

Studia Orchidacearum Japonicarum V*

Orchidaceae Formosanae Novae Atque Criticae

auctore

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With 1 Text-Figure

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41) **Calanthe pumila** FUKUYAMA, sp. nov.

Terrestris, pumila, c. 20 cm. alta, radicibus teretibus rigidiusculis filiformibus leviter flexuosis puberulis sicco c. 1.5–2 mm. diametentibus.

Folia 4–5, basilaria, suberecta, linearia vel oblanceolato-linearia, apice acuminatissima, basi in petiolum angustum basi vaginantem longe decurrentia, c. 20–30 cm. longa, supra medium c. 8–13 mm. lata, in exsiccato tenuiter coriacea, utrinque glabra, subtus prominente trinervia, inter nervos venulosa.

Scapus e basi fasciculi foliorum oriundus, strictus, glaber, foliis vulgo brevior, c. 15–18 cm. longus, medio c. 2.5 mm. in diametro, remote 4–5-vaginatus, vaginis apice apiculatis ad basin tubiformibus et amplectentibus membranaceis utrinque glabris c. 1.8 cm. longis superioribus minoribus, racemo florifero c. 3 cm. longo subdense florato, bracteis caducis lanceolatis apice acuminatis basi paullo contractis membranaceis subhyalinis glabris.

Flores albescentes, subapertientes, pedicellis cum ovariis rectis c. 1.2 cm. longis glabris. Sepalum intermedium oblongum, apice acuminatum, ad basin plus minusve contractum, c. 1 cm. longum, medio c. 4 mm. latum, utrinque glabrum, membranaceum, trinervatum, sepalis lateralibus intermedio similibus sed paullo longioribus obliquisque. Petala orbiculato-obovata vel orbiculato-elliptica, apice rotundata, ad summam apiculata, ad basin angustata, c. 8 mm. longa, medio 6 mm. lata, utrinque glabra, membranacea, trinervata, nervis lateralibus extorse venulosis.

Labellum c. 6 mm. longum, calcaratum, basi breve bilamellatum, supra basin perprofunde trilobatum, lobo intermedio orbiculato apice rotundato ad summam interdum leviter retuso ad infimam ungue perbrevis perangusto instructo margine integro utrinque glabro c. 4 mm. longo totiusque lato, lobis lateralibus oblongis obliquis obtusis c. 3 mm. longis 2 mm. latis glabris, calcare cylindrico recto apice obtuso c. 6 mm. longo medio 2 mm.

* Continued from Bot. Mag. (Tokyo), 49 (1935), 306.

43) **Ione bifurcatoflorens** FUKUYAMA, sp. nov.

Epiphytica, decumbens, radicibus sub pseudobulbo e rhizomate oriundis filiformibus rigidiusculis glabris rugulosis, rhizomate longe repente c. 1.5 mm. diametiente lignoso, pseudobulbis se 1-4 cm. distantibus ovoideis paullo obliquis carnosis glabris 1-1.5 cm. altis supra basin 5-8 mm. diametientibus apice unifoliatis.

Folia erecta, anguste oblonga vel linearia, apice obtusa vel acutiuscula, ad summam brevissime biloba, basi in petiolos breves tortuosos attenuata, c. 3-7 cm. longa, medio c. 7-12 mm. lata, crassa, utrinque glabra, subtus medio elevato-costata.

Scapus e basi pseudobulbi oriundus, substrictus, vulgo 3 cm. longus, superiore divaricato-bifloratus, inferiore vaginis paucis acuminatis vel apiculatis obtectus, bracteis oblongis vel ovato-oblongis apice acutis basi vix vel haud contractis 7-9 mm. longis membranaceis glabris.

Flores patentes, c. 1.5 cm. diametientes, pedicellis rectis c. 1 cm. longis glabris. Sepalum intermedium ovato-triangulatum, apice acutum, basi paullo contractum, integrum, c. 1 cm. longum, supra basin 5 mm. latum, utrinque glabrum, vivo crassiusculum, 5-nervatum, sepalis lateralibus intermedio subaequalibus sed paullo obliquis. Petala lanceolata, basi non contracta, sursum sensim angustata, apice acuminata, c. 8 mm. longa, basi 2 mm. lata, utrinque glabra, inferiore margine denticulato-ciliata, supra basin apicem versus incrassata, partibus incrassatis aurantiacis interdum murinis.

Labellum c. 6 mm. longum, cum pede perbrevis columnae adnatum, utrinque glabrum, basi biappendiculatum, inferiore orbiculatum concavumque, superiore cuspidatum incrassatumque, parte incrassata c. 3.5 mm. longa apice acuminata aurantiaca interdum murina. Columna crassa, brevissima.

Nom. Jap. Hanabi-ran (nov.)

Hab. Formosa; praef. Takao, Naihonroku-goe, in silvis prope Fujieda c. 1300 m. alt., (N. FUKUYAMA! Oct. 21, 1934. no. 4560. Typus in Herb. Orch. Fuk.)

44) **Thelasis clausa** FUKUYAMA, sp. nov.

Epiphytica, compacta, pumila, c. 5-10 cm. alta, radicibus filiformibus flexuosis teretibus glabris rugulosis, rhizomatibus abbreviatis, pseudobulbis approximativim connexis oblique depresso-globosis 2-5 mm. altis glabris apice 1-2-foliatis.

Folia vulgo 2, alterum valde minus vel abortivum, linearia vel anguste oblonga, erecto-patentia, apice obtusa et plerumque brevissime inaequaliter bilobata, ad basin sensim paullo angustata, c. 5-13 cm. longa, medio c. 7-10 mm. lata, in exsiccato membranacea, utrinque glabra, nervosa.

Scapus e basi pseudobulbi oriundus, strictus vel substrictus, folio