exhibited by Prof. A J Richards, Hexham, Northumberland and Mr P L Cunnington, Neston, Cheshire on 17 March 2007. Description and colour picture in *The Alpine Gardener* 75(4): 532–3. Flowering specimen [WSY0111184] in the RHS Herbarium (WSY).

Primula verticillata

Award of Merit as a hardy flowering plant for exhibition. Exhibited by The Director, Royal Botanic Gardens, Kew, Richmond, Surrey on 3 March 2007.

Herbaceous perennial to 300mm as exhibited, with a basal rosette of leaves. Leaves broad oblanceolate, stalk winged, greyish green, paler at the base, c. 200 × 35mm, jaggedly, sometimes doubly, toothed in the upper half, hairless but sparsely covered in white meal. Stems upright, pale, mealy, bearing 2 whorls of c. 10 flowers, each whorl subtended by a whorl of leaf-like bracts, 80 × 15mm, mealy on the underside. Pedicels to c. 30mm, white, held erect or horizontal. Calyx cup-like, broader than the corolla tube, lobes long acuminate, very mealy. Corolla tube to 30mm, petal lobes rounded, shallowly notched at apex, spreading, to 8 × 8mm, golden yellow (4B), darkening in centre (to 4A). Anthers barely exerted. Further information can be found in *The Alpine Gardener* 75(4): 484. Flowering specimen [WSY0099077] in the RHS Herbarium (WSY).

× ***Ramberlea* 'Inchgarth'**

Certificate of Preliminary Commendation as a flowering plant for exhibition. Exhibited by Hythe Alpines, Thetford, Norfolk on 5 May 2007.

Plant 90 × 80mm as exhibited. Leaves 60 × 40mm, broad obovate to obovate, flattened at the apex, cuneate at the base, margins with c. 6 pairs of coarse, blunt-tipped teeth, upper surface with c. 5 pairs of prominent veins, dark green with an even covering of white, curly, glandular hairs forming a fringe at the margins. Stem to 60mm, erect with curly, white, patent hairs. Inflorescence an umbel subtended by 2 opposite, linear, hairy bracts to 8mm. Pedicels to 30mm, sometimes with two small, opposite bracteoles about halfway up their length. Calyx hairy; sepals separated almost to the base, triangular, obtuse. Flowers to 25mm across, violet (91A), flecked yellow (14D) at the centre; petals 12 × 10mm, suborbicular with crimped margins, stamens 4 with dark anthers. Further information and a colour picture can be found in *The Alpine Gardener* 75(4): 520–1. Flowering nomenclatural standard specimen [WSY0100860] and photographic slide [WSY0111060 (ps)] in the RHS Herbarium (WSY).

Rhodanthe anthemoides

Certificate of Preliminary Commendation as a flowering plant for exhibition. Exhibited by Mrs C M Collier, Norwich, Norfolk on 3 March 2007.

Perennial to 150mm as exhibited. Stems upright, slender, yellowish green with short, even pubescence. Leaves alternate, to 10mm, oblanceolate, acute with a thick covering of short, white hairs. Flowers borne singly. Phyllaries enlarged, papery, petal-like, oblong 10 × 4mm with a V-shaped notch at the apex, white, the outermost with irregular deep red markings. Ray-florets much reduced, central florets yellow-orange (14B). Further information and a colour picture can be found in *The Alpine Gardener* 75(4): 508. Flowering specimen [WSY0099078] in the RHS Herbarium (WSY).

***Rhododendron gardenia* 'Jennifer Jean'**

Award of Merit as a tender flowering plant for exhibition. Exhibited by The Regius Keeper, Royal Botanic Garden, Edinburgh EH3 5LR on 30 April 2007.

Trusses of 4 tubular-funnel-shaped flowers up to 220mm across, arranged in a cross. Corolla up to 120mm across at the apex, by 110mm long, with 7 overlapping waxy petals; free part of the petals 45mm long by 40mm wide, opening more or less flat, retuse at apex, white (155A) at edge, pale creamy yellow (4D) towards inner; the tube 70mm long, 10mm wide at the lower end, widening to 20mm at top end, with 7 longitudinal ridges, pale yellow (2C) on both the interior and exterior. Stamens 13, drooping to lower petals; filaments 7.5cm, greenish white (157A/B), with dense horizontally spreading hairs; anthers facing upwards, 10mm long, cream (158A/B). Pistil length 85mm; stigma facing upwards to upper petals; ovary 15mm, pubescent, style green (graded top to bottom 145C to A). Flower pedicel scaly, up to 9mm long. Sepals white-ciliate. Leaves up to 95mm long, rough, scaly, upper side mid green (137B), lower side yellow-green (144B). Petiole up to 15mm long. Flowering nomenclatural standard specimen [WSY0100899] in the RHS Herbarium (WSY).

***Rhododendron loranthiflorum* subsp. *loranthiflorum* 'Inverleith'**

Award of Merit as a tender flowering plant for exhibition. Exhibited by The Regius Keeper, Royal Botanic Garden, Edinburgh EH3 5LR on 30 April 2007.

Trusses of 6 flowers, up to 100mm across. Flowers trumpet-shaped, with 5 petals, exterior speckled with fawn scales; free part of petals 15mm long × 10mm wide, white, overlapping slightly at base, tube up to 30mm long × 6mm wide. Stamens 10, up to 40mm long; filaments white; anthers orange-brown (165B). Pistil length 43mm; style pale green (145D); ovary length 4mm long, scaly, longitudinally 5 ridged; style with scales and horizontally spreading hairs on lower two-thirds, both most dense at base. Flower pedicel scaly, up to 25mm long, light green (145B), sparsely covered with brown scales. Leaves up to 58mm long, obovate, upper side mid green (137C/D to 146A), lower side yellow-green (145A/B), with scaly on lower surface. Petiole length 10mm, yellow-green (145A/B). Flowering nomenclatural standard specimen [WSY0100901] in the RHS Herbarium (WSY).

***Rhododendron macgregoriae* 'Paddy Woods'**

Award of Merit as a tender flowering plant for exhibition. Exhibited by The Regius Keeper, Royal Botanic Garden, Edinburgh EH3 5LR on 30 April 2007.

Trusses with up to 14 flowers. Flowers with 5 petals, sparsely scaly on exterior, yellow (21C), the free part of the petals up to 20mm long × 10mm wide, occasionally suffused orange (29A/B); tube 5-angular, 5mm long × 4mm wide, lobed at base, pubescent inside. Stamens 10, exserted, up to 19mm long; anthers orange-brown (175A/B). Flower pedicel length up to 50mm, sparsely scaly. Pistil length up to 20mm; style with horizontal white hairs and a few clusters of scales on the lower three-quarters; stigma yellow-orange (16B/C), grading to almost white at base; style yellow-orange; ovary length up to 6mm, green, covered with appressed hairs and

sparse scales. Leaves up to 50mm long, scaly, with an undulate surface, shortly acuminate tips and slightly revolute margins, upper side mid green (137A), lower side yellow-green (146B/C); older leaves red-flushed. Petiole length up to 10mm. Flowering nomenclatural standard specimen [WSY0100903] in the RHS Herbarium (WSY).

