Hab.

Honsyū: Ōuti, prov. Suō (Z. NIKAI, no. 512, anno 1895).

Kyūsyū: Ōmura, prov. Higo (K. MAYEBARA, no. 3692, anno 1923—typus in Herb. Imp. Univ. Tokyo); Sue, prov. Higo (K. MAYEBARA, no. 3693, anno 1920).

Planta endemica.

Contributions to the Knowledge of the Systematics of *Morus* in Japan. XVII.

Morus in Cultivation. XII.

By

Teikichi Hotta.

Received April 26, 1939.

(1) ***Morus bombycis*** KOIDZUMI, Bot. Mag. (Tokyo), XXIX, p. 313 (1915).

Nom. Jap. *Yama-guwa*: *Saichi**, (*Saichi***), *Saberi-guwa*, *Sarasaroso*, *Sekiko*, *Sendawase*, *Shiroshidare*, *Shiromakado*, *Shirokimaru*, *Shiroshita*, *Shioyasen*, *Shioyasen No. 1*, *Shidarekunitomi*, *Shirotaneguwa*, *Shiranami*, *Shirakiyamato*, *Shidaregonhichi*, *Shyohichi*, *Shimoshirazu*, *Shinseinishiki*, *Somatsuaka*, *Soshyu No. 5-6*, *Sunakawaoku-guwa*, *Sugekiyo*, *Tachikawanishiki*, *Tazima*, *Tazimawase*, *Takekawawase*, *Tateyamawase*, *Tainaiwase*, *Takagioha*, *Tagoakagi*, *Takayamawase*, *Takakura*, *Tahei*, *Takagi*, *Takaayazuru*, *Tenga*, *Tosukewase*, *Tomikuwanishiki*, *Tokuzayemon*, *Toroguwa*, *Tsurukawa*, *Tsushimayaso*, *Tsushimayamaguwa*, *No. 4*, *Tsukimaru*, *Tsukumo*, *Uchidawase**, *Umayamaoha*, *Unetaoshi*, *Unryu*, *Wakanoura*, *Yamato*, *Yabusame*, *Yasu-guwa*, *Yanai*, *Yayechizira*, *Yamadawase*, *Yakuno*, *Yazima*, *Yamakuwaokute-guwa*, *Yamaguchiowase*, *Yendo-guwa*, *Yekichi*, *Yeziu-guwa*, *Yomo* (*Yomokobore***), *Yoshira*, *Yokaichi*, *Zenpachi*, *Zinba*.

var. ***Sansiuwase*** HOTTA, var. nov.

Ramulus fere solite magis inflexus. Gemmae longe tri-angulatae. Folium cordatum, subtus insigniter pubescens.

Nom. Jap. *Sansiuwase*.

* The Japanese names written in *Italic* are of the cultivated races.

** The Japanese names written in the parenthesis are synonyms or vernacular names of the cultivated races.

var. **Kuzukuwa** HOTTA, var. nov.

Ramulus rufus. Folium plerumque 2 lobatum, subtus fere pubescens, basi aperte cordata, margine parvo dentato-serrata vel crenato-dentata, basi aperte cordata, apice auminato.

Nom. Jap. *Kuzukuwa*.

var. **Yoneyamai** HOTTA, var. nov.

Ramulus declinatus, fuliginosus. Ramulus solito magis inflexus, breviinternodalis. Folium 2-4 lobatum vel non lobatum, subtus pubescens, apice acumenato, margine dentato-serrata vel crenato-dentata.

Nom. Jap. *Kuroofushimagari* (*Kuroirofushimagari*).

Remarks. *Kuroofushimagari* is a hybrid between *M. bombycis* KOIDZ. and *M. alba* LINN.

var. **Nagayewase** HOTTA, var. nov.

Folium cordatum vel fere ovatum, non lobatum, supra scabrum, apice longiacuminato subtricuspidato.

Nom. Jap. *Nagayewase*.

var. **Akameyentaka** HOTTA, var. nov.

Syn. *M. bombycis* KOIDZUMI, var. *caudatifolia* KOIDZUMI, Acta Phytotax, Geobot., VI, 2, p. 11 (1937).

