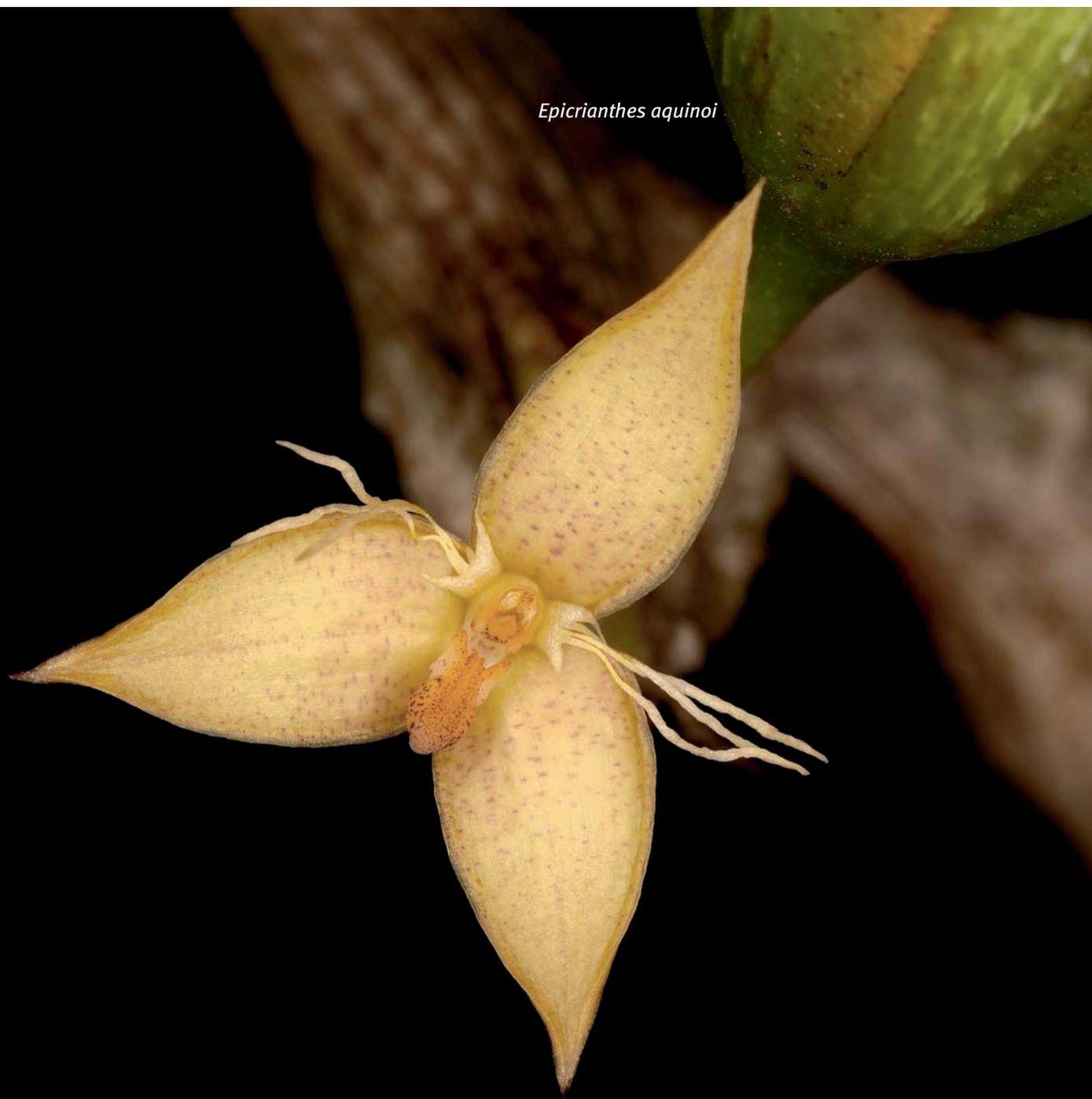


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Epicriantes aquinoi

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Jim COOTES, Miguel David DE LEON & Mark Arcebal NAIVE

Summary: A new species of the genus *Epicriantes* is described as *Epicriantes aquinoi*.

Keywords: Philippines, *Epicriantes aquinoi*.

A New *Dendrobium* (Orchidaceae) species from Mindanao, Philippines page 5

Jim COOTES, Miguel David DE LEON & Mark Arcebal NAIVE

Summary: A new species of the genus *Dendrobium* is described as *Dendrobium lydiae*.