***Rhododendron macgregoriae* 'Tom Grieve'**

Award of Merit as a tender flowering plant for exhibition. Exhibited by The Regius Keeper, Royal Botanic Garden, Edinburgh EH3 5LR on 30 April 2007.

Trusses of 13 flowers, up to 90mm across. Flowers with 5 petals, scaly on exterior, yellow-orange (16A/B), suffused peachy-orange (29B/C); free part of petals up to 15mm long × 8mm wide; tube 5 angular, 5mm long × 4mm wide, lobed at base, pubescent inside. Stamens 10, exerted, up to 19mm long; anthers orange-brown (175A/B). Flower pedicel length up to 43mm, red (46A), sparsely scaly. Pistil length up to 20mm; style with horizontal white hairs and a few clusters of scales on the lower three-quarters; stigma yellow-orange (16B/C), grading to almost white at base; style yellow-orange, flushed red, indistinctly lobed; ovary length up to 6mm, green, flushed brown-red, covered with appressed hairs and sparse scales. Leaves up to 95mm long, scaly, with undulate surface, shortly acuminate tips and slightly revolute margins, upper side dark yellow-green (146A), lower side yellow-green (144B–145A); older leaves red-flushed. Petiole length up to 10mm, rich red (187A). Flowering nomenclatural standard specimen [WSY0100902] in the RHS Herbarium (WSY).

***Rhododendron polyanthemum* 'Sheila Collenette'**

First Class Certificate as a tender flowering plant for exhibition. Exhibited by The Regius Keeper, Royal Botanic Garden, Edinburgh EH3 5LR on 30 April 2007.

Trusses of 30 flowers, up to 220mm wide. Corolla funnel-shaped, with scales on outer side, 40mm long × 55mm wide at apex, 5 petals; free part of petals up to 22mm long, orange-red (41B); tube 18mm long, exterior base of tube grading from orange-red through pink (39B flushed 20B), interior base of tube orange-yellow (20B). Stamens 10, up to 28mm long, with long hairs at base, grading from yellow (22B) at base to reddish (50A) at top; anthers orange-brown (169B). Style 25mm long, hairy on lower half; stigma red (53A); ovary densely hairy. Flower pedicel scaly, 60mm, greyed-red (180B), with short appressed hairs. Leaves elliptic, with scales, up to 115mm long, upper side mid green (137C), lower side pale green (146C). Petiole to 32mm long. Sweetly scented. Flowering nomenclatural standard specimen [WSY0100898] in the RHS Herbarium (WSY).

***Rhododendron rousei* 'John Rouse'**

Certificate of Preliminary Commendation as a tender flowering plant for exhibition. Exhibited by The Regius Keeper, Royal Botanic Garden, Edinburgh EH3 5LR on 30 April 2007.

Trusses with up to 5 waxy flowers, up to 100mm across. Corolla, funnel-shaped, up to 55mm across at apex, petals 5, overlapping, white; free part of petals 22mm long, petal exterior brown-scaly, less so around petal edges; tube up to 10mm long. Stamens 10, arranged in circle around pistil; filament white, up to 10mm long; anthers orange-brown (175C). Pistil length 10mm; stigma pale pink (49C); ovary scaly and hairy. Flower pedicel scaly, length 15mm, yellow-green (145B) flushed red. Leaves glossy on upper side, dark brown scales on both sides, up to 35mm long, margins recurved. Petiole up to 5mm long. Flowering nomenclatural standard specimen [WSY0100900] in the RHS Herbarium (WSY).

***Saxifraga* 'Coolock Gem'**

Award of Merit as a hardy flowering plant for exhibition. Exhibited by Mr G Rollinson, Huddersfield, West Yorkshire on 17 March 2007.

Cushion-forming perennial to 230mm across as exhibited. Leaves in whorls of 10–15, oblong, entire, 3 × 2mm, dark green. Scape 7mm long with usually two reduced, appressed leaves. Flowers single c. 10mm across, white (155D), centre pale green; sepals triangular, green, blunt-tipped, 3 × 2mm; petals 5 × 5mm; stigma bifid or trifid, pale green, anthers dark red, opening blackish with yellow pollen. Further information and a colour picture can be found in *The Alpine Gardener* 75(4): 484–5. Flowering specimen [WSY0111187] in the RHS Herbarium (WSY).

***Spathoglottis kimbaliiana* 'Amanda Trigg'**

Certificate of Preliminary Commendation. Exhibited by Mr M Powell, Romsey, Hampshire on 30 September 2006. Description and colour picture in *The Orchid Review* 115: 55. Photographic slide [WSY0099014] in the RHS Herbarium (WSY).

***Staphylea holocarpa* 'Rosea'**

First Class Certificate as a flowering plant for garden decoration. Exhibited by Mr D N Clark, Woodbridge, Suffolk on 3 April 2007.

Inflorescence a stalked panicle of 8–20 flowers, about 8cm long. Peduncle greenish-yellow, tinged pink, 4cm long. Campanulate flowers with 5 spatulate, white petals, 1 × 0.4cm, and 5 rounded to acute, petaloid sepals, 1 × 0.5cm, pale pink (65B/C), flushed darker pink (65A). Stamens 5, about 1cm, scarcely protruding, with white pubescence near base. Ovary superior, 3-celled, green, covered with white down, the style white, 1cm, greenish near the base. Buds red-purple (65B through 67A), darker at the tips and edges of the sepals, on pink pedicels (65A to 65B), deeper (67A) near the base. Emerging leaves opposite, trifoliate, the leaflets lanceolate, serrulate, woolly only near base of midrib on underside, glabrous elsewhere, yellow-green (144A/B) with shades of yellow-green (153B), tinted greyed-orange (165A) near midrib. Petioles bronzy, greyed-orange (165A). Flowering specimen [WSY0113680] and digital image [WSYD0001592] in the RHS Herbarium (WSY).

***Streptocarpus* 'Caitlin'**

Award of Merit as a tender flowering plant for exhibition. Raised and exhibited by Dibley's Nurseries, Llanelidan, Ruthin, Clwyd, Wales, LL15 2LG on 21 May 2007.

Leaves dark green, rugose, some interspersed among flowers. Flower stems dark olive green, hairy, usually 10–14 flowers per stem appearing sequentially with 4–6 open at the same time. Flowers 35 × 35mm with a 28mm long tube, mid and bright magenta pink; upper 2 lobes mid pink (N74C) with a slight central veining of bright pink (71A); lower 3 lobes bright magenta pink (71A/72A blend); tube internally white to pale pink with veins of magenta pink for the outer half, becoming denser towards the lip. Intense flower colour with a good arrangement of foliage and flowers. Flowering specimen [WSY0100794] and digital image [WSYD0001572] in the RHS Herbarium (WSY).

***Streptocarpus* 'Charlotte'**

Award of Merit as a tender flowering plant for exhibition. Raised and exhibited by Dibley's Nurseries, Llanelidan, Ruthin, Clwyd, Wales, LL15 2LG on 21 May 2007.

