seminud.—HONDA, l. c. p. 308(1930).—MIYABE et KUDO, l. c. p. 113(1931).

Nom. Jap. *Shiro-ketodashiba* (NAKAI).

Hab. in Mt. Apoi, Samani, etc. Fl. Aug.

Dist. sp. Kyushu, Shikoku, Honshu, Yezo, Korea, China, Manchuria, Ussuri and Amur.

In some individuals of var. *livens*, even culms are densely villose.

Beckmannia Host.

642⁽⁷⁾ **Beckmannia Syzigachne** FERNALD in Rhodora 30, p. 27 (1928).—MIYABE et KUDO, Fl. Hokk. & Saghal. II, p. 150(1931).—ROSHEVITZ in Fl. URSS. II, p. 288(1934).—HITCHCOCK, Man. Grass. U. S. p. 487, f. 1036 & p. 805(1935).

Syn. *Panicum Syzigachne* STEUDEL in Flora XXIX, p. 19 (1846).

Beckmannia erucaeformis (non Host) HONDA, Monogr. Poac. Jap. p. 152(1930).

Beckmannia baicalensis HULTÉN, Fl. Kamt. I, p. 119(1927).

Nom. Jap. *Kazunokogusa* (MAKINO).

Hab. between Unbe and Utoma. Fl. Aug.

Dist. Kyushu, Shikoku, Honshu, Yezo, Kuriles, Saghalien, Korea, China, Manchuria, Amur, Kamtchatka, Siberia and N. America.

(To be continued.)

Hypericorum Japonicarum Descriptio. I.¹⁾

Auctore

Yojiro Kimura.

Cum 5 Figuris.

Acceptum die 23^a Januarii 1938.

1) **Hypericum oliganthum** FRANCHET et SAVATIER, Enum. Pl. Jap. II, p. 229(1876); Y. KIMURA in NAKAI, Iconogr. Pl. Asiae Orient. II, p. 86, t. 38(1937).

var. **typicum** Y. KIMURA (Fig. 1).

Caulis ascendens, decumbens vel suberectus. Folia copiose pellucido-

1) Contributio ex Laboratorio Botanicae Systematicae (Prof. T. NAKAI) Instituti Botanici Facultatis Scientiae Universitatis Imperialis Tokyensis.

Fig. 1. Formae *Hyperici oliganthi* FRANCH. et SAV. ca. $\times \frac{1}{3}$
a) forma *prostratum*, b) forma *parvifolium*, c) forma *montanum*,
d) forma *suberectum*, e) forma *elatum*.

punctata, margine copiose nigro-punctata. Sepala pellucido-striata, margine nigro-punctata vel ciliato-glandulosa. Petala epunctata vel pauce pellucido-striata vel punctata, margine nigro-punctata vel saepius papillosa.

Nom. Jap. *Aze-otogiri*.

forma **prostratum** Y. KIMURA forma nov.—Caulis a basi dense ramosus,

ramulis procumbentibus vel prostratis. Capsula saepius majora. Typus: Prov. Iga, Ueno (T. KUROKAWA, no. 25, 11 Oct. 1936 *T*¹⁾).

forma **montanum** Y. KIMURA forma nov.—Caulis laxae caespitosus saepius humilis. Folia tenuiora, saepius elliptica vel oblongo-obovata, apice rotundata, basi breviter petiolata. Habit in regione montana. Typus: Prov. Sinano; Sirouma (Y. KIMURA, no. 3852, 11 Sept. 1934 *T*).

forma **elatum** Y. KIMURA, forma nov.—Caulis laxae caespitosus vel solitarius, elongatus ca. 70 cm. longus. Folia caulina majora, 3 cm. longa 1 cm. lata, Folia ramorum minora, 1.5 cm. longa 0.4 cm. lata. Typus: Prov. Bungo; Yabakei (Y. NABESIMA, 14 Aug. 1929 *T*).

forma **parvifolium** Y. KIMURA, forma nov.—Caulis dense caespitosus saepius humilis. Folia parva, ca. 5–10 mm. longa, 1.2–5 mm. lata. Typus: Prov. Kii; Kowadani (F. MAEKAWA, no. 8238, 11 Aug. 1934 *T*).

forma **suberectum** Y. KIMURA, forma nov.—Caulis ascendens suberectus, laxae caespitosus, oligorameus ca. 30–40 cm. altus. Folia ca. 15 cm. longa, 6 cm. lata. Forma vulgaris. Typus. Prov. Iwasiro; mt. Bandai (S. HATTORI, 30 Jul. 1925 *T*).

var. **kiusianum** Y. KIMURA var. nov. (Fig. 2).

