

## Studia Orchidacearum Japonicarum IV\*

### Orchidaceae Formosanae Novae Atque Criticae

auctore

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#### 32) *Orchis taiwanensis* FUKUYAMA, sp. nov.

Terrestris, gracilis, erecta vel stricta, glaberrima, 7-18 cm. alta, tuberculis pilosiusculis globosis vel ovoideis ellipsoideisve. Caulis plerumque remote bifolius interdum trifolius, basi 1-2-vaginatus, vaginis membranaceis apice acutis obtusisve caulem arcte amplectentibus.

Folia erecto-patentia, linearia vel lanceolato-linearia lanceolatae, in exsiccato chartacea, apice acuta vel acuminata, basi foliis superioribus abrupte contracta vel gradatim attenuata et caulibus articulata, basi foliis inferioribus in vaginam decurrentia et amplectentia, c. 3.5-9 cm. longa, medio 4-15 mm. lata, utrinque glabra, trinervata.

Racemus terminalis, suberectus, secundus, 2-5 cm. longus, laxiuscule 3-11-floratus, bracteis lanceolatis apice acuminatis basi contractis utrinque glabris c. 1-1.5 cm. longis superioribus sensim brevioribus.

Flores rosei, apertientes, pedicellis rectis glabris bracteis subaequilongis raro duplo longioribus. Sepalum intermedium ellipticum, apice obtusiusculum, ad basin angustatum, concavum, dorso medio costa prominens, membranaceum, c. 5 mm. longum, medio 2.5 mm. latum, utrinque glabrum, uninervatum. Sepala lateralia posteriore valde reflexa, oblique oblonga vel ovato-oblonga, latere superiore lente truncata, apice obtusiuscula, basi paullo contracta, margine superiore leviter revoluta, dorso medio costis prominentia, c. 5-6 mm. longa, infra medium 3-3.5 mm. lata, utrinque glabra, uninervata. Petala cum sepalo intermedio in galeam conniventia, oblique oblonga, apice obtusa, basi contracta, margine lente irregulariter undulata, membranacea, sepalis paullo minora, medio c. 2.5 mm. lata, utrinque glabra, uninervata.

Labellum sessile, erecto-patens, circuitu semi-orbiculatum vel ovato-orbiculatum, c. 1 cm. longum, inter apices loborum lateralium c. 1.1 cm. latum, supra minutissime pilosiusculum, basi truncatum vel obtusum, medio leviter vel manifeste trilobatum, lobis lateralibus oblique oblongis vel

\* Continued from Bot. Mag. (Tokyo). 48 (1935), p. 442.

semiorbiculatis obtusis, lobo intermedia lateralibus majore antica semiorbiculato vel quadrato margine leviter irregulari c. 7 mm. lato, calcare recto pedicello paullo longiore c. 1.2 cm. longo medio 1.5 mm. in diametro apice obtuso. Columna c. 2 mm. longa.

Nom. Jap. Ane-chidori (nov.)

Hab. Formosa; praef. Karenkoo, in herbis alpinis monte Gookanzan, (N. FUKUYAMA! Jul. 1929. no. 4526. Typus in Herb. Arch. Fuk.); Kenkai-shichoo, prope Karapaó, (K. SEGAWA! Aug. 17, 1934. no. 4528, 4531, 4532); praef. Taichuu, in monte Niitaka-yama inter Tonpo et Hattukan, (M. TAGAWA! Aug. 1934, no. 4529, 4530).

33) **Listera nankomontana** FUKUYAMA, sp. nov.

Terrestris, erecta, gracillima, c. 20 cm. alta, medio foliifera, infra folia glabra, supra puberula.

Folia 2, opposita, erecto-patentia, late ovata, apice acuta, basi truncato-rotundata, margine integra, c. 2 cm. longa, supra basin 1.5-2.5 cm. lata, crassiuscule membranacea, utrinque glabra, subtus pallidiora.

Scapus terminalis, simplex, subfiliformis, strictus, c. 10 cm. longus, inferiore remote 3-4-squamatus, squamis lanceolatis acutiusculis 3-5 mm. longis sensim in bracteas decrescentibus.

Flores a medio scapi sursum apicem laxè racemosi, patentes, bracteis squamis aequiformibus apice acutis basi contractis c. 3 mm. longis sursum sensim brevioribus, pedicellis cum ovariis subrectis glabris bracteis duplo vel triplo longioribus.

Sepala membranacea, glabra, uninervata, sepalo intermedio ligulato sursum sensim angustato apice obtuso c. 2.5 mm. longo 1 mm. lato, sepalis lateralibus intermedio subsimilibus sed majoribus falcatisque c. 3 mm. longis. Petala linearia, apice obtusa, ad basin plus minusve dilatata, sepalo intermedio aequilonga, membranacea, glabra, uninervata.

Labellum erecto-patens, longe cuneatum, c. 7 mm. longum, infra apicem c. 3.5 mm. latum, utrinque glabrum, membranaceum, medio plus minusve carnosum, supra medium divaricato-bilobatum, lobis sursum sensim attenuatis apice acutis latere interiore c. 2 mm. longis. Columna subrecta, c. 2.5 mm. longa, rostello anteriore truncato.

Nom. Jap. Tsubame-futabaran (nov.)

Hab. Formosa; praef. Taihoku, in silvis monte Nanko-taizan inter Kiritto et Bunakkei, (Jul. 1933. no. 4139. Typus in Herb. Orch. Fuk.); praef. Taichu, inter Matsumine at Hakka, (S. SUZUKI! Jul. 12, 1930. no. 5600.)

34) **Lecanorchis cerina** FUKUYAMA, sp. nov.