Leaves mid to dark green, hairy, relatively broad. Flower stems light to mid green, hairy, typically up to 5 flowers per stem. Flowers large, pale violet and creamy yellow;

upper 2 lobes pale violet (85B/C); lower 3 lobes pale violet with a dominant, basal creamy yellow (2C) blotch; tube internally pale violet with longitudinal, broken dark purple (83B) lines. Calyx lobes linear, up to 8mm long, light to mid green. Well proportioned plant with a good flower colour combination. Flowering nomenclatural standard specimen [WSY0100793] and digital image [WSYD0001573] in the RHS Herbarium (WSY).

***Streptocarpus* 'Frosty Diamond'**

Award of Merit as a tender flowering plant for exhibition. Raised and exhibited by Dibley's Nurseries, Llanelidan, Ruthin, Clwyd, Wales, LL15 2LG on 21 May 2007.

Leaves mid to dark green, hairy, spreading horizontally. Flower stems dark olive green, hairy. Flowers held well above the foliage, 42 × 42mm with a <25mm tube, pale violet and dark purple; upper 2 lobes pale violet (92C) darkening slightly (92B) towards the edge; lower 3 lobes violet (92B/A) overlaid with a dense network of dark purple veins (bluer than 86A) and with two small warm white flashes at the base of the middle lower lobe; tube internally cool white darkening to pale violet at tip with purple veins in the outer, bottom third. Masses of well fanned-out foliage that frames the airy flowers. Flowering nomenclatural standard specimen [WSY0100796] and digital image [WSYD0001574] in the RHS Herbarium (WSY).

***Streptocarpus* 'Jacquie'**

Award of Merit as a tender flowering plant for exhibition. Raised and exhibited by Dibley's Nurseries, Llanelidan, Ruthin, Clwyd, Wales, LL15 2LG on 21 May 2007.

Leaves dark green, hairy, held horizontally; petiole reverse flushed red towards base. Flower stems light to mid green, densely hairy, 10–13 flowers per stem. Flowers 32 × 35mm with <30mm tube, densely arranged, with no visible gap between foliage and flowers, pale violet blue and rich purple; 2 upper lobes violet blue (92A–C), typically paler towards the tube and with a very slight, darker central veining; 3 lower lobes violet blue overlaid with dense rich purple veins (N88A) at the base to form a dominant blotch; tube internally cool white with touches of rich purple veining and two yellow-orange flashes emerging onto the 3 lower lobes. Calyx lobes linear, to 6mm. A compact plant with lots of flower power due to the high number of flowers per stem. Flowering nomenclatural standard specimen [WSY0100795] and digital image [WSYD0001575] in the RHS Herbarium (WSY).

Strumaria chaplinii

Award of Merit as a flowering plant for exhibition. Exhibited by The Director, Royal Botanic Gardens, Kew, Richmond, Surrey on 12 September 2006. Description and colour picture in *The Alpine Gardener* 75(4): 481–2.

Strumaria karoopoortensis

Botanical Certificate for its rarity in cultivation. Exhibited by The Director, Royal Botanic Gardens, Kew, Richmond, Surrey on 12 September 2006. Description in *The Alpine Gardener* 75(4): 531.

***Syringa komarowii* 'Emei Shan'**

Certificate of Preliminary Commendation as a flowering plant for exhibition. Exhibited by The Curator on behalf of the Sir Harold Hillier Gardens, Ampfield House, Jermyns Lane, Ampfield, Romsey, Hampshire, SO51 0QA on 21 May 2007.

The colour of this plant was darker than the one commonly available in the trade. It was noted to be a superb species with large, hanging, buddleja-like flower panicles.

Wild-collected at 2,340m altitude on Emei Shan, Emeishan Shi, Sichuan, on 18th October 1994. Flowers red-purple (71A/B) in bud, darker than the typical form (70A/B), opening slightly paler, in dense, fragrant, drooping, cylindrical inflorescences, 10cm × 4cm. Corolla tube narrow, about 12mm long and 1mm in diameter, with small, triangular lobes about 2–3mm. Inflorescence stalk dark brownish purple, nearly glabrous, with scattered prominent tawny elliptical lenticels, aligned along the axis. First year stems greenish, also with prominent lenticels. Leaves opposite, elliptic, 100–150mm long × 50–55mm broad, apiculate, the base attenuate, the margins finely ciliate, glabrous dull dark green, (c. 137A) above, pubescent and paler below. Petioles 10–20mm, glabrous. A selection from the collector's code Ogisu 94313. Flowering specimen [WSY0113676] and digital image [WSYD0001579] in the RHS Herbarium (WSY).

***Syringa pubescens* subsp. *julianae* 'George Eastman'**

Certificate of Preliminary Commendation as a flowering plant for exhibition. Exhibited by Mr I R Dickings, Rumah Kita, Bedfield, Woodbridge, Suffolk, IP13 7JJ on 21 May 2007.

This free-flowering plant had a neat, compact habit, attractive foliage, and elegant flower panicles with a good depth of colour. This chance seedling in Durrand-Eastman Park, Rochester, New York, had first flowered in 1972. Inflorescence a many-flowered panicle, about 14cm long, the inflorescence stalks very dark brownish purple and finely downy. Flowers slightly fragrant, the corolla tube 14mm with lobes 3mm long × 2mm broad, red-purple (70A/B to 71A/B), paler inside (70C), grouped in clusters, mostly of 3, occasionally of 2, flowers. Calyx dark purple, minutely pubescent, about 2mm, with 4 short, triangular teeth, less than 0.5mm. Leaves opposite, broadly elliptic to ovate, 35–45mm long × 30–40mm broad, the base obtuse, the tip acute or obtuse, with few, scattered, short hairs above, the pubescence slightly denser below, particularly along the veins. Leaves dull dark green (c. 137A) above, paler below, the margins entire and finely ciliate. Petioles 5–15mm, finely pubescent. Flowering specimen [WSY0113677] and digital image [WSYD0001580] in the RHS Herbarium (WSY).

***Trisetella hirtzii* 'Eva May'**

Botanical Certificate for its interesting morphological features. Exhibited by Mr E Eyre, North Wheatley, Retford, Nottinghamshire on 16 January 2007. Description and colour pictures in *The Orchid Review* 115: 119. Digital image [WSYD0001585] in the RHS Herbarium (WSY).

***Trisetella regia* 'Eva May'**

Botanical Certificate to encourage the cultivation of this Peruvian species, which has a very large flower for the genus. Exhibited by Mr E Eyre, North Wheatley, Retford, Nottinghamshire on 16 June 2007. Description and colour pictures in *The Orchid Review* 115: 296–7.

***Triteleia laxa* 'Dexter'**

Award of Merit as a hardy flowering plant for exhibition. Exhibited by Dr and Mrs R Wallis, Carmarthen on 7 July 2007. Description in *Proceedings of the Royal Horticultural Society* 126: 162 (2002) upon the award of a Certificate of Preliminary Commendation. Further information and a colour picture can be found in *The Alpine Gardener* 75(4): 493–4. Flowering specimen [WSY0099276] in the RHS Herbarium (WSY).

