A Contribution to the Knowledge of the Flora of Japan.
(Continued from p. 20.)
By
Tomitarô Makino.

- **\( \alpha \). atronervata** Makino.
  - Veins of the labellum dark-purple.
  - *Hab*. JAPAN.
- **\( \beta \). viridis** Makino, nov. var.
  - Labellum wholly green with deeper green veins.


- Small, 5-7 decim. high, stoloniferous, with fibrous roots. Stem erect, simple, or 1-3-ramose above. Leaves few to several, angustate, linear, obtuse at the apical tip, carinate dorsally, about \( \frac{1}{2} \) cm. wide, exceeding the stem in height. Fruit-heads 1-4, small, spherical, \( \frac{1}{2} \) \( \frac{1}{2} \) cm. across. Fruits numerous, small, obovato-turbinate, truncate-rounded at the apex, shortly beaked with-
the base of a remaining style, longitudinally few-ribbed, about 4 mm. long, 2 mm. across.


_Hab._ JAPAN (T. MAKINO!).

**Sparganium macrocarpum** MAKINO; MATSUM. _Ind. Pl. Jap._ II. 1 (1905), p. 23.

Robust, stoloniferous; rhizome short, thick; roots fibrous, many. Stem erect, 1 m. or more high, shortly ramose above. Leaves several, long, laticline, carinate dorsally, about 1 cm. wide, with an obtuse tip. Fruit-heads large, 1-3 to a branch, globose, 2-3 cm. in diameter. Fruits numerous or subnumerous, turbinate, longitudinally angulate, depressed-rounded at the apex, beaked with the basal portion of a remaining style in centre of the top, 8-11 mm. long, 7-11 mm. across.


_Hab._ JAPAN (T. MAKINO!).

**Anemone cernua** Thunb. _var. flava_ MAKINO, nov. var.

Scape light green; flower yellow.

Nom. Jap. Kihana-okinagita (nov.).

_Hab._ Prov. HIDA: Near Matsumori (Chōzō SHIMIZU! 1926.).

**Pachysandra terminalis** Sieb. et Zucc. _forma subrhombea_ MAKINO, nov. f.

Leaves shortly petiolate, rhombically ovato-orbiculate, broadly cuneate and entire towards the base, manifestly coarsely crenate, about 6½ cm. long, 5½ cm. broad.

Nom. Jap. Hiroka-fukkisō (nov.).

_Hab._ HOKKAIDŌ: Kuchan in prov. Iburi (EISHIRO WAKABAYASHI! Aug. 1925.).

**Sasa Hisauchii** (Makino) MAKINO, nov. comb.

**Pseudosa Hisauchii** MAKINO, Thr. _Pl. N. Jap._ (1925), p. 2.

Culm erect, ramose above, attaining about 1½ m. in height and 5½ mm. in diameter, smooth, terete, fistulose; nodes glabrous, hardly prominent; internode long, with bloom under the nodes when young; branches solitary to the each node, erect-patent, slender, repeatedly ramulose in age above, sheath puberulent when young but afterwards glabrate excepting the appressedly hirsute base, ciliated on margin, deciduous; microphyll subulate-lanceolate, very sharply acuminate. Leaves about 2 to 5 towards the apex of slender branchlets, palmately arranged, lanceolate or narrowly lanceolate, attenuatedly acuminate with a very sharp point, rounded-obtuse or acute at the base, very shortly petiolate, 7-26 cm. long, ¾-3½ cm. wide, chartaceous-coriaceous, glabrous, green above, glabrous beneath, ascendingly spinuloso-ciliated on one side and thinly spinuloso-scabrous on the other side, sometimes narrowly decay on margin in
winter; midrib very slender, prominent beneath, smooth; veins 8-7 on each side; veinlets very finely tessellate beneath; petiole 2-7 mm. long, flat, cuneate by the decurrence of the blade, glabrous, sometimes with bloom in front when young; sheaths closely enclosed the branchlets, finely striate, often pubescent; ligule very short, truncate or depressed-rounded, minutely ciliated on margin, minutely pubescent dorsally, 1-1.5 mm. long; laminae setaceo-filiform, pale, soon deciduous, attaining 6 mm. long.