Ramulus solito magis inflexus, tenuis, fere rufus. Folium 2-4 lobatum, subtus fere pubescens, apice fere longi-acuminato vel caudato, basi aperte cordata.

Nom. Jap. *Akameyentaka*.

var. **Shiromeyentaka** HOTTA, var. nov.

Ramulus rufus. Folium varie lobatum, apice acuminato vel fere longi-acuminato raro subutri-cuspidato, basi aperte cordata vel truncata. Petiolus tenuis.

Nom. Jap. *Shiromeyentaka*.

var. **Kanichi** HOTTA, var. nov.

Cortex rufus, tenuis. Folium lobatum vel non lobatum, subtus fere pubescens, apice fere longi-acuminato vel caudato.

Nom. Jap. *Kan-ichi* (管市).

var. **Niken** HOTTA, var. nov.

Forma apicis vel bicornia vel aperte bicornia, margine fere parva dentato-serrata.

Nom. Jap. *Niken* (二剣).

Remarks. This variety was originally cultivated in Matsuno village, Nishikanbara district, Prov. Yechigo.

var. **Yunotani** HOTTA, var. nov.

Folium 2-3 lobatum, apice longi-acuminata vel fere caudata, margine parvo dentato-serrata vel crenato-dentata.

Nom. Jap. *Yunotani* (湯ノ谷).

var. **Senmai** HOTTA, var. nov.

Petiolus prelumque omnino pubescens. Apex folii fere subulatus vel longi-acuminatus, margine fere parva, dentato-serrata.

Nom. Jap. *Senmai-guwa* (千枚桑).

var. **Yohei** HOTTA, var. nov.

Folium supra scabrum, spice longi-acuminato subtri-cuspidato, margine magna dentato-serrata.

Nom. Jap. *Yohei*.

Remarks. This variety was originally cultivated in Shinozi village, Minamitoru district, Prov. Kai.

var. **Akashidare** HOTTA, var. nov.

Ramulus declinatus, rufus. Folium cordatum vel ovatum supra valde viride varie lobatum vel non lobatum, apice longi-acuminato vel caudato.

Nom. Jap. *Akashidare*.

Remarks. *Akashidare* culta of the said a hybrid between *M. bombycis* KOIDZ. and *M. latifolia* POIRET.

var. **Koshiorihime** HOTTA, var. nov.

Folium lobatum vel non lobatum, apice longi-acuminato vel subulato subtri-cuspidato.

Nom. Jap. *Koshiorihime* (古志織姫).

Remarks. *Koshiorihime* was originally cultivated, Prov. Yechigo.

form. **Ohbawase** HOTTA, var. nov.

Ramulus rufus. Folium fere parvum, apice acuminato, basi truncata vel aperte cordata, margine plerumque crenato-dentata ad apicem convexa.

Nom. Jap. *Ohbawase* (大場早生).

Hab. In hortis culta.

Remarks. *Ohbawase* was elected from Roso seedling of Tsuruwase by T. MORITANI in Toyota village, Higashimurayama district, Prov. Uzen.

form. **Mikawanakajima** HOTTA, var. nov.

Ramulus fere tenuis. Folium 4 lobatum vel non lobatum, cordatum vel ovatum apice fere longi-acuminato vel caudato raro acuminato.

Nom. Jap. *Mikawanakajima*.

form. **Itowase** HOTTA, var. nov.

Ovarium depresso cordata. Folium supra scabrum, margine irregu-

lariter dentato-serrata.

Nom. Jap. *Itowase* (伊東早生).

form. **Giokuko** HOTTA.

Ramulus fere tenuis. Folium ovatum vel ovato-ellipticum, cordatum, apice fere sululato vel longi-acuminato.

Nom. Jap. *Giokuko*.

form. **Taiso** HOTTA, f. nov.

Ramulus rufus. Folium 2-4 lobatum vel non lobatum, apice fere longi-acuminato vel caudato vel acuminato, prelumque subito-cuspidato.

Nom. Jap. *Taiso-guwa* (大蘇桑).

form. **Kamijiyo** HOTTA, f. nov.