Tulipa 'Angel's Wish'

Award of Merit as a flowering plant for exhibition. Exhibited by Mr R Blom, Shelton, Huntingdon on 24 April 2007.

Plant c. 500mm tall. Leaves 250–300mm long, broadly lanceolate, dark bluish green (133A), margins wavy and incurling. Tepals 70mm long, 55mm wide, oblong, rounded and notched at apex, greenish white (155C), with brilliant greenish yellow (4A) in a triangle along the midrib, narrow at apex, wider at base, smooth, stiff and upright, tightly overlapping (separating with maturity), the inner tepals are not marked with yellow. Sweetly scented. Flowering specimen [WSY0101074] in the RHS Herbarium (WSY).

Tulipa montana

Certificate of Preliminary Commendation as a flowering plant for exhibition. Exhibited by The Director, Royal Botanic Gardens, Kew, Richmond, Surrey on 3 April 2007.

Leaves long and lanceolate, glaucous. Flowers solitary, bowl-shaped. Tepals 4–5cm long, 3cm wide, clear bright red with black at the base. The outer tepals obovate and mucronate; the inner tepals ovate and notched at apex. Anthers bright yellow. Digital image [WSYD0001578] in the RHS Herbarium (WSY).

Zaluzianskya ovata

Award of Merit as a flowering plant for exhibition. Exhibited by Drs I and C Bainbridge, 3 Woodhouselee, Easter Howgate, Penicuik, Midlothian EH26 0PE on 19 May 2007.

Woody-based, bushy perennial to 150mm. Lower leaves in one or two opposite pairs, irregularly toothed, 40 × 15mm, broadly oblanceolate with short, appressed hairs; upper leaves similar, alternate. Inflorescence leafy with up to 10 flowers in opposite pairs; calyx to 15mm, narrow, tubular, 2-lipped. Flower tube narrow to 60mm long, white; lobes 5, obovate, deeply divided beyond halfway, white (155D), red-purple (60C) on the reverse. Style long, exserted. Further information can be found in *The Alpine Gardener* 75(4): 490.

Zootrophion endresianum 'St Stephens'

Botanical Certificate. Exhibited by Mr D Ridgeway, St Albans, Hertfordshire on 30 September 2006. Description and colour pictures in *The Orchid Review* 115: 54. Photographic slide [WSY0099016] in the RHS Herbarium (WSY).

Corrections

The following two corrections to *Plants given Exhibition Awards 2005–2006* (*Hanburyana* 2: 58–82) are noted:

Chrysanthemum LINDA ('Lindayo')

The barcode reference to the photographic slide is correctly WSY0038234.

Epidendrum englerianum 'Akerne'

The exhibition date is correctly 17 September 2005.

Nomenclatural Standards deposited in the Royal Horticultural Society's Herbarium, Wisley (WSY) October 2006–October 2007

COMPILED BY S.R. GRAYER

Botany Department, RHS Garden Wisley

The *International Code of Nomenclature for Cultivated Plants* (Brickell *et al.*, 2004) states: "A nomenclatural standard is an herbarium specimen or its equivalent to which the name of a cultivar or Group is permanently attached" (*ICNCP* Div. V, clause 1). Items are sent for deposit in the Royal Horticultural Society's herbarium (**WSY**); in accordance with Division V, clause 1 of the *ICNCP*, by listing them in this publication they are officially designated nomenclatural standards. This list is a continuation of the list previously published in *Hanburyana* 2: 83–94 (2007).

The list that follows gives the plant name, the date it was collected or registered; the form the standard takes (i.e. herbarium specimen – flowering (fl), fruiting (fr), vegetative (v); illustration – painting (p), photographic transparency (tr), colour photograph (pc) which includes prints from digital files); and the unique accession number.

Abutilon × *suntense* 'Gorer's White', 14 Jun 1977, (fl), WSY0074091
Aesculus indica 'Sydney Pearce', 13 Jun 1967, (fl), WSY0095745
Agapanthus 'Snow Pixie', Aug 1998, (fl), WSY0005564
Aquilegia vulgaris var. *stellata* 'Blue Fountain', 18 May 2007, (fl), WSY0100155
Astilbe × *arendsii* 'Gertrud Brix', 21 May 1930, (p), WSY0009870
Astilbe × *arendsii* 'William Reeves', 15 Jul 1930, (p), WSY0009873
Aubrieta 'Maurice Prichard', 25 Apr 1922, (p), WSY0009875
Begonia 'A.T. Shardlow', 15 Aug 1939, (p), WSY0009876
Begonia 'Golden Queen', 15 Aug 1939, (p), WSY0009896
Begonia 'N.F. Barnes', 15 Aug 1939, (p), WSY0009915
Brachyglottis 'County Park', 25 Jun 2003, (fl), WSY0043745
Chrysanthemum 'Bronze Fairie', Sep 1963, (tr), WSY0096503
Chrysanthemum 'Cressington', 12 Sep 1944, (p), WSY0016257
Chrysanthemum 'Crimson Circle', 22 Sep 1925, (p), WSY0016258
Chrysanthemum 'Crimson Conquest', 17 Jan 1928, (p), WSY0016259
Chrysanthemum 'Crimson Dawn', 17 Nov 1925, (p), WSY0016109
Chrysanthemum 'Crimson Glory', 30 Sep 1931, (p), WSY0016110
Chrysanthemum 'Dazzle', 23 Oct 1929, (p), WSY0016197
Chrysanthemum 'Eakley', Sep 1964, (tr), WSY0096501
Chrysanthemum 'Florist', Aug 1963, (tr), WSY0096502

