

**'Burgemeester Koot'** (Triumph Group) see Classified List 1958

**'Burgemeester Oud'** (Cottage Group) see Classified List 1958

**'Burgemeester Van Fenema'** (Parrot Group) sport of '**Bartigon**', see Classified List 1958

**'Burgomaster De Vlugt'** '*Angel's Dream*' (Darwin Group) see Classified List 1958

**'Burgomaster Sandberg'** Single Late Group  
Tubergen, before 1919. Crimson maroon. Historical collections only.

**'Burgundy'** Lily-flowered Group  
Sport of '**Captain Fryatt**'  
Grullemans & Sons, 1957. Deep purplish violet.  
Height 50 cm

**'Burgundy Lace'** Fringed Group  
Segers, 1961. Wine red with crystalline fringe. ( $2n = 24$ )  
Height 70 cm  
AM-RHS 1970, TGA-KAVB 1973  
Sport: '**Carrousel**'

**'Burning Desire'** Triumph Group  
Sport of '**Hanna Glawari**'  
Klaver and P.W. Straathof, 1995. Exterior chrysanthemum red (CC 60b/c) top half of tepal with tomato red (CC 44c) glow at the margin, base ivory white (CC 155b) to primrose yellow (CC 2d). Inside chrysanthemum red (CC 60b) to blood red (CC 45a), base chartreuse green (CC 1d) to sulphur yellow (CC 6a/d). Filaments deep sea blue (CC 103a); pollen plum purple (CC 79a). Ovary sap green (CC 150c), stigma primrose yellow (CC 3c) to dresden yellow (CC 5c). Stem fern green (CC 146b/c), leaves slightly darker.  
Height 40 cm

**'Burning Fire'** (Greigii Group) see Classified List 1958

**'Burning Heart'** Darwinhybrid Group  
Sport of '**Ivory Floradale**'  
J.N.M. van Eeden, 1991. Exterior primrose yellow (CC 4d) with mimosa yellow (CC 8c) glow, inner tepals with a large banded blood red (CC 45c) flame; on the outer tepals a single blood red stripe. Inside dresden yellow (CC 5b/c) changing into a banded, starshaped tomato red (CC 44a) flame. Base sulphur yellow (CC 6a). Pollen deep violet purple. Ovary bluish green (CC 122a) on brownish grey (CC 197b) ground. Stigma dresden yellow (CC 5d).  
Height 55 cm  
TGA-KAVB 1991

**'Burning Love'** PBR Single Early Group  
 H.G. Huyg, 1981. Exterior: outer tepals flamed cardinal red with a small blood red edge, inner tepals glowing blood red, outer base greenish white; inside tomato red, base buttercup yellow, anthers violet purple.  
 Height 45 cm

**'Burns'** Fringed Group  
 Segers, 1968. Exterior phlox pink, outer base greyish white; inside neyron rose, base ivory tinged, edged violet with crystalline fringe.  
 Height 60 cm  
 TGA-KAVB 1973

**butkovii** Botschantz. Miscellaneous  
 Central Asia; W. Tien Shan. Deep red, tinged crimson purple on reverse of outer tepals with yellow greenish base. Leaves very undulate and glaucous green, nearly greyish.

**'Butterboy'** (Darwin Group) see Classified List 1958

**'Buttercup'** Greigii Group  
 Jac. B. Roozen, 1955. Exterior carmine, edged yellow; inside deep golden yellow, base yellow with red blotches. Leaves mottled.  
 Height 25 cm

**'Caballa'** (Double Late Group) see Classified List 1958

**'Cabaret'** (Darwin Group) see Classified List 1958

**'Cabaret'** Lily-flowered Group  
 Sport of '**'Aladdin'**'  
 Nieuwenhuis Bros., 1963. Exterior cherry red; inside turkey red, base dresden yellow.  
 Height 55 cm

**'Cadence'** (Cottage Group) see Classified List 1958

**'Cadillac'** (Breeder Group) see Classified List 1958

**'Caen'** (Breeder Group) see Classified List 1958

**'Caesar'** see '**'Julius Caesar'**'

**'Café Brun'** Parrot Group  
 'Coffee Colour'  
 Raiser unknown, 1840. Yellow, spotted and streaked light brown. ( $2n = 24$ )  
 Height 35 cm

**'Café Pourpre'** (Parrot Group) see Classified List 1958

**'Caland'** Parrot Group

Sport of **'Blue Parrot'**

Segers, 1958. Purple, base deep blue. ( $2n = 24$ )

Height 55 cm

**'Caledonia'** Single Late Group

Raiser unknown, before 1914. Orange scarlet. Historical collections only.

**'Calgary'** PBR Triumph Group

Vertuco, Veul Bros., 1995. Exterior ivory white (CC 155b) with large dresden yellow (CC 5d) flame, stronger on the outer tepals. Base dresden yellow (CC 5d). Inside ivory white (CC 155d) with vague mimosa yellow (CC 8d) glow. Base canary yellow (CC 9b). Filaments ivory white with canary yellow. Pollen aureolin (CC 12b). Ovary lettuce green (CC 144a), stigma primrose yellow (CC 2b).

Height 20 cm

TGA-KAVB 1990, AGM-RHS 1995

**'Calgary'** (Single Early Group) see Classified List 1958

**'Calibra'** PBR Fringed Group

H.G. Huyg & Son, 1993. Exterior blood red (CC 45a) with paler (CC 45b/c) margin; base chartreuse green (CC 154d). Inside blood red (CC 45b), base primrose yellow (CC 3a). Filaments primrose yellow (CC 3d), pollen canary yellow (CC 7d). Ovary yellow green (CC 145b), stigma chartreuse green (CC 1d). Stem lettuce green (CC 144a), leaves spinach green (CC 137a) with paler stripes. Outer tepals fringed near the top, inner tepals entirely fringed. Lily-flowered.

Height 50 cm

**'California'** Triumph Group

Zocher & Co., before 1935. Light lilac purple, passing to white. Historical collections only.

Sport: **'Pink Champion'**

**'Californian Sun'** Greigii Group

Sport of **'Plaisir'**

Jac. Prins & Son, 1988. Exterior: base chartreuse green (CC 1d); outer tepals canary yellow (CC 7d) with large scarlet to rose bengal (CC 43b-57d) flame from base to top. Inner tepals sulphur yellow (CC 6b) with striped scarlet flame on the top half of tepals. Vague lead grey (CC 201b) striped on the midvein on

the basal half of tepals. Inside sulphur yellow (CC 6c) with strong dutch vermillion (CC 40a) feathered flame on the top half of tepals. Basal half with striped black blotch, on the outer tepals up to the base. Base lemon yellow (CC 14a). Anthers long, pointed, lemon yellow (CC 13a). Filaments aureolin (CC 12a) changing into black near anthers.

Height 25 cm

**'Caliph of Bagdad'**

Double Early Group

C.P. Alkemade Cz., 1952. Deep buttercup yellow. ( $2n = 24$ )

Height 35 cm

**'Calista'**

Triumph Group

Snoek, 1987. Exterior: rose red (CC 58b) flame on roseine purple (CC 68b) ground, on outer tepals claret rose (CC 50b) flame, primrose yellow base. Inside: rose bengal (CC 57c) flamed with broad magnolia purple (CC 70c) margin, base dresden yellow on vague purple ground.

Height 45 cm

**callieri** Halász & Levier

Miscellaneous

Described 1897: Crimea. White, yellow at base, outer segments greenish grey tinged.

**'Calypso'** PBR

Greigii Group

Jan van Bentem, 1992. Exterior: outer tepals tomato red (CC 44d), with canary yellow (CC 9c) margin, vaguely tomato red (CC 44d) striped. Inner tepals vermillion (CC 41a/b). Base black brown (CC 200a) edged lemon yellow (CC 13b) fading into a canary yellow (CC 9c) rim, striped vermillion (CC 41a/b). Inside dutch vermillion (CC 40a). Base dark indian lake (CC 187a). At the base barium yellow (CC 10a) edged changing towards the top into a broader margin of dutch vermillion with stripes of barium yellow (CC 10a). Ovary yellow green (CC 145b). Tepals pointed. Stem scheele's green (CC 144c/d), leaves spinach green (CC 137c) mottled dark indian lake (CC 187a).

Height 30 cm

TGA-KAVB 1992

**'Calypso'**

Double Early Group

Sport of '**La Reine**'

Before 1906. Sulphur yellow. Historical collections only.

*Camara* see '**Helder Camara**'

**'Camargue'**

Single Late Group

Sport of '**Menton**'

W. Dekker & Sons, 1991. Exterior barium yellow (CC 10d), on the midvein a blood red (CC 45d) band. Inside dresden yellow (CC 5b), towards the base with

an ivory white (CC 155d) glow. Midvein claret rose (CC 50a), on inner tepals paler (CC 50b), bordered with a ivory white (CC 155c) rim. Base canary yellow (CC 9b). Filaments primrose yellow (CC 4d). Pollen canary yellow (CC 9c). Ovary scheele's green (CC 144b), stigma sap green (CC 150c).

Height 65 cm

**'Cambria'** (Cottage Group) see Classified List 1958

**'Cameo'** (Tuberigeniana Group) see Classified List 1958

**'Camera'** (Greigii Group) see Classified List 1958

**'Cameronia'** (Triumph Group) see Classified List 1958

**'Campana'** (Fosterianan Group) see Classified List 1958

**'Campbell'** (Triumph Group) see Classified List 1958

**'Campfire'** Single Late Group

Sport of **'Bartigon'**

Raiser unknown, before 1929. Blood red. Historical collections only.

Sport: (**'Bordeaux'**)

**'Canada'** Triumph Group

Zocher & Co., before 1923. Lilac rose on white, white base. Historical collections only.

**'Canadian Beauty'** (Mendel Group) see Classified List 1958

**'Canary Bird'** Double Early Group

Before 1880. Yellow. Historical collections only.

**'Canberra'** (Breeder Group) see Classified List 1958

**'Can Can'** Greigii Group

Hybrida, 1955. Exterior carmine; inside sulphur, base green, edged yellow with blood red blotches. Leaves mottled.

Height 30 cm

TGA-KAVB 1974

**'Candela'** Fosteriana Group

K. van Egmond & Sons, 1961. Pure yellow, anthers black. Large oblong flower.

(2n = 24)

Height 35 cm

TGA-KAVB 1961, AM-KAVB 1961

Sport: **'Soroptimist'**

**'Candente'** (Triumph Group) see Classified List 1958

**'Candidate'** see *tubergeniana* **'Candidate'**

**'Candlelight'**

Triumph Group

Sport of **'Lucky Strike'**

J. Jongejan & Sons, 1982. Exterior: outer tepals cardinal red with primrose yellow edge, inner tepals crimson with primrose yellow edged, outer base yellowish white with grey blotches; inside: a broad turkey feathered flame fading to a primrose yellow edge, short white vein at the top of the tepals, base sulphur yellow, anthers grey brown.

Height 55 cm

**'Candy Club'** PBR

Single Late Group

H.G. Huyg & Son, 1993. Exterior ivory white (CC 155a) with greenish white (CC 157a) glow, near the margins ivory white (CC 155b). Indian lake (CC 58a) edged. Base greyish yellow (CC 160d). Inside ivory white (CC 155a), indian lake (CC 58a) dotted. Base naples yellow (CC 11a) with a thin brownish grey (CC 197) glow. Filaments sap green (CC 150d) with some moss green (CC 135a). Pollen naples yellow (CC 11a). Ovary scheele's green (CC 144c), stigma sap green (CC 150d). Stem scheele's green (CC 143c), leaves fern green (CC 146a) with darker stripes. The older flower is fading into: exterior: base of the inner tepals edged ivory white (CC 155b), base of the outer tepals lilac purple (CC 74d) with ivory white (CC 155b) margins. Tepals lilac purple (CC 74d), near the midvein darker (CC 74c). Edged ivory white (CC 155b). Inside: base ivory white (CC 155a), tepals also with lilac purple (CC 74c) stripes. Filaments ivory white (CC 155a), pollen aureolin (CC 12b). Stigma primrose yellow (CC 2d). Leaves green, edged paler. Multiflowered.

Height 50 cm

**'Canopus'**

Darwinhybrid Group

Tubergen, 1945. Bright red with black base. ( $2n = 36$ )

Height 50 cm

**'Canova'**

Fringed Group

Segers, 1971. Exterior cobalt violet, tinted purple with crystalline white coloured fringe, outer base yellowish white; inside violet purple and whitish, base yellowish white, edged blue, anthers purple.

