NEW ADDITIONS TO THE ORCHID FLORA OF TAIWAN

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Abstract: Two species of native orchids are listed as new for Taiwan. They are Corphas teinconensis T.P. Lin et S.Y. Leu and Bullophyllum rubvolobellum T.P. Lin. The genus Corphas appears as newly recorded to Taiwan. A Chinese name is given for each species and two detailed line drawings are presented.

Corybas taiwanensis T. P. Lin et S. Y. Leu, sp. nov. Plate 1 紅盔閣

Plantula nana; tubera solitaria, globasa, 3-4 mm longa, 3 mm latz; caulist tenuis,
2, 3 m longis, un'angian membranaco arcte ampletente erantus; (olium cordatoovatum, acutum, 15-em longum 15-em latum, reliculato-nervatum, utrireque glabrum,
erantus, 15-em longum 15-em latum, reliculato-nervatum, utrireque glabrum,
erantus, erantus,

Small terrestrial herb; roots elemér; tuber roundish, 3-4 mm by 3mm; stem erct, terete, clearly divided into 2 separate parts with a node between them; the subterranean part pilose, 15-cm long, 1-12 mm in diameter; the above ground portion dipriorus, about 1.7 cm long, 1.5 mm in diameter and with a scale-like cataphyll on its node; leaf solitary, cardate, acute, 1.5 cm by 1.6 cm, with reticulate venation; lower terminal, solitary, almost essensii, [labt violet-cet] brate larce-late acumbates, acumbate

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Plate 1. Corybas taiwanensis T.P. Lin et S.Y. Leu

in pairs, granular, 1.2 mm long, yellow; viscid disc elliptic; stigma protruding, cupular,

TAOYUAN: Nachiehshan, S.Y. Leu 2093, Aug. 4, 1974, deposited in the herbarium of National Taiwan University (type, TAI).

Bulbophyllum rubrolabellum T.P. Lin, sp. nov. Plate 2 紅心豆腐

Epiphytica: pseudobulbis compactis, ovoideis, 8-9 mm longis 6-7 mm latis, 1-flatist; folia oblogae, coriacca, 2-5-5 cm longa 8-10 mm lata, extair: sengus e basi pseudobulbi acendens, 1-cm longus, deersum 2-3-squamatus, spice floribus 6-8 in umbellam dispositus; pedicellis 2-5 mm longus; fos c. 3.5 mm longus; sepala vade subsequala, pallido-fava, oxata, 33-4 mm longa 1-6-2 mm lata, apice acumnatis; pedicellis 2-5 mm longus; fos c. 3.5 mm longus; sepala vade esubsequala, pallido-fava, cultivita, 1-5 mm longu 6-mm lata, acuta; labellum cornutum, celeranum vadie recurvatum, rubrum, 2.5 mm longum; columna pallido-fava, 1 mm longum; columna pal

Small epiphyte; pseudobulbs close together, ovoid, 8-9 mm by 6-7 mm, greenish; leaf soiltary, oblong, 25-33 cm by 8-10 mm, acute, coriaccous; scape arising from the base of pseudobulb, about 1/3 length of the plant, to 1.5cm long; sheath-bracts 2-3; flowers 6-8, in a compact umbel, facing all around, not resupinate, whitisher yellow; pedical and ovary 25 mm long, longer than the foral bract: senals sub-souls.



Plate 2. Bulbothvilum rubrolabellum T. P. Lin

ovate, 3.5-4 mm by 1.6-2 mm, acuminate; petals elliptic, 1.5 mm by 0.6 mm, acute; lip tongue-shaped, 2.8 mm long, red, recurved, hinged to the end of the column-foot, with minute papillae covering the surface; column short, whitish-yellow, about 1 mm long, with forward-pointing narrow arms, about 0.6 mm long; pollinia 2, ovoid, 0.4 mm long, yellow,

MIAOLI: Yangmeishan, (苗菜糕 福敞山) T.P. Lin 129, Oct. 25, 1972, (type, TAI) an epiphyte on trunk of tree about 700-1,000 m. Nandawushan, (南大武山) T.P. Lin 234, Sept. 10, 1974.

This is the first species of Bulbophyllum that we have found which has its flowers arranged in a terminal head-like inflorescence,

Explanation of Plate

- 1. plant body and inflorescence
- 3. front view of flower
- 5. lateral sepal
- '7, floral bract
- 9, ventral view of column
- 11, dorsal view of anther cap 14. ventral view of pollinia

- 2. side view of flower 4. upper senal
 - 6. petal
 - 8. dorsal view of column 10, side view of column
 - 13. dorsal view of pollinia
 - 16. top view of lip 19. column and lip