

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.

61) **Cheirostylis nemorosa** FUKUYAMA, sp. nov.

Epiphytica, erecta, c. 9–13 cm. alta, rhizomate decumbente virente cauliformi crasso ad nodos radicante, radicibus vermiformibus dense et breve villosis. Caulis erectus, teres, glaber, ad basin 5–7-foliatus, sursum dense puberulus et ad racemum abeuns, parte inter foliiferam et floriferam 2–3-squamatus, squamis distantibus lanceolatis acuminatis amplectentibus utrinque glabris c. 2–2.5 cm. longis.

Folia erecto-patentia, ovato-lanceolata vel anguste oblonga, utrinque acuta, c. 2.5–5 cm. longa, medio c. 1–1.5 cm. lata, utraque pagine glabra, supra viridia et subnitida, subtus pallidiora, in exsiccato membranacea et rubescentia, petiolis dimidio inferiore vaginantibus cum vaginis 1.5–2 cm. longis.

Flores 3–5, in apice scapi subdense recemosi, subclausi, hirsuti, bracteis flores longitudine subexcedentibus ovato-lanceolatis apice acuminatis basi paullo contractis membranaceis glabris interdum vix pilosis, pedicellis cum ovariis rectis hirsutis utrinque paullo contractis 5–7 mm. longis. Sepalum intermedium ovato-oblongum vel triangulato-oblongum, apice acutiusculum, basi haud contractum, margine integrum, concavum, c. 8 mm. longum, ad basin c. 4–5 mm. latum, extus hirsutum, intus glabrum, membranaceum, 3–5-nervatum; sepala lateralia oblonga, apice obtusa, basi haud contracta, margine integra, c. 7 mm. longa, radio 3 mm. lata, extus hirsuta, intus glabra, membranacea, trinervata. Petala cum sepalo intermedio cohaerentia, semiobovato-oblonga vel cultriformia, ad summam acutiuscula vel subobtusa, basin versus sensim attenuata, latere superiore truncata, c. 7 mm. longa, infra apicem vix 3 mm. lata, membranacea, glabra, uninervata.

Labellum sepalo subaequilongum, augustatum, margine utrinque involutum, ad basin paullo ventricosum et intus in nervo laterali utrinque appendiculis paucis setiformibus instructum, infra apicem margine subauriculatum, apice bilobato-expansum, lobis angulo 180° a se divergentibus obovato-oblongis c. 4 mm. longis infra apicem c. 3 mm. latis apice inaequaliter crenatis latere inferiore et superiore integerrimis utrinque glabris. Columna brevis, rostello alte bipartito apice obtuso, appendicibus rostello similibus sed paullo brevioribus; anthera ovato-cordata.

Nom. Jap. Haguruma-ran (nov.)

Hab. Formosa; praef. Taihoku, in laurisilvis prope Agyoku, (SUZUKI-T.!) Mart. 29, 1932. no. 4723. Typus in Herb. Orch. Fuk.)

62) **Cirrhopetalum autumnale** FUKUYAMA, sp. nov.

Epiphyticum, decumbens, c. 20 cm. altum, rhizomate repente tereti c. 3–4 mm. diametiente lignoso, radicibus elongatis teretibus filiformibus flexuosis glabris, pseudobulbis c. 2 cm distantibus elongato-ovoideis c. 2.5 cm.

altis in vivo viridibus glabratibus apice unifoliatis basi radicanibus reliquis squamarum obtectis.

Folia erecto-patentia, oblonga vel anguste oblonga, apice rotundato-obtusa vel obtusa, basi subito attenuata, ad petiolos c. 3 cm. longos abeuntia, margine integra, c. 20 cm. longa, medio c. 4 cm. lata, crassa, in exsicco coriacea, utrinque glabra et viridia.

Scapus e basi pseudobulbi oriundus, gracilis, substriectus, quam folia longior vel brevior, glaberrimus, viridis, superiore purpurascens, remote pauci-vaginulatus, vaginulis scapum amplectentibus acutis purpureo-viridibus glabratibus.

Flores purpurei, circiter 4–6, in apice scapi umbellatim dispositi, bracteis minutis acutis glabris, pedicellis cum ovariis subrectis bracteis multo superantibus purpureis glabris. Sepalum intermedium concavum, lanceolatum, apice acuminatissimum, basi paullo contractum, margine integrum, vix 2 cm. longum, infra medium 5 mm. latum, purpureum, utrinque glabrum, membranaceum, 5-nervatum; sepala lateralia lanceolato-linearum, ad basin oblique contracta, sursum gradatim attenuata, acuminata, e medio involuta et torta, margine integra, c. 4.5 cm. longa, supra basin c. 4 mm. lata, lutescentia et purpurea, glabra, membranacea, 5-nervata. Petala falcato-oblonga, apice breve acuta, basi haud vel vix contracta, margine integra, c. 5 mm. longa, 2 mm. lata, violacea, glabra, trinervata.

Labellum cum pede columnae c. 4 mm. longo paullo incurvo articulatum, crassum, valde curvatum, cornuforme, ad summam obtusum, ad basin ampliatum, c. 4 mm. longum, luteum, supra unisulcatum, utrinque glabrum. Columna recta, bialata, eum cornibus c. 4 mm. longa, cornibus 2 angustis supra basin tortis sursum paullo dilatatis apice rotundato-obtusis.

Nom. Jap. Botan-kusino-ha-ran (nov.)

Hab. Formosa; praef. Takao, in laurisilvis prope Botan-sya, (N. FUKUYAMA! Mai. 30, 1934. Colitur in horto Univ., et floret in mense Novembri. no. 4722. Typus in Herb. Orch. Fuk.)

This species is nearly related to *Cirrhopetalum uraiense* HAYATA. It is, however, to be distinguished from the latter by the colour of flowers and the shape of sepals. Moreover, these two species seem to show different geographical distribution and floral season. It seems that the present species is limited in distribution to the southern part of Formosa and flowers only in autumn, while *C. uraiense* HAYATA is commonly found as an element of the epiphytes of Laurisilvae in the northern and middle parts of Formosa and flowers in early summer.

63) *Cirrhopetalum taiwanense* FUKUYAMA, sp. nov.

Epiphyticum, decumbens, c. 6 cm. altum, rhizomate repente lignoso