HOKKAIDO UNIVERSITY

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MATERIALS FOR A FLORA OF HOKKAIDO. V.

By

KINGO MIYABE

and

YŪSHUN KUDŌ.

北海道植物志料 V.

宮部金吾

工藤祐舜

45. Hydrilla verticillata Royle, Ill. Bot. Himal. t. 376 (1839); Caspary, in Pringsh. Jahrb. I. p. 494; Hook. f. Fl. Brit. Ind. V. p. 659; Forb. et Hemsl. Ind. Fl. Sin. III. p. 1; Aschers. u. Gürke, in Engl. u. Prantl, Nat. Pfl.-fam. II. 1. p. 250. f. 184. a, b; Körsh. Acta Hort. Peterop. XII. p. 394; Aschers. u. Graebn. Syn. Mitteleurop. Fl. I. p. 398; Kawakami, Bot. Mag. Tokyo XII. p. (225); Diels, in Engl. Bot. Jahrb. XXIX. p. 220; Kom. Fl. Mansh. I. p. 237; Matsum. et Hayata, Enum. Pl. Formos. p. 405; Nakai, Fl. Kor. II. p. 216.

Serpicula verticillata L. f. Suppl. p. 416.—*Hydrilla verticillata*, var. *Roxburghii* Casp. l. c.; Miq. Prol. Fl. Jap. p. 159; Fr. et Sav. Enum. Pl. Jap. II. p. 17; Matsum. Ind. Pl. Jap. II. 1. p. 32.—*Hydrilla japonica* Miq. l. c.; Fr. et Sav. l. c. p. 18.

NOM. JAP. *Kuromo.*

HAB. *Yezo.* Prov. Iburi: Lake Osatsu (Y. Tokubuchi![1] 1893).—Prov. Kushiro: Lake Akan (Faurie! n. 10722, 1893; T. Kawakami![2] 1897; J. Hanzawa![3] 1904); Lake Tōro (J. Hanzawa! 1904).—Prov. Kitami: Lake Abashiri (Faurie! 1899).

DISTRIB. Yezo, Honshū, Kiushū, Riukiu, Formosa, Korea, Amur-region, Manchuria, China, Tropical Asia, Central Europe, Mauritius, Madagaskar and Australia.

As to the distribution of the species in the Japanese Archipelago, the Lake Abashiri is probably its northernmost locality.

46. Vallisneria spiralis L. Spec. Pl. ed. 1. p. 1015; Fr. et Sav. Enum. Pl.

1) 德淵永次郎。 2) 川上瀧彌。 3) 半澤洵。

Jap. II. p. 18; Hook. f. Fl. Brit. Ind. V. p. 660; Aschers. u. Gürke, in Engl. Nat. Pfl.-fam. II. 1. p. 252. f. 185; Aschers. u. Graebn. Syn. Mitteleurop. Fl. I. p. 405; Britton and Brown, Ill. Fl. I. p. 93; Forb. et Hemsl. Ind. Fl. Sin. III. p. 2; Hegi, Ill. Fl. Mitteleurop. I. p. 161. f. 75; Matsum. Ind. Pl. Jap. II. 1. p. 33; Nakai, Fl. Kor. II. p. 217.

Nom. Jap. *Itomo, Sekishōmo.*

Hab. *Yezo.* Prov. Oshima : Ōnuma (Y. Tokubuchi! 1888); Junsainuma (K. Miyabe![1] 1899; S. Nishida![2] 1913).—Prov. Ishikari : Lake Maoi (G. Yamada![3] 1899).—Prov. Iburi : Lake Osatsu (Y. Tokubuchi! 1893).—Prov. Kushiro : Lake Tōro (S. Nozawa![4] 1887); Lake Harutoru (K. Miyabe! 1894); Lake Akan (T. Kawakami! 1897; J. Hanzawa! 1904); Lake Kutcharo (K. Miyabe! 1915).

Distrib. Yezo, Honshū, Kiushū, Korea and widely distributed throughout Asia, Europe, Africa and North America.

