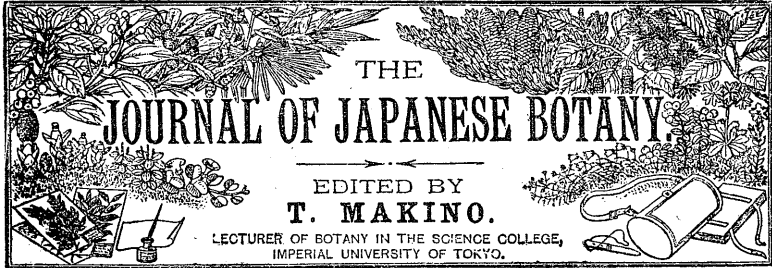


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## A Contribution to the Knowledge of the Flora of Japan.

(Continued from p. 30.)

By

Tomitarō Makino.

***Vitis rufo-tomentosa* MAKINO, nov. comb.**

*Vitis flexuosa* var. *rufo-tomentosa* MAKINO in Bot. Mag., Tokyo, XX.  
(1906), p. 12.

*Vitis flexuosa* var. *Thomsoniana* MAXIM. in litt., non PLANCHON.

Nom. Jap. *Ke-sankakudzuru*.

Hab. JAPAN, southern.

***Vitis yokogurana* MAKINO, nov. sp.**

Leaves ovato-orbiculate or broadly ovate, shortly acuminate, widely cordate at the base, mucronately coarsely depressed-crenate, about 7-10½ cm. long, 5-8½ cm. broad, glabrous above, thinly rufo-tomentose beneath, coriaceous-chartaceous; petiole stout, about 2-5 cm. long. Thyrsus, flowers and berry as in *V. saccharifera* MAKINO.

Nom. Jap. *Yokogura-uidô* (nov.).

*Hab.* Prov. TOSA: Mt. Yokogura (T. MAKINO!).

Very rare. A supposed hybrid between *Vitis flexuosa* THUNB. and *V. saccharifera* MAKINO. It grows on limestone rock.

***Vitis Thunbergii* SIEB. ET ZUCC.**

***a. typica* MAKINO.**

*Vitis Thunbergii* SIEB. ET ZUCC. in Abh. Akad. Muench. IV. 2 (1843), p. 98.

Leaves usually trilobed, sometimes sub-quinquelobed.

Nom. Jap. *Ebi-dzuru*.

*Hab.* JAPAN, common.

***β. partita* MAKINO. nov. var.**

Leaves quinqueparted with rotund sinuses, but sub-quinqueparted in those of the superior ones; lobes deeply few-sinuate or shallowly so, sometimes repand-dentate. Otherwise as in the type.

Nom. Jap. *Kikuba-ebidzuru* (nov.).

*Hab.* JAPAN, not uncommon.

***Vitis Shiragai* MAKINO** in Journ. Jap. Bot. I. no. 4 (Apr. 1917), p. 105 (Jap.) with figure.

A vine with widely trailing stem, which is woody in age; branches slender, often subflexuous, several-angulate (often nearly alate) and finely striate, thinly tomentose when young, but densely so towards the growing point; tendril slender, thinly tomentose when young, forked above. Leaves rotund-cordate or subreniform-cordate, often 3-angulate or 3-angulato-lobed above, acute or sub-acuminato-acute with a mucronate tip at apex, cordate with rotund lobes and a deep or wide sinus at base, very depressedly angulato-dentate with a mucronate tip, chartaceous or membranaceous, glabrate above, thinly tomentose with wools beneath, about 7-15cm. long, 6½-12cm. wide; ribs and veins prominent beneath, pubescent; petiole slender, thinly tomentose, 2-11cm. long. Thyrsus shorter than the leaves, with small bracts and bracteoles; rachis thinly tomentose. Flower small, pedicellate, greenish, rather dense in male but rather loose in pistiliferous one; pedicel shorter than or equal to the flower in length, gracile, but somewhat stouter in the pistiliferous flower. Male flower about 2mm. long; alabastrum obovoid. Calyx small, very short, thinly and entirely margined. Petals 5, narrowly obovate, 1-nerved. Stamens 5. Disk thick and conspicuous. Pistiliferous flower ovoid in alabastrum. Calyx as in the male flower. Petals 5, ovato-oblong, 1-nerved. Stamens 5, hardly shorter than the pistil in length. Disk 5-lobed. Ovary ovoid; stigma subsessile,