Height 60 cm

**'Cantata'**

Fosteriana Group

Tubergen. Vermilion red, basal blotch black, bordered yellow; shiny green leaves. ( $2n = 24$ )

Height 30 cm

AM-KAVB 1942

Sport: **'Polo'**

**'Cantor'**

Triumph Group

Colijn & Sons, 1960. Coral pink, base white, anthers black. ( $2n = 24$ )

Height 55 cm

FA-KAVB 1962, EFA-KAVB 1962

Sport: 'Cantorange'

**'Cantorange'**

Triumph Group

Sport of 'Cantor'

A.W. Meyles, 1981. Exterior flamed dull china rose, edged glowing orient red; inside signal red with small pale yellow vein, base canary yellow, edged grey green, anthers purple.

Height 55 cm

**'Cap d'Or'**

Greigii Group

Hybrida, 1955. Buttercup yellow, base black with red blotches. Leaves green.

Height 30 cm

**'Cape Cod'**

Greigii Group

Hybrida, 1955. Exterior apricot, edged yellow; inside bronze yellow, base black with red. Leaves mottled. ( $2n = 24$ )

Height 30 cm

**'Cape Horn'**

Greigii Group

Uittenbogaard &amp; Sons, 1962. Exterior scarlet, edged greenish yellow; inside primrose yellow with azalea rose blotch, base deep brownish red and orange, anthers pale yellow. Leaves mottled.

Height 30 cm

**'Capello'** (Double Late Group) see Classified List 1960**'Cape Town'** (Breeder Group) see Classified List 1958**'Cappricchio'** (Parrot Group) sport of 'Fantasy', see Classified List 1958**'Capri'**

Triumph Group

Bik, Jac. Tol, 1974. Exterior cardinal red with a carmine edge; inside dull claret rose, base purple with a white edge, anthers purple.

Height 40 cm

AM-RHS 1982

**'Caprice'**

Parrot Group

'Teutonia'

Sport of 'Blue Parrot'

Segers, 1951. Violet rose. ( $2n = 24$ )

Height 55 cm

Sport: 'Red Cap'

- 'Captain Carlsen'** Triumph Group  
Kavelaars, 1952. Deep red. Historical Collections only.
- 'Captain Fryatt'** Lily-flowered Group  
Tubergen. Garnet red. ( $2n = 24$ )  
Height 50 cm  
AM-KAVB 1931  
Sport: '**Burgundy**'
- 'Captein's Favourite'** Greigii Group  
Captein Bros., 1971. Glowing tomato red with a clover shaped black base, anthers yellow. Leaves mottled. ( $2n = 24$ )  
Height 35 cm  
TGA-KAVB 1971, AM-KAVB 1972, FCC-KAVB 1977
- 'Capucine'** (Double Early Group) sport of '**Murillo**', see Classified List 1958
- 'Caravaggio'** Double Early Group  
Sport of '**Murillo Maxima**'  
Van Reisen & Sons, 1960. Cherry red.  
Height 25 cm
- 'Caravane'** (Darwin Group) see Classified List 1958
- 'Caravelle'** PBR Single Late Group  
Konijnenburg & Mark, 1981. Exterior glowing ruby red, edged darker, outer tepals flamed dull chrysanthemum crimson, outer base greenish white; inside ruby red, base black, anthers plum purple.  
Height 55 cm
- Cardinal Cushing* see '**Richard Cardinal Cushing**'
- 'Cardinal Manning'** Single Late Group  
Raiser unknown, before 1913. Deep rose, edged pink. See also '**Graaf van Buren**'. Historical collections only.
- 'Cardinal Mindszenty'** Double Early Group  
Sport of '**Madame Testout**'  
Van Reisen & Sons, 1949. Pure white.  
Height 25 cm
- 'Cardinal Rampollo'** Double Early Group  
'Apricot', 'Safrano', 'Yellow Brutus'  
Sport of '**Brutus**'  
Before 1913. Orange and yellow. Historical collections only.

**'Cardinal's Hat'** Double Early Group

Raiser unknown, 1860. Scarlet. Historical collections only.

**'Caressa'** Triumph Group

Bito, 1978. Exterior dull claret rose with on outer tepals a cardinal red flame, greenish white basal blotches; inside bright blood red, base buttercup yellow on ivory white ground, anthers violet purple.

Height 50 cm

*Cariba* see '**Kariba**'

**'Carina'** (Greigii Group) see Classified List 1987

**carinata** Vved. Miscellaneous

Described 1935: Central Asia; Pamir Alay. Red, tinged carmine on reverse of outer tepals, base blotch black or yellow or black margined with yellow, anthers yellow or violet. ( $2n = 24$ )

Height 30 cm

**'Carioca'** Greigii Group

Hybrida, 1960. Exterior porcelain rose, edged buttercup yellow; inside bright buttercup yellow, base deep brown, edged vermillion, anthers bronze yellow. Leaves mottled. ( $2n = 24$ )

Height 35 cm

TGA-KAVB 1960, AM-RHS 1966

**'Carla'** Single Early Group

P.J. Nijssen, J.C. Bos, 1981. Exterior phlox pink, flamed spiraea red, outer base mineral violet; inside carmine, base yellowish with blue basal blotches and a broad lilac purple edge, anthers greyish.

Height 50 cm

TGA-KAVB 1981

**'Carla Lupi'** (Double Late Group) see Classified List 1987

**'Carl Becker'** (Darwin Group) see Classified List 1948

**'Carl Gustaf Pilo'** Double Early Group

Sport of '**Sungleam**'

P. van Reisen & Sons, 1956. Amber-yellow.

Height 25 cm

**'Carl Kommer'** (Single Early Group) see Classified List 1960

- 'Carl M. Bellman'** Triumph Group  
 Sport of '**Denbola**'  
 P. Nelis & Son, 1946. Deep amaranth red, edged golden yellow. ( $2n = 24$ )  
 Height 40 cm
- 'Carlton'** Double Early Group  
 C.P. Alkemade Cz., 1950. Deep turkey red. ( $2n = 24$ )  
 Height 40 cm
- 'Carma Norton'** (Parrot Group) sport of '**All Bright**', see Classified List 1987
- 'Carmen'** PBR Triumph Group  
 Hybris, Geto, 1989. Exterior tyrian purple (CC 61b), rose bengal (CC 57c) edged. Base chrome yellow (CC 158d). Inside rose bengal (CC 57b/c). Centre of the base sap green (CC 150d) surrounded by ivory white (CC 155d). Filaments sap green (CC 150d) with some thin plum purple (CC 79c) stripes. Pollen primrose yellow (CC 3c).  
 Height 40 cm
- 'Carmencita'** PBR Double Early Group  
 C.P. Alkemade, W.A.M. Pennings, 1996. Exterior tomato red (CC 44b) with blood red (CC 45c/d) flame on the outer tepals. Inside tomato red (CC 44a/b). Base canary yellow (CC 9a). Filaments dark yellow at the base, top yellow with black glow. Pollen dark purple to black.  
 Height 20 cm
- 'Carmencita'** (Dutch Breeder) see Classified List 1952
- 'Carmine Charm'** Triumph Group  
 H.G. Huyg, 1963. Exterior cherry red; inside glowing cherry red, base blue and green, anthers blue.  
 Height 60 cm
- 'Carmine Parrot'** Parrot Group  
 Sport of '**Carmine Charm**'  
 G.A. Preyde, 1988. Exterior: cherry red (CC 53d) fading to tyrian purple (CC 57a) near the margins. Square yellow green (CC 145c) base. Interior: crimson (CC 52a), star shaped base deep grey blue (CC 116a/b) on chartreuse green (CC 1b) ground. Filaments primrose yellow (CC 4d), anthers plum purple (CC 79a) with naples yellow (CC 11a).  
 Height 55 cm
- 'Carnation'** (Cottage Group) see Classified List 1958

- 'Carnaval de Nice'** Double Late Group  
Sport of 'Nizza'  
Tubergen, 1953. White, red striped. ( $2n = 24$ )  
Height 50 cm
- 'Carneol'** (Greigii Group) see Classified List 1987
- 'Carnette'** (Single Late Group) see Classified List 1987
- 'Carola'** Triumph Group  
Vertuccio, 1986. Exterior flamed rhodonite red with grey veins on rose bengal ground; inside rose red, base chartreuse green, anthers buttercup yellow.  
Height 45 cm
- 'Carole'** (Kaufmanniana Group) see Classified List 1958
- 'Carolina'** (Triumph Group) see Classified List 1987
- 'Caroline Testout'** (Darwin Group) see Classified List 1958
- 'Caro Mio'** (Double Late Group) see Classified List 1958
- 'Carolus Duran'** (Bijbloemen Group) see Classified List 1958
- 'Caroubier'** (Double Early Group) sport of '**Oranje Nassau**', see Classified List 1958
- 'Carrara'** Triumph Group  
Krelage & Son. White, anthers yellow. ( $2n = 24$ )  
Height 55 cm  
AM-KAVB 1912, AM-RHS 1921, FCC-RHS 1922
- 'Carrousel'** Fringed Group  
Sport of '**Burgundy Lace**'  
Th. A. Berbee L'Avenir, 1995. Exterior: basal third of tepal primrose yellow (CC4d), midvein sulphur yellow (CC 6d), near the top darker (CC 6c) and paler near the margins; sometimes a tepal with a reddish glow and some chrysanthemum red (CC 60a) at the margin. When mature: the three inner tepals with a chrysanthemum red (CC 60b and c) feather on ivory white (CC 155a) ground. Inside: base bronze yellow (CC 153c); tepals with dresden yellow (CC 5b) glow on a paler ground, top half of tepal with dresden yellow (CC 5a) margins with some currant red (CC 46a); midvein ivory white (CC 155a) with some currant red (CC 46a). When mature: chrysanthemum red (CC 60b and c) on an ivory white (CC 155a) ground; inner three tepals paler. Filaments paler than barium

yellow (CC 10c), pollen canary yellow (CC 7a). Ovary scheele's green (CC 144c), stigma canary yellow (CC 9d). Stem scheele's green (CC 144b), leaves fern green (CC 146a).

Height 65 cm

**'Cartamo'** (Double Early Group) sport of '**Murillo**', see Classified List 1958

**'Carthago'** (Mendel Group) sport of '**Delice**', see Classified List 1958

**'Caruso'**

Triumph Group

Zocher & Co., before 1927. Deep purple. Historical collections only.

**'Casablanca'**

Double Late Group

J.F. van den Berg & Sons, 1981. Exterior flamed barium yellow on ivory white ground; inside cream white, base buttercup yellow with lemon yellow basal blotches.

Height 55 cm

**'Casa Grande'**

Greigii Group

D.W. Lefeber, Ammerlaan, 1996. Exterior: inner tepals about capsicum red (CC 33a); outer tepals about capsicum red (CC 33a) with from base to top a pale currant red (CC 46a) flame. Base on the inner tepals sulphur yellow (CC 6a) with three oxblood red (CC 183a) blotches, on the outer tepals irregular primrose yellow (CC 3d) blotches. Inside about capsicum red (CC 33a), near the base slightly darker. Base darker than dark brown (CC 166a), near the edges sulphur yellow (CC 6a). Filaments darker than dark brown (CC 166a); pollen aureolin (CC 12a). Ovary chartreuse green (CC 154d), stigma canary yellow (CC 7a). Stem scheele's green (CC 144b), leaves fern green (CC 146b) with anthocyanin stripes, paler picotee, undulated margins.

Height 50 cm

TGA-1994

**'Casamare'** (Darwin Group) see Classified List 1958

**'Casa Nova'**

Triumph Group

J.F. van den Berg & Sons, E. Nieuwenhuis, 1979. Exterior delft rose, edged canary yellow; inside flamed blood red on dresden yellow ground, base greenish yellow, anthers plum purple.

Height 50 cm

**'Cashmir'**

Single Late Group

Sport of '**Halero**'

Segers, 1969. Exterior light currant red; inside light blood red, yellow base with a narrow green edge, anthers yellow.

Height 70 cm

**'Casino'** Double Early Group

Sport of '**Cassini**'

Th. Timmerman, 1978. Exterior glowing blood red with blood red and green yellow flames, outer base buttercup yellow; inside bright blood red, base lemon yellow.

Height 45 cm

**'Cassandra'** (Cottage Group) see Classified List 1958

**'Cassini'** Triumph Group

Segers, 1944. Brownish red. ( $2n = 24$ )

Height 45 cm

Sports: '**Casino**', '**Orange Cassini**'

**'Castagnette'** Greigii Group

Hybrida, 1955. Exterior tinged carmine; inside lobster red, base greenish yellow. Leaves mottled. ( $2n = 24$ )

Height 30 cm

**'Castor'** Triumph Group

Zocher & Co., before 1923. Carmine purple. Historical collections only.