47. Calanthe nipponica Makino, Bot. Mag. Tokyo XIII. (1899) p. 128; Matsum. Ind. Pl. Jap. II. 1. p. 237.

C. trulliformis King et Pantl. var. *hastata* A. Finet, Bull. Soc. Bot. de France XLVII. (1900) p. 267.

Nom. Jap. *Kinsei-ran, Kinsei-ebine.*

Hab. *Yezo.* Prov. Ishikari : Sapporo (T. Hasegawa![5] 1882); Nopporo (K. Miyabe! 1914); Manju (F. C. Greatrix! 1915).—Prov. Kushiro : Kutcharo, Huptainoshiri (K. Miyabe! 1915); Mt. Oakan (T. Kawakami! 1897).

Distrib. Yezo, Honshū, Shikoku, Kiushū.

48. Cymbidium virens Lindl. Bot. Reg. (1853) p. 24; Miq. Prol. Fl. Jap. p. 137; Fr. et Sav. Enum. Pl. Jap. II. p. 27; Yabe, Bot. Mag. Tokyo XVII. p. 143; Matsum. Ind. Pl. Jap. II. 1. p. 241.

C. virescens Lindl. Bot. Mag. Misc. p. 37; Iinuma et Makino, Zōtei Somoku Zusetsu IV. pp. 1067 et 1186.—*C. Goeringii* Rchb. f. in Walp. Ann. III. p. 547.

Nom. Jap. *Shunran, Hokuro.*

Hab. *Yezo.* Prov. Shiribeshi : Isl. Okushiri (T. Kawakami! 1900; C. Suzaki![6] 1914).

Distrib. Okushiri Island, Honshū, Shikoku, Kiushū.

49. Dactylostalix ringens Rchb. f. Bot. Zeit. XXXVI. (1878) p. 74;

1) 宮部金吾。 2) 西田彰三。 3) 山田玄太郎。 4) 野澤俊次郎。
5) 長谷川豐太郎。 6) 須崎忠助。

Pfitzer, in Engl. u. Prantl, Nat. Pfl.-fam. II. 6. p. 158.

Pergamena uniflora Finet, Bull. Soc. Bot. de France XLVII. (1900) p. 263 t. 8; Takeda, Hakubutsu-no-tomo VIII. n. 4. p. 16.

NOM. JAP. *Hime-hitoharan* (nov.).

HAB. *Yezo*. Prov. Ishikari : Mt. Nutakkanuishpe (A. Andō,[1] 1907; Hideo Koizumi![2] 1911).

DISTRIB. Yezo, Honshū.

50. Dactylostalix maculosa Miyabe et Kudo, sp. nov.

Dactylostalix ringens Makino, Bot. Mag. Tokyo XI. p. (413); Matsum. Ind. Pl. Jap. II. 1. p. 242? (non Rchb. f.)—*Pergamena uniflora* Makino, in Iinuma et Makino, Zōtei Somoku Zusetsu IV. pp. 1096 et 1210; Miyoshi and Makino, Atl. Alp. Pl, Jap. I. pl. 5. f. 28 (non Finet).

Rhizome horizontal, producing every year a tuber, a scape and a leaf, bearing a small bud at the end. Tuber almost perpendicular, slenderly elongate, tapering toward the end, villose throughout. Scape 16–20 cm in hight, erect but ascending at the base, glabrous, usually with two cataphylls. Leaf one, subradical, petiolate, ovate or elliptical, 4–6 cm long, 3–4 cm broad, obtuse at the apex, round or obtuse at the base, membranaceous, 5–6 nerved on each side; petiole broadly winged, 1. 2–2. 5 cm long, 5–6 mm broad, many nerved. Flower solitary on the top of the scape. Outer perianth lineae-oblong, obtuse or acutish at the apex, 3–nerved, greenish in color, 18–20 mm long, 2.5 mm broad, the upper one a little broader and thicker. Inner perianth slightly shorter than the outer, linear-oblong, 3–nerved, acutish at the apex, greenish. Labellum shorter than the inner perianth, 14 mm long, obovate-orbicular, 3–lobed, whitish with purple dots; lateral lobes small, almost orbicular, tinged with a large dot; middle one largest, codate, round at the apex, a little crisped on the margin, 5–nerved, with 2 small dots at the base, 7 mm long, 10 mm broad. Gynostemium oblong, 1 cm long, 3.5 mm broad, 3–nerved, winged on the margin.