Planta robustior Caulis saepius suberectus vel ascendens. Folia copiose pellucido-punctata, margine paucè nigro-punctata, 15–35 cm. longa, 5–10 mm. lata. Sepala pellucido-striata punctataque, margine nigro-punctata. Petala pluri (ca. 4)-pellucido-striata, margine nigro-papillosa.

Nom. Jap. *Nagasaki-otogiri*.

Distrib. *Kyûsyû*.

Specimina examinata: Prov. Hizen; Mt. Unzen (Y. DOI, no. 3, 14 Aug. 1926 *T*—Typus; F. C. GREATREX, no. 85/31, 1931 *T*), Nagasaki F. C. GREATREX, no. 85/31 (2), 1932 *T*). Prov. Higo; Mt. Hukaba (K. MAEBARA, no. 2343. 30 Aug. 1932 *T*).

Fig. 2.

Hypericum oliganthum

FRANCH. et SAV. var.

kiusianum Y. KIMURA.

Petalum $\times 10$.

Sepalum $\times 10$.

var. **Muraianum** (MAKINO) Y. KIMURA stat. nov.

Hypericum Muraianum MAKINO in Journ. Jap. Bot. VII, p. 12 (1931).

Caulis decumbens vel ascendens. Folia nigro- et pellucido-punctata, margine nigro-punctata. Sepala pellucido-striata et paucè nigro-punctata,

1) Nota *T*: Specimen in Herb. Univ. Tokyo.

marginē nigro-papillosa vel punctata. Petala ca. 5 mm. longa pellucido-striata nigro-punctataque, marginē pauce nigro-papillosa.

Nom. Jap. *Iwate-otogiri*.

Distrib. *Honsyû septentrionalis*.

Specimina examinata: Prov. Rikutyû; Omyôzin-mura Hasiba (S. MURAI, 17 Oct. 1930 *K*¹⁾).

2) ***Hypericum Yamamotoi*** MIYABE et Y. KIMURA in Bot. Mag. Tokyo LI, p. 731 (1937).

var. ***osimense*** Y. KIMURA var. nov. (Fig. 3, b).

Caulis ascendens ca. 35 cm. altus, caespitosus indivisus. Folia elliptica vel oblongo-ovata, 3–4 cm. longa, 1.8–2.3 cm. lata, apice rotundata vel leviter emarginata, internodiis saepe longiora, nigro-punctata, marginē nigro-punctata. Bractaeae ovatae. Sepala 5–7 mm. longa, lanceolata vel oblonga, nigro-punctata marginē pauce nigro-punctata. Petala oblonga ca. 12 mm. longa, pellucido-striata apice pauce nigro-punctata, marginē epunctata. Stamina ca. 45–60. Ovarium 3–3.2 mm. longum, stylis elongatis ca. 6–7 mm. longis, ovario ca. duplo longioribus.

Nom. Jap. *Sengen-otogiri*.

Distrib. *Yezo*.

Specimina examinata: *Yezo*: Prov. Osima; in summo montis Ôsengendake (T. ISIYAMA, no. 335, 12 Aug. 1935 *H*²⁾).

Fig. 3. *Hypericum Yamamotoi* MIYABE et Y. KIMURA. ca. $\times 1/4$.

a) var. *riparium* Y. KIMURA.

b) var. *osimense* Y. KIMURA.

1) *K*: Specimen in Herb. Univ. Imp. Kyoto.

2) *H*: Specimen in Herb. Univ. Imp. Hokkaido.

var. **riparium** Y. KAMURA var. nov. (Fog. 3, a).

