



Orquídea



***C. schilleriana* Rchb.f.,**

**Allg. Gartenzeitung 25:335 (1857). Clase bifoliada , Subgenenero Falcata,
Seccion Guttatae**

By Edgardo Pauneto

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April 20

Orquídea

Historical facts

The species is from Brazil and originally flourished in the collection of Consul Schiller, in Hamburg, in 1857, who had introduced it from the province of Bahia, Brazil. Reichenbach describes it the same year in Berlin. But something curious: Two years later, Messer presented a different color and described it in a botanical magazine in 1859 as *V. concolor* (Sir William Hooker Kew). It was imported, but it was rarely considered to be a color variation and it was suspected that it was a natural hybrid between *Cattleya guttata* and *aclandiae*.

Synonyms according to “Kew”

***Cattleya schilleriana* Rchb.f., Allg. Gartenzeitung 25: 335 (1857).**

Homotypic Synonyms:

[*Epidendrum schillerianum* \(Rchb.f.\) Rchb.f. in W.G.Walpers, Ann. Bot. Syst. 6: 318 \(1861\).](#)

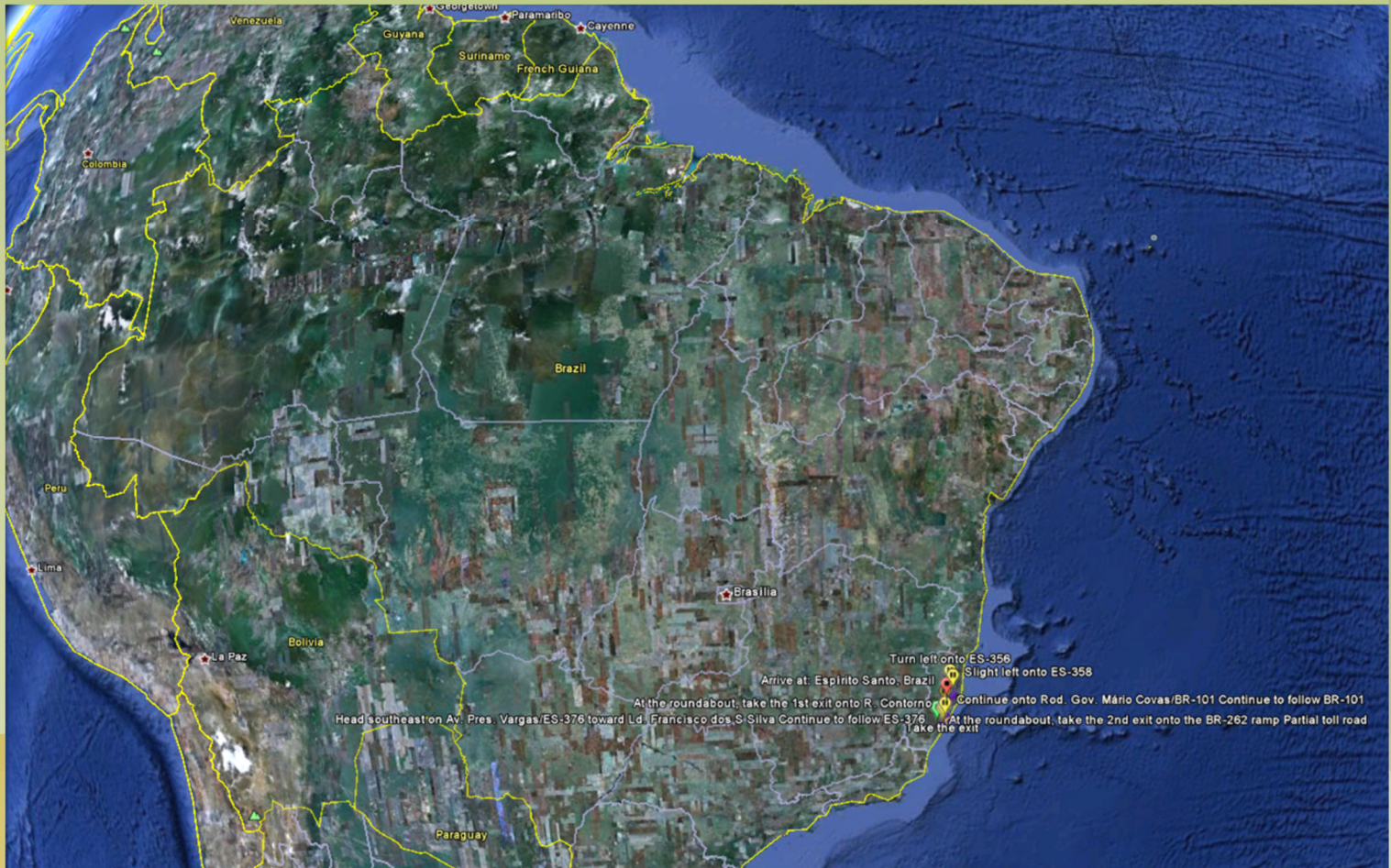
Heterotypic Synonyms:

