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MATERIALS FOR A FLORA OF HOKKAIDO X.

BY

KINGO MIYABE and YUSHUN KUDO.

北海道植物志料 X.

宮部金吾
工藤祐舜

124. Athyrium Yamadae Miyabe et Kudo, sp. nov.

Stipites ascendentes, parce squamosi, grisei, straminei, basin versus griseo-straminei, nitidi, sulcati, ca. 30 cm longi; paleis linearibus vel lineari-lanceolatis, castaneis. Frondes coriaceae, late ovatae, 47 cm longae, 26 cm latae, bipinnati-fidae: pinnae recto-patentes, mediae oblongo-lanceolatae, 20–23 cm longae, 7–8 cm latae; rachis pinnarum angustissime alata, glabra, grisea. Pinnullae alternatae, breviter petiolatae, rhomboideo-lanceolatae, 3–6 cm longae, 1.5–2 cm latae, sursum attenuatae, apice spinoso-obtusae, basi late cuneatae, pinnati-fidae vel pinnati-sectae, segmentis ovato-rhomboideis, oblongis, subdeltoideis, margine spinoso-dentatis, utrinque glabris. Nervi ultimi ordinis simplices vel bini furcati. Sori oblongi vel lineari-oblongi, secus nervum medium pinnulae regulariter biseriati. Indusium membranaceum, margine fimbriatum.

NOM. JAP. *Yezo-inuwarabi.* (nov.).

HAB. *Hokkaidō.* Prov. Shiribeshi: Raidentōge (G. Yamada![1] Oct. 6, 1901).

DISTRIB. An endemic species!

125. Melica (*Bromelica*) **striata** Hitchcock, in Rhodora VIII. (1906) p. 211; Robinson and Fernald, Gray's New Man. Bot. (1908) p. 152, f. 156.

1) 山田玄太郎。

Avena striata Michx. Fl. Bor. Am. I. (1803) p. 73; Gray's Man. Bot. ed. 6. p. 653, pl. 12, f. 1, 2; Britt. and Br. Ill. Fl. I. p. 172, f. 393.

Schizachne Fauriei Hack. in Fedde Reper. VII. (1909) p. 323; Miyabe and Miyake, Fl. Saghal. p. 582.

NOM. JAP. *Faurie-gaya.*

HAB. *Hokkaidō.* Prov. Ishikari: at the foot of Mt. Moiwa (Miyabe and Tokubuchi![1] July 29, 1891).—Prov. Kushiro: between Oboro and Akkeshi (Y. Kudo! July 4, 1917).

Saghalien. Toyohara-District: "in silvis Korsakof" (Faurie! n. 803, July 1908; a cotype specimen of the genus Schizachne Hack.).

DISTRIB. Native of North America. Introduced into our floral region.

126. Juncus Tokubuchii Miyabe et Kudo, sp. nov.

Caules recti vel adscendentes, 38–47 cm alti. Folia basilaria infimaque cataphyllina, superiora eorum et caulina frondosa, saepius caule breviora; vagina angusta, superne in auriculas duas obtusas membranaceas producta; lamina teres, unitubulosa, 5–20 cm longa, septis completis intercepta, superne sensim angusta, apice acuminata. Inflorescentia terminalis, composita, anthelata; rami firmi, recti, plus-minus patentes; capitula numerosa, discreta, pauci- (2– usque 10–) flora. Flores ca. 3 mm longi, cum fructu maturo 4.5–5 mm longi. Tepala viridia, subaequilonga, externa ovato-lanceolata, apice obtusa, interna lanceolata, apice acutiuscula. Stamina 3, tepalis paulo breviora. Fructus prismaticus, superne attenuatus, perigonum superans; pericarpium castaneum, rubro-fuscum. Semina basi apiceque longe caudata, cauda alba.

NOM. JAP. *Horomui-kogai.* (nov.).

HAB. *Hokkaidō.* Prov. Ishikari: Horomui (K. Miyabe! July 13, 1885 and July 2, 1895; Y. Tokubuchi! Sept. 22, 1894; J. Hanzawa![2] July 18, 1905); Tsuishikari (K. Miyabe! July 2, 1895; G. Yamada! Sept. 21, 1900). —Prov. Iburi: Oshamambe (T. Kawakami! Aug. 2, 1891).

DISTRIB. An endemic plant!

In the character of seeds this species is allied to *Juncus coarctatus* Buchenau of North America, from which it is, however, easily distinguished by

1) 德淵永次郎。
2) 半澤洵。

the forms of the inflorescence and by the subequal length of its perianth-segments, as well as by its habits.

127. Scilla Thunbergii Miyabe et Kudo, nom. nov.

Ornithogalum japonicum Thunb. Fl. Jap. p. 137.