NOM. JAP. *Hitoharan, Ichiyōran.*

HAB. *Yezo*. Prov. Oshima : Moheji (S. Ninouye![3] 1906 and 1907).

DISTRIB. Honshū and Southern part of Hokkaidō.

It is near to *Dactylostalix ringens* Rchb. f. from which it differs distinctly by its stouter stem and larger flowers, which have roundish labellum with conspicuos purple dots.

1) 安藤秋三郎。 2) 小泉秀雄。 3) 二ノ上七五三次郎。

51. Liparis Krameri Fr. et Sav. Enum. Pl. Jap. II. pp. 22 et 509 : Makino, Bot. Mag. Tokyo III. p. 7 ; Finet, Bull. Soc. Bot. de France XLVII. p. 262 ; Matsum. Ind. Pl. Jap. II. 1. p. 252 ; Nakai, Fl. Kor. II. p. 224.

Nom. Jap. *Jigabachisō.*

Hab. *Yezo.* Prov. Ishikari : Nopporo (K. Miyabe ! 1914).—Prov. Iburi : Mt. Eniwa (K. Miyabe and S. Arimoto ![1] 1912 ; M. Majima ![2] 1906).

Distrib. Yezo, Honshū, Shikoku and Korea.

52. Orchis cyclochila Maxim. Mél. Biol. XII. (1886) p. 548 : Finet, Bull. Soc. Bot. de France XLVII. p. 267 : Kom. Fl. Mansh. I. p. 511 : Nakai, Fl. Kor. II. p. 223.

Habenaria cyclochila Fr. et Sav. Enum. Pl. Jap. II. p. 516.—*Gymnadenia spec.* Miq. Prol. Fl. Jap. p. 139.—*Gymnadenia cyclochila* Korsh. Acta Hort. Peterop. XII. p. 396 ; Makino Bot. Mag. Tokyo, XI. p. (415) ; Iinuma et Makino, Zōtei Somoku Zusetsu IV. pp. 1097 et 1121 ; Matsum. Ind. Pl. Jap. II. 1. p. 249 ; Makino and Miyoshi, Atl. Alp. Pl. Jap. I. pl. 7. f. 41.

Nom. Jap. *Kamomesō, Kamome-ran, Ichiyō-chidori.*

Hab. *Yezo.* Prov. Kushiro : Shoro (K. Nishikawa ![3] 1914).

Distrib. Yezo, Honshū, Korea, Manchuria.

53. Thesium repens Ledeb. Fl. Alt. I. p. 274 et Fl. Ross. III. p. 539 ; DC. Prodr. XIV. p. 648 ; Fr. Schm. Fl. Sachal. p. 170 ; H. Takeda, Fl. Shikotan p. 484 ; Miyabe and Miyake, Fl. Saghal. p. 401.

Nom. Jap. *Kamayarisō, Hai-kanabikisō.*

Hab. *Yezo.* Prov. Hidaka : Mt. Apoi, Samani (K. Kondo ![4] 1912)

Kuriles. Isl. Shikotan : Shakotan (H. Takeda ![5] 1909).

Saghalin. Isl. Todomoshiri : Dainan (T. Miyake ![6] 1906) ; Kotan (T. Miyake ! 1906).—Kusunnai-Subdistrict : Kusunnai (Miyabe and Miyagi ![7] 1906).—Usutomanai-Subdistrict : Usutomanai (Miyabe and Miyagi ! 1906).—Tonnai-Subdistrict : Chishinai (Miyake ! 1908).—Motodomari-Subdistrict : Mt. Nupuripo (Miyake ! 1907).

Distrib. Yezo, Southern Kuriles, Saghalin, Dahuria, Baical-region and Altai.

54. Nuphar pumilum Smith, Engl. Bot. t. 2292 ; DC. Prodr. I. p. 116 ;

1) 有元新太郎。 2) 眞島政吉。 3) 西川冠次郎。 4) 近藤金吾。 5) 武田久吉。 6) 三宅 勉。 7) 宮城鐵夫。

Ledeb. Fl. Alt. II. p. 274 et Fl. Ross. I. p. 85; Regel, Fl. Ussur. p. 18 et Pl. Radd. Polyp. p. 126; Korsh. Acta Hort. Peterop. XII. p. 304; Kawakami, Bot. Mag. Tokyo, XII. p. (224); Kom. Fl. Mansh. II. p. 219.