Ramulus erectus, rufus. Folium ovatum vel ovato-ellipticum, non lobatum, margine parva dentato-serrata.

Nom. Jap. *Kamijiyo* (上條).

form. **Kakiya** HOTTA, f. nov.

Folium cordatum vel obatum, apice fere subulato vel longi-acuminato, margine irregulariter dentato-serrata vel obtusa.

Nom. Jap. *Kakiya* (柿屋).

(2) **Morus latifolia** POIRET in LAMARCK, Encycl. Bot., IV. p. 38 (1796).

Nom. Jap. *Roso*: *Sashiki-roso*, *Seihichi*, *Seihaku No. 1-2*, *Seito No. 13*, *Seijiuwase*, *Shiromekumataka*, *Shinsen*, *Shiromeryu*, *Shikakuko*, *Shinkoku-yaso*, *Shiromekeiso*, *Shirowase*, *Shyosen*, *Shiroshyo*, *Shiodono*, *Shinshiro-wase*, *Shozi*, *Sononishiki*, *Shosen*, *Soshyu*, *Sosan-guwa*, *Sunakawanishiki*, *Tamakuwa*, *Teikoku* (貞國), *Taishyomaru*, *Tenichi*, *Tohei*, *Tomei-guwa*, *Tokutomi-roso*, *Tsushimayama-guwa*, *Waseokukawa-roso*, *Yamanashi-roso*, *Yamabunishiki*, *Yamanishiki*, *Yayei*, *Yehichi*, *Yoshibei*, *Yosooha*.

var. **Mamono** HOTTA, var. nov.

Ramulus tenuis. Folia membranacea vel coriacea, supra fere rugosa, valde viridia, margine parvo dentato-serrata.

form. **Shinka** HOTTA, f. nov.

Ramulus fere tenuis. Folium fere coriaceum vel membranaceum, margine obtusa vel dentato-serrata, apice fere longi-acuminato.

Nom. Jap. *Shinka-guwa* (進化桑).

form. **Ayaichi** HOTTA, f. nov.

Folium fere rugosum, margine leviter crenato-dentata vel dentato-serrata.

Nom. Jap. *Ayaichi* (綾市).

form. **Tano** HOTTA, f. nov.

Apex duplo-emarginata margine irregulariter crenato-dentata vel dentato-serrata.

Nom. Jap. *Tano-guwa* (多野).

(3) **Morus alba** LINN, Sp. Pl. ed. 1, p. 986 (1753).

Nom. Jap. *Karayama-guwa: Obabashyo, Odate, Omoto, Onnajiiumonzi, Oshima, Osedawase, Shiraishi, Shiosawa, Shirakijiumonzi, Shirosodo, (Shiromeshodo), Shinriki, Shirotago, Shihomaru, Shirakiichibei, Shiromejiiumonzi, Taishyotago (Taishyoroso), Takowase, Tanbamaru, Takebaawo, Tamachizimi, Tennichi, Tenryu, Toyotomi-guwa, Tokyooha, Torunishiki, Tokuzyooha, Tsuzanyatsubusa, Uchino-guwa, Wasejiiumonzi, Yahagi-guwa, Yeizi-guwa.*

var. **Kairyodaruma** HOTTA, var. nov.

Ramulus erectus breviinternodalis. Folium lobatum vel non lobatum, dense foliatum, margine leviter dentato-serrata, petiolo 2-3 cm. longo.

Nom. Jap. *Kairyodaruma.*

var. **Hirozuru** HOTTA, var. nov.

Folium utrinque 4 lobatum, supra valde viride, fere nitidum, margine crenato-serrata, basi aperte cordata vel truncata vel profunde cordata. Petiolus brevis circ. 2.5-3 cm. longus.

Nom. Jap. *Hirozuru.*

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A Brief Note on *Photinia*.

By

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In connection with the preparation of the Flora of Fukien, I was unable to make sure of the status and affinities of *Photinia impressivena* HAYATA; it appeared to be very closely related to the species *P. euphlebia* MERRILL and CHUN, the type of which was available at the Arnold Arboretum. In order to verify my first impressions in regard to the close affinities of these two species, I wrote to Dr. T. NAKAI, Director of the Botanical