**'Catalina'** Triumph Group

Van Zanten Bros., 1990. Exterior tyrian purple (CC 57a) with rather broad barium yellow (CC 10d) margin. Base ivory white (CC 155d) to primrose yellow (CC 4d). Inside broad spotty sulphur yellow (CC 6d) margins; large rose bengal (CC 57d) flame, on the inner tepals changing into phlox pink (CC 62c) margins. Base sulphur yellow (CC 6c). Filaments ivory white (CC 155d). Pollen deep grey blue (CC 116b). Ovary yellow green (CC 145a), stigma sap green (CC 150d).

Height 55 cm

**'Cathedral'** (Breeder Group) see Classified List 1958

**'Catherina'** Single Late Group

IVT, Braakman, 1981. Exterior flamed cream white with broad ivory white edge; inside ivory white, base buttercup yellow on brown yellow ground, anthers barium yellow.

Height 60 cm

**'Catherine Keyl'** Triumph Group

Van den Berg-Yokohama, C.G. van den Berg & Sons, 1993. Exterior sulphur yellow (CC 6d). Inner tepals with a sulphur yellow (CC 6c) base and margin. Inside canary yellow (CC 7a) changing into canary yellow (CC 7c) near the top. Base lemon yellow (CC 7a). Filaments buttercup yellow (CC 15a), pollen ca-

nary yellow (CC 9c). Ovary scheele's green (CC 144), stigma sap green (CC 150b). Stem lettuce to scheele's green (CC 144a-b), leaves fern green (CC 146a).

Height 40 cm

**'Cato Groenendijk'** (Lily-flowered Group) see Classified List 1958

**'Cattleya'**

Triumph Group

Krelage & Son, before 1929. Amaranth violet. Historical collections only.

**caucasica Lipsky**

Miscellaneous

*lipsky* Grossh.

Described 1902: Ciscaucasus. Pale rosy violet.

**'Cavalier'** (Darwin Group) see Classified List 1958

**'Cécile Dreesmann'**

Greigii Group

John van Grieken, 1969. Exterior scarlet, broad chartreuse green edge, outer base buttercup yellow; inside sulphur yellow, star shaped greenish black base, tepals with vermillion stripe, anthers yellow. Leaves mottled.

Height 35 cm

**'Cees Plug'** PBR

Triumph Group

Vertuco, Worldson Bulbs, 1989. Exterior aureolin (CC 12b), outer tepals slightly duller than inner tepals. Inside canary yellow (CC 7a/b). Anthers mimosa yellow (CC 8a) with moorish blue (CC 93a) top.

Height 55 cm

**'Celebes'** (Triumph Group) see Classified List 1958

**'Celebrity'** (Darwin Group) see Classified List 1958

**'Celestine'** (Lily-flowered Group) see Classified List 1958

**'Cellini'**

Single Early Group

Krelage & Son. Geranium lake, base creamy white and blue. ( $2n = 24$ )

Height 40 cm

FA-KAVB 1940

Sport: **'Premier'**

**'Cello'** (Triumph Group) see Classified List 1965

**celsiana DC.**

Miscellaneous

*persica* hort., *australis* Link var. *arvorum* Stapf, *australis* subsp. *celsiana* (DC.)

Hayek, *breyaniana* Ker Gawl., *persica* hort.

Described 1803: Morocco, Atlas Mts., Iberian-peninsula, France, S. Spain. Clear yellow, reverse of outer tepals bronze. By some authors treated as synonym of *sylvestris* subsp. *australis* (Link) Pamp. in this publication still treated as *australis*. ( $2n = 24$ )

Height 10 cm  
AM-RHS 1970

**'Centenaire'**

Single Late Group

Krelage & Son, before 1909. Pale magenta, blue base. Historical collections only.

**'Centenarian'**

Triumph Group

Van den Berg-Hytuna, 1994. Exterior: base primrose yellow (CC 3d); from base and midvein cardinal red (CC 53c) fading into tomato red (CC 44a) at the margin. Inside tomato red (CC 44a) becoming paler (CC 44b) at the top; base canary yellow (CC 9a) willow green (CC 147a) striped. Filaments canary yellow (CC 9a), near anthers black brown (CC 200a); pollen black brown (CC 00a). Stem fern green (CC 146b), leaves slightly darker (CC 146a).

Height 40 cm

**'Centerfold'**

Triumph Group

A. de Ridder, J.S. Pennings, 1992. Exterior ivory white (CC 155a). Outer tepals vaguely primrose yellow (CC 4d) flamed with on the basal half a feathered sea blue (CC 102d) glow. Inside ivory white (CC 155b) with mimosa yellow (CC 8d) base. Filaments mimosa yellow (CC 8d), pollen canary yellow (CC 9c). Ovary scheele's green (CC 144c), stigma sap green (CC 150c).

Height 40 cm

**'Central Park'** see 'Striped Oxford'**'Centurion'**

Triumph Group

Van Zanten Bros., 1988. Exterior cardinal red flame (CC 53b), scarlet (CC 43b) feathered, margins primrose yellow (CC 45 b/c). Inner tepals blood red (CC 45c) with primrose yellow margins. Square primrose yellow (CC 4d) base. Inside blood red (CC 45c), margins primrose yellow ((CC 4c) feathered. Base hexagonal, primrose yellow (CC 4c). Filaments primrose yellow (CC 4c); anthers dull deep sea blue (CC 103b).

Height 50 cm

**'Cerberus'** (Darwin Group) see Classified List 1958**'Ceres'** (Triumph Group) see Classified List 1965**'Cerise Beauty'** (Triumph Group) see Classified List 1958**'Cerise Giant'** (Triumph Group) see Classified List 1958

- 'Cerise Gris-de-Lin'** Double Early Group  
 Voorhelm & Schneivoogt, 1860. Purple, edged white. Historical collections only.
- 'Cerula'** (Double Early Group) see Classified List 1958
- 'Cervantes'** (Triumph Group) see Classified List 1965
- 'César Franck'** Kaufmanniana Group  
 Rijnveld & Sons, 1940. Exterior carmine red, edged yellow; inside golden yellow.  
 Height 20 cm
- 'Cessna'** (Triumph Group) see Classified List 1987
- 'Ceylon'** (Darwin Group) see Classified List 1958
- 'Cézanne'** Darwinhybrid Group  
 Konijnenburg & Mark, 1963. Orange red, edged orange.  
 Height 55 cm
- 'Chablis'** Single Late Group  
 F. Roozen, 1990. Exterior empire yellow (CC 11d), edged chrome yellow (CC 15c), with large spotty neyron rose (CC 55b/c) flame. Inside rhodonite red (CC 51c) on light phlox rose (CC 56d) ground. Inner tepals chrome yellow (CC 15c/d) flamed. Midvein of inner tepals ivory white (CC 155a). Base pot herb green (CC 135c) spotted. on dresden yellow (CC 5c/b) ground. Filaments cornflower blue (CC 99a). Pollen black brown (CC 200a). Ovary scheele's green (CC 144c/d), stigma sap green (CC 150b/c).  
 Height 65 cm
- 'Chaine des Rotisseurs'** Single Late Group  
 Rijnveld & Sons, Fr. Roozen, 1972. Exterior cardinal red; inside blood red, base blue with a greenish tint, anthers purple black.  
 Height 65 cm
- 'Chalice'** (Greigii Group) see Classified List 1958
- 'Challenger'** (Triumph Group) see Classified List 1958
- 'Chambéry'** (Darwin Group) see Classified List 1958
- 'Chameleon' 'Lebec'** (Bizarre Group) see Classified List 1958  
 Sport: ('Vauxhall')
- 'Chamonix'** (Darwin Group) sport of '**Aristocrat**', see Classified List 1965

- 'Champagne'** Viridiflora Group  
Konijnenburg & Mark, 1971. Exterior delft red, flamed green along midrib;  
inside jasper red, flamed green on yellow, anthers green yellow.  
Height 60 cm
- 'Champion'** (Darwin Group) sport of '**Bartigon**', see Classified List 1958
- 'Champlain'** (Darwin Group) see Classified List 1958
- 'Changeant'** (Triumph Group) see Classified List 1958
- 'Chanson d'Amour'** Greigii Group  
P. Hopman & Sons, 1959. Stone red, base yellow and black. Leaves mottled.  
Height 30 cm  
TGA-KAVB 1959
- 'Chantal'** Single Late Group  
Sport of '**Queen of Bartigons**'  
J.J. Duif, 1981. Exterior nevron rose with broad claret rose edge, outer base  
greyish white; inside turkey red, base white with small purple edge, anthers  
barium yellow.  
Height 55 cm
- 'Chantal'** (Darwin Group) sport of '**Philip Snowden**', see Classified List 1965
- 'Chanteclair'** Triumph Group  
Krelage & Son, before 1928. Crimson red. Historical collections only.
- 'Chanteuse'** (Darwin Group) see Classified List 1958
- 'Chantilly'** (Fosteriana Group) see Classified List 1958
- 'Chapel Gardens'** Fosteriana Group  
Lefeber Bros., 1958. Pepper red, base brownish black; exterior vermillion red.  
Historical collections only.
- 'Chappaqua'** Single Late Group  
Rijnveld & Sons, 1940. Dark violet rose, base white, edged blue. ( $2n = 24$ )  
Height 75 cm  
AM-KAVB 1946; FCC-KAVB 1949  
Sports: '**Janette Heath**', '**Show Girl**'
- 'Charity'** (Darwin Group) see Classified List 1958
- 'Charivarius'** (Darwin Group) see Classified List 1958

- 'Charles'** Triumph Group  
 C.P. Alkemade Cz., 1954. Scarlet, yellow base. ( $2n = 24$ )  
 Height 40 cm  
 Sport: '**Charles Peony**'
- 'Charles de l'Ecluse'** (Greigii Group) see Classified List 1965
- 'Charles Dickens'** (Cottage Group) see Classified List 1965
- 'Charles Gounod'** (Single Early Group) sport of '**Solita**', see Classified List 1958
- 'Charles Needham'** Single Late Group  
 Tubergen. Scarlet. ( $2n = 24$ )  
 Height 60 cm  
 AM-KAVB 1931, FCC-KAVB 1932
- 'Charles Peony'** PBR Double Late Group  
 Sport of '**Charles**'  
 De Geus-Vriend, Holland Bolroy Markt, 1995. Exterior tomato red (CC 44a), base lemon yellow (CC 14b); outer tepals blood red (CC 45b) with tomato red (CC 44a) margins. Inside tomato red (CC 44a), base lemon yellow (CC 14a). Filaments lemon yellow (CC 14a), pollen dull grey brown (CC 177a), grey green (CC 148a) and dresden yellow (CC 5a). Ovary misformed, chartreuse green (CC 154d), stigma sulphur yellow (CC 6c). Stem scheele's green (CC 144c), leaves fern green (CC 146a). Double flower.  
 Height 30 cm
- 'Charleston'** (Greigii Group) see Classified List 1965
- 'Charles X'** Single Late Group  
 Strong, before 1939. (English Breeder: Bizarre) Historical collections only.
- 'Charles X'** Rembrandt Group  
 'Royal Sovereign'  
 Strong, before 1939. Broken '**Charles X**'. Crimson mahogany on golden yellow ground. (Broken English Breeder: Bizarre) Historical collections only.
- 'Charley Kunz'** (Fosterianana Group) see Classified List 1958
- 'Charlotte'** (Double Early Group) see Classified List 1958
- 'Charlotte'** Single Late Group  
 Sport of '**Wim van Est**'  
 J. Groot-Vriend, 1985. Exterior flamed tyrian purple, glowing rose red, edged white with subtle rose veins; inside flamed rhodonite red, to the edges feathered azalea pink to neyron rose, base yellowish white, anthers grey.  
 Height 60 cm

**'Charm'** (Cottage Group) sport of '**Advance**', see Classified List 1965

**'Charmaine'** (Triumph Group) see Classified List 1958

**'Charmeuse'** PBR Triumph Group

Sport of '**Princess Victoria**'

J.A. Borst & Sons, 1992. Exterior turkey red (CC 46c), near the top ivory white edge, base ivory white (CC 155b). Inside turkey red (CC 46c), top half of tepal ivory white edged, base ivory white (CC 155a/b). Filaments ivory white, pollen dull black. Ovary grass green (CC 141c), stigma sap green (CC 150d). Stem with anthocyanin near top. Leaves green, variegated with pale yellow edge, curled.