Nuphar japonicum DC. var. *subintegerrimum* Matsum Ind. Pl. Jap. II. 2. p. 92 (non Casp).

NOM. JAP. *Yezo-kōhone, Nemuro-kōhone.*

HAB. *Yezo.* Prov. Kushiro : Lake Akan (T. Kawakami! 1897).—Prov. Nemuro : Otsuishi (K. Miyabe! 1884); Tomoshiri (K. Miyabe! 1884; S. Yamane![1] 1894); Shibetsu (K. Miyabe! 1884).

Kuriles. Isl. Kunashiri : Tōbutsu-mura, Kenitaushi (C. Yendo![2] 1894).—Isl. Etorofu : Toshimoi (T. Kawakami! 1898).

DISTRIB. Yezo, Manchuria, Amur-region, Siberia and Europe.

55. Cardamine Fauriei Franch. Bull. Soc. Phil. Paris (1888) p. 85; H. Boiss. in Bull. Herb. Boiss. VII. p. 792; Matsum. Ind. Pl. Jap. II. 2. p. 152.

C. geumifolia Koidz. Bot. Mag. Tokyo XXVII. p. (564).—*C. geifolia* Koidz. in Matsum. Ic. Pl. Koishi. II, p. 25. Pl. 97.

NOM. JAP. *Yezo-wasabi, Mitsuba-tanetsukebana.*

HAB. *Yezo.* Prov. Oshima : Ichinowatari near Shiriuchi (Miyabe and Tokubuchi! 1890).—Prov. Shiribeshi : Isl. Okushiri, Aonai (S. Yokoyama![3] 1891); R. Yoichi at Nakanosawa (T. Ishikawa![4] 1893); Inaotoge (Y. Takenobu and K. Mimashi![5] 1883; Y. Tokubuchi! 1888); Kumaishi (Miyabe and Tokubuchi! 1890).—Prov. Ishikari : Asahikawa (Hideo Koizumi! 1913); Kamuikotan (K. Miyabe! 1891); Yūbari (Y. Tokubuchi! 1893) : Utashinai (Y. Tokubuchi! 1892).—Prov. Teshio : Oketo (T. Ishikawa! 1892); Uyenbetsu (T. Ishikawa! 1891).—Prov. Iburi : Shitsukari (T. Kawakami! 1892).—Prov. Kitami : Nayoro (S. Yokoyama! 1892) : Okoppe (S. Yokoyama! 1892) : Sarubutsu (T. Ishikawa! 1892).

DISTRIB. Yezo and Honshū.

56. Cardamine nasturtiifolia Boiss. in Bull. Herb. Boiss. VII. (1899) p. 793; Matsum. Ind. Pl. Jap. II. 2. p. 153.

C. yezoensis Maxim. in litt.; Matsum. Bot. Mag. Tokyo IV. p. 11.—*C. Miyabei* Matsum. Ind. Pl. Jap. II. 2. p. 153.

NOM. JAP. *Yezo-no-janinjin.*

1) 山根 榮。 2) 遠藤千尋。 3) 横山壯次郎。 4) 石川貞治。
5) 武信由太郎. 三增久米吉。

HAB. *Yezo.* Prov. Hidaka : Saruru-sandō (K. Miyabe! 1884 : Tokubuchi! 1892); Saruru (Y. Tokubuchi! 1892 : Faurie, 1893) : Shoya (Y. Tokubuchi! 1892).

DISTRIB. An edemic species.

57. Cardamine tenuifolia Turcz. Fl. Baic.-Dahur. I. p. 120 : Maxim. Mél. Biol. IX. p. 4; Forb. et Hemsl. Ind. Fl. Sin. I. p. 44; Korsh. Acta Hort. Peterop. XII. p. 307; Palib. Fl. Kor. I. p. 27; Kom. Fl. Mansh. II. p. 362; Nakai, Fl. Kor. I. p. 56; Miyabe and Miyake, Fl. Saghal. p. 45.

