Hypericum Japonicarum Descriptio. II.¹⁾

Auctore

Yojiro Kimura.

Cum 5 Figuris.

Acceptum die 12^a Aprile 1938.

7) *Hypericum erectum* THUNBERG var. *deviatum* Y. KIMURA var. nov.

Caulis 55 cm. altus erectus solitarius vel laxe (2–3) caespitosus, simplex vel apice ramosus, potius rigidus et latus. Folia 2–3 cm. longa 1–1.5 cm. lata, ovato-oblonga nigro-punctata et saepe minutissime et paucè pellucido-punctulata, margine nigro-punctata et minutissime pellucido-punctata. Sepala 6 mm. longa ca. 2 mm. lata, nigro-punctata striataque, saepe pellucido-striata margine nigro-punctata. Petala parva 7 mm. longa nigro-punctata striataque et paucè pellucido-striata vel punctata, margine nigro-papillosa. Ovarium 3 mm. longum, stylis aequilongis. Stamina ca. 40.

Nom. Jap. *Nise-otogiri*.

Typus: *Honsyû*, Prov. Izu, Rendaiji (M. IGUTI, 10 Aug. 1934^T).

Fig. 6. *Hypericum erectum* var. *deviatum* Y. KIMURA

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

8) *Hypericum erectum* THUNBERG var. *lutchuense* (KOIDZUMI) Y. KIMURA, stat. nov.

Hypericum erectum THUNBERG: MASAMUNE, Fl. and Geob. Studies Isl. Yakusima p. 304 (1934).

Hypericum lutchuense KOIDZUMI in Acta Phytotaxonom. et Geob. IV, p. 41 (1935).

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

Fig. 7. Varietates *Hyperici erecti* ca. $\times 4.5$.

- a) var. *lutchuense* (KOIDZUMI) Y. KIMURA
- b) var. *deviatum* Y. KIMURA
- c) var. *angustifolium* Y. KIMURA
- d) var. *papillosum* Y. KIMURA

Caulis ca. 70 cm. usque ad 1 m. altus, latus et durus, basi ca. 5 mm. latus, solitarius, simplex vel paucè ramosus. Folia ovato-oblonga vel ovato-lanceolata, apice obtusa basi subcordata, 2–3.5–4 cm. longa 8–13–14 mm. lata, internodiis longiora, apice iis breviora, crassa, nigro-punctata et margine paucè vel copiose nigro-punctata et minutissime vel non pellucido-punctulata. Inflorescentia densiflora. Sepala oblonga 4.5–5.5 mm. longa nigro-punctata striataque, margine copiose vel parèe nigro-punctata et minutissime pellucido-punctata. Petala 8.5–9 mm. longa, nigro-punctata striataque, margine paucè nigro-punctata. Ovarium 2.5–3 mm. longum, stylis 3.2–3.5 mm. longis.

Nom. Jap. *Okinawa-otogiri*.

Distrib. Prov. Ôsumi, Ins. Yakusima, *Ryûkyû*.

Specimina examinata: Prov. Ôsumi: Yakusima K. MAYEBARA, no. 2340, 2 Aug. 1923 *T*; Y. DOI, no. 4, 3 Aug. 1935 *T*; G. MASAMUNE, 21 Jul. 1924 *T*). *Ryûkyû*; Ins. Okinawa (S. TAWADA, no. 122, 8 Mai. 1932 *K*-Typus).

9) ***Hypericum vulcanicum*** KOIDZUMI in Bot. Mag. Tokyo. XLIII, p. 398 (1929), Y. KIMURA in Bot. Mag. Tokyo. LI, p. 736 (1937).

var. ***typicum*** Y. KIMURA.

Folia ovato-oblonga, lanceolato-oblonga vel lanceolata, rarius elliptica, nigro-punctata et saepius minute pellucido-punctulata, margine nigro-punctata. Sepala acutiora nigro-punctata vel breve striata, margine fere epunctata vel nigro-punctata. Ovarium 2–3 mm. longum, stylis 2.8–5 mm. longis, ovario plus longioribus.

forma ***lucidum*** Y. KIMURA, forma nov.—Folia nigro- et pellucido-

punctata. Petala pellucido-striata et nigro-punctata. Vulgare in Yezo rarius in Honsyû. Typus: Yezo, Prov. Osima, Matumae-gun, Hutamata (T. ISIYAMA, no. 334a, 2 Aug. 1935 *H*).

forma **nigrum** Y. KIMURA, forma nov.—Folia et petala nigro-punctata tantum. Vulgare in Honsyû rarius in Yezo. Typus: Prov. Mutu, Towada, Yasumiya-Watase (N. SUIA, 4 Sept. 1934 *T*).

Nom. Jap. *Osima-otogiri*.

Distrib. *Yezo* australis, *Honsyû* septentrionalis.