Caulis probabiliter caespitosus ascendens vel suberectus, ca. 50 cm. altus, simplex vel apice tantum ramosus. Folia ovata vel oblongo-ovata ca. 4 cm. longa 2 cm. lata, nigro- et pellucido-punctata. Bracteae ovatae et bracteolae ovatae vel lineari-lanceolatae. Sepala inaequalia 3–4–6 mm. longa, ovata vel oblonga, pellucido-punctata striataque, margine pluri-nigro-punctata. Petala ovato-oblonga vel elliptica 9.5–12 mm. longa 4–6.5 mm. lata, multo-pellucido-striata, margine apice tantum nigro-punctata. Ovarium 2.5–3.5 mm. longum, stylis 4.2–6.5 mm. longis ovario ca. duplo vel 1.5-plo longioribus.

Nom. Jap. *Kawara-otogiri*.

Specimina examinata: *Yezo*. Prov. Isikari; Toyohirakawara (J. MATSUMURA, 1 Aug. 1899 *T*), Toyohirakawara Yamanohana (H. YANAGISAWA, 8 Jul. 1912 *H*—Typus; legitor? no. 65, 1913 *T*).

3) **Hypericum hyugamontanum** Y. KIMURA sp. nov. (*Homotaenium*) (Fig. 4).

Caulis caespitosus ascendens, 20–30 cm. altus, simplex vel ramosus, gracilis, bilineis levitissime elevatis. Folia oblanceolata vel lineari-oblanceo-

Fig. 4. *Hypericum hyuga-montanum*

Y. KIMURA.

Petalum $\times 5$. Sepala $\times 10$.

lata, apice rotundata vel obtusa basi leviter attenuata, sessilia, 10–20 mm. longa 2–4 mm. lata internodiis longiora, subtus glauca, crebre et majusculae pellucido-punctata margine nigro-punctata, saepe gemmifera. Inflorescentia cyma dichotoma, pauciflora, bracteis foliaceis lanceolatis. Sepala inaequalia oblonga vel ovato-oblonga, apice obtusa ca. 3–4 mm. longa 1–1.6 mm. lata, pellucido-striata, margine stipitato-nigro-glandulosa. Petala oblonga, 8 mm.

longa, multo-pellucido-striata margine nigro-papillosa. Stamina ca. 50, 7–8 mm. longa. Ovarium ovato-oblongum ca. 3 mm. longum, stylis ca. 3.2 mm. longis. Captula conico-oblonga, ca. 5–7 mm. longa.

Nom. Jap. *Kumoi-otogiri*.

Distrib. *Kyûsyû*.

Specimina examinata: *Kyûsyû*. Prov. Hyûga; Mt. Sobosan (U. FAURIE no. 20 *K*; T. NAKAJIMA, Aug. 1911 *T*; Z. TASHIRO, 24 Aug. 1911 *T*—Typus; 29 Aug. 1923 *T*, 14 Aug. 1926 *T*, 31 Aug. 1935 *K*), Mt. Kirisima, Takatihonome (Z. TASHIRO, 7 Aug. 1918 *T*). Prov. Bungo; Mt. Sobosan (H.

TAKAHASI, 25 Jul. 1934 K). Prov. Higo; Mt. Aso, Nekodake (M. KÔZUMA, 28 Aug. 1926 T), Mt. Itibusa (Z. TASHIRO, K; K. MAYEBARA, 3 Aug. 1918 T); Mt. Hukabayama (S. TOKUNAGA, 8 Aug. 1913 K, T).

4) **Hypericum Miyabei** Y. KIMURA sp. nov. (*Homotacnium*) (Fig. 5).

Caulis dense caespitosus ascendens ca. 15 cm. altus, rarius usque ad 30 cm. altus simplex vel ramosus, bilineis elevatis. Folia oblonga vel ovata 2–2.5 cm. longa 6–13 mm. lata, apice obtusa basi obtusa vel subcordata, semi-amplexicaulia, nigro-punctata margine nigro-punctata. Inflorescentia racemoso-cymosa, pauciflora, bracteis ovatis, pedicellis gracilibus. Sepala leviter inaequalia oblonga vel lanceolato-oblonga, apice obtusa vel subacuta, 5–6 mm. longa, nigro-punctata, margine pauce nigro-punctata vel epunctata. Petala obovato-oblonga, ca. 11 mm. longa 4 mm. lata, nigro-punctata striataque margine nigro-punctata. Stamina ca. 55 ca. 6–9 mm. longa. Ovarium ovatum 2.8 mm. longum, stylis 6.4 mm. longis ovario fere duplo-longioribus. Capsula conico-oblonga, seminibus 0.8 mm. longis.