Barnardia japonica Roem. et Schult. Syst. Veg. VII. p. 555; Kunth, Enum. Pl. IV. p. 337; Miq. Prol. Fl. Jap. p. 318; Fr. et Sav. Enum. Pl. Jap. II. p. 75.

Scilla japonica Baker, in Journ. Linn. Soc. XIII. p. 233; Kom. Fl. Mansh. I. p. 465; Wright, in Forb. et Hemsl. Ind. Fl. Sin. III. p. 127; Matsum. Ind. Pl. Jap. II. 1. p. 212 (non Thunb.).

NOM. JAP. *Tsurubo, Sandaigasa.*

HAB. *Hokkaidō.* Prov. Oshima: Yunokawa (F. C. Greatrex! Sept. 17, 1916); Hakodate (M. Nakamura! 1882); Fukuyama (Y. Tokubuchi! Aug. 15, 1888).—Prov. Ishikari: Kotoni, near Sapporo (Y. Takenobu![1]).—Prov. Hidaka: Uoenai (K. Miyabe! June 16, 1884); Horoizumi (K. Miyabe! Aug. 19, 1884; Y. Tokubuchi! Aug. 19, 1892.)

DISTRIB. Hokkaidō, Honshū, Kiushū, Tsushima, Liukiu, Korea.

As the specific name *Scilla japonica* had already been used by Thunberg for *Heloniopsis japonica* Maxim., we are obliged to give a new name to this plant.

128. Sedum Ishidae Miyabe et Kudo, sp. nov.

Viridum. Rhizoma incrassatum, cylindricum, elongatum, apice 1–2-caulum. Caulis glaberrimus, erectus, 7–10 cm altus. Folia sparsa, sessilia, viridia, patentia, lineari-oblanceolata, apice obtusa, basi cuneato-attenuata, margine dentata et papillosa, 1.3–2.5 cm longa, 4–5 mm lata, inferiora deminuta. Cyma laxiflora; pedicelli florum crassi, floribus breviores vel subaequilongi; floribus hermaphroditis, viridibus. Sepala 4–5, linearia, apice obtusa, ca. 2 mm longa. Petala 4–5, oblonga, in partibus superioribus acuta, tamen apice obtusa, ca. 4.5 mm longa. Squamae hypogynae 4–5, oblongae. Stamina 8 vel 10, petalis paulo longiora; filamentis luteis; antheris testaceis. Ovaria 4–5, oblonga, apice attenuata. Stigmata minuta.

1) 武信由太郎。

NOM. JAP. *Ao-iwabenkeisō*. (nov.).

HAB. *Hokkaidō*. Prov. Ishikari: Mt. Yubari (H. Yanagisawa[1] & A. Hamana![2] Aug. 7, 1912; S. Nishida![3] Aug. 7–9, 1913); Mt. Ashiupetnupuri (S. Nishida & H. Yanagisawa! Aug. 4, 1913; H. Koizumi![4] July 30, 1915); Meotoiwa, Mt. Ashiupetnupuri (S. Nishida! Aug. 3, 1914); Mt. Tokachi (T. Miyake![5] Aug. 28, 1903; H. Koizumi! Aug. 9, 1915); Mt. Furano (S. Nishida! July 25, 1916).

DISTRIB. An endemic species!

This species is unique among the species of *Sedum* in that it has tetra- as well as pentamerous flowers in the same inflorescence. Consequently, it could not be placed in any existing Section of the Genus. But the general habit of the plant gives an impression of its affinity to *Rhodiola* at first sight. But a closer examination shows that the plant is hermaphrodite, pentamerous as well as tetramerous, and green throughout with the exception of anthers.

129. Corydalis ochotensis Turcz. Bull. Mosc. (1846) p. 62; Ledeb. Fl. Ross. I. p. 103; Forb. et Hemsl. Ind. Fl. Sin. I. p. 37; Miyabe, Fl. Kuril. p. 216; Kom. Fl. Mansh. II. p. 347; N. Busch, Papaverc. in Fl. Sib. Or. p. 43.

Corydalis sibirica L. var. *ochotensis* Rgl. Pl. Radd. I. p. 143; Matsum. Ind. Pl. Jap. II. 2. p. 145.

Corydalis Raddeana Rgl. Pl. Radd. I. p. 145; Fr. Schm. Fl. Amg.-Burej. p. 32; Fr. et Sav. Enum. Pl. Jap. II. p. 275; Nakai, Fl. Korea. I. p. 47; Matsum. Ind. Pl. Jap. II. 2. p. 145.