- Chrysanthemum* 'Minstrel', 2 Oct 1923, (p), WSY0016411
Chrysanthemum 'Regalia Rouge', Sep 1963, (tr), WSY0096506
Cichorium intybus 'Little Somerford', 7 Sep 2006, (v), WSY0096105
Clematis 'Amelia Joan', 1996, (fl), WSY0096965
Clematis 'Andromeda', 1999, (pc), WSY0096819
Clematis 'Angela's Double', 2002, (pc), WSY0096776
Clematis 'Apricot Star', 19 Oct 2002, (fl), WSY0096855
Clematis 'Bal Maiden', 2 Aug 2007, (fl), WSY0100274
Clematis 'Barry', 3 Jun 2006, (fl), WSY0096744
Clematis 'Berkeley Square', 2002, (fl), WSY0096968
Clematis 'Bieszczady', 4 Aug 2006, (pc), WSY0096712
Clematis 'Biruzinka', 8 Dec 1997, (tr), WSY0100486
Clematis 'Blue Chip', 2006, (pc), WSY0096714
Clematis 'Blue Ravine', 1992, (tr), WSY0096793
Clematis 'Brewster', 2001, (tr), WSY0096789
Clematis 'Brīnums', 1998, (pc), WSY0096970
Clematis 'Buckland Beauty', Aug 2006, (fl), WSY0096217
Clematis 'Buckland Cascade', 3 Aug 2007, (fl), WSY0100271
Clematis 'Buckland Longshanks', Aug 2006, (fl), WSY0096218
Clematis × *cartmanii* hort. 'White Cascade', 2000, (pc), WSY0096828
Clematis 'Chacewater', 2 Aug 2007, (fl), WSY0100273
Clematis 'Chatsworth', 2006, (pc), WSY0100494
Clematis 'Christopher', 2004, (pc), WSY0096826
Clematis cirrhosa var. *purpurascens* 'Lansdowne Gem', 1997, (pc), WSY0096823
Clematis 'Cornish Spirit' 28 Jun 2006, (pc), WSY0096708
Clematis 'Dark Eyes', Jan 2007, (pc), WSY0100499
Clematis 'Dārta', 2003, (pc), WSY0096973
Clematis 'Daugava', 2000, (pc), WSY0096971
Clematis 'De Vijfhoeven', Sep 2000, (pc), WSY0096842
Clematis 'Debbie's Star', 19 Oct 2002, (fl), WSY0096856
Clematis 'Doctor Penelope', 2001, (fl), WSY0096853
Clematis 'Dominika', 1999, (tr), WSY0096829
Clematis 'Dunajéc', 1999, (tr), WSY0096972
Clematis 'Dundaga', 2003, (pc), WSY0096974
Clematis 'Dusky Star', 2000, (fl), WSY0096817
Clematis 'El Pinko', 24 Oct 1999, (pc), WSY0096975
Clematis 'Esprit', 2007, (tr), WSY0100417
Clematis 'Etta', 30 Dec 2006, (pc), WSY0096717
Clematis 'Finn', 2004, (pc), WSY0096820
Clematis 'Fond Memories', 2003, (pc), WSY0096846
Clematis 'Frilly Pants', 2002, (fl), WSY0096810
Clematis 'Hornessy', 10 Jul 2006, (pc), WSY0096721
Clematis 'Iubileinyi-70', 8 Dec 1997, (tr), WSY0100492
Clematis 'Jana von der Birke', 30 Dec 2006, (pc), WSY0096723
Clematis 'Jerzy Popiełuszko', 8 Jun 2000, (tr), WSY0096837
Clematis 'Joyful Star', 19 Oct 2002, (fl), WSY0096854
Clematis 'Karina', 2004, (pc), WSY0096825
Clematis 'Kathryn Chapman', Jul 2004, (pc), WSY0100491
Clematis 'Kaupo', 2003, (pc), WSY0096976

- Clematis* 'Kerstin Thümmeler', 30 Dec 2006, (pc), WSY0096738
Clematis 'Killifreth', 2 Aug 2007, (fl), WSY0100272
Clematis 'Kristina Böttger', 30 Dec 2006, (pc), WSY0096724
Clematis 'Lech Wałęsa', 1 Jul 2003, (tr), WSY0096830
Clematis 'Lidia', 1999, (tr), WSY0096977
Clematis 'Little Guy', 2000, (fl), WSY0096979
Clematis 'Līvzeme', 2003, (pc), WSY0096985
Clematis 'Madame Kayo', 27 Jul 2006, (pc), WSY0096753
Clematis 'Magga', 30 Dec 2006, (pc), WSY0096726
Clematis 'Magic Star', 1996, (fl), WSY0096994
Clematis 'Maija', 2003, (pc), WSY0096984
Clematis 'Maria Cornelia', 29 Nov 2005, (pc), WSY0100487
Clematis 'Mazowsze', 4 Aug 2006, (pc), WSY0096727
Clematis 'Mazury', 4 Aug 2006, (pc), WSY0096734
Clematis (Montana Group) 'Tsunami Child', 3 Jun 2006, (fl), WSY0096741
Clematis 'Monty Zary', 1997, (fl), WSY0096768
Clematis 'Moonbeam', 1996, (fl), WSY0096948
Clematis 'Moonshadow', 14 May 2004, (pc), WSY0100481
Clematis 'Morning Yellow', 2000, (fl), WSY0096998
Clematis 'Mr Vanunu', 2000, (pc), WSY0096989
Clematis 'New Prince', 21 Oct 2006, (pc), WSY0096736
Clematis 'Pat Coleman', 1996, (pc), WSY0096845
Clematis 'Perida', 30 Nov 2005, (pc), WSY0100493
Clematis 'Pink Cameo', 1999, (tr), WSY0096796
Clematis 'Pink Minnie', 1996, (fl), WSY0097000
Clematis 'Pink Rave', 2002, (fl), WSY0100003
Clematis 'Pink Starlight', 2000, (fl), WSY0096816
Clematis 'Piotr Skarga', 1999, (tr), WSY0096981
Clematis 'Poldice', 28 Jun 2006, (pc), WSY0096709
Clematis 'Polonez', 3 Oct 2002, (tr), WSY0096840
Clematis 'Primrose Star', 1996, (fl), WSY0096806
Clematis 'Rasputin', 30 Nov 2005, (pc), WSY0100496
Clematis 'Rosamunde', 30 Nov 2005, (pc), WSY0100495
Clematis 'Rozalia', 1999, (pc), WSY0096986
Clematis 'Saliut Pobedy', 9 Nov 2000, (tr), WSY0100488
Clematis 'Shirley Star', 17 Oct 2002, (fl), WSY0096858
Clematis 'Sidrabdancis', 2003, (pc), WSY0096821
Clematis 'Słowianka', 2002, (pc), WSY0096809
Clematis 'Solidarność', 2003, (tr), WSY0096835
Clematis 'Sophie', Oct 2004, (fl), WSY0096766
Clematis 'Starlet', 17 Oct 2002, (fl), WSY0096811
Clematis 'Starlight', 1996, (fl), WSY0100005
Clematis 'Sunrise', 1996, (fl), WSY0096850
Clematis 'Sweet Mystery', 2002, (fl), WSY0096804
Clematis tibetana subsp. *vernayi* 'Glasnevin Dusk', 22 Aug 2003, (fl), WSY0096860
Clematis tibetana subsp. *vernayi* 'Lorcan O'Brien', 4 Sep 2003, (fl), WSY0096863
Clematis 'Turaida', 2003, (pc), WSY0096983
Clematis 'Vanilla Cream', 1996, (fl), WSY0096859