Height 45 cm

TGA-KAVB 1990

**'Charmeuse'** Greigii Group

Hybrida, 1965. Exterior scarlet red, edged buttercup yellow; inside lemon yellow, flamed vermillion red, base deep brown and lemon yellow, anthers yellow. Leaves mottled.

Height 40 cm

TGA-KAVB 1965

**'Charmful'** (Triumph Group) see Classified List 1958

**'Charming'** (Parrot Group) sport of '**Triton**', see Classified List 1958

**'Charming Lady'** Double Late Group

Sport of '**Angélique**'

F. Dekker, 1994. Exterior primrose yellow (CC 4d), near top and margin of tepals canary yellow (CC 9c); central part of tepals normally with rhodonite red (CC 51d) glow, occasionally one tepal with canary yellow (CC 9c) glow. Inside from canary yellow (CC 9b) base changing into primrose yellow (CC 4c) to canary yellow (CC 7c) at the top. At margins and top rhodonite red (CC 51a/b) glow. Midvein ivory white (CC 155a). Filaments ivory white (CC 155a), pollen mimosa yellow (CC 8a). Ovary yellow green (CC 145a), stigma chartreuse green (CC 154d). Stem scheele's green (CC 144b), leaves fern green (CC 146a). Height 45 cm

**'Charming Prince'** (Cottage Group) see Classified List 1958

**'Charming Red'** (Mendel Group) see Classified List 1958

**'Charming Silvia'** see '**Grand Prestige**'

**'Chartres'**

Fosteriana Group

Tubergen, 1961. Exterior vermillion, edged darker; inside glowing vermillion, base deep blood red, edged yellow, anthers black. Leaves beautifully blotched.  
( $2n = 24$ )

Height 40 cm

HC-RHS 1966

**'Charwenka'**

Triumph Group

Konijnenburg & Mark, 1952. Glowing salmon red. Historical collections only.

**'Chatelaine'** (Lily-flowered Group) see Classified List 1987**'Chatham'**

Single Late Group

P. Visser Cz., 1967. China rose, lighter to the edge, base white, feathered blue, anthers black.

Height 60 cm

**'Cheerfulness'** (Double Late Group) see Classified List 1958*'Cheerio'* see **'John Gay'****'Cheerleader'**

Triumph Group

Sport of **'Jingle Bell'**

Bik, A. Dekker-Groot, 1987. Exterior: scarlet (CC 43b), on the outer tepals chrysanthemum crimson (CC 60d) flame, base bluish, spotted yellow. Inside: bright tomato red (CC 44a), star shaped lemon yellow with bronze yellow base; anthers purple. Leaves variegated: green with yellowish margin.

Height 40 cm

TGA-KAVB 1987

**'Cheers'**

Triumph Group

Ropta, Buis & Son, 1990. Exterior narrow sulphur yellow (CC 6d) flame, on the midvein primrose yellow (CC 4c), towards the edge paler (CC 4d); near the top ivory white (CC 155b) with a little currant red (CC 47a). Base barium yellow (CC 10c). Inside sulphur yellow (CC 6c) glow on ivory white (CC 155 b) ground. Top and midvein ivory white (CC 155b). Base aureolin (CC 12a). Filaments ivory white (CC 155b) changing into sulphur yellow (CC 6c). Pollen canary yellow (CC 7a). Ovary chartreuse green (CC 154c), stigma barium yellow (CC 10d). Stem scheele's green (CC 144b), leaves darker than fern green (CC 146a).

Height 40 cm

**'Cheirosa'**

Triumph Group

L.J.C. Schoorl, 1987. Exterior: bright turkey red (CC 46c) with light indian lake flame on outer tepals, base greenish white with purple. Inside: blood red (CC 45b), broad aureolin base (CC 12a); bluish grey anthers. Fragrant.

Height 35 cm

‘Cher Ami’ (Lily-flowered Group) see Classified List 1958

‘Cherbourg’ Single Late Group

Raiser unknown. Golden yellow, tinged bronze. Fragrant. ( $2n = 24$ )

Height 70 cm

AM-KAVB 1915, FCC-KAVB 1920

‘Cherbourg’ (Bizarre Group) broken ‘Cherbourg’, see Classified List 1958

‘Chérésade’ Greigii Group

Walter Blom & Sons, 1943. Deep scarlet with a black base. Leaves mottled. ( $2n = 24$ )

Height 40 cm

AM-KAVB 1959, FCC-KAVB 1960

‘Chérie’ Viridiflora Group

D.W. Lefeber & Co., 1956. Deep yellow and green. ( $2n = 24$ )

Height 45 cm

‘Cherry Flip’ Fosteriana Group

Hybrida, 1952. Exterior carmine, edged white; inside creamy white.

Height 35 cm

‘Cherry Orchard’ Kaufmanniana Group

Konijnenburg & Mark, 1977. Exterior: inner tepals glowing scarlet, outer tepals flamed scarlet on carmine rose ground; inside dutch vermillion, base lemon yellow with brown red blotches, anthers lemon yellow. Leaves mottled.

Height 30 cm

‘Cherry Valley’ (Triumph Group) see Classified List 1958

‘Cherubina’ Greigii Group

Hybrida, 1960. Oriental red, base blotched deep brown on yellow ground.

Leaves mottled. ( $2n = 24$ )

Height 35 cm

TGA-KAVB 1974

‘Chester Jay Hunt’ ‘Robinson’ (Dutch Breeder Group) see Classified List 1939

‘Chevalier’ (Cottage Group) see Classified List 1958

‘Cheyenne’ (Breeder Group) see Classified List 1958

**'Chieftain'**

Triumph Group

Van Zanten Bros., 1990. Exterior cardinal red (CC 53b), edged ivory white (CC 155a) to primrose yellow (CC 4d). Base ivory white (CC 155a). Inside blood red (CC 45a) fading towards the margin via fire red (CC 33b) to primrose yellow (CC 4b). Base sulphur yellow (CC 6b). Filaments primrose yellow (CC 4c), pollen deep sea blue (CC 103c). Ovary yellow green (CC 145a/b), stigma sap green (CC 150d).

Height 40 cm

**'Chieftain'** (Cottage Group) see Classified List 1958

**'Chigaco'** (Triumph Group) see Classified List 1952

**'Chimeira'** (Greigii Group) see Classified List 1958

**'China Lady'**

Greigii Group

Hybrida, 1953. Exterior carmine rose, edged white; inside ivory white, base greenish bronze with red blotches. Leaves mottled.

Height 30 cm

TGA-KAVB 1974, AGM-RHS 1993

*China Pearl* see '**Pearl of China**'

**'China Pink'**

Lily-flowered Group

De Mol & A.H. Nieuwenhuis, 1944. Pink, white base. ( $2n = 24$ )

Height 45 cm

AGM-RHS 1995

Sports: '**Pearl of China**', '**Stien Kaiser**'

**'China Town'**

Viridiflora Group

Sport of '**Golden Artist**'

A.W. Captein & Son, 1988. Exterior moss green (CC 138a); outer tepals edged phlox pink (CC 62d) with darker (CC 62 a/b) spots; inner tepals phlox pink edged carmine rose (CC 50d). Inside rhodonite rose (CC 50d) spotted on phlox pink ground with moss green (CC 138 a/b) flame. Margin near base canary yellow (CC 9c). Filaments canary yellow; anthers naples yellow (CC 11a) with narrow longitudinal moss green line. Stigma greyish red (CC 182d). Leaves variegated with whitish margin.

Height 30 cm

TGA-KAVB 1988; AM-KAVB 1989, AGM-RHS 1995

**'Chinango'** (Double Late Group) see Classified List 1958

**'Chinese Bandit'** '*Orange Butterfly*' (Breeder Group) see Classified List 1958

**'Chinese Gold'** (Double Late Group) see Classified List 1965

**'Chinese Ivory'** (Cottage Group) see Classified List 1958

**'Choco'** (Breeder Group) see Classified List 1958

**'Chopin'** Kaufmanniana Group

Tubergen, 1942. Lemon yellow, base black. Leaves mottled.

Height 25 cm

**'Christiane van der Werff'** Triumph Group

G.N. van Steijn, G.A. van Steijn, 1992. Exterior cherry (CC 53d) fading into spinel red (CC 54a and CC 54d). Base dark spectrum violet (CC 83a). Inside from an ivory white (CC 155a) base with deep sea blue (CC 103b) rim changing to slightly darker (CC 103a) via rhodonite red (CC 51a) to slightly paler at the top (CC 51b). Margin neyron rose (CC 55d). Filaments ivory white (CC 155a) changing to deep sea blue (CC 103a), near the anther ivory white (CC 155a). Anthers black (CC 202a), pollen canary yellow (CC 9c). Ovary yellow green (CC 145b), stigma chartreuse green (CC 154d). Stem lettuce green (CC 144a) with anthocyanin; leaves fern green (CC 146a).

Height 40 cm

*Christina Deutekom* see '**Cristina Deutekom**'

**'Christina van Kooten'** Lily-flowered Group

Sport of '**Mariette**'

C.N. van Kooten, 1974. Exterior carmine rose with a mimosa yellow flame having small carmine rose stripes; inside carmine with a mimosa yellow base.

Height 60 cm

**'Christmas Bartigon'** (Darwin Group) sport of '**Bartigon**', see Classified List 1958

**'Christmas Beauty'** Single Early Group

Sport of '**Christmas Marvel**'

J.J. Sjerps, 1981. Exterior flamed spinel red on magenta rose ground, outer base yellowish white; inside feathered spiraea red on purple rose ground, base barium yellow on white ground, anthers pale buttercup yellow.

Height 35 cm

**'Christmas Bell'** (Single Early Group) see Classified List 1958

**'Christmas Carol'** Single Early Group

Sport of '**Christmas Marvel**'

A.W. Meyles, 1975. Exterior cardinal red, edged carmine pink, inner tepals glowing carmine, small greenish white outer base; inside glowing carmine, base yellowish white, anthers light purple.

Height 35 cm

**'Christmas Carol'** (Single Early Group) see Classified List 1958

**'Christmas Dream'** Single Early Group

Sport of **'Christmas Marvel'**

L.J.C. Schoorl, 1973. Exterior fuchsin red; inside light carmine rose, large white base with indefinite yellow basal blotches, anthers greenish yellow.

Height 35 cm

TGA-KAVB 1975, EFA-KAVB 1978, FCEFA-KAVB 1979, QC(cd)- KAVB 1984

**'Christmas Favourite'** (Single Early Group) see Classified List 1958

**'Christmas Fire'** Single Early Group

L. Schoorl, 1965. Exterior currant red, bottom greenish yellow; inside blood red, base yellow.

Height 40 cm

**'Christmas Gold'** Single Early Group

Raiser unkown, P. Nijssen & Sons, 1948. Deep canary yellow, pointed flower.

( $2n = 24$ )

Height 45 cm

EFA-KAVB 1948, FA-KAVB 1949, FCFA-KAVB 1951

**'Christmas Joy'** (Darwin Group) see Classified List 1958

**'Christmas Marvel'** Single Early Group

L. Schoorl, 1954. Cherry pink. ( $2n = 24$ )

Height 35 cm

EFA-KAVB 1954

Sports: **'Christmas Beauty'**, **'Christmas Carrol'**, **'Christmas Dream'**, **'Kalahari'**, **'Merry Christmas'**, **'Queen of Marvel'**, **'Secret Love'**

**'Christmas Red'** Single Late Group

TAES, 1972. Exterior tyrian purple; inside turkey red, base white, tinged french blue, anthers black. ( $2n = 24$ )

Height 45 cm

**'Christmas Surprise'** Triumph Group

Krelage & Son, before 1926. Crimson pink. Historical collections only.

**'Christmas Yellow'** Triumph Group

L.J.C. Schoorl, 1987. Exterior: aureolin (CC 12c) flamed on aureolin (CC 12a) ground. Inside: lemon yellow (CC 14b), base spotted tangerine orange; anthers light yellow.

Height 45 cm

**'Chromata'** (Double Early Group) sport of '**Murillo**', see Classified List 1958

**'Chromatella'** see '**Golden Horn**'

*chrysanthia* Boiss. see **montana** Lindl.

*chrysanthia* Boiss. ex Baker see **clusiana** DC. var. **chrysanthia** (A.D. Hall) Sealy

*chrysanthia* hort. see **clusiana** DC. var. **chrysanthia** (A.D. Hall) Sealy

**'Chrysolora'** Single Early Group

Voorhelm & Schneervoogt, 1875. Yellow. Historical collections only.

**'Ciampino'** (Triumph Group) see Classified List 1958

*ciliatula* Baker see **armena** Boiss.

