

# Studia Orchidacearum Japonicarum III

## Orchidaceae Formosanae Novae Atque Criticae

(Continued from Ann. Rep. Taihoku Bot. Gard. Vol. III.)

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Received December 23, 1933

With 3 Text-Figures

19) **Amitostigma yuukiana** FUKUYAMA, sp. nov.

Terrestris, erecta, glaberrima, parvula, 10–13 cm. alta, tuberibus ovoideis vel oblongoideis ellipsoideisve pilosiusculis. Caulis gracillimus, teres, basi vel supra basin unifolius, raro bifolius, basi infra folia 1–2-vaginatus, vaginis scariosis e basi ad supra medium complete amplexentibus sed partibus superioribus leviter patentibus.

Folia suberecta, anguste oblonga vel ovato-lanceolata, raro longe elliptica, in exsiccato plerumque duplicata, apice obtusa vel acutiuscula, basi decurrentia et amplexentia, chartacea, c. 5 cm. longa, medio 1–1.5 cm. lata, utrinque glabra.

Racemus terminalis, erectus, subsecundus, 2–3 cm. longus, subdense 10–20-floratus, bracteis parvulis c. 5 mm. longis ovato-lanceolatis apice acuminatis basi contractis et leviter amplexentibus utrinque glabris.

Flores parvi, rosei, glabri, subapertientes, pedicellis rectis glabris bracteas duplo vel quadruplo superantibus. Sepalum intermedium ovatum, apice obtusum, basi contractum, concavum, membranaceum, 2.5–3 mm. longum, 1.5–2 mm. latum, cum petalis in galeam connivens, uninervatum, lateralibus obovatis paullo obliquis apice obtusis basi attenuatis c. 3 mm. longis 1.5–2 mm. latis membranaceis uninervatis. Petala oblique elliptica, utrinque acuta, c. 3 mm. longa, 2 mm. lata, membranacea, glabra, uninervata.

Labellum glabrum, subrectum, 3.5–4 mm. longum, infra medium trilobatum, inter apices loborum lateralium explanatorum c. 3.5 mm. latum, ad basin gradatim attenuatum, lobis lateralibus linearibus vel longe triangularibus a lobo intermedio angulo 45° egressis c. 1 mm. longis, lobo intermedio lateralibus longiore, 1.5–2 mm. longo, obovato-cuneato, apice truncato-concavo, infra apicem 1.5 mm. lato, calcare cylindrico subrecto obtusiusculo

Columna brevissima, staminodiis parvulis.

Nom. Jap. Niitaka-mukagosoo (nov.)

Hab. Formosa; praef. Taichuu, in monte Niitaka-yama inter Shuzan et Niitaka-chuuzaiho, (J. OHWI! Jul. 1933. no. 4119. Typus in Herb. Orch. Fuk.).

The species is nearly related to *Herminium gracile* KING et PANTL., as well as to *H. pugioniforme* LINDL. both coming from Sikkim Himalaya. It is, however, to be distinguished from the former by the form of sepals, and is easily distinguished from the latter by the form of lips, while the character of sepals of these two species are almost the same.

21) **Aphyllorchis purpurea** FUKUYAMA, sp. nov.

Saprophytica, aphylla, erecta, c. 60. cm. alta, caule stricto simplici gracili tereti glabro toto subdense purpureo-striato medio c. 3.5 mm. in diametro basi vaginato medio fere 4-5 remote squamato, squamis amplexicaulibus, tubiformibus, c. 2 cm. longis, obtusis, glabris, sensim in bracteas decreescentibus.

Flores subapertientes, fere 10-20 in apice caulis laxe racemosi, pars florifera c. 15 cm. longa, erecta, bracteis patulis vel deflexis lineari-lanceolatis apice acutis basi vix contractis c. 1.5 cm. longis medio 3 mm. latis glabris trinervatis sursum sensim brevioribus, pedicellis cum ovariis rectis, gracilibus, sparsim et brevissime pilosis, bracteis duplo longioribus. Sepala libera, aequilonga, aequilata, glabra, trinervata, sepalo intermedio anguste oblongo cymbiformi apice obtuso basin versus attenuato c. 1.2 cm. longo infra apicem c. 4 mm. lato, sepalis lateralibus oblique ligulatis apice acutiusculis basi contractis. Petala sepalis paullo minora.

Labellum circuitu ovato-oblongum, indivisum, glabrum, apice obtusum, c. 1 cm. longum, supra basin explanate 4 mm. latum, anteriore patens sed margine paullo involutum, posteriore sulcato-concavum, basi stipitatum, stipite cuneato 2 mm. longo utrinque alato, alis lineari-triangularis acutis c. 1.5 mm. longis. Columna elongata, c. 8 mm. longa, plus minusve incurvata, semiteres, apice paullo ampliata.

Nom. Jap. Sumire-muyooran (nov.)

Hab. Formosa; praef. Taihoku, in silvis laurilignosis monte Syogyoku-san, prope Urai, (N. FUKUYAMA! Aug. 1933. no. 4121. Typus in Herb. Orch. Fuk.).

22) **Listera taizanensis** FUKUYAMA, sp. nov.

Terrestris, erecta, pusilla, subfiliformis, c. 11-16 cm. alta, medio foliifera, infra folia glabra, supra puberula, basi univaginata vel evaginata,