



HOKKAIDO UNIVERSITY

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Contributions to the Flora of Northern Japan XII.

By

KINGO MIYABE and MISAO TATEWAKI.

(宮部金吾・館脇操)

With 1 text-figure.

201. *Alnus Maximowiczii* CALL.: MIYABE & KUDO, in Journ. Fac. Agr., Hokkaido Imp. Univ. XXVI.-4. (1934), 472.

form. *grandifolia* MIYABE ET TATEWAKI, form. nov.

A typo differt, foliis majoribus ad 15-17cm longis 14-16cm latis.

NOM. JAP. *Ohba-miyama-hannoki*. (n. n.).

HAB. *S. Kuriles*. Isl. Kunashiri: Ohsawa near Kotankeshi (M. TATEWAKI, n. 25533, VIII. 20, 1936—type in Herb. Fac. Agr., Hokkaido Imp. Univ.).

Remarks. The present big leaved form is from trees forming a group by themselves, and not from young vigorous shoots.

202. *Cerastium mitsumorense* MIYABE ET TATEWAKI, in Trans. Sapporo Nat. Hist. Soc. XV. (1938), 131.

var. *ovata* MIYABE, var. nov.

A typo differt, foliis latioribus ovatis vel oblongo-ovatis 15-25 mm longis 5-8 mm latis.

NOM. JAP. *Hiroha-mitsumori-miminagusa*. (n. n.).

HAB. *Yezo*. Prov. Shiribeshi: Mt. Ohira (I. YAMAMOTO, VIII. 10, 1938—type in Herb. Fac. Agr., Hokkaido Imp. Univ.).

203. *Anemone sachalinensis* JUZEP. in KOMAR. ET SCHISCHKIN, Fl. URSS. VII. (1937), 280. et in Addenda VI. (1937), 740.

Anemone narcissiflora L. var. *villosissima* FR. SCHM. Fl. Sachal. (1868), 104; KUDO, Rep. Veg. N. Saghal. (1924), 133.

Anemone narcissiflora L. var. *sachalinensis* MIYABE ET MIYAKE, Fl. Saghal. (1915), 10; NAKAI, Veg. Mt. Daisetsuzan, (1930), 47; MAKINO & NEMOTO, Fl. Jap. ed. 2, (1931), 317.

Anemone narcissiflora TATEWAKI ET KIMOTO, in Acta Phytotax. et Geobot. II. (1933), 233; TATEWAKI, List Pl. Isl. Rebun, (1934), 6; HARA, in Bot. Mag. Tokyo, XLIX. (1935), 7. (non L.).

Anemone narcissiflora L. var. *pedicellaris* NAKAI, Veg. Mt. Daisetsuzan, (1930), 47, 65, (non A. P. DC.).

NOM. JAP. *Karafuto-senkwaso, Yezo-hakusanichige*.

HAB. *Yezo*. Prov. Shiribeshi: Mt. Kariba (I. YAMAMOTO, VII. 28, 1930); Mt. E. Kariba (I. YAMAMOTO, VIII. 7, 1938).

DISTRIB. Saghalien and Yezo.

Remarks. Mt. Kariba is perhaps the southernmost limit of the distribution of the present species.

204. *Anemone stolonifera* MAXIM. in Mèl. Biol. IX. (1876), 607; FR. ET SAV. Enum. Pl. Jap. II. (1879), 265; MAKINO, in Bot. Mag. Tokyo, XI. (1897), (303); HUTH, in Bull. Herb. Boiss. V. (1897), 1074; NAKAI & TAKEDA, in Bot. Mag. Tokyo, XXIII. (1909), 50; NAKAI, Fl. Korea. II. (1911), 429; MATSUM. Ind. Pl. Jap. II.-2. (1912), 105; HAYATA, Icon. Pl. Formos. III. (1913), 6; MORI, Enum. Pl. Corea, (1922), 153; MURAI, Fl. Sanriku, (1930), 126, et Fl. Centr. Iwate, (1930), 31, et Fl. Miyagi-Pref. (1930), 39; MAKINO & NEMOTO, Fl. Jap. ed. 2, (1931), 318; KUDO & MASAMUNE, Gen. Pl. Formos. I. (1932), 76; MURAMATSU, Fl. Akitensis, (1932), 34; MASAMUNE, Short Fl. Formos. (1936), 64; OKAMOTO & KUME, Fl. Yamatensis, (1937), 58.

NOM. JAP. *Sanrinso, Tokiwa-ichige*.

