

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 bifoliatus, interdum unifoliatus, 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 basi que 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 perbrevisissime

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

puberulum, subtus glabrum, supra medium trilobatum, inter apices loborum lateralium explanatorum c. 1.2 cm. latum, lobis lateralibus obliquis apice obtusis vel truncato-rotundatis margine irregularibus, lobo intermedio quam lateralibus longiore quadrangulato antice retuso vel subbilobulato-emarginato ad centrum breve aristato infra apicem c. 6 mm. lato margine irregulari, calcare cylindrico recto apice obtuso ad basin plus minusve ampliato pedicellis paullo brevioribus medio c. 1 mm. diametente. Columna c. 3 mm. alta.

Nom. Jap. Kumoma-tidori (nov.)

Hab. Formosa; praef. Taityû, in herbis alpinis monte Taisuikutusan, (D. ORIMOTO! Jul. 1934. no. 4704. Typus in Herb. Orch. Fuk.)

49) **Amitostigma alpestre** FUKUYAMA, sp. nov.

Terrestre, pusillum, erectum, glaberrimum, 5–10 cm. altum, tuberibus ovoideis vel globosis 5–10 mm. longis pilosiusculis. Caulis tenuis, teres, substrictus vel plus minusve flexuosus, glaber, dimidio inferiore laxè 1-2-foliatus, ima basi bivaginat, vaginis membranaceis blabris amplexicaulis apice truncatis vel acutis.

Folia suberecta, patentia, oblanceolata vel anguste oblonga, apice breve acuta, basi longe decurrentia et amplectentia, c. 5 cm. longa, supra medium 5–10 mm. lata, margine integra, in exsiccato membranacea, utrinque glabra.

Flores 2–3 raro 4, in apice caulis sublaxè dispositi, subsecundi, lilacini vel lilacino-punctati, subapertientes, bracteis foliaceis lanceolatis apice acuminatis basi contractis utrinque glabris inferioribus florem superantibus superioribus sensim brevioribus, pedicellis cum ovariis c. 5–10 mm. longis rectis glabris apice basi que contractis. Sepalum intermedium concavulum, ovato-oblongum, apice obtusiusculum, basi paullo contractum, margine integrum, 4–5 mm. longum, infra medium vix 2 mm. latum, glabrum, membranaceum, trinervatum; sepala lateralìa ovato-oblonga, paullo obliqua, quam sepalum intermedium paullo majora, apice acutiuscula vel obtusiuscula, basi contracta, glabra, membranacea, trinervata. Petala cum sepalo intermedio in galeam conniventia, ovato-lanceolata, obliqua, apice acutiuscula, basi contracta, margine integra, c. 4 mm. longa, supra basin c. 1½ mm. lata, utrinque glabra vel perbrevisime puberula, membranacea, 1-3-nervata.

Labellum erecto-patens, supra perbrevisime puberulum, subtus glabrum, membranaceum, c. 6 mm. longum, medio trilobatum, inter apices loborum lateralium explanatorum c. 5 mm. latum, ad basin cuneato-attenuatum, lobis lateralibus oblique oblongis apice acutis vel obtusis vel truncatis margine integris vel leviter emarginatis latere exteriori c. 4 mm. interiore c. 2 mm. longis a lobo intermedio angulo 45° egressis, lobo intermedio quam lateralibus longiore obovato-quadrangulato apice truncato ad summum leviter

sinuato et breve aristato infra apicem c. 3 mm. lato, calcare cylindrico recto apice obtuso ad basin plus minusve dilatato vix 4 mm. longo medio c. 1 mm. in diametro. Columna brevis, c. 2 mm. alta, antice infra antheram staminodiis duobus instructa.

Nom. Jap. Usuiro-tidori (nov.)

Hab. Formosa; praef. Taihoku, in herbis alpinis monte Nankotaizan, Bunakkei, (N. FUKUYAMA! Jul. 26, 1933 no. 4692. Typus in Herb. Orch. Fuk.)

50) **Listera pseudonipponica** FUKUYAMA, sp. nov.

Terrestris, erecta vel stricta, subfiliformis, c. 20 cm. alta, medio vel supra medium foliifera, infra folia glabra, supra folia puberula, ima basi paucivaginata, radicibus mihi nondum notis.

Folia 2, ad medium caulis opposita, erecto-patentia, sessilia, ovato-semiorbiculata vel subreniformi-semiorbiculata, apice ad summum cuspidata, basi truncato-subcordata vel truncata, margine integra, c. 2-2.5 cm. longa, supra basin 3-3.5 cm. lata, utrinque glabra, membranacea, reticulato-venulosa.

Scapus gracilis, erectus, simplex, remote paucisquamatus, squamis scapum amplectentibus bracteis subaequiformibus. Flores apertientes, c. 8, in apice scapi subaxe racemosi, subsecundi, bracteis ovato-lanceolatis apice acutiusculis basi vix contractis c. 1 mm. longis utrinque glabris apicem versus sensim brevioribus, pedicellis cum ovariis rectis vel curvatis glaberrimis bracteis duplo vel triplo superantibus. Sepalum intermedium lineari-oblongum, apice obtusiusculum, ad basin angustatum, c. 3.5 mm. longum, supra medium vix 1 mm. latum, membranaceum, glabrum, uninervatum; sepala lateralia lineari-oblonga, apice obtusiuscula, basi haud contracta, sepalo intermedio subaequilonga et subaequilata vel vix angustiora, membranacea, glabra uninervata. Petala lineari-oblonga, apice obtusiuscula, basi vix vel haud contracta, c. 3.5 mm. longa, $\frac{2}{3}$ -1 mm. lata, membranacea, glabra, uninervata.

Labellum erecto-patens, glabrum, c. 5 mm. longum, e basi trilobatum, lobis lateralibus parvis oblanceolatis apice rotundatis basi angustatis c. 1 $\frac{2}{3}$ mm. longis uninervatis, lobo intermedio lateralibus valde majore dimidio inferiore unguiculato e medio apicem versus abrupte dilatato, parte dilatata late obcordata vel bilobulato-obcordata ad summum inter lobulos mucronata c. 2.5 mm. longa medio c. 4 mm. lata multinervata. Columna subrecta, c. 2 $\frac{1}{2}$ mm. longa.

Nom. Jap. Ityô-hutaba-ran (nov.)

Hab. Formosa; praef. Taityû, Tôsei-gun, Seki-heki-ko, (NAKAZAWA! 1920, no. 4686, Typus in Herb. Taihoku Imp. Univ.)