NOM. JAP. *Tsuru-kikeman, Ohbano-miyamakikeman.*

HAB. *Hokkaidō*. Prov. Ishikari: Utashinai (Y. Tokubuchi! Sept. 24, 1892); Furano (S. Nishida! July 25, 1916).—Prov. Hidaka: Samani (Y. Tokubuchi! Aug. 9, 1892); Samani-sando (Y. Tokubuchi! Aug. 22, 1892; K. Kondo! Aug. 20, 1912).—Prov. Kushiro: Mt. Meakan (T. Kawakami! Aug. 1897); Gaggarababa (K. Miyabe! Aug. 7, 1884); Ombetsu (M. Nakamura! July 26, 1888).—Prov. Nemuro: Atsubetsu (D. Hoshi! Aug. 23, 1912).—Prov. Kitami: Oniwaki, Isl. Rishiri (T. Kawakami! Sept. 1, 1899);

1) 柳澤秀雄。 2) 濱名有貫。 3) 西田彰三。 4) 小泉秀雄。 5) 三宅驥。

Isl. Rebun (K. Miyabe! Aug. 23, 1894).

Kuriles. Without locality (ex Maximowicz.).

DISTRIB. Kuriles, Hokkaidō, Honshū, Korea, Manshuria, Amurland, Ussuri-region, Ochotsk, North China.

130. Mitella integrifolia Boiss. Bull. Herb. Boiss. V. p. 689; Matsum. Ind. Pl. Jap. II. 2. p. 183.

NOM. JAP. *Yezo-no-charumeruso.* (nov.).

HAB. *Hokkaidō.* Prov. Shiribeshi: Mt. Yoichi (I. Namikawa! Aug. 18, 1919); Mt. Karibasan (U. Faurie! n. 8270, July 10, 1892).—Prov. Hidaka: Saru (Faurie.).

Honshū. Prov. Rikuchu: Mt. Hayachine (G. Yamada & S. Sawada![1] June 15, 1907).—Prov. Mutsu: Mt. Iwaki (U. Faurie! n. 1406, Aug. 18, 1898).

DISTRIB. Hokkaidō and northern Honshū.

131. Gentiana Igarashii Miyabe et Kudo, sp. nov.

Gentiana algida Pall. var. *Igarashii* Miyabe et Kudo, apud Nishida, in Trans. Sapporo Nat. Hist. Soc. VII. p. 164, nom. nud.

Radix perennis fibrosa, valde ramosa. Caulis erectus, subflexosus, 10 cm altus, glaberrimus. Folia ima rosulata, vel fasciculata, oblanceolato-linearia, spathulato-linearia, apice calloso-obtusa, basi longe attenuata, amplexicaulia, uninervia, utrinque glabra, coriacea, supra viridia, subtus flavo-viridia, margine tenuiter cartilaginea et valde revoluta, 5–6.5 cm longa, 6–8 mm lata; caulina eis imis smilia, oblongo-lanceolata, ca. 3.5 cm longa, ca. 7.5 mm lata. Flores apice caulis saepe solitares vel bini, breviter pedicellati, 4.7 cm longi. Calyx tubuloso-obconicus, viridis, glaberrimus, cum lobis 2.2 cm longus, lobis valde inaequalibus, oblongis, oblongo-ovatis, oblongo-lanceolatis, coriaceis, 8–14 mm longis, 3.5–6 mm latis, margine revolutis, apice obtusis, valde reflexis. Corolla cylindrico-campanulata, calycem triplo superans, 5-lobata, lobis deltoideis, apice rotundatis, 8 mm latis, 6 mm altis, interlobis truncatis, 2-dentatis. Stamina ad medium corollae tubi adnata, filamentis lineari-subulatis, glabris, antheris oblongis. Pistillum staminibus longius, stylo

1) 澤田兼吉。

filiformi, stigmate lineari, ovario oblongo-lanceolato, stipite oblongo ovarium superante. Capsula ignota.

NOM. JAP. *Kumoi-rindo.*

HAB. *Hokkaidō.* Prov. Ishikari: Mt. Nutakkamushube (S. Igarashi![1] July 1917).

DISTRIB. An endemic species!

The species, which is most nearly related to the present plant, is probably *Gentiana algida* Pall., from which one can easily distinguish it by the one or two flowered inflorescence, the size of the flower, the shape of the calyx-lobe, and also by the strongly revolute margin of the leaf.

132. Senecio otophorus Maxim. in Bull. Acad. Petersb. XVI. (1871) p. 219, et Mel. Biol. VIII. p. 11; Kom. Fl. Mansh. III. p. 708 (non Phil.).

NOM. JAP. *Mimi-kion* (nov.).

HAB. *Hokkaidō.* Prov. Ishikari: Utashinai (Y. Tokubuchi! Sept. 24, 1892).

DISTRIB. Hokkaidō, Honshū, Manshuria.