[*Cattleya schilleriana* var. *concolor* Hook., Bot. Mag. 85: t. 5150 \(1859\).](#)

[*Cattleya regnellii* R.Warner, Select Orchid. Pl., II: t. 22 \(1866\).](#)

[*Cattleya schilleriana* var. *amaliana* L.Linden & Rodigas, Lindenia 2: 81 \(1886\).](#)

Orquídea



Geography and distribution

Brazil (northeast), in the state of Espírito Santo. The plants have been found only near the head of the Jucu river; near Domingo Martins. The plants grow at 240–760 masl, but they are quite rare above 550 masl. They grow on cliffs above the river on both sides; on mossy rocks and mossy trees that hang on the sides of vertical rocks located in that region.

April 2020

Orquídea

Cattleyas that share their habitat

C. schofieldiana



C. velutina

C.



harrisoniana

C. warneri

These *Cattleyas* grow in the same area, sometimes even in the same host tree. *Cattleya harrisoniana* and *C. warneri* also grow in the same area; according to Charles Baker.

Abril 20

Orquídea

Hybridization notes according to Charles Baker

Cattleya schilleriana has been naturally hybridized with several bifoliated *Cattleyas*. When *C. schofieldiana* (Rchb.f) is crossed, *C. resplendens* occurs; *C. lucienniana* is born; *C. harrisoniana* (Bateman) is one of the parents. On the other hand, crossing with *C. velutina* *C. frankeana* (Rolfe) is obtained. In addition, naturally crossed with the uniform *C. warneri* (T. Moore) produces the *Cattleya whitei hort*.

The latter with crimson, dark red flowers.