Specimina examinata: *Yezo*—vide Bot. Mag. Tokyo. LI, p. 736. *Honsyû*: Prov. Mutu; Mt. Iwakisan (S. MURAMATSU, no. 78, 5 Aug. 1929 *K*—f. *lucidum*), Hakkôdasan (S. MURAI, no. 247, 23 Jul. 1933 et no. 248, 21 Jul. 1933 *K*—f. *lucidum*), Aomori, Simonoyu (U. FAURIE, no. 290 *K*), circa Hirosaki (legitor?, Aug. 1905 *K*),? Aomori, (U. FAURIE, 3 Sept. 1897 *K*), Towada (N. SUIA, 4 Sept. 1934 *T*), circa Towada (N. SUIA, 5 Sept. 1934 *T*). Prov. Rikutyû; Katuno-gun, Gonohayama (S. MURAMATSU, no. 62, 3 Aug. 1932 *K*). Prov. Rikuzen; Natori-gun, Akiu-mura, Ôtaki (S. MURAI, 2 Aug. 1932 *K*—f. *lucidum*), Akiu Bansin (S. MURAI, 3 Aug. 1932 *K*—f. *lucidum*) Prov. Ugo, Mt. Asahidake (S. MURAMATSU, No. 42, 23 Aug. 1932 *K*) Ninbetu (S. MURAMATSU, no. 46, 23 Jul. 1931 *K*), Towada (S. MURAMATSU, no. 74, 4 Aug. 1932 *K*), Oga-hantô (G. KOIZUMI, Sept. 1927 *K*), Toragesanroku (S. MURAMATSU, no. 37, 8 Aug. 1931 *K*), Yamamoto-gun, Hutatui-mati (S. MURAMATSU, no. 62, 3 Aug. 1932 *K*). Prov. Uzen; Mt. Iidesan (U. FAURIE, no. 1351, 31 Aug. 1898 et no. 1355, 18 Aug. 1898 *K*), Mt. Hunagatayama (G. KOIZUMI, 15 Sept. 1929 *K*).

var. **Matsumurae** Y. KIMURA var. nov.

Folia oblongo-lanceolata, pellucido-punctata tantum, margine nigro-punctata. Sepala 4.2–4.5 mm. longa 1.2 mm. lata, breve pellucido-striata, margine nigro-punctata. Petala 7 mm. longa 2.3 mm. lata pellucido-striata, margine tantum paucissime nigro-punctata. Ovarium 2–3 mm. longum, stylis 2.2–2.5 mm. longis, ovario fere aequilongis.

Nom. Jap. *Tanima-no-otogiri*.

Distrib. *Yezo*.

Specimina examinata: Prov. Isikari, Zyôzankei (J. MATSUMURA, 8 Aug. 1899 *T*—Typus).

10) **Hypericum kamtschaticum** LEDEBOUR var. **decorum** Y. KIMURA, var. nov.

Caulis 30 cm. altus. Folia elliptica vel ovato-oblonga, 32 mm. longa 15–17 mm. lata, pellucido-punctulata et marginem versus parce nigro-punctata margine nigro-punctata. Inflorescentia paniculato-cymosa, quam typico pluri-florifer. Sepala oblonga obtusa, 4.5–5–6 mm. longa,

nigro-punctata multo- rarius pauci-nigro-punctata. Petala 13 mm. longa 6 mm. lata, nigro-punctata tantum margine fere epunctata. Ovarium 3.2 mm. longum, stylis 5.8 mm. longis.

Nom. Jap. *Utukusi-otogiri*.

Distrib. *Honsyû*, Prov. Sinano. Habitat in regione montana altissima.

Typus: Kitazawa-tôge (Y. ASAHINA et K. HISAUCHI, no. 2219, 10-13 Aug. 1937 *T*).

Fig. 8. *Hypericum kamtschaticum* LEDEB.
var. *decorum* Y. KIMURA.
Petalum $\times 5$. Sepalum $\times 10$.

Fig. 9. *Hypericum perforatum* L.
var. *angustifolium* DC.
in Japonia.
Petalum $\times 5$. Sepalum $\times 10$.

11) ***Hypericum perforatum*** LINNÉ, Sp. Pl. ed. 1, p. 785 (1753) [*Heterotaenium*].

var. ***angustifolium*** DE CANDOLLE, Fl. France, VI, Suppl. p. 630 (1815) ; CHOISY in DC., Prodr. I, p. 550 (1824) ; FRÖHLICH in Sitzungsberich. der kais. Akad. der Wiss. in Wien, CXX, Abt. 1, p. 30 (1911) ut subsp.

Hypericum foliosissimum KOIDZUMI in Acta Phytotaxonom. et Geob. III, p. 215 (1934) syn. nov.

Nom. Jap. *Kogomeba-otogiri*.

Distributio speciei: *Europa*. *America septentrionalis* (ex Europa introductum, teste PURSH 1814 et A. GRAY 1897). *China*: Kisyû (vide Handel-Mazetti, Symb. Sinic. VII, p. 404—probabiliter ex Europa vel ex America introductum). *Japonia*: *Honsyû*, Prov. Sima (probabiliter ex Europa vel ex America introductum).

Specimina examinata: *Honsyû*, Prov. Sima, Kamomura, Arasima (*T*).

