

Studia Orchidacearum Japonicarum VII*

Orchidaceae Formosanae Novae Atque Criticae

auctore

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57) *Cymbidium Syunitianum* FUKUYAMA, sp. nov.

Terrestre, erectum, 40–66 cm. altum, caulescens, rhizomate valde abbreviato, radicibus incrassatis teretibus c. 4–7 mm. diametentibus elongatis rectiusculis rigidis in exsicco rugulosis, caulibus elongato-cylindraceis omnibus vaginis acuminatis nervosis amplectentibus.

Folia c. 4, ad apicem caulis alternatim fasciculata, erecto-patentia, oblanceolata, apice acuta vel acuminata, basi ad petiolum longe decurrentia, margine integra, tenuiter coriacea, lamina 20–30 cm. longa, supra medium 4–5 cm. lata, utrinque glabra, 3–5-nervata, ad nervos subtus elevata supra laevia, inter nervos multi-venulosa.

Scapus e basi caulis oriundus, simplex, strictus, glaber, viridescens, prope basin pedicellorum violaceus, c. 25 cm. longus, superiore sublaxe c. 10-floratus, inferiore pauci-vaginatus, bracteis lanceolato-linearibus apice acuminatissimis basi non contractis inferioribus c. 2.5 cm. longis superioribus sensim minoribus viridescens glabris multi-nervatis.

Flores apertientes, viridescens, glabri, haud odorati, pedicellis cum ovariis rectis vel curvatis glabris viridescens quam bracteis paullo vel diplo longioribus. Sepala patentia, glabra, in vivo viridescens, rigidiuscula, aequilonga, aequilata, subaequiformia, 5-nervata, sepalo intermedio lineari-oblongo apice acuto ad basin vix attenuato c. 3 cm. longo medio c. 6 mm. lato, sepalis lateralibus intermedio similibus sed plus minusve obliquis. Petala columnam solete amplectentia, recta, oblique ligulata, ad summam acutiuscula, basi paulo contracta, margine integra, quam sepala paullo breviora latioraque, viridescens, intus medio violaceo-lineata, glabrata.

Labellum quam petala paullo brevius, columnam amplectens, circuito ovato-lanceolatum, infra medium paullo curvatum, anteriore rectum, basi rotundatum, e medio apicem versus sensim caudato-angustatum, parte caudata margine inaequilaterale revolutum, ad summam acutum, infra

* Continued from Bot. Mag. (Tokyo), 49 (1935), 444.

59) **Habenaria cirrhifera** OHWI, in Acta Phytotax. ex Geobot. I. (1932) p. 141.

Nom. Jap. Ryûkyû-sagisô.

Hab. Formosa; praef. Sintiku, in silvis monte Kappan-zan c. 400 m. alt., (M. SIMADA! Nov. 1929. no. 4727); praef. Taihoku, in laurisilvis monte Daitô-zan c. 500 m. alt., (N. FUKUYAMA! Apr. 11, 1934. no. 4729), in laurisilvis monte Syô-agyoku-san, c. 400 m. alt., (SUZUKI-T. Sept. 24, 1932. no. 3726, no. 4728.)

Distrib. Formosa, Ryûkyû.

This species is a new addition to the flora of Formosa. This orchid, the type-specimen of which was collected in Liukiu archipelago is rarely found as an element of the undergrowth of Laurisilvae in the northern part of Formosa.

60) **Listera deltoidea** FUKUYAMA, sp. nov.

Terrestris, erecta vel stricta, gracillima, virens, c. 20 cm. alta, medio foliifera, infra folia glabra, supra folia plus minusve glanduloso-puberula, supra radicem interdum squama vaginante instructa, radicibus filiformibus elongatis subflexuosis vix puberulis.

Folia 2, opposita, sessilia, patentia, deltoidea, apice breve acuta, basi truncata, ad infimam brevissime cuneata, margine integra, membranacea, utrinque glabra, supra viridia, subtus pallidiora, c. 2.5–3 cm. longa, basi 2.5–3 cm. lata, venoso-nervosa.

Flores circiter 10, sublaxe dispositi, parvi, virescentes, bracteis minutis ovatis acutis glabris uninervatis, pedicellis cum ovariis subrectis glabris quam bracteis duplo vel triplo longioribus c. 2–2.5 mm. longis. Sepala ovata, apice obtusa vel acutiuscula, basi paullo contracta; c. 1.5 mm. longa, infra medium c. 1 mm. lata, concavulâ, membranacea, glabra, uninervata. Petala oblonga vel oblanceolato-oblonga, apice acuta, basin versus plus minusve angustata, sepalis subaequilonga, supra medium $\frac{1}{2}$ – $\frac{2}{3}$ mm. lata, membranacea, glabra, uninervata.

Labellum paullo crassius, glabrum, patens, dependens, ambitu longe cuneatum, c. 4 mm. longum, ad infimam plus minusve sagittatum, sursum sensim paullo dilatatum, medio vel supra medium divaricato-bilobatum, inter apices loborum ca. 2 mm. latum, lobis apicem versus attenuatis acuminatis. Columna subrecta, c. 1 mm. longa.

Nom. Jap. Misumi-butaba-ran (nov.)

Hab. Formosa; praef. Sintiku, in silvis monte Sôten-zan, c. 1000 m. alt., (K. SEGAWA! Feb. 15, 1935. no. 4730. Typus in Herb. Taihoku Imp. Univ.)