

# ***Embreea herrenhusana* (Jenny) Jenny**

Australian Orchid Review 67(1):13–14.2002

## Type:

Colombia, sin. loc., col. HUBEIN, ex cult. Herrenhäuser Gärten Hub.4/76 Typ.1 (holotype **G**, isotype **Herb. Jenny**)

## Basionym:

*Embreea rodigasiana* var. *herrenhusana* Jenny; Australian Orchid Review 66(1):2001.22 - 24

## Description:

**Plant** epiphytic with creeping rhizome and clustered growths. Pseudobulbs rectangular to ovoid, grey-green, quadrate in cross-section 3.5 – 4 cm high and 3 – 3.5 cm wide, always unifoliate. Leaves grey-green, petiolate, broadly lanceolate, plicate and acute, 20 – 35 cm long and 12 – 15 cm wide, petiole round and one-sidedly notched, 15 – 18 cm long. **Inflorescence** directed downwards from the base of the bulb, up to 25 cm long and always with a single flower. Entire inflorescence covered by large, spread out broadly triangular and acute bracts.

**Ovary** to 10 cm long and 0.4 – 0.6 cm in diameter, very finely black pilose. **Flowers** 12 – 14 cm large in all, sepals and petals creme to light yellow, with dark red and large spots on the inside of the sepals. Lip golden creme to light yellow, covered with fine dark red spots. Column creme to light yellow with red spots.

**Dorsal sepal** lanceolate, concave, acute, 8 – 8.5 cm long and 3.5 – 3.8 cm wide at the broadest part. **Lateral sepals** lightly asymmetric, broadly lanceolate, acute, 8.5 – 9 cm long and 3.5 – 4 cm wide at the broadest part in the basic third, spread sideways, connate at the base for 2 cm. **Petals** long-triangular, acute, undulate, 8 – 8.5 cm long and 1.8 – 2 cm wide at the base.

**Lip** 8 – 8.5 cm long in all and 1.5 cm (hypochile) wide, hypochil only a bit wider than epichil, attached to a narrow and short column foot, flat at base, with round bottom in front, distinctly dented in the middle, opening

## ***Embreea herrenhusana* (Jenny) Jenny stat.nov.**

Ab *Embreea rodigasiana* differt pede columnae multo brevior, hypochilio ovali (non rectangulari), callo medio tridentato (non unidentato).

**Basionym:** *Embreea rodigasiana* var. *herrenhusana* Jenny, *Australian Orchid Review* 66(1):2001.22 – 24

**Type:** Colombia, Choco, col. Hubein s.n., ex cult. Herrenhäuser Gärten Hub.4/76 Typ.1 (holotype **G** & isotype **Herb. Jenny**)

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15 cm wide, petiole round and notched on one-side. 15 – 18 cm long. **Inflorescence** directed downwards from the base of the bulb, up to 25 cm long and always with a single flower. Entire inflorescence covered by large, spread out broadly triangular and acute bracts. **Ovary** to 10 cm long and 0.4 – 0.6 cm in diameter, very finely black pilose. **Flowers** 12 – 14 cm large in all, sepals and petals creme to light yellow, with dark red and large spots on the inside of the sepals. Lip golden creme to light yellow, covered with fine dark red spots. Column cream to light yellow with red spots.

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at the base.

**Lip** 8 – 8.5 cm long in all and 1.5 cm (hypochile) wide, hypochile only a bit wider than epichile, attached to a narrow column foot, flat at base, with round bottom in front, distinctly dented in the middle, opening short-rectangular, bridge long, narrow at base, triangular in front, ending in a callus with three long, sharp bristles, outer edge at hypochile sharply triangular at base and not bent. Transition to mesochile smooth. Horns broad and flat in cross-section at the base, ending in front in very long, sharp bristles and towards base in an elongated tooth. Epichile thick and elongated triangular with a distinct hump near the base.

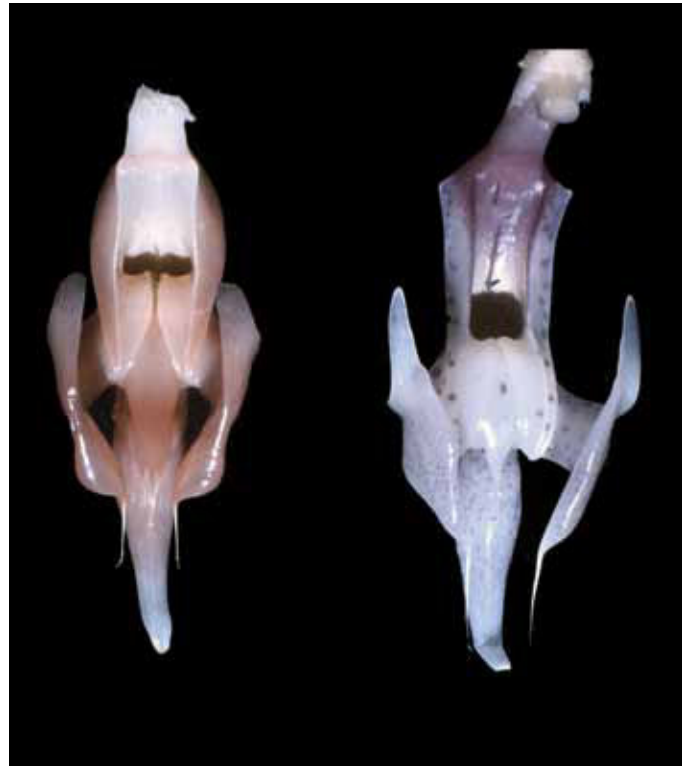
**Column** slender and curved at base, in the front half straight and broadly triangular winged, at the apex ending both sides of the anther in two triangular, somewhat protruding small horns. 7.5 – 8 cm long and 1.5 – 1.7 cm wide at the broadest part on both sides of the pollinarium with long bristle (0.6 cm).