Nom. Jap. *Tôge-otogiri*.

Distrib. *Yezo*.

Specimina examinata: *Yezo*. Prov. Kusiro; Lac. Kuttyaro, Bihoro-tôge (Y. KIMURA, 2 Aug. 1937 T—Typus; M. TATEWAKI no. 19736, 1 Aug. 1933 H, no. 20193, 18 Aug. 1933 H), Lac. Kuttyaro, Nupuriondo (T. TOYOFUKU, no. 20385, 1 Aug. 1932 H).

Fig. 5. *Hypericum Miyabei*
Y. KIMURA.

Petalum $\times 5$. Sepalum $\times 10$.

5) **Hypericum conjunctum** Y. KIMURA sp. nov.

= *Hypericum erectum* THUNBERG $\times$ *H. oliganthum* FRANCHET et SAVATIER?
var. **typicum** Y. KIMURA.

Caulis caespitosus vel subsolitarius, procumbens, ascendens vel suberectus, 20–40 cm. longus, simplex vel apice ramosus, lineis non elevatis. Folia oblonga vel obovato-oblonga, 1–2 cm. longa 6 mm. lata, apice obtusa basi cuneata vel attenuata, sessilia vel subsessilia, subtus pallida, pluro et majusculo pellucido-punctata, margine nigro-punctata. Sepala inaequalia 5.3–7.5 mm. longa 1.3–2.8 mm. lata, lanceolata vel oblonga, pellucido-striata, et pauce nigro-punctata margine nigro-punctata. Petala 6 mm. longa nigro-punctata margine pauce nigro-papillosa. Stamina ca. 36, 3–4.3 mm. longa. Ovarium 2.5 mm. longum, stylis 1.6 mm. longis, ovario brevioribus.

Nom. Jap. *Marumi-otogiri*.

Specimina examinata: *Kyûsyû*. Prov. Higo; Kurohizi (K. MAYEBARA, no. 2337, Aug. 1935 *T*—Typus; no. 2331, no. 2334, 2335, Aug. 1935 *T*). *Honsyû*. Prov. Iga; Ayama-gun, Simagahara-mura (T. KUROKAWA, no. 30 et no. 54, 15 Aug. 1935 *T*). Prov. Ômi; Isiyama-mati, Hiratu (C. HASHIMOTO, 8 Aug. 1927 *K*).

var. **longistylum** Y. KIMURA var. nov.

Caulis caespitosus procumbens vel ascendens ca. 20–30 cm longus ramosus. Folia oblonga obovata, elliptica, 15–30 mm. longa 5–15 mm. lata, pluri-nigro-punctata vel pellucido-punctata margine nigro-punctata. Sepala inaequalia oblonga 3.2–3.5 mm. longa nigro-punctata margine nigro-punctata. Petala 7 mm. longa nigro-punctata. Stamina ca. 30, 5–7 mm. longa. Ovarium 2.3 mm. longum, stylis 3 mm. longis ovario longioribus.

Nom. Jap. *Maruba-otogiri*.

Specimina examinata: *Honsyû*. Prov. Musasi; Koiwamura (K. HISAUTI, 24 Aug. 1919 *T*). Prov. Sinano; Togakusi-Tyûsya (K. HISAUTI, 2 Aug. 1918 *T*—Typus). Prov. Ise; Gozaisyo-yama (S. KITAMURA, 6 Aug. 1936 *K, T*). Prov. Suô; Yosiki, Happôhara (T. NAKAI, Aug. 1908 *T*). Prov. Tikugo; Yame-gun, Kiyamura (Y. NABESIMA, 27 Aug. 1927 *T*).

6) **Hypericum erectum** THUNBERG, Fl. Jap. p. 296 (1784); Y. KIMURA in Bot. Mag. Tokyo, LI, p. 732 (1937).

var. **angustifolium** Y. KIMURA var. nov.

Caulis solitarius, 30–70 cm. altus, saepissime simplex, gracilis. Folia lanceolata vel lineari-oblonga, utrinque obtusa, ca. 3.5 mm. longa ca. 8–10 mm. lata, nigro-punctata margine nigro-punctata. Cyma dichotoma densis- sed pauci-flora, floribus parvibus. Sepala ca. 4 mm. longa, nigro-punctata margine nigro-punctata. Petala minora ca. 7 mm. longa, nigro-punctata vel brevi-striata, margine nigro-punctata.

