



Ditto. (Circ. 4×)

the gynoecium. The tepals subulate linear almost equalling ovary. Ovary ellipsoid symmetrical, minutely stipitate; stigmas 2, short, thickly subulate. Pedicel of fruit minute ascending. Capsule ellipsoidal dark reddish brown, clearly 12-ribbed isolobous, both valves persisting, usually nearly prostrate.

Nom. Jap. *Usu-kawagolomo*.

Hab. Japonia, Kiusiu: Prov. Ohsumi, in the river Mayegawa (Type! leg Y. Dor! Aug.—Decemb. 1928.) in the river Anrakugawa (leg. Y. Dor! Aug.—Decemb. 1928.).

---

## A Contribution to the Knowledge of the Flora of Japan.

(Continued from Vol. V. p. 48.)

By **Tomitarô Makino**, Sc. Dr.

---

**Azalea Makinoi** (TAGG) MAKINO, nov. comb.

*Rhododendron Makinoi* TAGG ex NAKAI in NAKAI ET KOIDZ., Trees and Shrubs Jap. Prop. ed. 2, I. (1927), p. 61, fig. 26.

var. *Muranoana* MAKINO. nov. var.

Corolla 5-divided and pentapelalous; segments cuneate towards the base, obovato-rotundate above, rounded or emarginated at the apex, maculate with small dots in the face.

Nom. Jap. *Kurumazaki-hosobashakunage* (nov.).

*Hab.* JAPAN, very rare (TOKIYA MURANO!).



*Azalea Makinoi* MAK. var. *Muranoana* MAKINO.

*Distylium racemosum* var. *pendulum* MAKINO, nov. var.

Branches pendulous. Otherwise as in the type.

Nom. Jap. *Shidare-isu* (nov.).

*Hab.* Prov. SATSUMA (T. MAKINO! 1928.).

**Oreocharis primuloides** BENTH. ET HOOK. FIL. var. **albiflora** MAKINO, nov. var.

Flower pure white.

Nom. Jap. *Shirobana-iwagirisô* (nov.).

*Hab.* Prov. MUSASHI: Tomioka, cult. (T. MAKINO!).

**Kingko biloba** L. var. **epiphylla** MAKINO, nov. var.

Leaves often fruit-bearing.

Nom. Jap. *Ohatsuki-ichô*.

*Hab.* JAPAN, planted.

**Ulmus Kijimana** MAKINO, nov. sp.

Deciduous tree with small-sized leaves.

For the descriptions refer the next number of this Journal.

Nom. Jap. *Tsukushi-nire* (nov.).

*Hab.* Prov. ÔSUMI (T. MAKINO! 1928.).

**Phellodendron Kodamanum** MAKINO, nov. sp.

Tree with an erect large trunk, and glabrous leaves.

The descriptions will appear in the next number of this Journal.

Nom. Jap. *Chûgoku-kiwada* (nov.).

*Hab.* Prov. HARIMA: Tokura-tôge (T. MAKINO! 1928.).

**Pleioblastus Masamuneanus** MAKINO, nov. sp.

*Arundinaria Masamuneana* MAKINO, MSS.

A small evergreen bamboo; rhizome repent, hypogaeous, terete, smooth, with stout hard fibrous roots at the nodes. Culm low, gracile, erect, terete, fistulose, glabrous, smooth, green or more or less purpurascens, loosely ramose; node slightly prominent, puberulose; internode white-bloomy under the node. Leaves pinnato-palmately arranged with about 5-6 towards the top of branchlets, linear-oblong, acuminate with a sharp point at the apex, rounded or obtuse but acute in the superior ones at the base, shortly petiolate, spinuloso-ciliated on margins, chartaceo-membranaceous, glabrous on both surfaces, green above, subglaucous beneath, about 10-20 cm. long, 17-23 mm. broad; midrib slender, pale, prominent beneath; veins 5-6 on each side; veinlets minutely tessellate with rectangular areolae mixed with square ones; petiole flattened, subcuneate, pale-viridescent, glabrous and subcarinate in back, puberulous at the base in front, 3-7 mm. long; ligule about 1½ mm. long, rather thin, pale, rounded or truncato-rounded at the apex, ciliated on margin; sheath closely encircling, finely striate, glabrous, light green or purpurascens shoulder-fimbriae erect, filiform, pale, deciduous.

Nom. Jap. *Genkei-chiku* (nov.).

*Hab.* Prov. ÔSUMI: Yakushima (GENKEI MASAMUNE! 1928.).

**Erigeron pseudo-annuus** MAKINO, nov. sp.

*Erigeron annuus* var. *pseudo-annuus* MAKINO, MSS.

A biennial. Stem caespitose, erect, ramose above, dispersed with antrorse-lays appressed hairs, deep green. Leaves deep green, appressedly thinly hairy; basal ones lanceolate or broad-lanceolate, acute, remotely and coarsely dentate, slenderly long-attenuated below into a narrowly winged and entire-margined petiole; upper ones sparse, narrowly lanceolate, sessile, entire or few-dentate above, more or less shining; venation conspicuously elevato-reticulated above; midrib and veins elevated and veinlets slightly impressed beneath. Inflorescence, heads, involucre and ray-flowers as in those of *E. annuus* L. Flowers scarcely later than *E. annuus* L.

Nom. Jap. *Yanagiba-himejoon* (nov.).

*Hab.* Prov. MUSASASHI: Ôidzumi (T. MAKINO! 1928.).

This one is commonly found in association with *E. annuus* L., from which it can be distinguished without difficulty; it differs also from *E. ramosus* BSP., which is not settled yet to this country. I suppose that this plant probably arose in Japan by mutation.

***Quercus takaoyamensis* MAKINO var. *yokohamensis* MAKINO, nov. var.**

*Quercus yokohamensis* MAKINO in sched. herb.

An evergreen tree; branchlets erect-patent, terete, glabrous, dark-fuscous when dried, scattered with minute lenticels. Leaves false-verticillately approximate at the top of branchlets, spreading, rather long petiolated, lanceolate, caudato-acuminate at the apex, cuneate-acute at the base, entire, glabrous, green and shining above, light green beneath, chartaceo-coriaceous, 8-15 cm. long, 1½-3 cm. broad; midrib pale, prominent beneath; veins tender, about 9-12 on each side, erect-patent, nearly straight or slightly arcuate above, reaching near the margin, prominent beneath; transverse veinlets fine and prominent beneath; petiole about 8-23 mm. long, straight, tumid at the base. Bud slender-conical, closely imbricated with gilvo-ciliate-margined and obtuse-tipped scales, which are shaded with purple towards the margin and appressedly hairy towards the apex dorsally.

Nom. Jap. *Hime-akagashi* (nov.).

*Hab.* Prov. MUSASHI: Yokokama (KIYOTAKA HISAUCHI!).

***Cucurbita moschata* DUCH. var. *melonaeformis* (CARR.) MAKINO in Bot. Mag., Tokyo, XXVI. (1912), p. 132.**

**forma a. *yokohamana* MAKINO.**

*Cucurbita melonaeformis* CARR. in Rev. Hort. (1880), pp. 137, 431.

Fruit small, about 12-15 cm. across.

Nom. Jap. *Wase-bôfura* (nov.).

*Hab.* JAPAN, cultivated.

**forma b. *vulgaris* MAKINO, nov. f.**

Fruit larger, compressed, sulcate, usually uneven in surface.

Nom. Jap. *Bôbura* (erroneously *Tônasu. Kabocha*).

*Hab.* JAPAN, cultivated, common.

(To be continued.)