**'Cimarosa'** Kaufmanniana Group

Tubergen, 1954. Exterior purple rose, edged yellow; inside orange on yellow ground, base bronzy green. ( $2n = 24$ )

Height 25 cm

**'Cinderella'** Greigii Group

Hybrida, W. Kooiman, 1970. Exterior capsicum red with turkey red, outer base yellow, blotched black; inside capsicum red, base brown black, to the edges striped yellow, anthers bluish brown. Leaves mottled.

Height 35 cm

*'Cindy'* see **mauritiana** '**Cindy**'

**'Ciro'** (Fosteriana Group) see Classified List 1958

**'Cistula'** Lily-flowered Group

Segers, 1962. Dresden yellow, deeper yellow to the edge, anthers yellow. ( $2n = 24$ )

Height 55 cm

**'Cita'** (Fosteriana Group) see Classified List 1958

**'Citernel'** (Single Early Group) see Classified List 1958

**'City Hall'** (Darwinhybrid Group) sport of '**Dover**', see Classified List 1987

**'City Lights'** (Darwin Group) see Classified List 1958

**'City of Alkmaar'** (Single Late Group) see Classified List 1987

**'City of Birmingham'** (Darwin Group) see Classified List 1965

**'City of Haarlem'** Single Late Group

Krelage & Son, before 1908. Vermilion scarlet, base dark blue with white edge.  
Historical collections only.

**'City of Leyden'** (Darwin Group) see Classified List 1958

**'City of Liverpool'** (Triumph Group) see Classified List 1958

**'City of Vancouver'** Single Late Group

IVT, Van der Wereld, 1986. Exterior flamed aureolin on primrose yellow ground;  
inside primrose yellow with bluish white vein, base yellow brown, anthers  
buttercup yellow.

Height 70 cm

**'Claermond Goud'** (Single Early Group) about 1760, see Classified List 1958

**'Claermond Rose'** (Single Early Group) see Classified List 1939

**'Claermond Silver'** Single Early Group

Raiser unknown, 1760. Cerise. Historical collections only.

**'Claermond White'** (Single Early Group) see Classified List 1939

**'Clair de Lune'** (Triumph Group) see Classified List 1965

**'Clara'** (Rembrandt Group) broken **'Clara Butt'**, see Classified List 1958

**'Clara Butt'** Single Late Group

Krelage & Son, 1889. Salmon pink. ( $2n = 24$ )

Height 55 cm

AM-RHS 1904, FCC-RHS 1905

Sports: 'Fantasy', ('Curiosity')

**'Clara Carder'** Double Late Group

Segers, 1943. Tyrian purple, white base. ( $2n = 24$ )

Height 50 cm

TGA-KAVB 1947, AM-KAVB 1950

*'Clare Benedict'* see eichleri **'Clare Benedict'**

**'Clare F. Wood'** (Darwin Group) see Classified List 1958

**'Clarence J. Sanger'** (Cottage Group) see Classified List 1965

**'Clarice'**

Lily-flowered Group

Segers, 1962. Exterior canary yellow; inside mimosa yellow, base yellow, blotched pale brown, anthers yellow. ( $2n = 24$ )

Height 60 cm

AM-KAVB 1962

**'Clarion'**

Double Late Group

Sport of 'Saint Tropez'

Huiberts-Veul, 1984. Exterior rose red with spiraea red tinted flame on outer tepals, outer base yellowish white; inside rose red, base aureolin with white dots at the edge, anthers purple.

Height 50 cm

**'Claritine'**

Triumph Group

Konijnenburg & Mark, 1995. Exterior roseine purple (CC 68b/c) with a flame, on the basal half of the tepal mimosa yellow (CC 8d), towards the top paler (CC 8c). Inside: base aureolin (CC 12a) bordered ivory white (CC 155a). Tepal rose bengal (CC 57c/d). Filaments lemon yellow (CC 13a), pollen aureolin (CC 12b). Ovary yellow green (CC 145b), stigma primrose yellow (CC 2c). Stem scheele's green (CC 144b), leaves spinach green (CC 137a).

Height 40 cm

**'Clarkson'** (Greigii Group) see Classified List 1965**'Classic'** (Triumph Group) see Classified List 1987**'Claudette'**

Single Late Group

Hybrida, 1952. White, edged red. Multiflowered. ( $2n = 24$ )

Height 60 cm

**'Clematis'** (Darwin Group) see Classified List 1965**'Clemenceau'** (Darwin Group) see Classified List 1965**'Clement'** (Double Early Group) sport of 'Oranje Nassau', see Classified List 1958**'Clement Attlee'** (Mendel Group) see Classified List 1958**'Clementine'** (Cottage Group) see Classified List 1965**'Cleopatra'**

Single Late Group

Colijn & Sons, 1960. Purple, base white.

Height 55 cm

**'Climax'**

Triumph Group

J.F. van den Berg & Sons, Uittenbogaard & Sons, 1982. Exterior blood red, edged buttercup yellow; inside: a blood red to tomato red feathered flame passing into aureolin edge, base yellow.

Height 50 cm

**'Climax' (Triumph Group)** De Mol & A.H. Nieuwenhuis, 1943; see Classified List 1958

*'Clio'* see **'Bronze Queen'**

**'Clipper City'**

Single Late Group

Rijnveld & Sons, 1962. Exterior pepper red; inside glowing signal red, base bronzy yellow, anthers deep blue.

Height 65 cm

FCC-RHS 1977

**'Cloches Merles'** (Darwin Group) see Classified List 1958**'Clothilde'** (Single Early Group) see Classified List 1958**clusiana DC.**

Miscellaneous

*praecox* Cav.

Described 1803: Kashmir, Chitral, N. Afghanistan, N. Iran, Iraq, subspontane in the Mediterranean region. White, carmine red on reverse of outer tepals, base violet. Some authors regard *atchisonii* A.D. Hall as a form of **clusiana**. Several forma's are described. ( $2n = 24, 36, 48, 60$ )

Height 25 cm

**clusiana DC. var. *chrysanthia* (A.D. Hall) Sealy**

Miscellaneous

*chrysanthia* hort., *chrysanthia* Boiss. ex Baker

Described 1948: N. Afghanistan, Chitral. Deep yellow, reverse of outer tepals crimson with or without a yellow edge. ( $2n = 24, 48, 60$ )

Height 20 cm

BC-RHS 1928, AM-KAVB 1932, AM-RHS 1970, AGM-RHS 1993

**clusiana DC. var. *chrysanthia* (A.D. Hall) Sealy 'Tubergen's Gem'**

Miscellaneous

Tubergen, 1969. Exterior outer tepals rhodonite red, inner tepals sulphur yellow; inside canary yellow, anthers yellow.

Height 25 cm

TGA-KAVB 1971

**clusiana DC. 'Cynthia'**

Miscellaneous

Tubergen, 1959. Exterior: outer tepals spinel red, edged chartreuse green, inner tepals feathered spinel red; inside chartreuse green, base purplish, anthers soft green. ( $2n = 48$ )

Height 25 cm

TGA-KAVB 1959

**clusiana DC. var. *stellata* (Hook.) Regel**

Miscellaneous

*stellata* Hook.

Originally described 1827: N. Afghanistan, Chitral. Like *clusiana* DC., but without a distinct violet base. ( $2n = 24, 36, 48, 60$ )

Height 25 cm

AM-RHS 1914

**'Clyde Homan'** (Parrot Group) sport of **'Her Grace'**, see Classified List 1965**'Cobaletta'** (Triumph Group) see Classified List 1965**'Co Breman'** (Double Early Group) sport of **'Murillo'**, see Classified List 1958**'Coby's Spirit'**

Triumph Group

Van den Berg-Hytuna, C.G. van den Berg & Sons, 1993. Exterior base darker than aureolin (CC 12a) with on the inner tepals a black brown (CC 200b) blotch. Tepals currant red (CC 46a). Inside base lemon yellow (CC 14b) with on all tepals a black brown (CC 200a) blotch. Tepals currant red (CC 46a). Filaments lemon yellow (CC 14a), tophalf black brown (CC 200a). Anthers black (CC 202a), pollen chartreuse green (CC 1c). Ovary scheele's green (CC 144b), stigma sap green (CC 150c). Stem scheele's green (CC 144b), leaves fern green (CC 146a).

Height 35 cm

**'Cocarde'**

Greigii Group

Hybrida, 1960. Exterior porcelain red, edged pale yellow; inside vermillion red, base deep purple, edged mimosa yellow. Leaves mottled. ( $2n = 24$ )

Height 35 cm

TGA-KAVB 1960

**'Coccinea'** see *kaufmanniana* **'Coccinea'****'Coccinea'** see *kolpakowskiana* **'Coccinea'****'Cocktail'**

Single Late Group

Sport of **'Sigrid Undset'**

A. Verschoor, 1982. Exterior: outer tepals: tyrian purple speckled flame passing into white tip with a broad cardinal red edge, inner tepals bright cardinal red with a small white tip; inside feathered cardinal red on yellowish white ground, base barium yellow, edged orange white, anthers lemon yellow.

Height 70 cm

**'Cocktail'** (Cottage Group) see Classified List 1958

**'Coffee Colour'** see '**Café Brun**'

**'Colconda'** (Triumph Group) sport of '**Telescopium**', see Classified List 1958

**'Colibri'** (Fosteriana Group) see Classified List 1958

**'Collan's Glory'** (Darwin Group) see Classified List 1965

**'Colmo'** (Triumph Group) sport of '**Elmus**', see Classified List 1987

**'Colmo'** (Triumph Group) sport of '**Viotta**', see Classified List 1958

**'Colombo'** (Breeder Group) see Classified List 1958

**'Color Beauty'** see '**Princess Margaret Rose**'

**'Colour Spectacle'** PBR Single Late Group  
Sport of '**Georgette**'

Visser Czn., 1990. Exterior canary yellow (CC 7b), strongly cardinal red (CC 53b) flamed. Base canary yellow (CC 7d). Inside canary yellow (CC 7a) with large currant red (CC 46a) to blood red (CC 46b) flame. Base canary yellow (CC 9a) bordered deep sea blue (CC 103a). Filaments canary yellow (CC 9a), pollen sulphur yellow (CC 6c). Ovary yellow green (CC 145b), stigma primrose yellow (CC 3b). Multiflowered.

Height 50 cm  
TGA-KAVB 1990

**'Colosseum'** (Triumph Group) see Classified List 1965

**'Colour Magic'** (Greigii Group) see Classified List 1965

**'Columbia Beauty'** (Bizarre Group) sport of '**Gala Beauty**', see Classified List 1958

**'Columbine'** Rembrandt Group  
A.D. Hall, before 1929. Broken '**Columbine**'. Heliotrope and white. (Broken English Breeder: Bijbloemen) Historical collections only.

**'Columbine'** Single Late Group  
A.D. Hall, before 1929. Heliotrope. (English Breeder Group). Historical collections only.

**'Columbus'** see '**Gala Beauty**'

**'Coma'** (Double Late Group) see Classified List 1958

**'Come-Back'** Darwinhybrid Group

IVT, H. Roozen Niczn., 1984. Exterior blood red with claret rose flame on outer tepals, outer base green yellow; inside signal red, base black, edged yellow, anthers dark grey. ( $2n = 36$ )

Height 50 cm

TGA-KAVB 1984

**'Comedian'** Greigii Group

Jan van Bentem, 1992. Exterior fire red (CC 33b) with at the midvein tangerine orange (CC 24c) stripes. Base barium yellow (CC 10b/c) with greenish glow. Inside dutch vermillion (CC 40a). Base dark indian lake (CC 187a). Inner tepals dark indian lake (CC 187b) edged. Filaments plum purple (CC 79a/b), pollen lemon yellow (CC 13b). Ovary primrose yellow (CC 4d), stigma lemon yellow (CC 13b). Tepals a little acuminate. Stem scheele's green (CC 13c), leaves spinach green (CC 137c), anthocyanin mottled.

Height 35 cm

**'Comet'** Parrot Group

Sport of '**Karel Doorman**'

C.A. Verdegaal, 1952. Orange red, edged yellow. ( $2n = 24$ )

Height 50 cm

**'Comfortable'** (Rembrandt Group) see Classified List 1958

**'Comic'** Darwinhybrid Group

Sport of '**Oxford**'

A. Overdevest Gz., 1959. Exterior veined geranium lake, edged orange yellow, tinged carmine; inside light vermillion veined, base deep bronze green, edged deep buttercup yellow, anthers green. Fragrant.