Dentaria tenuifolia Ledeb. Fl. Alt. III. p. 43 et Fl. Ross. I. p. 130; DC. Prodr. I. 156 : Trautv. et Mey. Fl. Ochot. p. 16; Rgl. et Tiling, Fl. Ajan. p. 47; Maxim. Prim. Fl. Amur. p. 45; Fr. Schm. Fl. Sachal. p. 112.—*Dentaria tenella* Rgl. Fl. Ussur. p. 22, et Pl. Radd. Polyp. p. 176 (non Pursh.).—*Cardamine* Gmelin, Fl. Sib. III. p. 272. n. 41 t. 65.

NOM. JAP. *Hosoba-konronsō.*

HAB. *Yezo.* Prov. Kitami : Minami-sōya (Yanagisawa![1] 1911).

Saghalin. Mauka-Subdistrict : Mt. Mauka (T. Miyake! 1907).—Tonnai-Subdistrict; Kimunai (T. Miyake! 1908).—Russian Saghalin : Between Nuto and Chaiwo (T. Ishikawa! 1912) : Dui and Arakai (Glehn 1861).

DISTRIB. Northern Yezo, Saghalin, Korea, Manchuria, Amur-region, Dahuria, and Siberia.

New to the Flora of Hokkaidō.

58. Berchemia racemosa Sieb. et Zucc. in Abh. Akad. Muench. iv. II. (1843) p. 147; A. Gray, Bot. Jap. p. 384; Benth Fl. Hongk. p. 67; Maxim. Rhamn. Or. p. 5; Miq. Prol. Fl. Jap. p. 219; Fr. et Sav. Enum. Pl. Jap. I. p. 81; Forb. et Hemsl. Ind. Fl. Sin. I. p. 127; Werberbauer Rhamn. in Engl. u. Prantl, Nat. Pfl.-fam. III. 5. p. 406 f. 199 A–C; Diels, Fl. Centr. China p. 458; Matsum. et Hayata, Enum. Pl. Formos. p. 87; Matsum. Ind. Pl. Jap. II. 2. p. 337.

NOM. JAP. *Kumayanagi.*

HAB. *Yezo.* Prov. Iburi : Tomakomai (Y. Kudō and T. Yoshimi![2] 1915).

DISTRIB. Yezo, Honshū, Kiushū, Formosa, and China.

New to the Flora of Hokkaidō.

59. Eritrichium nipponicum Makino, Bot. Mag. Tokyo XVII. p. 51; Matsum. Ind. Pl. Jap. II. 2. p. 525; Miyabe and Miyake, Fl. Saghal. p. 334. pl. X. f.

1) 柳澤 某。 2) 工藤祐舜. 吉見辰三郎。

3–6.

NOM. JAP. *Miyama-murasaki.*

HAB. *Yezo.* Prov. Hidaka. : Mt. Apoi, Samani (K. Kondo! 1912).

Saghalin. Motodomari-Subdistrict : Chikaporonai (T. Miyake! 1907) : Mt. Nupuripo (T. Miyake! 1907).

DISTRIB. Saghalin, Yezo and Honshū.

60. Lonicera strophiophora Franch. in Bull. Soc. Philomath. Paris, Sér. 7. (1886) p. 142; A. Rehder, Syn. Lonic. in 14th An. Rep. of Mo. Bot. Gard. p. 95; Makino, Bot. Mag. Tokyo, XIX. p. 148 : C. K. Schn. Laubholzk. II. p. 703; Matsum. Ind. Pl. Jap. II. 2. p. 601.

Lonicera pilosa Maxim. Mél. Biol. X. p. 73; Fr. et Sav. Enum. Pl. Jap. II. p. 653; Kawakami, Dainippon Sanrinkwaihō. no. 219 (1901) p. 26, (non Willd.).— *Lonicera Amherstii* Dippel, Handb. Laubholzk. I. p. 263 f. 175 e. p.; Makino, Bot. Mag. Tokyo XVII. p. 208.—*Caprifolium Amherstii* O. Kuntze, Rev. Gen. Pl. I. p. 274. e. p.