C. warneri



C. schilleriana



C. whitei hort

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Orquídea

NATURAL HYBRIDS



C. velutina



C. schilleriana

April 20

Orquídea



C. frankeana

C. velutina X *C. schilleriana*

April 20

Orquídea



C. schilleriana



C. warneri

April 20

Orquídea



***C. whitei* (1899) (*C. schilleriana* x *C. warneri*) has received two awards
1 HCC y 1JC/AOS**

According to OrchidWiz 7.0 this is a natural hybrid

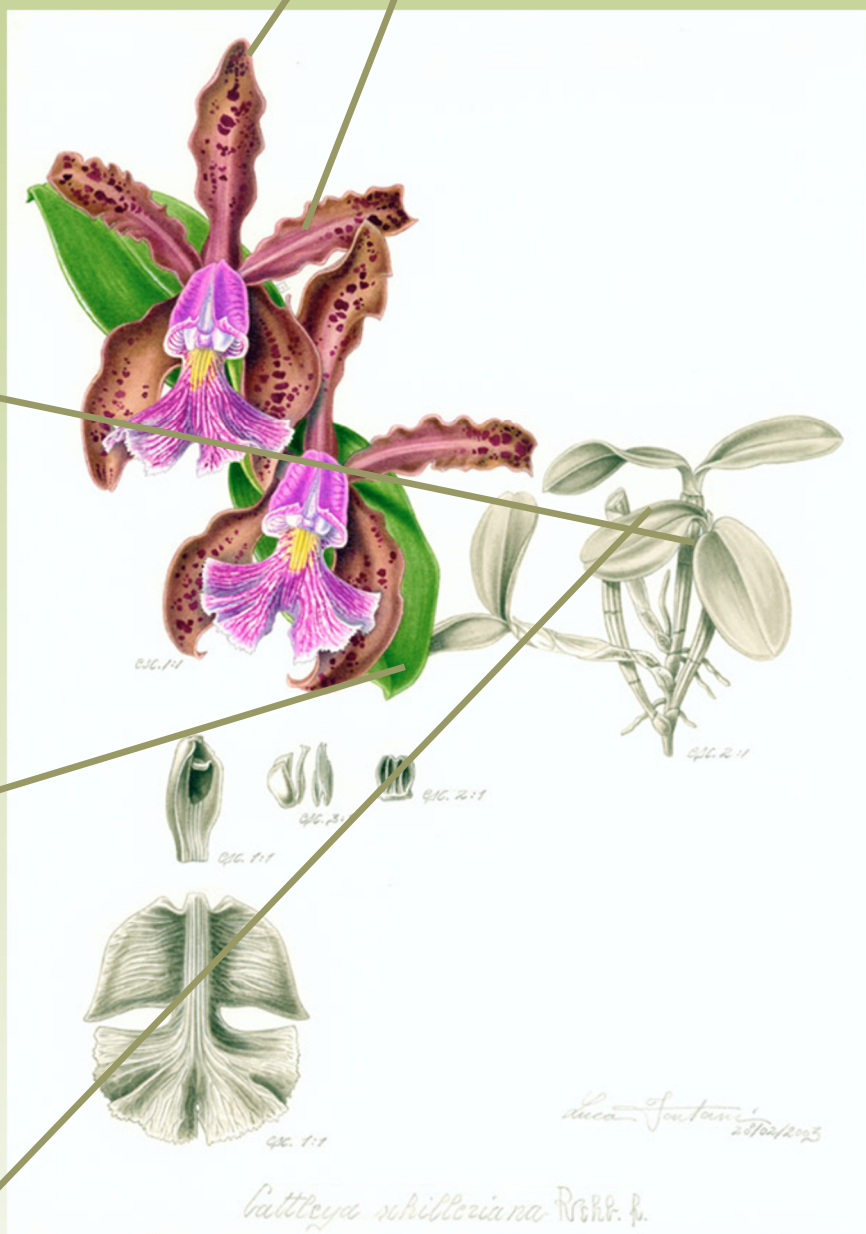
April 20

Orquídea

General characteristics

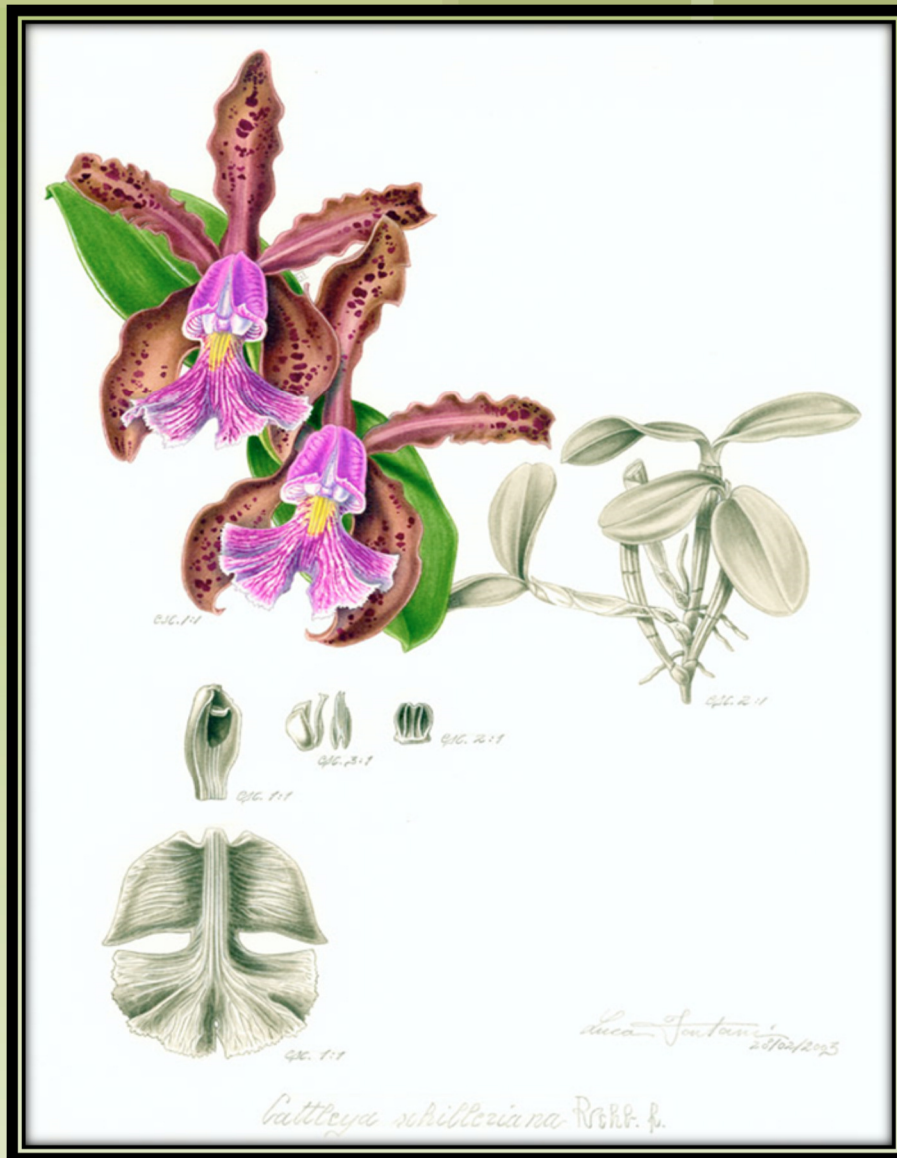
The sepals are about 5 cm long and 2 cm wide.

- Epiphyte.
- Symposium growth.
- The size of the pseudobulbs is 9-14 cm and they are thin.
- Three sepals and two petals.
- The column is not tied to the lip.
- It has four polynias.
- $2n$ (Diploides) = 38 chromosomes.
- The leaves emerge from the apex of the 3-4" long pseudobulbs



April 20

Orquídea



- The sepals and petals are similar, wavy at the margins and the color is almost identical and they are turned back at the tips.
- Inflorescence is born at the base of the leaf.
- It has points and spots.
- The lip is deep and three lobes, the lateral lobes are triangular and hide the spine, white on the outside and yellow and fuchsia stripes on the inside.
- The pattern of the veins of the lips is dominant.
- They bloom in spring and early summer.
- Long-lasting flowers.

Abril 20

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The lip

These photos represent the most striking feature of these flowers. The lip is white, rich in stretch marks (veins), in very good quality specimens it is perfectly flat and up to 5 cm in circumference.



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Varieties of *C. schilleriana*



C. schilleriana var.
multiflora



C. schilleriana var.
imperialis

April 20

C. schilleriana var. *coerulea*



April 20

SEARCH RESULT

| 1 award(s)

Cattleya schilleriana v. coerulea 'Orchidglade', AM/AOS (83 points)

May 5, 2000

Five well-held flowers on one upright inflorescence; sepals and petals moss green with olive green spots heavily displayed; lip white with wisteria blue stripes, mimosa yellow centrally in center of lip.

