

Studia Orchidacearum Japonicarum I
Orchidaceae Formosanae Novae Atque Criticae

auctore

Noriaki Fukuyama

Received October 16, 1933

With 1 Text-Figure

1) **Platanthera transnokoensis** OHWI et FUKUYAMA, sp. nov.

Terrestris, erecta, glaberrima, 20–30 cm. alta, caule tereti medio laxe 3-foliato, basi infra folia 5–8 cm. longo vaginis 2–3 vestito, supra folia squamis c. 2. foliaceis lanceolatis sensim in bracteas decrescentibus.

Folia 2–3, erecto-patentia, elliptica vel oblongo-elliptica, 7–12 cm. longa, 2–4 cm. lata, apice obtusa vel obtuso-acuta, basi decurrentia et amplectentia, membranacea, utrinque glabra, sursum decrescentia.

Racemus subdense multiflorus, erectus, ca. 5 cm. longus, bracteis lanceolatis acutis glabris erecto-patentibus, inferioribus flores superantibus, superioribus sensim brevioribus.

Flores glabri, erecto-patentes, albescens, pedicellis erectis 7 mm. longis glabris. Sepalum intermedium late ovatum, apice rotundato-obtusum concavulumque, basi contractum, 4.5 mm. longum, 3 mm. latum, trinervatum. Sepala lateralia deflexa, subfalcato-ovata, intermedio leviter angustiora et longiora, 5.5 mm. longa, 2.5 mm. lata, apice obtusa, trinervata. Petala oblique ovata, apice obtusa, 4 mm. longa, 2.25 mm. lata.

Labellum subrectum, declinatum, lineare, 6.5 mm. longum, 1.25 mm. latum, apice obtusiusculum, basi plerumque utrinque brevissime lobulatum vel cornutum, lobulis triangulatis acutis 1 mm. longis; calcar pedicello aequilongum, erectum, gracile, cylindraceum, apice obtusum, 6.5 mm. longum, 1.25 mm. diametens. Antherae parallelae, erectae, clavatae, apice rotundatae, basi acuminatae, inter se approximatae, 2 mm. longae; rostellum inconspicuum.

Nom. Jap. Kiraishu-yukichidori (nov.)

Hab. Formosa; prov. Taichu, in monte Kiraishu-nampoo, (J. OHWI! June, 1933. no. 3971. Typus in Herb. Orch. Fuk.)

2) **Habenaria Hosokawae** FUKUYAMA, sp. nov.

Terrestris, erecta, 35–40 cm. alta, glaberrima; partes inferiores aphyllae, laxe 3–4-vaginatae, vaginis a basi usque ad medium tubiformibus

Nom. Jap. Hama-bouran (nov.)

Hab. Formosa; prov. Taitoo, in silvis littoralis Aroei, prope Daibu. (N. FUKUYAMA! Jan. 1933. no. 3984. Typus in Herb. Orch. Fuk.)

The present plant was collected by myself, in January 1933, in the tropical rain-forest by the sea-side near Aroei in Prov. Taitoo and was brought back to the garden of Mr. KOSAKI where it flowered, in May 1933.

11) **Cystopus humilis** FUKUYAMA, sp. nov. (Odontochilus)

Terrestris, erectus, humilis, ca. 6-9 cm. altus, rhizomate decumbente rubescente cauliformi ad nodos villosus. Caulis cum scapo erectus, rubescens, teres, exsiccato ca. 1.5-2 mm. diametens, infra medium sublaxe 3-4-foliifer, sursum scapum abeuns et hirsutus, deorsum glaber.

Folia parva, petiolata, sursum in squamas decrescentia, lamina erecto-patentia, ovata vel cordato-ovata, apice acuta, basi rotundata vel obtusa, in exsiccato membranacea, utrinque glabra, trinervata, 7-13 mm. longa, 5-8 mm. lata, petiolis cum vaginis 5 mm. longis basin dilatatis et amplexicaulibus.

Scapus gracilis, erectus, hirsutus, 1-2-squamatus, ca. 4 cm. longus, racemo florifero 1-1.5 cm. longo 3-5-florato, bracteis ovato-lanceolatis, apice acuminatis, basi plus minusve contractis, membranaceis, subhyalinis, interiore glabris, exteriore hirsutis, uninervatis, albo-punctatis, rubescentibus, pedicellis aequilongis vel leviter longioribus, ca. 6 mm. longis, 3 mm. latis.

Flores subpatentes, hirsuti, pedicellis hirsutis erectis basi non contractis apice constrictis. Sepala membranacea, uninervata, albo-punctata, interiore glabra, exteriore hirsuta, sepalum intermedium erectum cum petalis in galeam connivens ovato-lanceolatum apice acuminato-obtusum basi leviter contractum ca. 3.5 mm. longum 1.5-2 mm. latum, sepala lateralia intermedio longiora, oblonga, ca. 1.5 mm. lata, apice acuto-obtusa, basi non attenuata et cum sacco labelli in calcar formantia, calcar elongato-globoso 2 mm. longo 1.5 mm. lato apice rotundato obscure bisaccato. Petala sepalo intermedio aequilonga sed valde obliqua, semiobovata, apice cuspidato-obtusa, basi attenuata, latere superiore truncata, medio ca. 1 mm. lata.

Labellum sepalis longius ca. 7 mm. longum, basi calcariforme saccatum intus 2-callosumque, lamina basin unguiculata, ungue lineari 2 mm. longo superne canaliculato margine intergo sed sursum breviter dentato, lamina patens, membranacea, flabellata vel late triangulata, apice retusa, basi acuta, utrinque glabra ca. 2 mm. longa, 5 mm. lata. Columna brevis, rectiusculum, stigmatem indiviso. Anthera ad marginem clinandrii inclinata, pollinia 2 grosse granulosa.

Nom. Jap. Usubeni-tashiroran (nov.)

Hab. Formosa; prov. Shinchiku, in silvis laurilignosis inter Sensui et Kaminoshima, prope Taiko, (N. FUKUYAMA! Jul. 1932. no. 3986. Typus in Herb. Orch. Fuk.)

(To be continued)

Oct. 10, 1933

Botanical Institute, Faculty of Science and Agriculture,
Taihoku Imperial University, Formosa, Japan