NOM. JAP. *Arage-hyotanboku, Ohba-hyotanboku.*

HAB. *Yezo.* Prov. Shiribeshi : Isl. Okushiri (Miyabe and Tokubuchi! 1890; T. Kawakami! 1900).

DISTRIB. Island of Okushiri and Northern Honshū.

摘　　要

45. Hydrilla verticillata Royle. **くろも。**

膽振國長都湖、釧路國阿寒湖及塘路湖、北見國網走湖等に產す。

46. Vallisneria spiralis L. **いとも、せきしやうも。**

渡島、石狩、膽振、釧路等の湖沼中に生ず。

47. Calanthe nipponica Makino. **きんせいらん、きんせいえびね。**

石狩、釧路、兩國に產す。

48. Cymbium virens Lindl. **しゆんらん、ほくろ。**

本道に於ては奥尻島のみに產す。圖は增訂草木圖說第四輯千六十七頁にあり。

49. Dactylostalix ringens Rchb. f. **ひめひとばらん。**（新稱）

根莖は匍匐し先端に大形なる芽を生ず。一莖一葉一花。莖は細纖、上部に於て益細し、花も亦比較的小形なり。外花被片三個、膜質、三脈を有し、內花被片は二個、一乃至三脈を有し、膜質、唇瓣は三淺裂し、兩側裂片は極めて小形、中央裂片は大形にして卵狀長楕圓形又は長楕圓狀披針形、鈍頭、數脈を有し、膜質、斑点を欠く。蘂柱は中央部甚だ厚く兩側は薄くして翼狀をなす。本種は本道に於ては<u>ヌタクカムシユペ</u>山に產す。

50. Dactystalix maculosa Miyabe et Kudo. **ひとばらん、いちえふらん。**

根莖は匍匐し先端に小形なる芽を生ず。一莖一葉一花。莖は比較的太くして上部に至るも甚だしく細形とならず。花は前者より大形なり。外花被片三個、少しく厚くして綠色を呈し、三脈を有す。內花被片二個、厚くして綠色を呈し、三脈を有す、唇瓣は大形、三淺裂し左右の裂片は小形、殆と圓形、白色、內に二個の紫色の斑点を有す、中央裂片は大形、心臟形、圓頭、白色にして基部に二個の紫色の斑點を有す。蘂柱は扁平、其緣部は膜質、三脈を有す。本種は本道にては渡島國上磯郡茂邊地村に產す。圖は增訂草木圖說第四輯千九十六頁及び高山植物圖譜第一卷第五圖版(二十八號)にあり。

51. Liparis Krameri Fr. et Sav. **じがばちさう。**

石狩國及び膽振國に產す。

52. Orchis cyclochila Maxim. **かもめさう、かもめらん、いちえふちどり。**

釧路國に產す。圖は增訂草木圖說第四輯千〇九七頁にあり。

53. Thesium repens Ledeb. **かまやりさう、はひかなびきさう。**

北海道本島にては日高國<u>アポイ</u>山に產し、又千島にては支古丹島に產す又樺太にも生ず。

54. Nuphar pumilum Smith. **えぞかはほね、ねむろかはほね。**

釧路國及び根室國に產す。

55. Cardamine Fauriei Franch. **えぞわさび、みつばたねつけばな。**

渡島、後志、石狩、天鹽、北見等に於て通常に之れを產す。小泉氏の *Cardamine geifolia* と命ぜしは本種に外ならず。圖は植物圖編第二編第二集第九十七圖なり。

56. Cardamine nasturtiifolia Boiss. **えぞのじやにんじん。**

日高國、猿留及び庶野地方に限り本種を產す。

57. **Cardamine tenuifolia** Turcz. ほそばこんろんさう。

北見國南宗谷に產し又樺太に生ず。

58. **Berchemia racemosa** Sieb. et Zucc. くまやなぎ。

膽振國苫小牧、農科大學演習林内に自生す。

59. **Eritrichium nipponicum** Makino. みやまむらさき。

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60. **Lonicera strophiophora** Franch. あらげへうたんぼく、おほへうたんぼく。

後志國奥尻島に產す。