Nat. spr 9.5 ns vert 10.0 dsw 1.9 dsl 5.8 petw 1.5 petl 5.8 lsw 1.8 lsl 4.7
lipw 3.2 lipl 5.0 synsepalw 0.0 synsepall 0.0 pouchw 0.0 pouchl 0.0

Orchid Society of Manoa Show
Honolulu, Hawaii

Exhibitor: Wallace Nakamoto
3234 Woodlawn Dr., Honolulu, HI 96822

Hybridizer:

Entryno: 20001806 Slide ID:

Published: 200102 AQ

[Top](#) [Prev](#) [Next](#) [Bottom](#)

[Print Page](#) [Back](#)

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C. schilleriana f. semi-alba

April 20



SEARCH RESULT

1 award(s)

Cattleya schilleriana f. semi-alba 'Rio', SM/JOGA (81 points)

April 27, 2008

No descriptive information provided.

Nat. spr 11.0 ns vert 11.0 dsw 2.0 dsl 6.0 petw 2.0 petl 6.0 lsw 2.0 lsl 5.0
lipw 5.0 lipl 0.0 synsepalw 0.0 synsepall 0.0 pouchw 0.0 pouchl 0.0

Japan Orchid Growers Association
Kani Gifu

Exhibitor: Fujita Miyoko
, , Japan

Hybridizer:

Entryno: 60080352

Slide ID:

Published: 2009

JOGA Vc

[Top](#) [Prev](#) [Next](#) [Bottom](#)

[Print Page](#) [Back](#)

2 award(s)

Cattleya schilleriana var. sanderiana 'Orchid Alley', AM/AOS (83 points)



May 9, 1984

Five flowers on one inflorescence; rosy brown flowers with heavy spotting on all segments; shovel-shaped lip with heavy rose striping; all flowers of heavy, fleshy substance.

Nat. spr 10.5 ns vert 0.0 dsw 2.2 dsl 6.8
 petw2.2 petl 6.8 lsw 2.2 lsl 5.1 lipw 5.0 lip l 6.1
 synsepalw 0.0 synsepall 0.0 pouchw 0.0 pouchl 0.0

National Capital Center Monthly Judging
Washington, DC

Exhibitor: Orchid Alley

Hybridizer:

Entryno:19840508 Slide ID: Published 198404

Photog:

[Back](#)

[Top](#)

[Prev](#)

[Next](#)

[Bottom](#)

[Print Pg](#)

C. schilleriana var. sanderiana

1 award(s)

Cattleya schilleriana var. superba 'Floradise', AM/AOS (80 points)



May 2, 1991

Five flowers on two inflorescences; flowers lime green, overlaid mauve; sepals and petals heavily spotted mahogany; lip, side lobes and column cream colored, striated fuchsia; substance waxy, texture lustrous.

Nat. spr 12.0 ns vert 11.7 dsw 2.0 dsl 6.8
 petw2.0 petl 6.4 lsw 2.0 lsl 5.6 lipw 4.5 lip l 5.7
 synsepalw 0.0 synsepall 0.0 pouchw 0.0 pouchl 0.0

Blue Ridge Orchid Society Show
Roanoke, Virginia

Exhibitor: Floradise Orchids

Hybridizer:

Entryno:19911368 Slide ID:D7748 Published 199203

Photog:

[Back](#)

[Top](#)

[Prev](#)

[Next](#)

[Bottom](#)

[Print Pg](#)

C. schilleriana var. superba

Orquídea

More varieties

- C. schilleriana* var. *amaliana*
- C. schilleriana* var. *concolor*
- C. schilleriana* var. *dulcotensis*
- C. schilleriana* var. *lowii* (*coerulescences*)
- C. schilleriana* var. *schilleriana*

Awards



The AOS judges have distinguished *C. schilleriana* 80 awards in 42 years, the first award was JC in 1957 and the last in September 2010 in Brazil to *C. schilleriana* "Anna Maria" AM / AOS (85 points).

These awards are distributed among 46 AM, 24 HCC, five CCM, one CHM and 4 JC.

April 20

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Progeny

Their descendants were more than 3,965 until 2010, but hundreds of hybrids have been registered in 2011, totalling 4,509 in 11 generations, and 775 of them have been distinguished.