- Clematis* 'Vasara', 2000, (pc), WSY0096987
Clematis 'Vince Denny', 2003, (tr), WSY0096889
Clematis 'Wee Willie Winkie', 2002, (fl), WSY0096857
Clematis 'White Rosebud', 2002, (fl), WSY0096805
Clematis 'Zilaiskalns, 2003, (pc), WSY0096982
Codonopsis grey-wilsonii 'Himal Snow', 31 Aug 1967, (fl), WSY0061402
Corydalis 'Sue Drew', 11 Apr 2006, (fl), WSY0095580
Crococsmia × *crococsmiiflora* 'E.A. Bowles', 24 Aug 1926, (p), WSY0016794
Crococsmia × *crococsmiiflora* 'Herbert Perry', 15 Aug 1933, (p), WSY0016760
Crococsmia × *crococsmiiflora* 'Honourable Mrs Edwin Montagu', 11 Sep 1928, (p), WSY0016751
Crococsmia × *crococsmiiflora* 'Jessie', 18 Sep 1923, (p), WSY0016795
Crococsmia × *crococsmiiflora* 'Lord Lambourne', 24 Aug 1926, (p), WSY0016756
Crococsmia × *crococsmiiflora* 'Princess Mary', 31 Aug 1939, (p), WSY0016754
Crococsmia × *crococsmiiflora* 'R.C. Notcutt', 29 Aug 1927, (p), WSY0016753
Crococsmia × *crococsmiiflora* 'Rosemary', 15 Aug 1933, (p), WSY0016752
Crococsmia × *crococsmiiflora* 'Sir Mathew Wilson', 11 Sep 1928, (p), WSY0016796
Crococsmia pottsii 'Princess', 18 Sep 1923, (p), WSY0016755
Crocus boryi 'Brimstone', 15 Oct 2005, (fl), WSY0073974
Cymbidium faberi var. *szechuanicum* 'Akerne', 18 Mar 2006, (fl), WSY0095515
Dahlia 'Akebono-otome', 23 Feb 2006, (tr), WSY0103724
Dahlia 'Alauna Brilliantissime', 18 May 2006, (pc), WSY0103719
Dahlia 'Angel Delight', 25 Jan 2007, (pc), WSY0096677
Dahlia 'Barcelona', 28 Jun 2007, (pc), WSY0100223
Dahlia 'Bill Sanderson', 2 Mar 2006, (pc), WSY0103686
Dahlia 'Blue Boy', 14 Sep 2006, (pc), WSY0096145
Dahlia 'Boom Boom Purple', 26 Jan 2006, (pc), WSY0103709
Dahlia 'Bōshūji', 23 Feb 2006, (tr), WSY0103721
Dahlia 'Caballero', 30 Mar 2006, (pc), WSY0103683
Dahlia 'Cannes', 2 Feb 2006, (pc), WSY0103708
Dahlia 'Carlien', 30 Mar 2006, (pc), WSY0103685
Dahlia 'Carly', 8 Oct 2006, (pc), WSY0096221
Dahlia 'Catherine Chateau', 2 Feb 2006, (pc), WSY0103705
Dahlia 'Charmer', 1931, (p), WSY0017145
Dahlia 'Collector', 28 Sep 2006, (pc), WSY0096179
Dahlia 'Collette Princess', 26 Oct 2006, (pc), WSY0096321
Dahlia 'Collette Queen', 26 Oct 2006, (pc), WSY0096320
Dahlia 'Daniel's Favourite', 29 Aug 2006, (pc), WSY0096082
Dahlia 'Dave Charnley', Sep 1963, (tr), WSY0096493
Dahlia 'Dikara Kent', 11 Sep 2007, (fl), WSY0100369
Dahlia 'Dominique', 30 Mar 2006, (pc), WSY0103687
Dahlia 'Dutch Explosion', 14 Sep 2006, (pc), WSY0096147
Dahlia 'Eastwood's Roulette', 15 Jun 2006, (pc), WSY0103684
Dahlia 'Erny', 30 Nov 2006, (pc), WSY0096510
Dahlia 'Eternal Snow', 15 Aug 2006, (pc), WSY0096083
Dahlia 'Eternity', 2 Feb 2006, (pc), WSY0103703
Dahlia 'Eurostar', 24 Aug 2006, (pc), WSY0096084
Dahlia 'Evening Blues', 2 Feb 2006, (pc), WSY0103702
Dahlia 'Gerardina', 30 Nov 2006, (pc), WSY0096509

- Dahlia* 'Graaf Floris', 24 Aug 2006, (pc), WSY0096085
Dahlia 'H.J. Jones', 1 Sep 1926, (p), WSY0017067
Dahlia 'Haha-no-emi', 23 Feb 2006, (tr), WSY0103723
Dahlia HAPPY SINGLE WINK 'HS Wink', 28 Sep 2006, (pc), WSY0096178
Dahlia 'Holland Festival', Sep 1963, (tr), WSY0096496
Dahlia 'Hotaru-hime', 23 Feb 2006, (tr), WSY0103726
Dahlia 'Impulsive', 2 Feb 2006, (pc), WSY0103704
Dahlia 'Janet Beckett', 1953, (tr), WSY0096500
Dahlia 'Jeremy', 14 Sep 2006, (pc), WSY0096146
Dahlia 'Jowey Anouschka', 24 Aug 2006, (pc), WSY0096086
Dahlia 'Jowey Gipsy', 24 Aug 2006, (pc), WSY0096087
Dahlia 'Kanki', 23 Feb 2006, (tr), WSY0103725
Dahlia 'Kawa-biraki', 23 Feb 2006, (tr), WSY0103728
Dahlia 'Kazusa-boshun', 23 Feb 2006, (tr), WSY0103727
Dahlia 'Kazusa-no-hikari', 23 Feb 2006, (tr), WSY0103730
Dahlia 'Kazusa-shiranami', 23 Feb 2006, (tr), WSY0103729
Dahlia 'Kōge', 23 Feb 2006, (tr), WSY0103732
Dahlia 'Kōraku', 23 Feb 2006, (tr), WSY0103731
Dahlia 'Koshū', 23 Feb 2006, (tr), WSY0103734
Dahlia 'La Haute Maison', 16 Mar 2006, (pc), WSY0103699
Dahlia 'La Rouvre', 16 Mar 2006, (pc), WSY0103697
Dahlia 'Lady Joyce', 23 Mar 2006, (pc), WSY0103690
Dahlia 'Lady Louisa', 23 Mar 2006, (pc), WSY0103694
Dahlia 'Lady Patricia', 23 Mar 2006, (pc), WSY0103696
Dahlia 'Lady Vida', 23 Mar 2006, (pc), WSY0103691
Dahlia 'Lauren Michele', 21 Sep 2006, (pc), WSY0096177
Dahlia 'Little Suzy', 2 Feb 2006, (pc), WSY0103701
Dahlia 'Lord James', 23 Mar 2006, (pc), WSY0103689
Dahlia 'Lord William', 23 Mar 2006, (pc), WSY0103692
Dahlia 'Marble Ball', 21 Sep 2006, (pc), WSY0096175
Dahlia 'Margaretha Berens', 22 Dec 2005, (pc), WSY0100285
Dahlia 'Minnesota', 12 Oct 2006, (pc), WSY0096220
Dahlia 'Momiji-hime', 23 Feb 2006, (tr), WSY0103733
Dahlia 'Munt's Willie', 22 Dec 2005, (pc), WSY0100283
Dahlia 'My Neddy', 25 Jan 2007, (pc), WSY0096686
Dahlia 'Nienke', 22 Dec 2005, (pc), WSY0100284
Dahlia 'Normandie Blush', 16 Mar 2006, (pc), WSY0103700
Dahlia 'Orange Pygmy', 24 Aug 2006, (pc), WSY0096088
Dahlia 'Peach Brandy', 2 Feb 2006, (pc), WSY0103707
Dahlia 'Peaches and Cream', 29 Aug 2006, (pc), WSY0096089
Dahlia 'Perran's Yellow', Sep 1964, (tr), WSY0096499
Dahlia 'Proche Ami', 30 Dec 2006, (pc), WSY0096671
Dahlia 'Purple Pearl', 30 Mar 2006, (pc), WSY0103688
Dahlia 'Rhys', 8 Oct 2006, (pc), WSY0096319
Dahlia 'Rotterdam', Sep 1964, (tr), WSY0096498
Dahlia 'Royal Sceptre', 1963, (tr), WSY0096495
Dahlia 'Ryecroft Marge', 11 Sep 2007, (fl), WSY0100367
Dahlia 'Salt Lake', 13 Sep 2007, (pc), WSY0100437

