

2. Pileus green; stipe white to yellowish ..... f. *viscosa*.
3. Pileus olivaceous or green; stipe yellow-orange to orange ..... f. *aurantipes*.
4. Pileus dull orange-yellow; stipe greenish ..... f. *anthocephala*.
5. Plants entirely greenish or olivaceous ..... f. *Stevensonii*.
6. Plants greenish or green, ramoso-lobate ..... f. *portentosa*.
7. Plants entirely green ..... f. *chlorosoma*.
- II. Plants small, less than about 1.5 cm. in length.
8. Plants entirely yellowish-ochraceous or ochraceous ..... f. *minima*.
9. Plants entirely greenish or green ..... f. *atrovirens*.

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## Studia Orchidacearum Japonicarum. VIII.

Orchidaceae Formosae et Insulae Kōtō-syo Novae Atque Criticae.  
auctore

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*Received June 15, 1935.*

### 66) **Gastrochilus quercetorum** FUKUYAMA, sp. nov.

Epiphyticus, longe adpresso prostratus, radicibus e caule emittentibus filiformibus flexuosis teretibus ¼-1 mm diametentibus glabris, caulis 10-25 cm. longis 1.5-2 mm. diametentibus laxiuscule foliatis cum vaginis foliorum toto facie obtectis glabris.

Folia patentia, alterna, disticha, elliptica, interdum longe elliptica, apice oblique breveque acuta, basi contracta, in petiolos per breve abeuntia, 1-2 cm. longa, medio 6-8 mm. lata, crassa, supra medio leviter unisulcata, subtus convexa, utrinque sparse purpureo-punctata vel purpureo-maculata, glabrata.

Racemus lateralis, 1-2-floratus, breviter pedunculatus, pedunculis rectiseulis c. 5 mm. longis glabris pauci-vaginulatis, vaginulis inferioribus tubiformibus ore truncatis sursum sensim in bracteas decrescentibus, bracteis minutis triangulatis acutis glabratis.

Flores apertentes, flavescentes, rubro-fusco-maculati, inter apices sepalorum intermediorum et fundos saccorum c. 1.3-1.5 cm. diametentes, pedicellis rectis bracteas multo superantibus c. 1 cm. longis glabris. Sepala crassa, patentia, glabra, sepalo intermedio elliptico-ovato apie rotundato basin versus plus minusve attenuato c. 5 mm. longo supra medium 3.5 mm.

Iranumiriku (N. FUKUYAMA! Nov. 2, 1934. no. 4827.).

Distrib. Philippines, Formosa, Insl. Kōtō-syo.

78) **Sarcanthus viridescens** FUKUYAMA, sp. nov.

Epiphyticus, patulus vel subpendulus, c. 10–20 cm. longus, radicibus filiformibus ramosis flexuosis glabris rugulosis, caulis paullo curvatis medio in exsiccato c. 5 mm. diametentibus cum vaginis foliorum toto facie obtectis.

Folia patentia, paullo arcuata, alterna, disticha, inter se 1–1.5 cm. distantia, linearia, apice inaequaliter biloba, lobo altro subnullo, ad summam obtusa, basi paullo contraeta, cum vaginis cylindricis articulata, lamina c. 10–15 cm. longa, medio c. 1.5 cm. lata, crassa, subcarnosa, supra viridia, subtus vix pallidiora, utrinque glabra et subnitida.

Scapus viridis, oppositifolius, paucis ramosus, quam folia plerumque brevior, parte pedunculari vivo c. 2 mm. in diametro et remote paucisquamatus, racemis ramorum c. 3–4 cm. longis densiusculae multifloris, bracteis viridibus late deltoideis acutis glabris pedicellis multo brevioribus.

Flores subapertientes, viridescentes, c. 4 mm. diametentes, pedicellis cum ovariis viridibus paullo curvatis c. 3–4 mm. longis glabris. Sepalum intermedium viridescens, ligulatum, apice rotundato-obtusum, basi non contractum, c. 4 mm. longum, medio  $2\frac{1}{2}$  mm. latum, vix concavum, subcrassum, glabrum; sepala lateralia intermedio similia, sed paullo angustiora et obliqua. Petala viridescentia, anguste oblonga, paullo obliqua, apice acutiuscula, ad basin plus minusve angustata, c. 4 mm. longa, medio  $1\frac{1}{2}$  mm. lata, subcrassa, glabra.

Labellum sepalis paullo brevius, albescens, basi saccatum, trilobatum, lobis lateralibus ad latera sacci erectis oblique triangulatis acutis c. 1 mm. longis, lobo intermedio incrassato semiorbiculato c. 1 mm. longo glabro, saecu recto c.  $1\frac{1}{2}$  mm. longo paullo complanato apice subtruncato intus lamina longitudinali instructo. Columna erecta, subteres, c. 1– $1\frac{1}{2}$  mm. alta, antice valde concava. Anthera cordato-orbiculata; pollinia 4. per paria subconnata.

Nom. Jap. Ao-mukade-ran (nov.).

Hab. Formosa; insl. Kōtō-syo, in pluviisilvis prope Imaururu, c. 200 m. alt. (N. FUKUYAMA! Jul. 7, 1934. no. 4818. Typus in Herb. Orch. Fuk.), in pluviisilvis prope Irararai. c. 100 m. alt. (N. FUKUYAMA! Jul. 29, 1934. no. 4819.), in pluviisilvis inter I'yayu et summum montem Kōtō-zan (N. FUKUYAMA! Jul. 1934. no. 4820).

(To be continued.)

May 29, 1935.

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