11 Generations of Progeny				
G	Grexes	Awdd.	% Awdd.	Awds
1	96	14	14.6%	37
2	137	6	4.4%	17
3	217	6	2.8%	8
4	536	46	8.6%	121
5	740	85	11.5%	154
6	1,018	86	8.4%	158
7	1,109	91	8.2%	161
8	412	42	10.2%	71
9	178	23	12.9%	41
10	60	5	8.3%	7
11	6	0	0%	0

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Outstanding *C. schilleriana*



C. schilleriana var. *coerulea* 'Orchidglade' CCM /AOS (93 points) 1996



C. schilleriana 'Francisco' AM/AOS (82 points) 2010

Orquídea



C. schilleriana 'Memoria Maria Kolmer' AM/AOS (84 points)



C. schilleriana 'OrquidaRio' AM/AOS (84 points)

April 20

Orquídea



C. schilleriana 'Hector Alvarez' AM/AOS (84 points) 2001



a
Cha'AM/
(83 points)

'Southern
AOS
2010

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C. schilleriana 'Southern Charm' AM/AOS(83 points) 2010
Charm'AM/AOS(83 points)2010

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The most distinguished hybrid



Rlc. Wainae Leopard 'Chin Hua'



C. Corcovado (F3)



Rlc. Durigan (2005) 38 awards (F4)

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Rhyncholaeliocattleya [Rlc.] Durigan (Rlc. Waianae Leopard x C. Corcovado)

Family
Text Tree Sander

Prof.

Click Label:
* Right-mouse Click -> Expand
* Left-Mouse Click -> Profile

Rlc. Waianae Leopard

Rlc. Peach Cobbler

C. Penny Kuroda

C. Corcovado

Rlc. Waikiki Gold

C. guttata

Rlc. Pink Surprise

C. forbesii

C. Summer Snow

C. Bebe White

C. Clementine Goldfarb

C. guttata

C. aelandiae

C. loddigesii

C. Brabantiae

C. Kerchoveana

C. schofieldiana

C. schilleriana

C. Pão de Açúcar

C. Brabantiae

C. aelandiae

C. loddigesii

April 20

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F1 Most awarded



C. aclandiae



C. schilleriana



C. Peckhaviensis (1910) 12 distinctions

In this *Peckhaviensis* the base lip color cannot be noticed since the overlaid color is very intense (magenta).

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C. granulosa

C. schilleriana



April 20

***C. Resplendens* 'Plum Duff'(1900) (F1) 6 x awarded**

***A guttata* hybrid of *granulosa* in which it can be seen how *granulosa* improves the *schilleriana* segments and undulations.**

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Evy. Phoenix



C. schilleriana



***Encyleyvola .Grapelade* (1961) (F1) awarded 4 times**

Phoenix improves color and size and also increases the dominating purple veins on the lip.

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C. schilleriana



C. Cognac



C. Schillac 'Winston' un AM de 77 points

C. Cognac improved form of *schilleriana* in *C. Schillac 'Winston'*

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April 20

Orquídea



C. schilleriana



E. tampensis



Cty. Max Pavich (F1) 1 AM

The first x *E tampensis* Catyelia. Max Pavich 1 AM

4 flowers on each of the two rods. Sepals and petals are dark purple / brown; lip white and superimposed a dark red with white side lobes; dark red streaks in the throat.