Height 55 cm

**'Commandant Den Ouden'** (Double Early Group) see Classified List 1987

**'Commodore'** Triumph Group

Snoek, 1977. Exterior dull carmine, edged rhodonite red, bluish white basal blotches; inside bright blood red, bluish green basal blotches on yellowish white ground, anthers purple.

Height 40 cm

**'Companion'** Single Late Group

Van Zanten Bros., 1962. Exterior carmine, edged lighter; inside carmine, base white, edged blue, anthers yellow. ( $2n = 24$ )

Height 70 cm

AGM-RHS 1995

**'Competitor'** (Triumph Group) see Classified List 1965

**'Compliment'**

Lily-flowered Group

Nieuwenhuis Bros., 1969. Exterior roseine purple, outer base soft yellow; inside lilac purple, large base striped soft yellow.

Height 40 cm

**'Composer'** (Greigii Group) see Classified List 1987

**'Compostella'**

Greigii Group

Hybrida, 1955. Exterior: near the midvein orient red (CC 42b) with two darker stripes on both sides; towards the margin fine fire red (CC 33b) stripes, near the top capsicum red (CC 33a); aureolin (CC 12a) edged. Base with greenish glow. Inside: basal third shining tomato red (CC 44b); broad tomato red midvein (CC 44b) feathering to the edges into the aureolin (CC 12a) ground. Base black brown (CC 200a), bordered with a little aureolin (CC 12a). Filaments black brown (CC 200a), pollen canary yellow (CC 7a). Ovary sap green (CC 150c), stigma primrose yellow (CC 2b). Stem scheele's green (CC 144b), leaves fern green (CC 146a) with anthocyanin stripes.

Height 25 cm

**'Comtesse'**

Double Late Group

Segers, 1943. Lilac purple, white base.

Height 40 cm

**'Con Brio'** (Single Early Group) see Classified List 1958

**'Concerto'**

Fosteriana Group

Hybrida. Exterior sulphur white; inside sulphur white with a black yellow edged base.

Height 30 cm

*concinna* Baker see *armena* Boiss.

**'Concolor'** see *korolkowii* '**'Concolor'**'

**'Concordia'** (Triumph Group) see Classified List 1987

**'Concours'**

Triumph Group

Van Zanten Bros., 1988. Exterior lilac purple (CC 70b), base greenish white (CC 157c). On outer tepals vague erythrite red (CC 186b) flame. Inside lilac purple (CC 70b). Base primrose yellow (CC 4d) encircled by vague narrow moorish blue (CC 93c) line. Filaments greenish white with moorish blue, anthers plum purple (CC 165a). Ochre brown stem.

Height 40 cm

**'Condé Nast'** (Cottage Group) see Classified List 1958

**'Condor'** (Darwin Group) see Classified List 1958  
Krelage & Son, before 1930. Dull geranium lake. Historical collections only.

**'Confidence'** (Darwin Group) see Classified List 1965

**'Congo'** (Darwin Group) see Classified List 1958

**'Conrad Hilton'** Single Late Group

F. Roozen, 1963. Exterior dull flamed carmine red on saffron yellow, outer base bronze; inside bright lemon yellow, base bronzy green, edged lemon yellow, anthers purple.

Height 60 cm

**'Consolor'** (Triumph Group) see Classified List 1987

**'Consonant'** (Triumph Group) see Classified List 1987

**'Conspectus'** (Double Early Group) see Classified List 1958

**'Constance'** Triumph Group

Segers, 1958. Bright rosy red, flushed salmon.

Height 45 cm

**Constantinople** see '**Amiral de Constantinople**'

**'Consul'** (Darwin Group) see Classified List 1958

**'Content'** Triumph Group

Sport of '**Rosario**'

Koedijk & Son, 1995. Exterior: base ivory white (CC 155a) fading into the cherry (CC 53d) tepal; outer tepals with a large flame of which the basal part ivory white (CC 155a) and the top part indian lake (CC 59c) is on an ivory white ground (CC 155a). Margins cardinal red (CC 60d). Inside: base ivory white (CC 155a) fading into the cherry (CC 53d) tepal; midvein phlox pink (CC 62b), on the outer tepals interrupted with white. Filaments ivory white (CC 155b) with dresden yellow (CC 5d) glow at the top; pollen barium yellow (CC 10b) and parsley green (CC 139d). Ovary sap green (CC 150c), stigma chartreuse green (CC 154d). Stem lettuce green (CC 144a), leaves fern green (CC 146a) with sulphur yellow (CC 6d) edge.

Height 50 cm

**'Cook Island'** (Triumph Group) see Classified List 1958

**'Copenhagen'**

Fosteriana Group

Tubergen, 1961. Exterior nasturtium red, blotched azalea rose; inside glowing vermillion, base black, edged yellow, anthers black. Leaves beautifully reddish brown blotched and striped. ( $2n = 24$ )

Height 35 cm

**'Copernicus'**

Single Late Group

Before 1916. Bronze, yellow base. Historical collections only.

**'Copland's Favourite'** (Single Late Group) sport of '**Rose Copland**', see Classified List 1987

**'Copland's Magenta'**

Single Late Group

Sport of '**Copland's Record**'

Kooi, 1960. Reddish magenta, base white, edged blue. ( $2n = 24$ )

Height 45 cm

**'Copland's Memory'**

Single Late Group

Sport of '**Rose Copland**'

Th.G. van Went, 1956. Purple red. ( $2n = 24$ )

Height 45 cm

**'Copland's Parrot'** (Parrot Group) sport of '**William Copland**', see Classified List 1958

**'Copland's Purple'**

Single Late Group

Sport of '**William Copland**'

P. & J.W. Mantel, 1942. Purple. ( $2n = 24$ )

Height 45 cm

AM-KAVB 1944

Sport: '**Copland's Sensation**'

**'Copland's Record'**

Single Late Group

Sport of '**Rose Copland**'

Kooi, 1956. Deep rose. ( $2n = 24$ )

Height 45 cm

Sport: '**Copland's Magenta**'

**'Copland's Rival'**

Single Late Group

Sport of '**William Copland**'

Jan Smit Dzn., 1942. Light purple rose. ( $2n = 24$ )

Height 45 cm

<b>'Copland's Sensation'</b>	Single Late Group
Sport of ' <b>Copland's Purple</b> '	
Eugène van der Schoot, 1962. Deep purple violet, base blue and white, anthers black purple. ( $2n = 24$ )	
Height 45 cm	
<b>'Coppelia'</b> (Triumph Group) see Classified List 1987	
<b>'Coquette'</b>	Single Early Group
Konijnenburg & Mark, 1973. Exterior creamy white with a broad creamy margin; inside creamy white, base canary yellow, anthers light mimosa yellow.	
Height 45 cm	
<b>'Cor Boersma'</b>	Triumph Group
C.J. van Bentem, Van Bentem Bluefieds, 1993. Exterior: base ivory white (CC 155a); tyrian purple (CC 61b) with from base to top a chrysanthemum red (CC 60b) flame. Basal half of tepal with tyrian purple (CC 61b) and ivory white (CC 155a) striped margin. Inside cardinal red to cherry (CC 53c/d), tophalf with golden yellow glow. Near the midvein two lilac purple (CC 70b) stripes, near the base a lilac purple (CC 70b) glow. Base primrose yellow (CC 3a) with ivory white (CC 155a) rim. Filaments plum purple (CC 79a), anthers black brown (CC 200b). Ovary yellow green (CC 145a), stigma chartreuse green (CC 1d). Stem pale green, leaves fern green (CC 146a).	
Height 30 cm	
<b>'Cordell Hull'</b>	Single Late Group
Sport of ' <b>Bartigon</b> '	
P. Bakker Mz., 1933. Creamy white, flamed carmine. ( $2n = 24$ )	
Height 55 cm	
AM-KAVB 1933, FCC-KAVB 1939	
Sports: ' <b>Montgomery</b> ', (' <b>Paljas</b> '), ' <b>Union Jack</b> '	
<b>'Cordon Rouge'</b> (Single Late Group) see Classified List 1987	
<b>'Corfou'</b> (Darwin Group) see Classified List 1958	
<b>'Corina's Choice'</b>	Triumph Group
Visser Czn., J. Lighthart, 1994. Exterior cherry (CC 53d). Inside carmine (CC 52a) to cherry (CC 53d), base canary yellow (CC 7c). Filaments canary yellow (CC 9a), pollen lead grey (CC 201a) to deep sea blue (CC 103a). Ovary yellow green (CC 145b), stigma mimosa yellow (CC 8b). Stem dull anthocyanin.	
Height 25 cm	
<b>'Corinna'</b>	Single Late Group
Tubergen, before 1929. Bluish purple, base white. Historical collections only.	

- 'Coriolan'** Triumph Group  
 Konijnenburg & Mark, 1959. Exterior orange red, edged yellow; inside turkey red, base yellow and green, anthers violet. ( $2n = 24$ )  
 Height 40 cm  
 Sports: 'Arke', 'Ronald McDonald House'
- 'Coriseth'** (Breeder Group) see Classified List 1958
- 'Corneille'** (Darwin Group) see Classified List 1958
- 'Cornelis Kuipers'** Double Early Group  
 Sport of 'Murillo'  
 P. v. Reisen & Sons, 1952. Violet red.  
 Height 25 cm
- cornuta* Delile see *acuminata* Vahl. ex Hornem.
- 'Corona'** Kaufmanniana Group  
 Tubergen. Exterior red; inside pale yellow. Leaves mottled. ( $2n = 24$ )  
 Height 25 cm  
 AM-RHS 1948
- 'Coronado'** (Darwin Group) see Classified List 1958
- 'Corporal'** (Mendel Group) see Classified List 1958
- 'Correct'** (Darwin Group) see Classified List 1958
- 'Corrida'** (Mendel Group) see Classified List 1958
- 'Corridor'** Fringed Group  
 Sport of 'Arma'  
 P.C.J.M. de Boer, 1993. Exterior base canary yellow (CC 9a), tepals currant red (CC 46a) to dark indian lake (CC 187a), margins currant red (CC 46a). Inside: base canary yellow (CC 9a) with black brown (CC 200a) rim. Tepals currant red (CC 46a) with irregularly dispersed darker spots. Filaments canary yellow (CC 9a) with fern green (CC 146a) stripes. Pollen black brown (CC 200a). Ovary scheele's green (CC 144c), stigma chartreuse green (CC 154a). Stem green with anthocyanin near the top. Leaves fern green (CC 146a).  
 Height 40 cm
- 'Corrie Kok'** Triumph Group  
 Van Zanten Bros., 1962. Exterior delft rose, to the edge signal red, small cream yellow outer base; inside signal red, base empire yellow, anthers purple blue. ( $2n = 24$ )  
 Height 45 cm  
 QC(c)-TGA-KAVB 1969

- 'Corsage'** Greigii Group  
Hybrida, 1960. Exterior porcelain rose, edged yellow; inside begonia rose, feathered golden yellow, base bronze, anthers yellow. Leaves mottled.  
Height 30 cm  
TGA-KAVB 1960, HC-RHS 1966, AGM-RHS 1993
- 'Corsica'** (Cottage Group) see Classified List 1958
- 'Corso'** (Triumph Group) see Classified List 1987
- 'Cortina'** Single Late Group  
Koninklijke Van Zanten, 1995. Exterior blood red (CC 45c), margins slightly darker (CC 46b). Inner tepals blood red (CC 46b). Base primrose yellow (CC 2b). Inside blood red (CC 45b), base canary yellow (CC 9a). Filaments canary yellow. Pollen black. Ovary yellow green (CC 145b), stigma chartreuse green (CC 154c).  
Height 80 cm  
TGA-KAVB 1991
- 'Corundum'** (Greigii Group) see Classified List 1958
- 'Corvair'** (Triumph Group) see Classified List 1965
- 'Corynestemon'** A.D. Hall see **tetraphylla** Regel
- 'Coryphe'** (Single Late Group) see Classified List 1987
- 'Cosma'** (Kaufmanniana Group) see Classified List 1958
- 'Cosmopolite'** (Triumph Group) see Classified List 1965
- 'Cossack'** Fringed Group  
Segers, 1974. Exterior buttercup yellow with crystalline yellow coloured fringe; inside somewhat darker yellow, base yellow, anthers yellow.  
Height 55 cm  
TGA-KAVB 1974
- 'Costa Diva'** (Cottage Group) see Classified List 1965
- 'Côte d'Azur'** (Darwin Group) see Classified List 1958
- 'Côte d'Or'** see **'Goldcoast'**
- 'Cottage Boy'** Single Early Group  
**Sport of 'Cottage Maid'**  
Raiser unknown, before 1906. Orange and scarlet. Historical collections only.