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A New *Epicriantes* (*Orchidaceae*) species from Mindanao, Philippines

Jim COOTES, Miguel David DE LEON & Mark Arcebal NAIVE

Abstract: A new *Epicriantes* (*Bulbophyllinae*) species from northern Mindanao recently flowered in the collection of Dr. Miguel David DE LEON. A search of the relevant literature for the Philippines and her neighbouring countries was conducted and no matching species could be found. We take this opportunity to name this species as *Epicriantes aquinoi* COOTES, M.D. DE LEON & NAIVE.

One never ceases to be amazed, at the continuous parade of previously undescribed species being found in northern Mindanao. We have here the fourth species from the genus *Epicriantes* Blume, to be found in The Philippines. The first author knows of at least two more undescribed *Epicriantes*, both from northern Mindanao, but he does not have material from which to make the necessary botanical descriptions.

Epicriantes aquinoi COOTES, M.D. DE LEON & NAIVE **sp. nov.** **Type:** Philippines, Mindanao, Misamis Oriental, May 21st, 2016. **MDL 001/2016.** **Holotype:** CMU 00010802

Growth habit: sympodial, pendent, branching epiphyte, reaching lengths of over 60 cm. **Rhizome:** terete, covered with persistent, papery sheaths;

bearing the pseudobulbs at intervals of between 5 mm to 2.5 cm. **Pseudobulbs:** curved, four-sided, bearing a single leaf. **Leaves:** leathery, broadly ovate, apex acute, from 2.5 to 6 cm long by 1.3 to 3 cm wide, edges recurving slightly. **Inflorescence:** single-flowered, appearing from the base of the pseudobulb. Several flowers can appear from the same pseudobulb, both simultaneously and on different occasions. **Flower colour:** yellow, marked with pale brown spots. **Labelum** orange with reddish-brown spots. **Appendages** to petals cream. **Dorsal sepal:** narrowly ovate, apex acute, slightly concave, to 6.5 mm long by 3 mm wide. **Petals:** oblong, with a triangular apex at each end. Centrally there are three flattened, glabrous, appendages to 6 mm long by .75 mm wide. **Lateral sepals:** narrowly ovate, apex acute, slightly concave, to 6.5 mm long by 3 mm wide. **Labellum:** fleshy, mobile, centrally grooved, lobes rounded, to 2 mm long by 1 mm in diameter. **Column:** short, stout, bearing four stelia, the upper pair triangular and pointing forward; the lower pair being semi-circular and pointing downwards. **Pedicel and ovary:** ridged longitudinally, tapering gradually, 1.2 mm in diameter by 8 mm long.

Habitat and Distribution: *Epicriantes aquinoi* is endemic to the Philip-

ippines, and has so far only been found in Bukidnon province on Mindanao. It grows as an epiphyte, in open forest at elevations of about 1,220 metres.

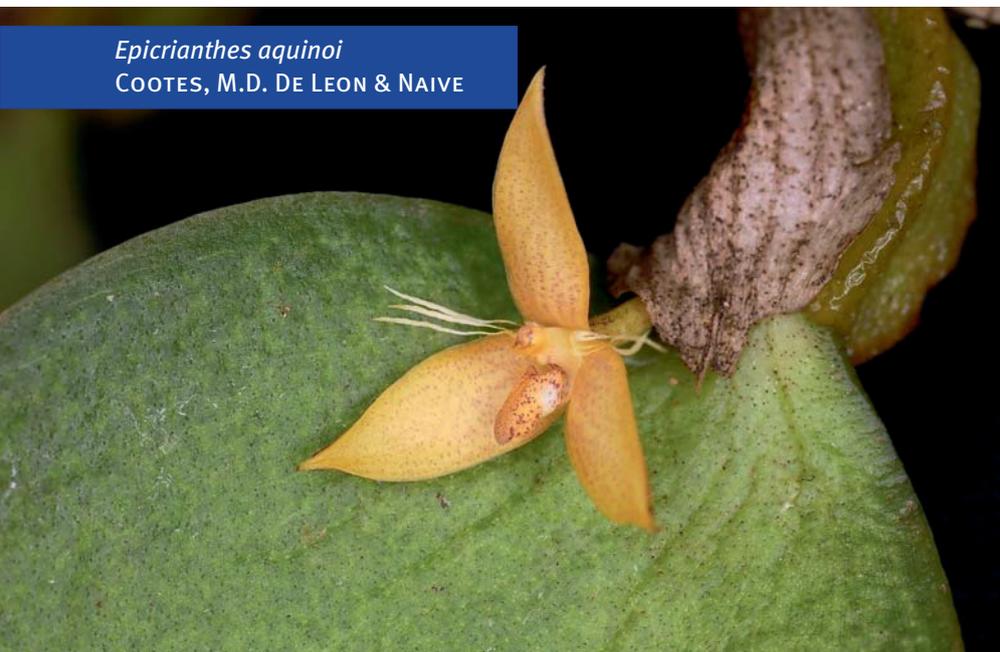
Comparison: *Epicriantes aquinoi* COOTES, M.D. DE LEON and NAIVE can be compared to *Epicriantes glebodactyla* SUAREZ and COOTES, but it differs in the shape and number of petal appendages (three vs ten), and the much narrower dorsal and lateral sepals. *Epicriantes aquinoi* COOTES, M.D. DE LEON and NAIVE can also be compared to *Epicriantes davidii* COOTES & BOOS, but differs by the number of the appendages, and shape of the stelia on the tip of the column.

