

Studia Orchidacearum Japonicarum III

Orchidaceae Formosanae Novae Atque Criticae

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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 bracteis 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

28) *Calanthe nigropuncticulata* FUKUYAMA, sp. nov.

Terrestris, erecta, c. 35–40 cm. alta, radicibus filiformibus flexuosis puberulis.

Folia 2–3, erecto-patentia, longipetiolata, lamina elliptica, utrinque acuminata, 15–20 cm. longa, medio 5–6.5 cm. lata, supra glabra, subtus minutissime et sparsim pilosa, papyracea, multinervata, petiolo stricto c. 10–20 cm. longo gracili basi dilatato.

Scapus e basi fasciculi foliorum oriundus, erectus, gracilis, puberulus, folia paullo superans vel aequilongus breviorve, vaginis paucis ovatis vel lanceolatis acuminatis dissitis amplectentibus, racemo florifero 3–10 cm. longo, subdense florato, bracteis persistentibus lanceolatis acuminatis exteriore puberulis c. 1 cm. longis superioribus sensim brevioribus.

Flores subpatentes, albescentes, pedicellis gracilibus bracteas duplo vel triplo longioribus supra brevissime atro-brunneo-pilosis. Sepala exteriore glanduloso-pilosa, pilis atro-brunneis, sepalo intermedio late elliptico apice obtusiusculo basi contracto c. 8 mm. longo medio 5.5 mm. lato 5-nervato, lateralibus obovato-ellipticis, paullo obliquis, apice obtusiusculis, basi contractis, c. 9.5 mm. longis, medio 4 mm. latis, 5-nervatis. Petala late obovato-spatulata, apice apiculata, basi attenuata, utrinque glabra, membranacea, subhyalina, sepalo intermedio aequilonga.

Labellum e basi trilobatum, lobis lateralibus linearibus vel cultiforme linearibus sursum plus minusve dilatatis apice obtusis c. 1 cm. longis, lobo intermedio cuneato vel late cuneato, c. 1.7 cm. longo, usque ad medium bilobulato, lobulis oblique obovatis latere interiore inter se duplicatis anteriore truncato-rotundatis, callis 5, crassis, in basi ornatis, calcare erecto glabro leviter clavato obtuso supra medio longitudine sulcato c. 1 cm. longo. Columna brevissima, cum ungue labelli connatis. Clinandrium profunde concavum.

Nom. Jap. Gomafuki-ebine (nov.)

Hab. Formosa; fraef. Shinchiku, in silvis laurilignosis monte Higashi-sensui-zan, (N. FUKUYAMA! Jul. 1932. no. 4133. Typus in Herb. Orch. Fuk.), in silvis laurilignosis inter Kappan-zan et URAI, (N. FUKUYAMA! Jul. 15, 1931. no. 4136).

29) *Eulophia Segawae* FUKUYAMA, sp. nov.

Terrestris, erecta, c. 25 cm. alta, per anthesin aphylla, rhizomate et foliis mihi nondum notis. Caulis erectus, simplex, aphyllus, teres, glaber, c. 3 mm. diametens, remote c. 8-squamatus, squamis amplectentibus membranaceis subhyalinis 1.5–3 cm. longis inferioribus longioribus et tubiformibus apice acutis superioribus brevioribus ovato-lanceolatis apice acuto-acuminatis et sensim in bracteas decrescentibus.



Fig. 1. *Eulophia Segawae* FUKUYAMA
(K. SEGAWA PHOTO.)

reflexisque, basi vix contractis, medio 2.5 mm. latis. Petala anguste ligulata, cum sepalo intermedio erecto-conniventia, apice acuta, basi non attenuata, c. 9 mm. longa, 2.5 mm. lata, utrinque glabra, trinervata.

Labellum ovatum, suberectum, c. 8 mm. longum, ecarinatum elamellatumque, supra medium trilobatum, lobis lateralibus subintegris latere exteriori c. 6 mm. longis latere interiore c. 2.5 mm. longis infra apicem 2 mm. latis apice rotundatis columnam amplectentibus, lobo intermedio patente, suborbiculari, c. 5 mm. lato, margine inaequaliter perdentato, dentibus obtusis, superne a medio labelli sursum prope apicem sparse fimbriato-cristato, calcare cylindrico recto obtuso 3 mm. longo 1.5 mm. lato. Columna erecta, 4 mm. longa, 2 mm. lata.

Nom. Jap. Furisode-yagara (nov.)

Hab. Formosa; praef. Taitoo, Riran-shichoo, Tokobanryo, (KOKICHI SEGAWA! Feb. 15, 1933. Typus in Herb. Segawae).

30) *Cymbidium aspidistrifolium* FUKUYAMA, sp. nov.

Terrestre, erectum, c. 35 cm. altum, basi distiche pluri-vaginatum,

Flores c. 10, erecti vel subnutantes, subpatentes, in apice caulis subdense racemosi, parte florifera 4 cm. longa erecta glabra, bracteis ovato-lanceolatis, apice acuto-acuminatis, basi leviter contractis, utrinque glabris, 3-5-nervatis. pedicellis cum ovariis 5-10 mm. longis basi gracilibus a meido sursum apicem dilatatis. Sepala aequilonga, intermedio ligulato apice apiculato basi haud contracto plus minusve carnosio utrinque glabro 9 mm. longo 3 mm. lato 5-nervato, lateralibus intermedio subaequiformibus sed paullo falcatis, latere inferiore truncatis, apice apiculatis