**Cottage Group** (sometimes also called Single Late Tulips) see Classified List 1917-1976

**'Cottage Maid'** Single Early Group

*'La Précieuse'*

Raiser unknown, 1857. Deep rose and white. Historical collections only.

Sport: '**Cottage Boy**'

**'Coty'** (Kaufmanniana Group) see Classified List 1958

**'Couleur Cardinal'** Triumph Group

Raiser unknown, 1845. Scarlet, outside plum colour. ( $2n = 24$ )

Height 35 cm

AM-RHS 1906

Sports: '**Arma**', '**Prinses Irene**', '**Rococo**'

**'Councillor'** (Darwin Group) see Classified List 1958

**'Count Bernadotte'** (Triumph Group) sport of '**Viotta**', see Classified List 1958

**'Couperin'** Triumph Group

Konijnenburg & Mark, 1977. Exterior: outer tepals flamed scarlet, edged orange, inner tepals scarlet with orange yellow vein and edge, outer base green yellow; inside mandarin red with feathered orange yellow edge, base fern green, edged somewhat yellowish, anthers ruby red. ( $2n = 24$ )

Height 50 cm

TGA-KAVB 1977

**'Courbet'** Single Late Group

*'Admiraal Courbet'*, *'L'Amiral Courbet'*

Krelage & Son, before 1920. Purple. Historical collections only.

**'Couronne d'Or'** (Double Early Group) see Classified List 1948

Sports: ('**Couronne d'Orange**'), ('**Mr. Van Tubergen**'), ('**Orange Blossom**'), ('**Orange Globe**')

**'Couronne d'Orange'** (Double Early Group) sport of '**Couronne d'Or**', see Classified List 1958

**'Couronne des Roses'** (Double Early Group) see Classified List 1948

**'Courtesy'** (Single Early Group) see Classified List 1958

**'Court Lady'** Viridiflora Group

D.W. Lefeber & Co., 1956. White and green. ( $2n = 24$ )

Height 45 cm

- 'Covent Garden'** Single Early Group  
 Sport of 'Krelage's Triumph'  
 C. Jonkheer & Sons, 1956. Orange red.  
 Height 45 cm
- 'Cover Girl'** (Cottage Group) see Classified List 1976
- 'Coxa'** Double Late Group  
 Zocher & Co., before 1930. Carmine, shaded vermillion, edged white. (2n = 24)  
 Height 45 cm
- 'AM-KAVB 1932'** Sports: ('Eroica'), 'Orange Triumph', 'Paul Claudel'
- 'Crabeth'** (Lily-flowered Group) see Classified List 1958
- 'Cramoisi Brillant'** Single Early Group  
 'Sparkler'  
 Raiser unkown, 1860. Scarlet. Fragrant. (2n = 24)  
 Height 30 cm  
 Sport: 'Golden Brilliant', ('Orange Brilliant'), ('Westland')
- 'Cramoisi Pourpre'** see 'Stanley'
- 'Crater'** Triumph Group  
 Zocher & Co., before 1928. Carmine red, passing into vermillion at the edge (2n = 24)  
 Height 50 cm
- 'FA-KAVB 1934, AM-KAVB 1938'**  
 Sport: 'Klaas Hommes'
- 'Cream Girl'** (Fosteriana Group) see Classified List 1958
- 'Cream Perfection'** Triumph Group  
 J. Broersen, 1988. Exterior primrose yellow (CC 4d) with sulphur yellow (CC 6d) flame. Inside primrose yellow (CC 3b/c) with paler midvein (CC 4d). Base round, canary yellow (CC 9a). Filaments canary yellow (CC 9a), pollen barium yellow (CC 10b).  
 Height 45 cm
- 'Cream Star'** (Darwin Group) see Classified List 1958
- 'Crème King'** PBR Triumph Group  
 Sport of 'White Dream'  
 F.C. Smit, Holland Bolroy Markt, 1995. Exterior ivory white (CC 155b), along the midvein chartreuse green (CC 1d) glow. Inside chartreuse green (CC 1d),

fading to top and margin. Midvein and margins ivory white (CC 155b). Filaments primrose yellow (CC 4d), pollen aureolin (CC 12a). Ovary scheele's green (CC 144b/c), stigma chartreuse green (CC 154d). Stem scheele's green (CC 144b), leaves darker than fern green (CC 146a). A more regular and less rounded flower shape than 'Mont Ventoux'.

Height 40 cm

**'Creme Upstar'** PBR

Double Late Group

Sport of 'Upstar'

J. Ligthart, 1994. Exterior primrose yellow (CC 2d/4d), spotted scheele's green (CC 143c). Margins magenta rose (CC 64d). Inside naples yellow (CC 11b) changing into sulphur yellow (CC 16d). Margins with phlox pink (CC 62b/c) glow. Base ivory white (CC 155b). Pollen mimosa yellow (CC 8b). Ovary yellow green (CC 145b), stigma chartreuse green (CC 154c/d). Fragrant.

Height 35 cm

TGA-KAVB 1990

**'Cremon'** (Triumph Group) see Classified List 1958

**'Crépuscule'** (Darwin Group) see Classified List 1948

**'Crescendo'** (Double Early Group) see Classified List 1958

**'Creta'** (Triumph Group) see Classified List 1958

**'Créteil'** (Double Early Group) see Classified List 1958

**cretica** Boiss. & Heldr.

Miscellaneous

Described 1853: Crete. White, outer tepals on the reverse tinged with purplish red. (2n = 24)

Height 15 cm

**'Cri de Coeur'**

Single Late Group

Sport of 'Renown'

De Geus and A. Moras, 1973. Exterior primrose yellow with a cherry red flame, veined cardinal red, margin canary yellow; inside sulphur yellow with a red flame, base sulphur yellow, anthers light yellow.

Height 65 cm

TGA-KAVB 1973

**'Crimson Beauty' 'Kew'** (Mendel Group) Historical cultivar

**'Crimson Beauty'** (Parrot Group) see Classified List 1958

**'Crimson Glory'** (Triumph Group) see Classified List 1958

**'Crimsonia'** Double Early Group

Sport of 'Electra'

Driehuizen Bros., 1941. Light crimson red. ( $2n = 24$ )

Height 25 cm

## 'Crimson King' see 'Roi Cramoisié'

**'Crimson Queen'** Single Early Group

Sport of 'La Reine'

Raiser unknown, 1891. Ox blood red. Historical collections only.

**'Crimson Rambler'** (Darwin Group) see Classified List 1958*Crispa* is sometimes used to indicate the Fringed Group**'Cristella'** Fringed Group

Segers, 1970. Exterior reddish lilac purple with crystalline white coloured fringe, outer base white; inside light indian lake, white base, edged blue, anthers green yellow.

Height 55 cm

TGA-KAVB 1974

**'Cristina Deutekom'** Triumph Group

Van den Berg-Hytuna, 1994. Exterior dresden yellow (CC 5c) with darker (CC 5b) margins. Inside sulphur yellow (CC 6a), midvein paler. Base canary yellow (CC 9a). Filaments lemon yellow (CC 14b), pollen chartreuse (CC 154c). Stem scheele's green (CC 144b), leaves fern green (CC 146a).

Height 50 cm

**'Croisette'** (Bizarre Group) see Classified List 1958**'Crown Diamond'** Triumph Group

De Geus-Vriend, 1993. Exterior aureolin (CC 12a) with some small tomato red (CC 45b) spots. On the outer tepals a diagonal band of small tomato red spots on both sides of the midvein. With maturation of the flower becomes this tomato red spotted band fine brown red striped near the top. Inside lemon yellow (CC 14b) to aureolin (CC 12a) with willow green (CC 147a) at the base. Filaments black brown (CC 200a), pollen plum purple (CC 79a). Ovary scheele's green (CC 144b/c), stigma sulphur yellow (CC 6a). Stem lettuce green (CC 144a), leaves fern green (CC 146a). Height 45 cm

**'Crown Imperial'** Single Early GroupZocher & Co., intr. before 1929. Purplish brown, edged dull yellow. ( $2n = 24$ )

Height 35 cm

FA-KAVB 1933

Sports: 'Brasilia', ('Zonnewende')

**'Crown Jewel'** (Darwin Group) see Classified List 1958

**'Crown Prince'** (Triumph Group) see Classified List 1958

**'Croydon'** (Triumph Group) see Classified List 1958

**'Cruquius'**

Triumph Group

Vooren, C. and A. van Bentem, 1989. Exterior spiraea red (CC 63a) flamed with phlox pink (CC 62b/c) margins. Inner tepals wholly phlox pink (CC 62b) to spiraea red (CC 63c). Base primrose yellow (CC 4d). Inside spiraea red (CC 62b). Base cornflower blue (CC 96a) surrounded by vague violet (CC 86b) circle. Filaments violet (CC 86a). Pollen very dark purple to black. Stem anthocyanin.

Height 35 cm

AGM-RHS 1995

**'Crusader'** (Breeder Group) see Classified List 1958

**'Crystal Beauty'**

Fringed Group

Sport of '**Apeldoorn**'

P. van Dijk & Sons, 1982. Exterior claret rose with crystalline orange to vermillion coloured fringe; inside bright tomato red, base black, edged yellow.

Height 55 cm

TGA-KAVB 1982

**'Crystal Glow'**

Fringed Group

Winner unknown, J.N.M. van Eeden, 1994. Exterior irregularly tyrian purple (CC 61c) and rose red (CC 58b), fading towards top and margins, near ivory white (CC 155b) base lilac purple (CC 70a) glow; near the margins amber yellow (CC 18d) glow. Inside irregularly claret rose (CC 50a) and cardinal to cherry red (CC 53c-d), top paler. From base to top a rose bengal (CC 57b) stripe changing into amethyst violet (CC 84c) near the top. Base deep sea blue (CC 103b) with an ivory white (CC 155b) and a dull spectrum violet (CC 83c) rim. Filaments ivory white (CC 155b) to deep sea blue (CC 103b); pollen black (CC 202a). Ovary yellow green (CC 145a), stigma chartreuse (CC 1d). Stem scheele's green (CC 143c), near the top light anthocyanin. Top half of tepals fringed. Leaves spinach green (CC 137a) with paler stripes.

Height 40 cm

**'Crystal Palace'** (Cottage Group) see Classified List 1958

**'Cuba'** (Breeder Group) see Classified List 1958

**'Cullinan'**

Single Early Group

Sport of '**White Hawk**'

Raiser unknown, before 1908. White passing into soft rose. Historical collections only.

**'Cum Laude'** Single Late Group

Grullemans & Sons, 1944. Dark campanula violet, base white with blue. ( $2n = 24$ )

Height 60 cm

**'Cunera'** (Breeder Group) see Classified List 1958

**'Cup Final'** Triumph Group

P. Hermans, C.A. van Paridon, 1961. Deep buttercup yellow, anthers greenish yellow.

Height 60 cm

TGA-KAVB 1969

**'Cupid'** (Rembrandt Group) see Classified List 1958

**'Cupido'** Triumph Group

Van Zanten Bros., 1974. Exterior dark claret rose, margin buttercup yellow; inside blood red, broad buttercup yellow margin, base yellow with a thin bronze green margin, anthers purple.

Height 25 cm

**'Curiosity'** (Darwin Group) sport of '**Clara Butt**', see Classified List 1958

*cuspidata* Stapf see **stapfii** Turrill

**'Cyclops'** see '**Goldfinder**'

**'Cyclotron'** (Double Late Group) see Classified List 1958

**'Cynthia'** see **clusiana** '**Cynthia**'

**'cypria'** Stapf Miscellaneous

Described 1934; Cyprus. Deep claret, black basal blotch with narrow zone of pale yellow. ( $2n = 24$ )

**'Cyprus'** Fringed Group

Segers, 1969. Exterior aureolin, darker edged, tepals with crystalline fringe; inside deep canary yellow, anthers soft yellow.

Height 55 cm

**'Cyrano'** Single Late Group

A.D. Hall, 1929. Dark Brown. (English Breeder: Bizarre) Historical collections only.

**'Cyrano'**

Rembrandt Group

A.D. Hall, 1929. Broken 'Cyrano'. Dark Brown on rich gold. (Broken English Breeder: Bizarre) Historical collections only.

**'Czaar Peter'**

Greigii Group

Verwer, 1982. Exterior feathered claret rose on whitish ground, outer base pale yellow; inside: scarlet spotted and feathered flame on ivory white ground, greyish green basal blotches on aureolin ground, anthers bluish. Leaves mottled.