**Pollinia** 2, narrow, club-shaped on narrow stipes and ovate, one-sidedly extended viscidium, pollinia 0.2 cm long, entire pollinarium 0.5 cm long.

First description of *Embreea herrenhusana* from Australian Orchid Review, 2002



Lateral view of the lips of *Embreea herrenhusana* (left) and *Embreea rodigasiana* (right) (from preserved material)



Ventral view of the lips of *Embreea herrenhusana* (left) and *Embreea rodigasiana* (right) (from preserved material)



Lip of *Embreea herrenhusana*

short-rectangular, bridge long, narrow at base, triangular in front, ending in a callus with three long, sharp bristles. Outer edge at hypochil sharply triangular at base and not bent. Transition to mesochil smooth. Horns broad and flat in cross-section at the base, ending in front in very long, sharp bristles and towards base in a elongated tooth. Epichil thick and elongated triangular with a distinct hump near the base.

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**Pollinia** 2, narrow, club-shaped on narrow stipes and ovate, one-sidedly extended viscidium, pollinia 0.2 cm long, entire pollinarium 0.5 cm long.

**Variability:**

We know only a few clones of this species in culture, they are identical in morphology and almost identical in color

General remarks:

Some years ago I received pickled flowers and slides from several clones of *Embreea rodigasiana* from the famous collection of the Herrenhäuser Gärten in Hannover, Germany. One of the plants was quite different from the others in the morphology of the lip. It was collected by Günter HUBEIN, a German orchid collector and grower, 1976 in the Choco in Colombia. HUBEIN took quite a number of *Embreea rodigasiana* back to Germany. Two of those ended in Herrenhausen, one normal *Embreea rodigasiana* and one of *Embreea herrenhusana*, obviously both species are growing in the same area. The responsible gardeners in Herrenhausen, Wilfried SCHMIDT and Lothar DOERLITZ have been aware of this aberrant clone for many years. Because only one plant was available, a description as own species was not realistic but since the morphological differences were so clear, I decided to name the plant as *Embreea rodigasiana* var. *herrenhusana* in 2001. Shortly after the publication I got material and slides of an identical plant from an entirely different source, collected again in the Choco by Jose PORTILLA, bought in Stuttgart by DESCHAEVER in 1996 and cultivated later by Jean-Marie VANDERWINDEN in Belgium. Fortunately enough this clone seemed to be easy to grow, several divisions are today in different collections, so in the National Stanhopea collection of Dick HARTLEY in England. After

a second plant was available I decided to lift *Embreea rodigasiana* var. *herrenhusana* to species rank in 2002.

Fragrance:

It is not absolutely clear but probable that WHITTEN & WILLIAMS had the «real» *Embreea rodigasiana* when they did the fragrance analysis, so we don't have any information about the fragrance of *Embreea herrenhusana*.

Pollinator:

Unknown

Distribution:

Known only from the department of Choco in Colombia, in the Choco sympatric with *Embreea rodigasiana*. Also collected on both sides of the Andes in Southern Ecuador.

Hybrids:

No hybrids have become known or are registered.

	<b>Embreea rodigasiana</b> G-199 Herb.Jenny	<b>Embreea herrenhusana</b> Hubein 4/78 Type 1, G & Herb.Jenny
<b>Column foot</b>	2.5 cm long	1 cm long
<b>Hypochile</b>	elongated retangular	elongated ovate
<b>Hypochil outer edge</b>	with two rectangular wings on both sides of hypochil base	with two rounded wings on both sides of hypochil base, bent inside below hypochile
<b>Hypochile-opening</b>	elongated rectangular	short, rectangular
<b>Bridge (Hypochile–Mesochile)</b>	closed, only on the surface with a triangular deepening	narrow but deeply separated with triangular opening in front
<b>Median-callus on mesochile</b>	extremely elongated triangular 1 cm × 0.3 cm ending in one bristle	triangular 1.5 × 0.6 cm divided in three bristles



*Embreea herrenhusana* (R. Hartley)



Another clone of *Embreea herrenhusana* (R. Hartley)



Another clone of *Embreea herrenhusana* (I. Pape)