Hab. Prov. SAGAMI: Mt. Hakone (K. HISAUCHI July 24, 1921).

This was found by Mr. KIYOTAKA HISAUCHI, and I have named this new bamboo in his honour.


Nom. Jap. Ōgon-kamurozasa (nov.).

Hab. JAPAN, gardens.

Pleioblastus Chino (FRANCH. ET SAV.) MAKINO, nov. comb.


Hab. JAPAN, common.

var. argenteo-striata MAKINO.


Hab. JAPAN, gardens.

var. Laydekeri (BEAN) MAKINO, nov. comb.


Hab. JAPAN, common on Mt. Hakone, prov. Sagami.

Pleioblastus variegata (SIEB.) MAKINO, nov. comb.


Hab. JAPAN, gardens.

var. viridis MAKINO.


forma a. pubescens MAKINO.


Hab. JAPAN.

forma b. glabra MAKINO.


Hab. JAPAN.

Ranunculus ternatus THUNB. forma pallidus MAKINO, nov.

The upper surface of petals pallid.

Nom. Jap. Gin-kokimpoge (nov.).

Hab. Prov. MUSASHI: Tōkyō, cult. in KYOKAI-HIROSE’s Garden.
forma obcordatus MAKINO, nov. f.
Petals obovate, emarginate at the apex.
Nom. Jap. Sakurazaki-kokimóge (nov.).
Hab. Prov. MUSASHI: Tôkyô, l.c.

var. Hiroseanus MAKINO, nov. var.
Flowers double with the numerous and narrow petals.
Nom. Jap. Yae-kokimóge (nov.).
Hab. Prov. MUSASHI: Tôkyô, l.c.

A very pretty variety. I have named in memory of Mr. KYOKAI HIROSE.

var. duplex MAKINO, nov. var.
Petals numerous, obovato-oblong, yellow, the inner stamens changing into
the small green petaloid nectary-like bodies, with a green short stipe in centre
of the flower and at the top of the stipe bears a collection of small many
green petals which are yellow towards the apical portion.
Nom. Jap. Daizaki-kokimóge (nov.).
Hab. Prov. MUSASHI: Tôkyô, l.c.

Pseudopyxis depressa MIQ. var. angustiloba MAKINO, nov. var.
Corolla-lobes narrower, thicker and sulcate towards the centre, involute
on margins.
Nom. Jap. Hoshizaki-inamorisô (nov.).
Hab. Prov. MUSASHI: Mt. Takao (T. MAKINO!).

var. variegata MAKINO, nov. var.
Leaves green, pale (very slightly yellowish)-greenish-variegated on the both
sides of the midrib.
Nom. Jap. Furi-inamorisô (nov.).
Hab. Prov. MUSASHI: Mt. Takao (T. MAKINO!).

Celastrus articulatus THUNB. var. stephanotifolius MAKINO, nov. var.
Branches umber, dispersed with minute lenticels; branchlet of this year
viridescent, terete, glabrous but partly slightly puberulent with ascending pale
hairs. Leaves petiolate, elliptical, acuminate at the apex, obtuse or acute at
the base, crenate, deep-green and glabrous above, paler and pubescent on the
midrib, veins, and main veinlets, 7-11 cm. long, 3½-5½ cm. wide.
Nom. Jap. Shitaki-tsurumemonodoki (nov.).
Hab. Prov. MUSASHI: Mt. Takao (T. MAKINO! 1926.).
The leaves remind that of Stephanotis japonica MAKINO.

Peucedanum japonicum Thunb. var. purpurascens MAKINO, nov. var.
Common petiole and rachises purplish and finely purple-striate. Leaflets
glanco-viridescent with the purple midrib veins and finely reticulated con-
spicuous veinlets (areoles with a free venule).
Nom. Jap. Murasaki-botambhû (nov.).
Hab. Prov. SAGAMI: Hayama (T. MAKINO! 1926.).

(To be continued.)