Height 25 cm

TGA-KAVB 1982

**'Czardas'**

Fosteriana Group

D.W. Lefeber & Co., 1942. Orange scarlet with yellow base. ( $2n = 24$ )

Height 40 cm

**'Czepel'** (Darwin Group) see Classified List 1958**'Da Capo'** (Triumph Group) see Classified List 1971**'Daddy Longlegs'** (Cottage Group) see Classified List 1958**'Dagmar'**

Fringed Group

Segers, 1975. Exterior dresden yellow, darker towards the edges with a crystalline primrose yellow coloured fringe; inside canary yellow with a lemon yellow base, on outer tepals a narrow ivory white vein.

Height 55 cm

**'Daheim'** (Bijbloemen Group) sport of '**Black Knight**', see Classified List 1958**'Daily Sketch'** (Darwin Group) see Classified List 1952**'Daintiness'** (Cottage Group/Lily-flowered) see Classified List 1952**'Dainty Caroline'**

Triumph Group

Van den Berg-Hytuna, N.J.J. de Wit & Sons, 1993. Exterior primrose yellow (CC 4c/d), margins sulphur yellow (CC 6c). Inside primrose yellow (CC 4c) changing to top and margin into sulphur yellow (CC 6c). Filaments ivory white (CC 155a), top primrose yellow (CC 4c). Ovary yellow green (CC 145d), stigma chartreuse green (CC 154b). Stem lettuce green (CC 144a), leaves fern green (CC 146a), downy.

Height 40 cm

- 'Dainty Lady'** Hybrida Single Late Group  
 Rijnveld & Sons, 1962. Exterior neyron rose, edged buttercup yellow, inside tyrian purple, lighter edged and feathered, base pale yellow, anthers deep purple.  
 Height 65 cm  
 AM-KAVB 1962
- 'Dainty Maid'** see '**Prosperity**' Hybrida
- 'Daiquiri'** (Fosteriana Group) see Classified List 1952 Fosteriana Group
- 'Daisy Schäffer'** (Cottage Group) see Classified List 1952 Cottage Group
- 'Daja'** (Single Early Group) see Classified List 1952 Single Early Group
- 'Dakota'** (Double Early Group) see Classified List 1958 Double Early Group
- 'Daladier'** Double Late Group  
 Zocher & Co., 1951. Crimson carmine, base white.  
 Height 50 cm
- 'Dame du Palais'** (Darwin Group) see Classified List 1958 Darwin Group
- dammannii** Regel Miscellaneous  
 Described 1889: Mountains of Lebanon. Red with bluish black base.
- 'Dance'** Fosteriana Group  
 Hybrida, 1952. Exterior rose; inside white. ( $2n = 24$ )  
 Height 25 cm  
 AM-RHS 1954
- 'Dancing Show'** Viridiflora Group  
 Konijnenburg & Mark, 1969. Canary yellow, greenish flamed on the outside, anthers soft green.  
 Height 45 cm
- 'Dandy'** Greigii Group  
 Hybrida, 1961. Exterior carmine rose, edged barium yellow; inside veined scarlet on yellow, base black, blotched brown. Leaves mottled. ( $2n = 24$ )  
 Height 20 cm  
 TGA-KAVB 1973
- 'Daniel Hall'** (Single Late Group) see Classified List 1987 Single Late Group
- 'Danseuse'** (Triumph Group) see Classified List 1987 Triumph Group

**'Dante'**

Double Early Group

J.F. van den Berg & Sons, 1939. Blood red. ( $2n = 24$ )

Height 20 cm

AM-KAVB 1939

Sport: 'Pretty Baby'

**'Danton'**

Triumph Group

Konijnenburg & Mark, 1952. Deep carmine. ( $2n = 24$ )

Height 40 cm

**'Dardanelles'**

Darwinhybrid Group

D.W. Lefeber & Co., 1942. Exterior cherry red; inside signal red, star shaped green base, edged yellow, anthers green. ( $2n = 36$ )

Height 60 cm

Sport: 'Sulphur Dardanelles'

**'Darky'** (Bizarre Group) see Classified List 1958**'Darling'** (Mendel Group) see Classified List 1952**'Darling'** (Broken Dutch Breeder Group) see Classified List 1952**'Darlington'**

Single Late Group

Segers, about 1933. Carmine with lighter edge. Historical collections only.

**Darwin Group** see Classified List 1917-1971**Darwinhybrid Group**Single flowered cultivars, long stemmed, mid season flowering. Originally the result of hybridization between cultivars of the Darwin Group with *Tulipa fosteriana* and the result of hybridization between other cultivars and botanical tulips, which have the same habit and in which the wild plant is not evident.***dasystemon*** hort. see **T. tarda** Stapf***dasystemon* (Regel) Regel**

Miscellaneous

Described 1877: Central Asia: Tien Shan; China: Dzungaria-Kashgar region. Bright yellow. It is regarded by some authors as possibly a synonym of ***turkestanica*** Regel ( $2n = 24$ )

Height 10 cm

***dasystemonoides* Vved.**

Miscellaneous

Described 1935: Central Asia: Tien Shan. Pale yellow, reverse of outer tepals tinged dull violet, anthers yellow.

**'Dauphin'** (Mendel Group) see Classified List 1958

**'David Teniers'** Double Early Group

Sport of 'Murillo'

P. Bakker Mz., 1960. Violet purple. ( $2n = 24$ )

Height 25 cm

**'Davy Crockett'** (Double Late Group) see Classified List 1958

**'Dawn'** (Triumph Group) see Classified List 1958

**'Dawnglow'** Darwinhybrid Group

Sport of 'Red Matador'

Kendall, W. van der Salm. 1965. Exterior pale apricot, flushed carmine pink; inside yellow orange, base greenish yellow, anthers purple.

Height 55 cm

**'Daybreak'** (Double Late Group) see Classified List 1958

**'Daydream'** Darwinhybrid Group

Sport of 'Yellow Dover'

J.N.M. van Eeden, 1980. Exterior: outer tepals aureolin with grey white midrib and orange feathered edge on yellowish ground, inner tepals feathered china rose with yellow glow, midrib tinted rose, outer base porcelain green; inside clear marigold orange with deep orange midrib and flamed buttercup yellow, star shaped base with blue black and mossgreen basal blotches.

Height 55 cm

**'Daydream'** (Kaufmanniana Group) see Classified List 1958

**'Daylight'** Kaufmanniana Group

M. Thoolen, 1955. Exterior scarlet; inside scarlet, base black, yellow striped.

Leaves mottled. ( $2n = 24$ )

Height 25 cm

Sport: 'Golden Daylight'

**'Day of Glory'** (Double Late Group) see Classified List 1987

**'Dazzler'** (Triumph Group) see Classified List 1958

**'Deanne Durbin'** (Single Late Group) see Classified List 1987

**'Debbie's Delight'** (Lily-flowered Group) see Classified List 1987

**'Deborah'** (Darwin Group) see Classified List 1958

**'Debutante'**

Triumph Group

IVT, H. Roozen Niczn., 1984. Exterior: outer tepals cherry, inner tepals glowing cardinal red, narrow white edge, outer base white; inside cardinal red fading to a white broad edge, base yellowish white, anthers plum purple. ( $2n = 24$ )  
Height 50 cm

**'Debutante'** (Triumph Group) see Classified List 1958**'De Candolle'**

Triumph Group

Krelage & Son, before 1926. Carmine edged white. Historical collections only.

**'Decorator'**

Single Late Group

F. Roozen, 1957. Deep chrysanthemum red, tinged buttercup yellow, base yellow.  
Height 50 cm

**'Decorator'**

Triumph Group

Krelage & Son, before 1928. Raspberry red, edged ivory. Historical collections only.

**'De Graaff's Triumph'** (Double Early Group) see Classified List 1958**'Deirdre'** PBR

Viridiflora Group

P.L. Braaksma, 1990. Exterior scheele's green (CC 143a) on chartreuse green (CC 154d) ground; margins greenish white (CC 157d). Inside scheele's green (CC 143b) on sap green (CC 150b/c) ground; margins greenish white. Basal spots plum purple (CC 79a). Filaments plum purple, anthers barium yellow (CCv 10a). Ovary yellow green (CC 145b), stigma chartreuse green (CC 154d).  
Height 50 cm

**'Defiance'** (Fosteriana Group) see Classified List 1958**'Dekker's Glory'** PBR

Triumph Group

J.A. Dekker, 1978. Exterior flamed dull magenta rose on rose bengal ground, edged pale rose, outer base mineral violet, tinted white; inside neyron rose, base lemon yellow on white ground, anthers pale golden yellow.  
Height 40 cm

**'Delaware'** (Breeder Group) see Classified List 1958**'Delden'** (Triumph Group) see Classified List 1958**'Delicacy'** (Fosteriana Group) see Classified List 1958

- 'Delicate'** Triumph Group  
Krelage & Son, before 1928. Crimson carmine (159/2). Historical collections only.
- 'Délice'** Triumph Group  
Krelage & Son, before 1928. White, edged pink (156/2). Historical collections only.  
Sports: ('Carthago'), ('White Angel')
- 'Delicious'** (Darwin Group) see Classified List 1958
- 'Delila'** (Kaufmanniana Group) see Classified List 1958
- 'Delmonte'** Single Late Group  
J.F. van den Berg & Sons, 1978. Exterior feathered pale magnolia purple on ivory white ground, the edges whitish; inside feathered rhodamine pink on yellowish white ground, base mimosa yellow, anthers brown black.  
Height 45 cm  
TGA-KAVB 1978
- 'Deloitte and Touche'** Triumph Group  
Konijnenburg & Mark, 1995. Exterior: base darker than plum purple (CC 79a), outer tepals chartreuse green (CC 1d). Tepal delft rose (CC 46d) changing via tomato red (CC 45d) into blood red (CC 45b) near margins and top. Outer tepals with cardinal red (CC 53b) flame from base to top; towards the margins tomato red (CC 45d/b). Inside: base black brown (CC 200a) to black (CC 202a), bordered, except near the midvein, canary yellow (CC 7b). Tepal tomato red (CC 44a). Filaments black brown (CC 200a) to black (CC 202a), pollen black brown (CC 200a). Ovary sap green (CC 150c), stigma chartreuse green (CC 154d). Stem scheele's green (CC 144b), near the top darker; leaves fern green (CC 146a).  
Height 40 cm
- 'Delphi'** (Single Late Group) see Classified List 1987
- 'Delphi'** (Darwin Group) see Classified List 1958
- 'Delphin'** (Darwin Group) see Classified List 1958
- 'Demeter'** Triumph Group  
Tubergen. Plum purple. ( $2n = 24$ )  
Height 60 cm  
AM-KAVB 1932, AGM-RHS 1993

**'Denbola'**

Triumph Group

Zocher & Co. Deep amaranth red, edged white. ( $2n = 24$ )

Height 40 cm

FA-KAVB 1935

Sport: '**Carl M. Bellman**'**'Deneb'**

Triumph Group

Zocher &amp; Co., before 1929. Deep magenta red, edged white. Historical collections only.

**'Denmark'** (Triumph Group) see Classified List 1958**'Deny'** (Kaufmanniana Group) see Classified List 1958**'Denver'** (Breeder Group) see Classified List 1958**'Derrick'** (Triumph Group) see Classified List 1987**'De Ruyter'**

Double Early Group

Sport of '**Arie Alkemade's Memory**'C.P. Alkemade, 1995. Exterior primrose yellow (CC 2a) with cherry feather mainly at the base and along the midvein. Feather on the inner tepals stronger and broader. Base chartreuse (CC 1b). Inside lemon yellow (CC 14b) with vermillion (CC 41b) feather mainly at the base and along the midvein. Pollen chartreuse (CC 1a). Filaments lemon yellow (CC 14a). Some anthers misformed. Ovary pea green (CC 149b), stigma chartreuse (CC 1c). ( $2n = 24$ )

Height 35 cm

**'Desert Moon'** (Triumph Group) see Classified List 1958**'Desert Song'**

Single Early Group

L.J.C. Schoorl, 1985. Exterior ivory white with aureolin flame and a broad feathered spiraea red edge; inside flamed ivory white with a feathered nevron rose edge, small primrose yellow basal blotches, anthers lemon yellow.

Height 35 cm

**'Desert Song'** (Lily-flowered Group) see Classified List 1958**'Deshima'**

Triumph Group

Sport of '**Yokohama**'

Van den Berg-Hytuna, 1995. Exterior currant red (CC 46a), along the margins with darker stripes. Up to one quarter of the tepal edged canary yellow (CC 9b). Inside currant red (CC 46a/b) with darker veining. Base black (CC 202a), bordered aureolin (CC 12a). Filaments black brown (CC 200a), pollen primrose yellow (CC 2c).

Height 35 cm