

Contributiones ad Floram Formosanam, II.

Yoshimatsu Yamamoto

(6) **Calanthe Kazuoi** YAMAMOTO, sp. nov.

Rhizoma cylindricum vermisiforme irregulariterque contortum 5-8 mm in diametro, internodiis plerisque 5 mm distantibus, apice foliatum. Folia basalia, 3-7 imbricata; exteriora vaginata membranacea, linear-lanceolata 4 cm longa 7 mm lata, apice acuminata extus 5-striata, maxima circ. 15 cm longa 1.2 cm lata; interiora elongato-elliptica cum vaginis 48-57 cm longa medio 5 cm lata, apice linear-acuminata basi gradatim attenuata ad vaginam abeuntia crassa que, pagina extus 5-7-striis notata inter se paralleliter sulcata, usque glabra. Racemi dense florati circ. 50 cm longi, floribus flavissimis pedicellatis basi bracteatis, pedicellis cum ovariis 2 cm longis. Sepala subaequali-longa, apice acuta basi truncata, extus valde convexa intus valde concava, 15 mm longa 6 mm lata, iis lateralibus plus minusve angustioribus. Petala linearia sepalis subaequali-longa, 3 mm lata apice obtusiuscula. Labellum columnae adnatum, ima basi in calcar 12 mm longum 2 mm in diametro productum; calcar leviter recurvatum; lamina 3-lobata, lobo medio obovato 5 mm longo 4 mm lato, valde recurvato, basi paullo angustato apice 2-lobulato, lobulis apice obtusissimis, lobis lateralibus aequalibus 6 mm longis 5 mm latis apice obtusis; discus 2-lamellatus, lamellis cuneatis 4 mm longis 1 mm latis. Columna 1 cm longa. Clinandrium profunde excavatum oblique truncatum; anthera ad apicem membranatum posteriorum clinandrii affixa incumbens ovata apice cordata basi acuminata. Pollinia 8, in singulo loculo 4; cera oblonga.

NOM. JAP. Sasaba-kiebine (nov.).

HAB. In monte Parasan, prope Uraisha, prov. Taihoku,

forma **atropurpurea** YAMAM. form. nov.

Columna extus dorsoque atro-purpurea.

NOM. JAP. Murasaki-nagabasoshin (nov.).

HAB. In monte Taihei, prope Kashinoki-daira, ad circ. 3000 ped. alt., leg. TAKASHI NOYA, 26 Oct. 1929 (No. A).

forma **atrovirens** YAMAM. form. nov.

Columna extus dorsoque viridis.

NOM. JAP. Midori-nagabasoshin (nov.).

HAB. In monte Taihei, prov. Taihoku, leg. T. NOYA, 26 Oct. 1929 (No. B).

NOTA. Affine *Cymbidio sinensi* WILD., sed folio longissimo (maximo 120 cm longo) et angustiori, sepalo longiori (maximo 4.5 cm longo 0.5 cm lato), exqua statim differt.

(9) **Plantago major** LINN. Sp. Pl. (1753) p. 112.

var. **Sawadai** YAMAMOTO, var. nov.

Herba basi subcaulescens; caules brevissimi basi fasciculatim radicantes perennes, ad axillas lanati. Folia radicalia papyracea longe petiolata oblonga, 5-9 cm longa 2.5-5 cm lata, apice obtusissima basi in petiolum longe angustata, margine dentibus irregularibus distantibus vel saepe acuto- vel caudato- vel lobulato-serrata, utraque page pubescentia subtus densiora et ad venas densissima, paralleliter 3- vel 5-nervia; petiolus compressus, inferne dilatatus, 4-10 cm longus, medio 0.5 cm basi circ. 1 cm latus. Spicae elongato-cylindricae, 15-25 cm longae 0.5 cm in diametro; pedunculus 2.5 cm longus, longe fibrosus, nigricans, ubique pubescens, longitudinaliter tenuiterque sulcatus. Flores hermaphroditi, minores sessiles; bractea oblonga vel ovata, apice acuta extus valde convexa, naviculiformis, 1.5 mm longa 1 mm lata, medio crassa viridisve, margine membranacea et subhyalina ciliataque; calyces 4, subaequalii, oblongi vel subelliptici, naviculiformes, apice acuti, medio valde crassi

viridesque, margine subhyalino-membranacei, glabri, 2 mm longi 1.3 mm lati; corolla campanulato-cylindracea, ad orem 4-lobata, tubo 2.5 mm longo 0.7 mm in diametro, lobis aequalibus acutis, 0.5 mm longis et latis, plerisque reflexo-patente; stamina 4 aequalia, tubo corollae affixa, lobis alterna, e tubo exerta, filamentis filiformibus 3 mm longis, antheris oblongis, 1 mm longis 0.5 mm latis, 2-locularibus, apice cuspidatis basi sagittatis. Ovarium superum sessile, septis imperfecte 2-loculare, oblongum vel subglobosum, 0.7 mm longum 0.5 mm in diametro, stylo filiformi circ. 2 mm longo superne breve ciliato et in longitudinem circumcirca stigmatoso, ovulis valde compressis, 18-20-meris, septo lateraliter adnatis, margine hemialatis. Fructus parvus, oblongus vel subglobosus, 2.5 mm longus 1.5 mm in diametro, sepalis persistentibus inclusus, basi circumscisso dehiscens, plerisque 18-spermus; semina nigricantia ovalia valde compressa.

NOM. JAP. Kawari-ôbako (nov.).

HAB. Kelung (Ensôrei), prov. Taihoku, leg. Y. YAMAMOTO, Apr. 1929; ibidem, leg. K. SAWADA, April. 1929.

NOTA. Arcte affinis typi speciei, folio pubescente margine dentato- vel caudato serratoque et fructu polyspermo exqua differt. Haec varietas forsitan cum *P. majore* L. var. *polysperma* (in G. HEGI, Illust. Fl. Mittel-Europa, Bd. VI. Häfte 1, p. 182) cadem est.