

## Building Block Species Report

### ***Psychopsis papilio* (Lindl.) H.G.Jones**

#### **Synonyms**

- *Oncidium papilio* Lindl. in Bot. Reg. 11: t. 910 (1825)
- *Oncidium palilionaceum* Philippi in Voy. Agron. Angleterre: 101 (1830)
- *Oncidium papilio* var. *albiflorum* Rchb.f. ex Lindl. in Fol. Orchid. 6-7: 56 (1855)
- *Oncidium papilio* var. *latourae* Broadway in Orchid Rev. 35: 109 (1927)
- *Oncidium papilio* f. *latourae* (Broadway) A.D.Hawkes in Orchid J. 1: 281 (1952)
- *Oncidium papilio* var. *limbatum* Hook. in Bot. Mag. 66: t. 3733 (1839)
- *Oncidium papilio* var. *majus* F.Buys. in L'orchidophile; Traité Théor. & Prat.: 428 (1878)
- *Psychopsis latourae* (Broadway) H.G.Jones in Bol. Soc. Portug. Ci. Nat. 16: 77 (1976)
- *Psychopsis papilio* var. *albiflora* (Rchb.f. ex Lindl.) Lückel & Jenny in Orchidee (Hamburg) 50: 47 (1999)
- *Psychopsis papilio* var. *latourae* (Broadway) Lückel & Braem in Orchidee (Hamburg) 33: 6 (1982)
- *Psychopsis papilio* f. *latourae* (Broadway) Lückel & Jenny in Orchidee (Hamburg) 50: 47 (1999)
- *Psychopsis picta* Raf. in Fl. Tellur. 4: 40 (1838)

*Psychopsis papilio* can be found in Trinidad, Venezuela, Colombia, Ecuador and Perú. In Venezuela, distribution extends through the northern provinces of Carabobo, Lara, Mérida, Miranda and Trujillo growing at 2,600 to 3,900 feet above sea level.

According to OrchidWiz X9.1 Pyp. *papilio* earned worldwide 111 awards and 78 AOS awards. It has 26 first generation offspring and 41 total progenies. Among the awarded plants there are the following yellow form:



*Psychopsis papilio* var. *alba* 'Carib' HCC/AOS (78 points)



*Psychopsis papilio* var. *latourea* 'Golden Monarch' AM/AOS (80 points)



*Psychopsis papilio* f. *aurea* 'Carib' HCC/AOS (82 points)

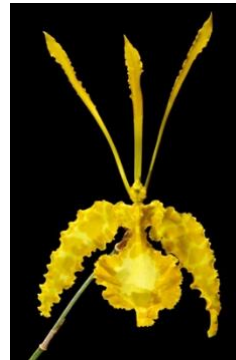
*Pyp. Kalihi* (*Pyp. krameriana* x *Pyp papilio*) is on top of the list with most offspring and also it shown the most awards. I think the most important improvement of *Pyp. Kalihi* is the increase of the numbers of flowers and the intensity of the color. Despite been awarded 42 times, *Pyp. Kalihi* was not been used to much for producing hybrids, according to the records, it just shown 12 total progenies.

*Pyp. Butterfly* (*Pyp. sanderae* x *Pyp papilio*) created in 1969 earned 19 awards, backcrossing with *Pyp. papilio* produced *Pyp. Mendenhall*, it is the second most awarded from the *Pyp. papilio* first generation. Observing *Pyp. Mendenhall* there is a significant improvement on petals and lip over its parents, particularly the *Pyp. Mendenhall* 'Hildos' FCC/AOS is described as well presented, unusually flat. Also, it mentioned the leaves of heavy substance. I wonder if this is a polyploid plant?

Worth mentioned are the yellow clones, *Pyp. Mendenhall* 'Rogan's Gold' AM/AOS (82 points) and *Pyp. Mendenhall* 'Yellow Butterfly' AM/AOS (81 points), we can infer that the *Pyp. papilio* used was a yellow clone.