April 20

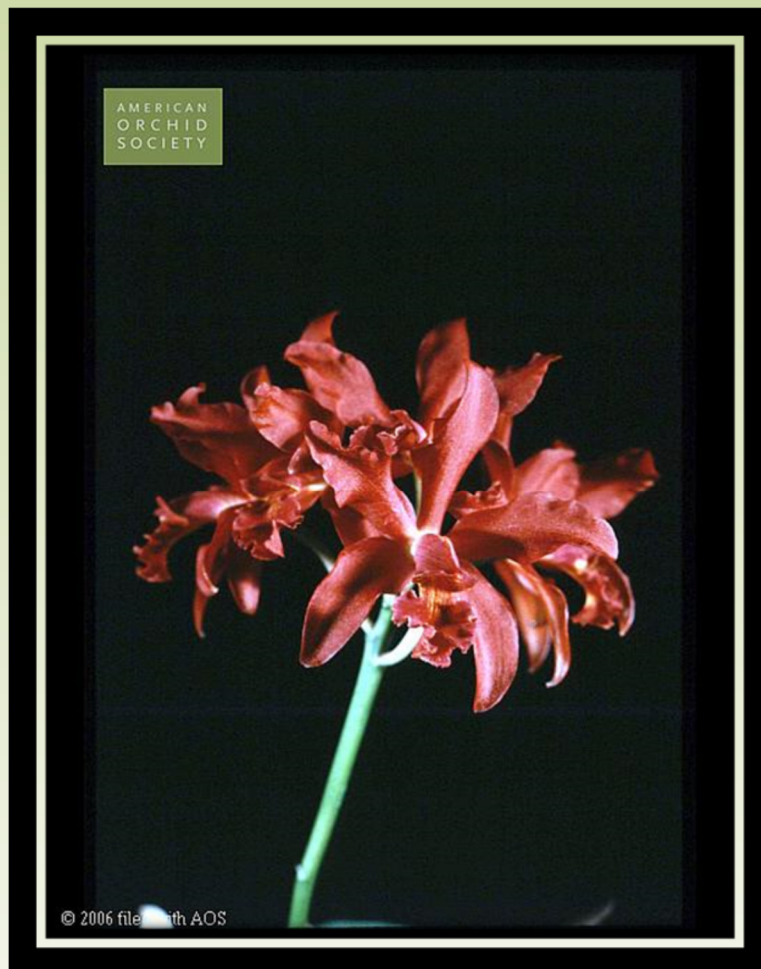
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C. milleri



C. schilleriana



C. Lupaul (1904) 2 x awarded.

Six flowers in an erect inflorescence; sepals and petals red, slightly curved. Fringed lip, red, veined to yellow. Good substance. Waxy texture.

April 20

Orquídea



C. Thospol Spot



C. schilleriana



C. Pradit Spot 'Black Princess' AM/AOS(2003)

April 20

Orquídea



C. Landate



C. Pradit Spot



C. Chris Gentes (F2)

April 20

Orquídea

CONCLUSION

The good qualities that *C. schilleriana* passes to its hybrids are:

- good number of flowers 3.9 flowers and buds per inflorescence on average with a natural average extension of 10.4 cm.,
- A natural arrangement with good spacing between flowers.
- The lip, as I mentioned previously, is its most striking feature and contributes to its hybrids, a variety of remarkable colors are added,
- we can see its shiny waxy substance that passes to its hybrids, especially the primary ones (F1), its texture is very firm, its flowers are fragrant and long-lasting.

The factors that we must take into account when we hybridize with *C. schilleriana* are that its flowers expand or open about 75%, are cup-shaped and the sepals and petals are similar, wavy in their margins and sloping backwards in the tips; a dominant feature. Also the patterns of the fuchsia (magenta) lip veins are dominant. When we are judging hybrids of *Cattleya schilleriana* we have to take this characteristic into consideration, especially in (F1), first generation hybrids.

According AOS *C. schilleriana* is one of the most under-appreciate gems of *Cattleya* alliance, if not the entire orchid family”.

But in my opinion it is one of the best *Cattleyas*, a true work of art!

April 20

Orquídea

ACKNOWLEDGMENT

We thank

EDGARDO PAUNETO

for sharing with us his study on

CATTLEYA SCHILLERIANA

About Orquídea, the newsletter of the Peruvian Orchid Society.

We hope you enjoyed reading Orchid, now in its 86th edition. Our goal is to keep our friends around the world informed about the enormous diversity of orchids, their cultivation and reproduction, and the activities of our society.

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April 20