Nom. Jap. *Hosoba-otogiri*.

Distrib. *Honsyû, Kyûsyû*.

Specimina examinata; *Honsyû*. Prov. Iwasiro, Sugakawa (S. HATTORI, 12 Aug. 1920 *T*). Prov. Sinano; Matubara-kohan (K. ÔI, no. 13, 21 Jul. 1929 *T*). Prov. Iga; Ayama-gun, Zyônanmura (T. KUROKAWA, no. 22, 19 Aug. 1934 *T*) et Simagahara-mura (T. KUROKAWA, no. 41, 13 Aug. 1935 *T*). Prov. Ômi, Koga-gun, Tarão-mura (T. KUROKAWA, no. 42, 13 Aug. 1933 *T*). Prov. Yamasiro, Sôraku-gun, Okawara-mura (T. KUROKAWA, no. 43, 13 Aug. 1935 *T*—Typus). Prov. Kawati; Nakakawati-gun, Hiraoka-mura (R. YOSHII, 25 Sept. 1931 *K*). Prov. Tanba; Hankoku-yama (K. TAKEUTI, *K*). Prov. Harima (H. MUROI, 29 Jul. 1935 *T*) Une-mura (H. MUROI, 29 Jul. 1935 *T*), Kako-gun, Kakosin-mura (S. MOTOOKA, 19 Aug. 1933 *K*). Prov.

Suô; Outi-mura (J. NIKAI, no. 368, 25 Jul. 1899 *T*). *Kyûsyû*. Prov. Hyûga; Takanabe (legitor? 27 Jul. 1882), Minaminaka-gun, Itigi-mura (I. MIKAI, Aug. 1922 *K*).

var. **papillosum** Y. KIMURA var. nov.

Caulis 30–60 cm. altus, solitarius, simplex vel apice ramosus. Folia ovata vel ovato-oblonga, apice rotundata vel retusa, 2.5(2–4)cm. longa, 15(9–16)mm. lata, nigro-punctata margine nigro-punctata. Sepala ovato-oblonga, 3.5–4.5 cm. longa, apice acutiuscula, nigro-punctata, margine nigro-punctata papillosaque. Petala 7.5–8.5 mm. longa, nigro-punctata margine nigro-punctata. Ovarium 2.5–3 mm. longum, stylis 3–3.2 mm. longis.

Nom. Jap. *Hiroha-otogiri*.

Distrib. *Honsyû*.

Specimina examinata: *Honsyû*. Prov. Iga; Ueno-mati (T. KUROKAWA, no. 24, 8 Sept. 1934 *T*—Typus; no. 52, 22 Jul. 1935 *T*).

7) **Hypericum ovalifolium** KOIDZUMI in Bot. Mag. Tokyo. XXXII, p. 61 (1918).

var. **typicum** Y. KIMURA.

Folia ovalia. Sepala 3–3.5 mm. longa. Petala 9 mm. longa 5 mm. lata. Ovarium 3.2 mm. longum, stylis 4 mm. longis.

Nom. Jap. *Ô-sinano-otogiri*.

Specimina examinata: *Honsyû*. ad ped. mt. Siroumadake (G. KOIDZUMI, Aug. 1917 *T*—Typus), Mt. Sirouma Kohinatayama (G. KOIDZUMI, 2 Aug. 1917 *K*), Mt. Sirouma Kitaazumi-gun Hokuzyô-mura (K. ZYÔ, 22 Aug. 1903 *T*), Mt. Sirouma (T. HARA, 4 Jul. 1917 *T*).

var. **Hisauchii** Y. KIMURA var. nov.

Folia oblongo-ovata. Sepala 4–4.5 mm. longa. Petala majora, 12.5 mm. longa, 5.2 mm. lata. Ovarium 3.7 mm. longum, stylis 6 mm. longis ovario plus longioribus.

Nom. Jap. *Togakusi-otogiri*.

Specimina examinata: *Honsyû*. Prov. Sinano, Mt. Togakusi (K. HISAUCHI, 4 Aug. 1918 *T*—Typus; 3 Aug. 1918 *T*; 5 Aug. 1918 *T*).