ITO, 27 Jul. 1934 *K*—Typus *H. foliosissimi*: A. SOBASIMA, no. 253, Jul. 1934 *T*; legitor? Jun. 1936, Oct. 1935 *K*; T. MAGOFUKU, 11 Jun. 1937 *T*).

12) ***Hypericum subalpinum*** Y. KIMURA sp. nov. [*Homotaenium*].

Caulis subsolitarius vel saepius caespitosus, suberectus vel ascendens, 15–60 cm. altus, simplex vel apice ramosus, bilineis non elevatis. Folia oblonga vel obovata, 15–40 mm. longa 9–18 mm. lata, internodiis saepius breviora, apice obtusa vel rotundata basi obtusa vel acuta, subsessilia vel semi-amplexicaulia potius tenera, nigro-punctata vel nigro- et pellucido-punctata margine nigro-punctata. Inflorescentia cyma dichotoma pauciflora, pedicellis gracilibus bracteolis oblongis, floribus saepius parvis. Sepala 2.6–4.5 mm. longa, oblonga vel lanceolata, apice acuta vel acutiuscula nigro-punctata margine epunctata vel pauce nigro- vel pellucido-punctulata. Petala 5.8–9 mm. longa nigro-punctata margine epunctata vel nigro-punctata. Stamina ca. 25–40, 4–8 mm. longa. Ovarium 2.1–3.2 mm. longum, stylis 1.8–5 mm. longis, ovario brevioribus vel longioribus. Capsula saepius angusta.

var. ***typicum*** Y. KIMURA.

Caulis 30–60 cm. altus. Folia pellucido- et nigro-punctata. Sepala 3.5–4.2 mm. longa; petala 8–9 mm. longa. Stamina ca. 40, antheris ca. 0.4 mm. longis. Ovarium 2.6–3.2 mm. longis, stylis 3.8–4 mm. longis ovario longioribus. Capsula ca. 1 mm. longa angusta.

Nom. Jap. *Sinano-yamaotogiri*.

Specimina examinata: *Honsyû*. Prov. Sinano, Kamikôti (Y. KIMURA, 15 Aug. 1934 *T*—Typus), Nakabusa-onsen (S. MOMOSE, 14 Aug. 1933) inter Nakabusa et Ariake (S. MOMOSE, 15 Aug. 1933).

Fig. 10. Varietates *Hyperici subalpini*, ca. $\times 4.5$

a) var. *parvifolium* Y. KIMURA

b) var. *typicum* Y. KIMURA

c) var. *longistylum* Y. KIMURA

var. **parviflorum** Y. KIMURA var. nov.

Caulis 15–30 cm. altus. Folia nigro-punctata tantum. Sepala 3 (2.6–4.5) mm. longa, rarius ad 5 mm. longa, nigro-punctata margine epunctata vel pellucido-punctulata. Petala 5.8–6.2 mm. rarius ad 8.2 mm. longa. Stamina ca. 27–30, antheris ca. 0.3 mm. longis. Ovarium 2.1–2.2 rarius ad 3.2 mm. longum, stylis ovario brevioribus ca. 1.8–2 mm. rarius 2.5 mm. longis.

Nom. Jap. *Yezo-yamaotogiri*.

Specimina examinata: Prov. Isikari, Mt. Daisetu (T. NAKAI, Aug. 1928 *T*) Mt. Daisetu, Kurodake (Y. KIMURA, no. a1–6, b1 (Typus) 23, c1–2, 4 Aug. 1937 *T*).

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

Caulis 15–40 cm. altus. Folia nigro-punctata tantum. Sepala minora 3–4 mm. longa, nigro-punctata margine nigro-punctata tantum. Petala majora, 8.5–9 mm. longa. Stamina ca. 40, antheris ca. 0.35–0.4 mm. longis. Ovarium ca. 2.8 mm. longa, stylis ca. 5 mm. longis, ovario plus longioribus.

Nom. Jap. *Nikkô-yamaotogiri*.

Specimina examinata: *Honsyû*, Prov. Simotuke, Nikkô, inter Yumoto-Kirigomiko (Y. KIMURA, no. 4417, 23 Aug. 1935 *T*—Typus et no. 4415, 23 Aug. 1935 *T*) Sirasugahama (Y. KIMURA, no. 4439, 23 Aug. 1935 *T*) et Sannô-tôge (Y. KIMURA, no. 4442, 23 Aug. 1935 *T*).

ERRATA.

(Hypericorum Japonicarum Descriptio I in Bot. Mag. LII, no. 616)

p. 190 linea 15 ^a	<i>pro</i> 15 cm.	<i>lege</i> : 1.5 cm.
p. 190 linea 16 ^a	<i>pro</i> 6 cm.	<i>lege</i> : 6 mm.
p. 190 linea 21 ^a	<i>pro</i> 15–35 cm.	<i>lege</i> : 15–35 mm.
p. 194 linea 24 ^a	<i>pro</i> 3.5 mm.	<i>lege</i> : 35 mm.
p. 195 linea 8 ^a	<i>pro</i> 3.5–4.5 cm.	<i>lege</i> : 3.5–4.5 mm.