large, thick, subpeltate, concave in centre. Berry unknown yet.

Nom. Jap. *Shiraga-budô*.

Hab. Prov. BITCHÛ (T. MAKINO!).

I have named this species in memory of Mr. JUKICHI SHIRAGA. It was discovered by me at first in summer 1914. The angulate branch serves as a peculiarity on this species. It has a resemblance to *Vitis Labrusca* LINN. of North America.

**Chrysanthemum leucanthum** MAKINO, nov. comb.

*Chrysanthemum lavandulaefolium*  $\beta$ . *leucanthum* MAKINO in Bot. Mag., Tokyo, XXV. (1911), p. 11.

*Chrysanthemum japonicum* var. *leucanthum* MAKINO in Sched. herb.

Hab. Prov. MUSASHI.

Nom. Jap. *Shirobana-aburagiku*.

Probably a hybrid between *Ch. japonicum* (THUNB.) MAKINO and *Ch. lavandulaefolium* (FISCH.) MAKINO. It was found in wild in the vicinity of Chôfu-mura, prov. Musashi by Mr. MOICHI SUZUKI.

(To be continued.)

## Extract aus „Annales Mycologici“ Vol. XIII. (1915).\*

### II. Dothideaceae Nitschke.

#### I. Coccoideae.

43. *Yoshinagella* v. Höhn. Fragm. zur Myk. no. 804. (1913)

Stromata dothideoidea superficialia, pede centrali innata, medio sterilia; loculis immersis rotundis, annulatum peripherice dispositis. Ascis parophysatis octosporis. Sporis continuis (maturis?) hyalinis.

1. *Y. japonica* v. Höhn. l. c.

Auf Blättern von *Quercus glauca*, Japan.

In Hedwigia XLIII, 1914, p. 143, beschrieb Paul Hennings als *Yoshinagaia Quercus* n. gen. einen auf Blättern von *Quercus glauca* in Japan vorkommenden Pilz, der er den Coccoideaceae (Syll. Fung. XVIII, p. 860) zuteilte; das Material war 1902 von Yoshinaga gesammelt worden. In den „Fragmenten zur Mykologie“ VII, no. 335 besprach v. Höhnel die neue Gattung und zeigte, dass die Hennings'sche Diagnose Elemente dreier verschiedener Pilze enthielt und deshalb hinfällig sei; die drei Bestandteile wurden als ein unreifer Discomyzet, eine Excoipulee (*Japonia* v. Höhn. n. gen.) also dessen Konidialform, und eine Sphaeroidee (*Microperella* v. Höhn. n. gen.) genau beschrieben!

In der Überzeugung, dass diese Ausführungen v. Höhnels' auf einem Irrtum beruhten, sandte nun Herr T. Yoshinaga das von ihm 1902 gesammelte Material samt weiteren Kollektionen von *Quercus acuta* und *Q. glauca* an v. Höhnel zur Nachprüfung. Darauf stellte letzterer fest (Frag. XV, n. 804), dass das übersandte Originalmaterial, übereinstimmend mit dem anfangs untersuchten des Berliner Museums, nur die beschriebenen drei Pilze enthielt und eine Gattung *Yoshinagaia* in Sinne Hennings nicht vorhanden war (den unreifen Discomyceten bezeichnete

\* Siehe die Mitteilung von Yoshinaga in dieser Heft (japanisch).