Etymology: Named in honour of Benigno 'Noynoy' AQUINO III, 15th President of the Philippines.

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Jim COOTES
8 Saltpan Road
RiverWood, NSW
Australia, 2210.

Miguel David DE LEON
Department of Ophthalmology,
Cagayan de Oro Medical Centre,
Tiano cor. Nacalaban Sts.,
Cagayan de Oro
Misamis Oriental, Philippines 9000

Mark Arcebal K. NAIVE
Purok 5, Dologon, Maramag
Bukidnon, Philippines

A New *Dendrobium* (*Orchidaceae*) species from Mindanao, Philippines

Jim COOTES, Miguel David DE LEON & Mark Arcebal NAIVE

Abstract: A new *Dendrobium* species from northern Mindanao recently flowered in the collection of the second author. A search of the relevant literature for the Philippines and her neighbouring countries was conducted and no matching species could be found. We take this opportunity to name this species as *Dendrobium lydiae* COOTES, M.D. DE LEON & NAIVE.

One never ceases to be amazed, at the continuous parade of previously undescribed species being found in northern Mindanao. It is, without a doubt, the mountainous nature of the provinces here, which provide such a wide range of microclimates, and ecological niches, where new species seem to remain, hidden away, awaiting discovery.

Dendrobium lydiae COOTES, M.D. DE LEON & NAIVE **sp.nov.** **Type:** Philippines, Mindanao, Misamis Oriental, May 27th, 2016. **MDL 014/2016.** **Holotype:** CMU00010803

Growth habit: sympodial, upright to pendent epiphyte. **Stems:** basally terete, to 1.5 cm long by 1.5 mm in diameter, gradually enlarging cylindrically into two nodes, which are constricted centrally, with a total length



Dendrobium lydiae
COOTES, M.D. DE LEON & NAIVE

of approximately 4 cm by 1.4 cm in diameter. Stem above flattened, up to 20 cm long by 6 mm wide. **Leaves:** flattened, distichous, sharply pointed, to 4.2 cm long by 5 mm wide. **Inflorescence:** single flowered, usually terminal or sub-terminal, appearing from short bracts. **Flower colour:** pure white; labellum is white with purple veins on the side lobes, there is a greenish blotch on the centre of the mid lobe. Ovary green, pedicel pink. **Dorsal sepal:** ovate, apex acute, 1.1 cm long by 5 mm wide, three-veined.

Petals: lanceolate, 1 cm long by 4 mm wide, single veined. **Lateral sepals:** broadly falcate, 1.3 cm long by 6 mm wide, forming a short mentum. **Labellum:** three lobed, 1.2 cm long by 7 mm wide; side lobes rounded; mid lobe broadly ovate; there is a small patch of hairs on the mid lobe. **Pedicel and ovary:** ridged longitudinally, tapering gradually, 1.2 mm in diameter by 7 mm long.

Habitat and distribution: *Dendrobium lydiae* is recorded from the province of Bukidnon, in the Philippines, where it grows in exposed localities, as an epiphyte at about 1,200 metres elevation. There is no discernible fragrance.

Comparison: *Dendrobium lydiae* is a rather unique member of section *Crumenata*. The flowers generally resemble those of *Dendrobium mindanaense* RCHB.F., from section *Strongyle*, but they differ in the flattened leaves, and the very differently shaped labellum.

Etymology: It is our great pleasure to name this beautiful species in honour of Mrs. Lydia CHUA YAP, grandmother of Emiliano YAP ILL, tycoon, patron, and an orchid conservationist in the Philippines.

Dendrobium lydiae
COOTES, M.D. DE LEON & NAIVE



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Miguel David DE LEON
Department of Ophthalmology,
Cagayan de Oro Medical Centre,
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Cagayan de Oro
Misamis Oriental, Philippines 9000

Mark Arcebal K. NAIVE
Purok 5, Dologon, Maramag
Bukidnon, Philippines

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