

# 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 exsiccato 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, circuitu 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.

20 cm. longis vivo 1-1.5 mm. diametentibus sublae et distiche foliatis cum vaginis foliorum toto facie obtectis sparse et minute purpureo-puncticulatis glabratis.

Folia patentia, alterna, disticha, deorsum paullo arcuata, anguste oblonga, apice oblique breveque acuta, basin versus attenuata, in petiolos breves abeuntia, 1.5-3 cm. longa, medio c. 5 mm. lata, crassa, supra viridia et medio leviter unisulcata, subtus convexa pallidioraque, utrinque glabra et non maculata.

Racemus lateralis, plerumque divaricato-bifloratus, breviter pedunculatus, pedunculis rectis c. 1 cm. longis basi pauci-squamulatis purpureo-maculatis glabris, bracteis minutis squamulis subaequiformibus subaequimagnisque triangulatis apice acutis basi non contractis glabratis.

Flores subapertientes, flavescentes vel viridi-flavescentes, rubro-fusco-maculati, inter apices sepalorum intermediorum et fundos saccorum c. 1 cm. diametentes, pedicellis rectis bracteas multo superantibus 7-10 mm. longis viridescensibus glabris. Sepala crassa, leviter, concava, glabra, flavescentia, intus rubro-fusco-maculata, sepalo intermedio elliptico apice obtuso ad basin contracto c. 5 mm. longo medio vix 3 mm. lato, sepalis lateralibus intermedio similibus sed paullo minoribus obliquisque. Petala crassa, leviter concava, glabra, flavescentia, intus rubro-fusco-maculata, obovato-oblonga, apice obtusa, basin versus angustata, sepalo intermedio subaequilonga et aequilata.

Labellum ad basin columnae sessile, hypochilio saccatum, sacco oblongo-hemisphaerico paullo complanato apice rotundato c. 6 mm. alto flavescente intus glabro purpureo-punctato ore purpurascensicolorato, epichilio late triangulato apice obtuso basi truncato margine integro vel vix irregulari 3-4 mm. longo basi c. 7 mm. lato albescenti supra medio callo viridescensiflavo purpureo-punctato instructo ad callum puberulo subtus glabro. Columna brevis, crassa.

Nom. Jap. Kintyaku-ran (nov.)

Hab. Formosa: praef. Taihoku, in *Sakakietis* dorso montis Haro, c. 1000 m. alt., (SUZUKI-T. Mart. 20, 1935. no. 4715. Typus in Herb. Orch. Fuk.)

65) ***Gastrochilus rupestris* FUKUYAMA, sp. nov.**

Epiphyticus, adpresse prostratus, radicibus e caule emittentibus filiformibus vel vermiformibus leviter flexuosis 0.5-1.5 mm. diametentibus glabris, caulibus 5-10 cm. longis vivo 1-1.5 mm. diametentibus subdense foliatis cum vaginis foliorum toto facie obtectis minute purpureo-puncticulatis glabratis.

Folia patentia, alterna, disticha, parva, elliptica, apice breve acuta.

ad basin contracta, subito in vaginas abeuntia, 8-10 mm. longa, medio 3.5-6 mm. lata, crassa, rigida, supra leviter concava et medio unisulcata, subtus convexa, utrinque purpureo-punctata vel purpureo-maculata, glabrata.

Racemus lateralis, semper divaricato-bifloratus, breviter pedunculatus, pedunculis rectis clavatis c. 5 mm. longis remote pauci-squamulatis glabris, bracteis minutis squamulis subaequiformibus triangulatis apice acutiusculis basi non contractis glabris.

Flores apertientes, viridi-flavescentes, purpureo-maculati, inter apices sepalorum intermediarum et fundos saccorum c. 1 cm. diametientes, pedicellis paullo curvatis bracteis multo superantibus 5-8 mm. longis glabris. Sepala crassa, incurva, concava, utrinque glabra, rubro-fusco-maculata, sepalo intermedio orbiculato-elliptico apice rotundato-obtuso basi contracto vix 5 mm. longo medio vix 3 mm. lato, sepalis lateralibus obovato-ellipticis paulo obliquis apice obtusis basin versus attenuatis 5-6 mm. longis medio c. 3 mm. latis. Petala crassa, leviter concava, glabra, rubro-fusco-maculata, sepalo intermedio subaequiformia, apice rotundata, basi contracta, c. 5 mm. longa, medio 3 mm. lata.

Labellum ad basin columnae sessile, hypochilio saccatum, sacco complanato-hemisphaerico apice rotundato c. 5 mm. alto intus et extus glabro, epichilio late semiorbiculato anteriore truncato-rotundato ad centrum emarginato vel cordato margine anteriore irregulariter et leviter crenulato c. 3.5 mm. longo basi c. 7.5 mm. lato supra ad medium callo instructo ad callum puberulo subtus glabro. Columna brevis, crassa.

Nom. Jap. Hisasi-kintyaku-ran (nov.)

Hab. Formosa; praef. Sintiku, Epiphytus in saxis monte Ritô-san, prope Takadai, c. 1500 m. alt., (N. FUKUYAMA! Jan. 7, 1932. no. 4716. Typus in Herb. Orch. Fuk.)

(To be continued)

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