HAB. *Yezo*. Prov. Oshima: Sengenzawa, Mt. Sengen (T. ISHIYAMA, VI. 15, 1935); Mt. Daisengen (T. ISHIYAMA, VIII. 3, 1935); Prov. Shiribeshi: Mt. Ohira (I. YAMAMOTO, VIII. 10, 1938).

DISTRIB. S. W. Yezo, Honshu, Korea (Isl. Quelpaert) and Formosa.

Remarks. New to the flora of Hokkaido.

205. *Potentilla nivea* L. Sp. Pl. ed. 1, (1753), 499; KOIDZ. Consp. Rosac. Jap. (1913), 184; NAKAI, in Bot. Mag. Tokyo, XXX. (1916), 232.

var. *yuparensis* MIYABE ET TATEWAKI, var. nov.

Potentilla yuparensis MIYABE ET TATEWAKI, mss.

Folia radicalia ternata supra parce adpresse pubescentia subtus breviter adpresse niveo-tomentosa, foliolis majoribus dentatis, dentibus majoribus obtusis; terminalibus subsessilibus ellipticis ad 4 cm longis 2.5 cm latis; lateralibus sessilibus ellipticis vel ovato-ellipticis basi oblique cuneatis vel rotundatis ad 3.3 cm longis 2.5 cm latis, petiolis lamina longioribus 5.0-7.5 cm longis albo-tomentosis.

NOM. JAP. *Yezo-urajiro-kinbai*. (n. n.).

HAB. *Yezo*. Prov. Ishikari: Mt. Yubari (H. TAKEDA & M. TATEWAKI, VIII. 3, 1921—type in Herb. Fac. Agr., Hokkaido Imp. Univ.).

206. *Astragalus fujisanensis* MIYABE ET TATEWAKI, sp. nov.
(*Cercidothrix*; *Onobrychium*).

Astragalus adsurgens FR. ET SAV. Enum. Pl. Jap. I. (1875), 99; MATSUM. in Bot. Mag. Tokyo, XVI. (1902), 67, et Ind. Pl. Jap. 11.-2. (1912), 249; HAYATA, Veg. Mt. Fuji, (1911), 99; MAKINO & NEMOTO, Fl. Jap. ed. 2, (1931), 550; TAKEDA & TANABE, Atlas Photo. Alp. Pl. Jap. I. Fas. 3. (1931), *pl.* 50, 39, et II. Fas. 6. (1932), *pl.* 328, 329, 74; NEMOTO, Fl. Jap. Suppl. (1936), 368, (non PALL.).

Herbae perennes pilosae 20-30 (-50) cm altae procumbentes, basi sublignescentes ramosae, pube medio fixa vestitae. Folia impari-pinnata 6-10-jugata; foliola elliptica vel obovato-oblonga breviter petiolulata 1.0-1.5 cm longa 0.5-0.8 cm lata, apice obtusa interdum rotundata, supra glabriuscula, subtus adpresse pilosa. Stipulae binae submembranaceae deltoideo-lanceolatae 8 mm longae 2-3 mm latae, margine ciliolatae, intus glabrae, extus parce pilosae. Inflorescentia dense capitato-racemosa ca. 10-flora 1-2 cm longa, pube nigra inmixta. Pedunculi axillares folio breviores. Bractae submembranaceae persistentes lineari-lanceolatae vel lanceolatae 3-6 mm longae ca. 1 mm latae, margine ciliatae, intus glabrae, extus pilosae. Calyx campanulato-tubulosus pilosus, pilis albis et nigris immixtis, tubis ca. 5 mm longis, dentibus inaequilongis linearibus 3-4 mm longis ca. 0.5 mm latis. Flores subsessiles purpurascens glabri. Vexillum oblongo-ellipticum, a basi cuneatum, apice retusum, margine reflexum, ca. 12 mm longum 5 mm latum. Alae oblongae integerrimae, vexillo breviores, apice rotundatae, basi auriculatae, laminis 7 mm longis 2 mm latis, unguiculatae, unguibus laminis brevioribus. Carinae alis breviores, basi auriculatae, laminis ca. 5 mm longis, unguiculatae, unguibus laminas subaequante. Stamina carinae aequilonga, basi connata. Ovarium sessile; stylus glaber elongatus ca. 6 mm longus; stigma nudum. Legumen biloculare breviter stipitatum oblongum ca. 10 mm longum albo-nigroque pilosum calycem duplum subaequans.

NOM. JAP. *Murasaki-momenzuru*.