133. Picris crepioides Miyabe et Kudo, sp. nov.

Caulis simplex, erectus, subflexuosus, 13–19 cm altus, striatus, hirsutus, pilis strictis vel plus-minus crispulis, nigris vel pallide fuscis, patentibus vel refrexis. Folia radicalia et caulina inferiora, oblongo-oblanceolata vel oblongo-spathulata, apice calloso-obtusa, basi in petiolum attenuata, margine repando-denticulata, ciliata, supra glabra vel ad nervum medium parce hirsuta, subtus pallidiora, ad nervum medium dense retrorso-hirsuta, ceterum parce hirsuta vel glabra, 8–13 cm longa, 2–3 cm lata; caulina superiora ovato-oblonga, vel oblonga, sessilia, amplexicaulia, 3.4–4.5 cm longa, 1–2.5 cm lata, ceteris notis foliis inferioribus similia. Capitulum apice caulis unicum. Involucri squamae exteriores ovato-oblongae, dorso nigro-hirsutae, 7 mm longae, 2.5 mm latae; mediae oblongo-lineares vel lineari-lanceolatae, margine hyalinae, dorso nigro-hirsutae, 1–1.5 cm longae, ca. 2 mm latae; intimae membranaceae, elongato-lineares, apice in spinam attenuatae, 2.2 cm longae, 1.5 mm latae. Flores

1) 五十嵐成八。

ignoti. Achenia fusiformi-linearia, apice sensim in rostrum attenuata, 1–1.3 cm longa, transverse rugosa. Pappi plumosi, ca. 1 cm longi, sordidi.

NOM. JAP. *Yezo-kozorina* (nov.).

HAB. *Hokkaidō*. Prov. Hidaka: Mt. Apoi, Samani (K. Kondo![1] Aug. 17, 1912).

DISTRIB. Endemic!

A distinct species with the habit of *Crepis burejensis* Fr. Schm.

摘　　要

124. Athyrium Yamadae Miyabe et Kndo. **えぞいぬわらび。**

一新種にして後志國雷電峠に生じ明治三十四年山田玄太郎氏の採集にかかる。

125. Melica striata Hitch. **ふおりーがや。**

埃國の碩學ハツケル氏が本種により *Schizachne* Hack. と云ふ新屬を設けたるものにして、樺太大泊の林中及北海道石狩釧路兩國より採集せられたるものなり。然れども余等の研究によれば、北米原産の *Melica striata* Hitch. 即ち *Purple oat* に外ならずして近來北米より輸入せられたるものなるべし。

126. Juncus Tokubuchii Miyabe et Kudo. **ほろむいかうがい。**（新稱）

新種にして石狩國幌向及對雁泥炭地及膽振國長萬部に生ず。其の種子は北米産 *Juncus coarctatus* Buch. に酷似する所あるも花序の形狀、不等なる花被裂片及其習性によりて容易に區別し得べし。

127. Scilla Thunbergii Miyabe et Kudo. **つるぼ。さんだいがさ。**

從來本種の學名として *Scilla japonica* Baker と云ふ名稱を用ひられたれども、そは既に Thunberg 氏によりて**しろばなしやうじやうばかま**に使用せられたれば茲に新名を下せり。尙本種は渡島、石狩及日高等の諸國に生じ、本州、九州、琉球及朝鮮に分布す。

128. Sedum Ishidae Miyabe et Kudo. **あをいはべんけいさう。**（新稱）

新種にして北海道石狩國夕張岳、蘆別岳及十勝岳に生ず。本種は**べんけいさう**屬中、特異なるものにして同一花序中に四數及五數より成る花を有するを以て既設節中にいるべきものなし。其一般習性は一見して**いはべんけいさう**の印象を與ふ。精檢すれば其植物の綠色にして花は兩性四數及五數より成るにより著しく異るを知る。

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1) 近藤金吾。

129. Corydalis ochotensis Turcz. **つるきけまん。おほばのみやまきけまん。**

本道内に於ては石狩、日高、釧路、根室及北見等の諸國に生じ、又マクシモウヰチ氏に依れば千島に産すと云ふ。尚朝鮮、滿洲、黑龍江地方、烏蘇里地方、オホーツク及支那北部に分布す。

130. Mitella integrifolia Boiss. **えぞのちやるめるさう。**（新稱）

本道の特産なりしも本州北部早池峰山及岩木山に發見せられたり。

131. Gentiana Igarashii Miyabe et Kudo. **くもゐりんだう。**

新種にして石狩國大雪山に生ず。本種は**たうやくりんだう**に最も近き種なるべきも、花序の一花稀に二花を有すると、花の大さ、蒴裂片の形狀及葉の背反せる緣邊等によりて容易に區別し得べし。

132. Senecio otophorus Maxim. **みみきをん。**（新稱）

石狩國に於て採集せられ本州及滿洲に分布す。

133. Picris crepioides Miyabe et Kudo. **えぞかうぞりな。**（新稱）

新種にして日高國アポイ山に生じ外觀よりぬぷりぼぎくに似たるも冠毛は羽狀にして全く異る屬に屬するを知る。