

Studia Orchidacearum Japonicarum VI*

Orchidaceae Formosae Et Insulae Kôtôsyô Novae Atque Criticae

auctore

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48) **Orchis Kunihikoana** MASAMUNE et FUKUYAMA, sp. nov.

Orchis kiraishiensis HAYATA form. *leucantha* MASAMUNE, in Journ. Trop. Agr. Taihoku Imp. Univ. III. (1931) p. 246.

Orchis kiraishiensis HAYATA var. *leucantha* MASAMUNE, in Trop. Hort. III. (1933) p. 45.

Terrestris, erecta, glaberrima, c. 10 cm. alta, tuberibus ovoideis 5-10 mm. longis pilosiusculis, radicibus paucis brevibus filiformibus flexuosis puberulis. Caulis tenuis, teres, strictus vel plus minusve flexuosus, glaber. ad medium subconferte vel remote bifolius, interdum unifolius, dimidio inferiore paucivaginatus, vaginis membranaceis glabris caulem complete amplectentibus apice truncatis vel obtusis acutisve.

Folia suberecta, patentia, oblanceolata vel lineari-oblonga vel lanceolata, apice acuta vel breve acuta, basi longe decurrentia et vaginantia, lamina 3-4 cm. longa, medio 5-10 mm. lata, margine integra, in exsiccato membranacea, utrinque glabra.

Flores 2-5, in apice caulis subdense racemosi, subsecundi, albescentes, bracteis foliaceis lanceolatis apice acuminatis basi paullo contractis utrinque glabris florem paullo vel diplo superantibus, pedicellis cum ovariis c. 5-10 mm. longis rectis glabris apice basiue contractis. Sepalum intermedium concavulum, oblongum, apice acutiusculum, basi vix contractum, margine integrum, c. 6.5 mm. longum, medio 2.5 mm. latum, glabrum, membranaceum, trinervatum; sepala lateralia erecto-patentia, ovato-oblonga, obliqua, latere superiore truncata, apice acutiuscula vel apiculata, basi inaequilaterale contracta, c. 8 mm. longa, infra medium 3.5 mm. lata, glabra, membranacea, trinervata. Petala cum sepalo intermedio in galeam conniventia, ovato-oblonga, valde obliqua, apice obtusiuscula, basi vix inaequilaterale contracta, sepalo intermedio subaequilonga, membranacea, glabra, trinervata.

Labellum erecto-patens, e basi perlate cuneatum, supra perbrevisime

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

incumbens, basi truncata, ad infimam mucronata, glabra. Pollinia 8, cerea, obliqua.

Nom. Jap. Enrei-syôki-ran (nov.)

Hab. Formosa; insl. Kôtôsyo, in pluviisilvis monte Kôtô-san. (N. FUKUYAMA! Jul. 17, 1934. no. 4679. Typus in Herb. Orch. Fuk.)

54) **Calanthe actinomorpha** FUKUYAMA, sp. nov.

Terrestris, erecta, c. 40–60 cm. alta, radicibus teretibus rigidis subfiliformibus leviter flexuosis rugulosis puberulis sicco c. 1.5–2 mm. diametentibus.

Folia 3–4, basilaria, erecto-patentia, oblanceolata, apice acuminata, basi longe decurrentia, lamina 20–40 cm. longa, medio 3–6 cm. lata, in exsiccato tenuiter coriacea, utrinque glabra, 5-nervia, subtus ad nervos prominente elevata, supra laevia, inter nervos multi-venulosa, petiolis 10–20 cm. longis angustis rigidis glabris ad basin vaginantibus amplectentibusque.

Scapus e basi fasciculi foliorum oriundus, erectus, glaber, cum racemo 40–50 cm. longus, medio c. 3 mm. in diametro, remote pauci-vaginulatus, vaginulis 3–6 cm. longis amplectentibus acutis glabris, racemo florifero c. 10 cm. longo subdense florato, bracteis caducis lanceolatis acuminatis membranaceis albescentibus gemmas florum diplo vel triplo superantibus utrinque glabris.

Flores flavescentes, subapertientes, pedicellis cum ovariis patulis vel subnutantibus clavatis c. 1 cm. longis glabris. Sepala subaequiformia, oblongo-ligulata, apice acuta vel apiculata, ad basin paullo contracta, margine integra, c. 8–9 mm. longa, medio $3\frac{1}{2}$ –4 mm. lata, membranacea, utrinque glabra, 3–5-nervata. Petala elliptica, apice acuta, basi contracta, margine plus minusve undulata, quam sepala vix breviora, concavula, membranacea, utrinque glabra, trinervata.

Lebellum indivisum, ecalcaratum, petalis subaequiforme subaequilongumque, concavulum, apice truncatum, ad summum mucronatum, margine plus minusve undulatum involutumque, utrinque glabrum, membranaceum, trinervatum. Columna erecta, subteres, c. 4 mm. longa, supra medium vix contracta, glabra, anthera circuito cordato-quadrangulata. Pollinia 8, clavata.

Nom. Jap. Kanariya-ebine (nov.)

Hab. Formosa; praef. Taihoku, in laurisilvis monte Syôagyoku-san. N. FUKUYAMA! Jan. 17, 1935. no. 4690. Typus in Herb. Orch. Fuk.)

55) **Bulbophyllum rivanum** FUKUYAMA, sp. nov.

Epiphyticum, parvulum, decumbens vel ascendens, 3–5 cm. altum.