*Psychopsis* Mendenhall 'Hildos'  
FCC/AOS (90 points)  
*Psychopsis* Butterfly x *Psychopsis*  
*papilio*  
Photo: Liner Ernest



*Psychopsis* Mendenhall 'Rogan's Gold'  
AM/AOS (82 points)  
Photo: Maurice Marietti

Despite being part of the Oncidium and having traits like sequential flowering, unique flower shape, long flower spike there are few intergeneric crossed. One of the probable reasons should be genetic. Before I start research for this report, I wonder what interesting hybrids can yield using *Psychopsis* crossed with *Miltonia*, *Brassia* and others *Oncidiinae* members?

See table below there are some intergeneric hybrids made using species of the genera *Trichocentrum*, *Brassia*, *Aspasia*, *Rossioglossum* and *Miltonia*.

Table – *Psychopsis* intergeneric hybrids (year, offspring and awards)

Seed		Pollen	Hybrid	Year	Offspring	Awards
Pyp. krameriana	x	Pyp. Papilio	Pyp. Kalihi	1945	10	42
Pyp. Butterfly	x	Pyp. Papilio	Pyp. Mendenhall	1988	6	30
Pyp. Papilio	x	Pyp. Kalihi	Pyp. Mariposa	1972	1	24
Pyp. sanderae	x	Pyp. Papilio	Pyp. Butterfly	1969	3	19
Pyp. Mendenhall	x	Pyp. Papilio	Pyp. Memoria Bill Carter	1995	3	18
Pyp. Papilio	x	Trichocentrum stacyi	Psychocentrum Kristi Leigh	1979	0	4
Pyp. Papilio	x	Pyp. versteegianum	Pyp. Pavane	1994	0	1
Pyp. Papilio	x	Pyp. Memoria Bill Carter	Pyp. Magnolia Bulloonr	2005	0	1
Pyp. Mariposa	x	Pyp. Papilio	Pyp. Islander's Butterfly	1987	0	1
Pyp. Papilio	x	Trichocentrum lanceanum	Psychocentrum Kulow	1958	0	1
Pyp. Papilio	x	Aspasia lunata	Aspopsis Rio Luna	1974	0	0
Pyp. Papilio	x	Aspasia epidendroides	Aspopsis Mindi Coffman	1979	0	0
Pyp. Papilio	x	Brassia maculata	Psychassia Supreme	1959	0	0
Pyp. Papilio	x	Brassia caudata	Psychassia Thai Dancer	1961	0	0
Pyp. Papilio	x	Brassia gireoudiana	Psychassia Memoria Cecil Robinson	1983	0	0
Brassia Falling star	x	Pyp. Papilio	Psychassia Isabelle	1994	0	0
Pyp. Papilio	x	Grandiphyllum divaricatum	Psychocidium Memoria Hermann Kerker	2020	0	0
Miltonia clowesii	x	Pyp. Papilio	Psymiltonia Rio's Star	1973	0	0
Psychopsiella limminghei	x	Pyp. Papilio	Psychopsychopsis Holm's Little Butterfly	2012	0	0
Pyp. Papilio	x	Rossioglossum krameri	Rossiochopsis Katie	1982	0	0
Rossioglossum ampliatum	x	Pyp. Papilio	Rossiochopsis Vizir	1939	0	0
Pyp. Papilio	x	Trichopilia marginata	Psychopilia Don Carlos	1966	0	0
Pyp. Papilio	x	Trichocentrum tigrinum	Psychocentrum Gold	1959	0	0



*Psychocentrum* Kristi Leigh 'Mary' AM/AOS (81 points)  
*Psychopsis papilio* x *Trichocentrum stacyi*

## References

- Braem G.J. 1998. The Genus *Psychopsis*. *Orchids*. Vol. 67 (6): 606.
- Orchidwiz Encyclopedia X9.1
- [www.orchidspecies.com](http://www.orchidspecies.com).
- [www.wcsp.science.keew.org](http://www.wcsp.science.keew.org)