- Dahlia* 'Sam Hopkins', 24 Aug 2006, (pc), WSY0096091
Dahlia 'Shirayuki-otome', 23 Feb 2006, (tr), WSY0103736
Dahlia 'Siedlerstolz', 5 Oct 2006, (pc), WSY0096508
Dahlia 'Sights of Summer', 2 Feb 2006, (pc), WSY0103710
Dahlia 'Sky Angel', 10 Aug 2006, (pc), WSY0103982
Dahlia 'Snoho Diane', 24 Aug 2006, (pc), WSY0096093
Dahlia 'The Phantom', 29 Aug 2006, (pc), WSY0096095
Dahlia 'Tötenkö', 23 Feb 2006, (tr), WSY0103735
Dahlia 'Toto', 24 Aug 2006, (pc), WSY0096097
Dahlia 'Toyama', 24 Aug 2006, (pc), WSY0096096
Dahlia 'Trelyn Daisy', 23 Sep 2006, (pc), WSY0096231
Dahlia 'Tresor', 26 Jan 2006, (pc), WSY0103706
Dahlia 'Tropical Sunset', 21 Sep 2006, (pc), WSY0096180
Dahlia 'Twyning's Aniseed', 23 Mar 2006, (pc), WSY0103693
Dahlia 'Twyning's Chocolate', 23 Mar 2006, (pc), WSY0103695
Dahlia 'Twyning's White Chocolate', 23 Mar 2006, (pc), WSY0103698
Dahlia 'Unwins' Centennial', 24 Aug 2006, (pc), WSY0096149
Dahlia 'Virginia Ogilvy', Sep 1964, (tr), WSY0096497
Dahlia 'Wee Jean', Sep 1963, (tr), WSY0096491
Dahlia 'Weston Lofty', 26 Jan 2006, (tr), WSY0070917
Dahlia 'Weston Stardust', 22 Dec 2006, (pc), WSY0096518
Dahlia 'Weston Tea-time', 2005, (pc), WSY0103712
Dahlia 'Weston Torero', 22 Dec 2006, (tr), WSY0096517
Dahlia 'Wood Plumpton', 24 Aug 2006, (pc), WSY0096098
Dahlia 'Yozora', 23 Feb 2006, (tr), WSY0103738
Dahlia 'Zen', 23 Feb 2006, (tr), WSY0103737
Daphne × *whiteorum* 'Beauworth', 7 Jul 2007, (fl), WSY0100306
Delphinium 'Cranberry Delight', 5 Jul 2006, (pc), WSY0103774
Delphinium 'Justina', 25 Jan 2006, (tr), WSY0070624
Dianthus 'Bailey's Celebration', 4 Jun 2007, (pc), WSY0100126
Dianthus 'Ben Gascoigne', 22 Jan 1999, (pc), WSY0025237
Dianthus 'Lakeside Nancy', 1993, (pc), WSY0096446
Diascia personata 'Hopleys', 31 Aug 2004, (fl), WSY0096034
Erica × *gaudificans* 'Edeweicht Belle', 30 Jun 2004, (fl), WSY0077089
Eupatorium maculatum 'Purple Bush', 9 Aug 2006, (fl), WSY0097076
Euphorbia donii 'Amjillasa', 14 Jul 1992, (fl), WSY0095744
Fuchsia 'Joanna Lumley', 22 Aug 2007, (fl), WSY0100386
Gentiana 'Braemar', 4 Oct 2005, (fl), WSY0072114
Gentiana sino-ornata 'Purity', 15 Oct 2005, (fl), WSY0073972
Gentiana 'St Andrews', 4 Oct 2005, (fl), WSY0072111
Geranium (Cinereum Group) 'Gillian Perrin', 20 Jun 2005, (fl), WSY0097634
Geranium (Cinereum Group) ROTHBURY GEM 'Gerfos', 2 Jun 2005, (fl), WSY0097623
Geranium 'Coffee Time', 27 Jun 2005, (fl), WSY0097685
Geranium 'Danny Boy', 19 Jul 2005, (fl), WSY0096474
Geranium 'Elworthy Eyecatcher', 29 Jun 2005, (fl), WSY0096460
Geranium 'Hope Mountain', 19 Jul 2005, (fl), WSY0096453
Geranium 'Law's Luck', 13 Jul 2005, (fl), WSY0097709
Geranium × *monacense* var. *monacense* 'Breckland Fever', 31 May 2006, (fl), WSY0096445
Geranium nodosum 'Julie's Velvet', 20 Jul 2005, (fl), WSY0096462

- Geranium nodosum* 'Saucy Charlie', 22 Jul 2005, (fl), WSY0096466
Geranium nodosum 'Silverwood', 20 Jul 2005, (fl), WSY0096470
Geranium phaeum 'Alec's Pink', 2 Jun 2006, (fl), WSY0096452
Geranium phaeum 'Séricourt', 2 Jun 2006, (fl), WSY0096222
Geranium 'Pink Delight', 13 Jul 2005, (fl), WSY0097697
Geum 'Bell Bank', 30 May 2007, (fl), WSY0100125
Geum 'Gladys Perry', 23 May 1933, (p), WSY0017560
Geum 'Prince of Orange', 29 May 1934, (p), WSY0017561
Halimium 'Sarah', 30 Jun 1999, (fl), WSY0104012
Hedychium coccineum 'Tara', 26 Sep 1978, (fl), WSY0095802
Hedychium densiflorum 'Stephen', 10 Aug 1982, (fl), WSY0095799
Hepatica 'Blue Max', 4 Mar 2006, (fl), WSY0095554
Hepatica × *media* 'Sue White', 4 Mar 2006, (fl), WSY0095552
Hermodactylus tuberosus 'Blue Jade', 13 Feb 2007, (fl), WSY0096745
Hyacinthoides 'Bartlett's Pink', 26 Apr 2007, (fl), WSY0100321
Ipeion 'Rolf Fiedler', 8 Mar 1983, (fl), WSY0095748
Lavatera × *clementii* Cheek 'Kew Rose', 19 Jul 1988, (fl), WSY0074271
Leonotis leonurus 'Harrismith White', 26 Nov 1985, (fl), WSY0095749
Leptospermum scoparium 'Alfred Coates', 27 Jun 1972, (fl), WSY0095750
Lilium 'Action', 2004, (pc), WSY0096389
Lilium 'Albany', 2004, (pc), WSY0096409
Lilium 'Andrea Vavilov', 2004, (pc), WSY0096339
Lilium 'Birthday', 2004, (pc), WSY0096390
Lilium 'Blankenfelder Juwel', 2004, (pc), WSY0096349
Lilium 'Boogie Woogie', 2004, (pc), WSY0096392
Lilium 'Brūnactīņa', 2005, (pc), WSY0096415
Lilium 'Brushmarkfeuer', 2004, (pc), WSY0096351
Lilium 'Cheney Josette', 2004, (pc), WSY0096412
Lilium 'Contrast', 2004, (pc), WSY0096391
Lilium 'Copaya', 2004, (pc), WSY0096394
Lilium 'Costa Del Sol', 2004, (pc), WSY0096364
Lilium 'Dark Moon', 2005, (pc), WSY0096425
Lilium 'Dark Star', 2003, (pc), WSY0096344
Lilium 'Daugava', 2004, (pc), WSY0096368
Lilium 'Dewberry', 2004, (pc), WSY0096367
Lilium 'Doctor Dale Cleary', 2004, (pc), WSY0096385
Lilium 'Easly', 2004, (pc), WSY0096393
Lilium 'Elgersburg', 2004, (pc), WSY0096355
Lilium 'First Arrival', 2004, (pc), WSY0096396
Lilium 'Flying Wing', 2004, (pc), WSY0096365
Lilium 'Gwyneth Evans', 2004, (tr), WSY0096420
Lilium 'Harry Wharton', 2004, (pc), WSY0096411
Lilium 'Henena', 2004, (pc), WSY0096373
Lilium 'Hillcrest Cynthia', 2005, (pc), WSY0096422
Lilium 'Honey Gold', 2004, (pc), WSY0096395
Lilium 'Honeymoon', 2004, (pc), WSY0096407
Lilium 'Icepearl', 2004, (pc), WSY0096410
Lilium 'Jasmine-D', 2004, (pc), WSY0096357
Lilium 'Just Jazz', 2005, (pc), WSY0096398

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- Lilium* 'Karen Elizabeth', 2003, (pc), WSY0096347
Lilium 'Karen Turner's Cottage', 2003, (pc), WSY0096342
Lilium 'Kissme', 2005, (pc), WSY0096417
Lilium 'Kiwitahi', 2004, (pc), WSY0096379
Lilium 'Lapkritis', 2005, (pc), WSY0096416
Lilium 'Leda', 2004, (pc), WSY0096397
Lilium Liddell Group, 2004, (pc), WSY0096380
Lilium 'Lightning Bug', 2004, (pc), WSY0096384
Lilium 'Maestro', 2005, (pc), WSY0096418
Lilium 'Malibu', 2004, (pc), WSY0096400
Lilium 'Mary Liss', 2005, (pc), WSY0096428
Lilium 'Mâte Terêze', 2004, (pc), WSY0096372
Lilium 'Miss Lucy', 2003, (pc), WSY0096343
Lilium 'Musik der Nacht', 2004, (pc), WSY0096356
Lilium 'My A', 2004, (pc), WSY0096374
Lilium 'My Regina', 2004, (pc), WSY0096371
Lilium 'My Shadow', 2004, (pc), WSY0096426
Lilium 'Nissouri Blush', 2004, (pc), WSY0096381
Lilium 'Nissouri Daydream', 2005, (pc), WSY0096424
Lilium 'Northern Explorer', 2004, (pc), WSY0096370
Lilium 'Orangade', 2004, (pc), WSY0096375
Lilium 'Randa Lou', 2003, (pc), WSY0096345
Lilium 'Red Hot', 2004, (pc), WSY0096405
Lilium 'Redding', 2004, (pc), WSY0096408
Lilium 'Salmon Twinkle', 2004, (pc), WSY0096366
Lilium 'Sapnojums', 2004, (pc), WSY0096376
Lilium 'Saulkrasti', 2004, (pc), WSY0096413
Lilium 'Seidenschimmer', 2004, (pc), WSY0096352
Lilium 'Sissy', 2004, (pc), WSY0096378
Lilium 'Small Red Hat', 2004, (pc), WSY0096377
Lilium 'Space Mountain', 2004, (pc), WSY0096399
Lilium 'Sternenregen' 2004, (pc), WSY0096354
Lilium 'Sunday Parfait', 2005, (pc), WSY0096423
Lilium 'Sutherland Fascination', 2004, (pc), WSY0096414
Lilium 'Sweet Irene', 2003, (pc), WSY0096346
Lilium 'Tara-D', 2004, (pc), WSY0096359
Lilium 'Tautas Dziesma', 2004, (pc), WSY0096360
Lilium 'Tēvzemīte', 2004, (pc), WSY0096361
Lilium 'Tornessa', 2004, (pc), WSY0096401
Lilium 'Tropical', 2004, (pc), WSY0096404
Lilium 'Ugunīgā', 2004, (pc), WSY0096362
Lilium 'Urandi', 2004, (pc), WSY0096406
Lilium 'Vālodzīte', 2004, (pc), WSY0096363
Lilium 'Visaversa', 2004, (pc), WSY0096402
Lilium 'White Pillar', 2004, (pc), WSY0096383
Lilium 'Xotica', 2004, (pc), WSY0096403
Lunaria annua 'Chedglow', 23 Mar 2007, (v), WSY0100009
Magnolia 'Anne Rosse', 17 Apr 1973, (fl), WSY0004271
Magnolia campbellii 'Dick Banks', 11 Apr 2006, (fl), WSY0103951

Magnolia sprengeri var. *diva* 'Wakehurst Seedling', 6 Apr 1946, (p), WSY0018878
Molinia 'Mary Thorp', 6 Oct 1998, (fl), WSY0016899
Narcissus 'Accomplice', 21 Jun 2006, (pc), WSY0103830
Narcissus 'Akita', 1 Dec 2005, (pc), WSY0103829
Narcissus 'Alfred's Choice', 1 Dec 2005, (pc), WSY0103831
Narcissus 'Apparent Heir', Mar 2006, (pc), WSY0103832
Narcissus 'Apricot Whirl', 24 Apr 2006, (pc), WSY0103833
Narcissus 'Bala', 13 Jan 2006, (pc), WSY0103835
Narcissus 'Betha', 13 Apr 1926, (p), WSY0018930
Narcissus 'Bluntington', 7 Dec 2005, (pc), WSY0103837
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The Editor welcomes suggestions for possible items for publication in future volumes of *Hanburyana*.

The principal aim of the serial is to provide a place of publication for papers on the taxonomy of cultivated plants (mainly the shorter kind of contribution, where there is a need to tidy up a problem that does not require a full account or revision), checklists and other contributions from the Registrars (ICRAs) where no other outlet exists.

It also provides a forum for debate on the *International Code of Nomenclature of Cultivated Plants*, and a place of publication for proposals to amend the *Code*.

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