HAB. *Honshu*. Prov. Suruga: Mt. Fuji (R. YATABE, VII. 25, 1881; H. TAKEDA, VIII. 2, 1905—type in Herb. Fac. Agr., Hokkaido Imp. Univ.; M. TATEWAKI, VIII. 1919; VIII. 5, 1920).

DISTRIB. Central Honshu.

Remarks. The present species is related to *Astragalus adsurgens* PALL., from which it differs by the diffuse and procumbent stem at the base, the broader and fewer leaflets and the shorter inflorescence.

207. *Lespedeza bicolor* TURCZ. in Bull. Soc. Imp. Nat. Mosc. XIII. (1840), 69; NAKAI, Lesped. Jap. & Korea, (1927), 63, *cum fig.*

var. *typica* MAXIM. in Acta Hort. Petrop. II. (1872), 356; NAKAI, Veg. Mt. Apoi, (1930), 56.

form. *albiflora* TATEWAKI, form. nov.

Flores albi.

NOM. JAP. *Shiobana-yezo-yamahagi*. (n. n.).

HAB. Yezo. Prov. Tokachi: Ikeda (J. OKUDA, VIII. 25, 1937).

208. *Maackia Buergeri* TATEWAKI, com. nov.

Cladrastis amurensis BENTH. var. *Buergeri* MAXIM. in Bull. Acad. Imp. Sc. St. Pétersb. XVIII. (1873), 400, excl. syn.

Maackia amurensis RUPR ET MAXIM. var. *Buergeri* C. K. SCHN. ILL. Handb. Laubholz. II. (1907), 16, fig. 14. d; TAKEDA, in Not. Roy. Bot. Gard. Edinbg. VIII. No. 37. (1913), 100; MIYABE & KUDO, Icon. Ess. For. Tr. Hokkaido, II. (1928), 57, t. 58.

Cladrastis Buergeri KOMAR. Fl. Mansh. II. (1903), 571, in nota.

NOM. JAP. *Imu-enju*.

DISTRIB. S. Kuriles, Yezo, Honshu, Shikoku and Kyushu.

209. *Ligusticum Hultenii* FERNALD, in Rhodora, XXXII. (1930), 7, t. 194; HULT. Fl. Kamtchat. IV. (1930), 257; TATEWAKI & KOBAYASHI, Contr. Fl. Aleut. Isl. (1934), 65.

form. *incisa* MIYABE ET TATEWAKI, form. nov.

A typo differt, foliis inciso-laciniaatis.

NOM. JAP. *Kireha-maruba-toki*. (n. n.).

HAB. S. Saghalien. Distr. Shikka: Chirikoro (B. YOSHIMURA, VIII. 6, 1936).

210. *Primula (Fallaces) kamuiiana* MIYABE ET TATEWAKI, sp. nov.

Rhizoma repens crassum. Folia radicalia crebre 2 longe petiolata; petioli graciles 2-5 cm longi villosi; lamina membranacea ambitu reniformia margine ciliata basi profunde cordata 1.5-2.5 cm longa 2.0-3.0 cm lata (adulta ad 3 cm longa 5 cm lata) crebre 7-lobata, lobis saepe grosse subtridentatis vel subtriserratis, dentibus apiculatis apice obtusis vel acutis, primo villosa demum supra glabrescens subtus pilosa et ad nervos villosa. Scapus 2.5-5.0 cm altus villosus 1-florus. Bractee lineari-lanceolatae 4-6 mm longae 1-1.5 mm latae apice obtusae supra glabrescentes subtus pilosae margine ciliatae. Pedicelli ca. 12 mm longi villosiusculi. Calyx tubuloso-campanulatus pubescens; tubus ca. 2 mm longus et latus; lobi 5 lanceolati trinervi ca. 4 mm longi ca. 1.5 mm lati margine ciliati apice obtusiusculi. Corolla rosea 2.0-2.5 cm in diametro; tubus ca. 7 mm longus apice puberulus; lobi obovati ca. 10 mm longi margine ciliati apice bifidi subtus puberuli. Stamina 5, antheris ellipticis ca. 2 mm longis, filamentis brevissimis. Stylus gracilis 1.6 mm longus; stigma capitatum.

NOM. JAP. *Kamui kozakura*. (n. n.).

HAB. *Yezo*. Bot. Garden, Sapporo, cult. from Mt. Kamuiekuushikaushi (K. MIYABE, V. 14, 1938; VI. 2, 1939). Prov. Tokachi: Mt. Kamuiekushikaushi (Y. TOCHINAI & B. ISHIDA, VIII. 13, 1937).

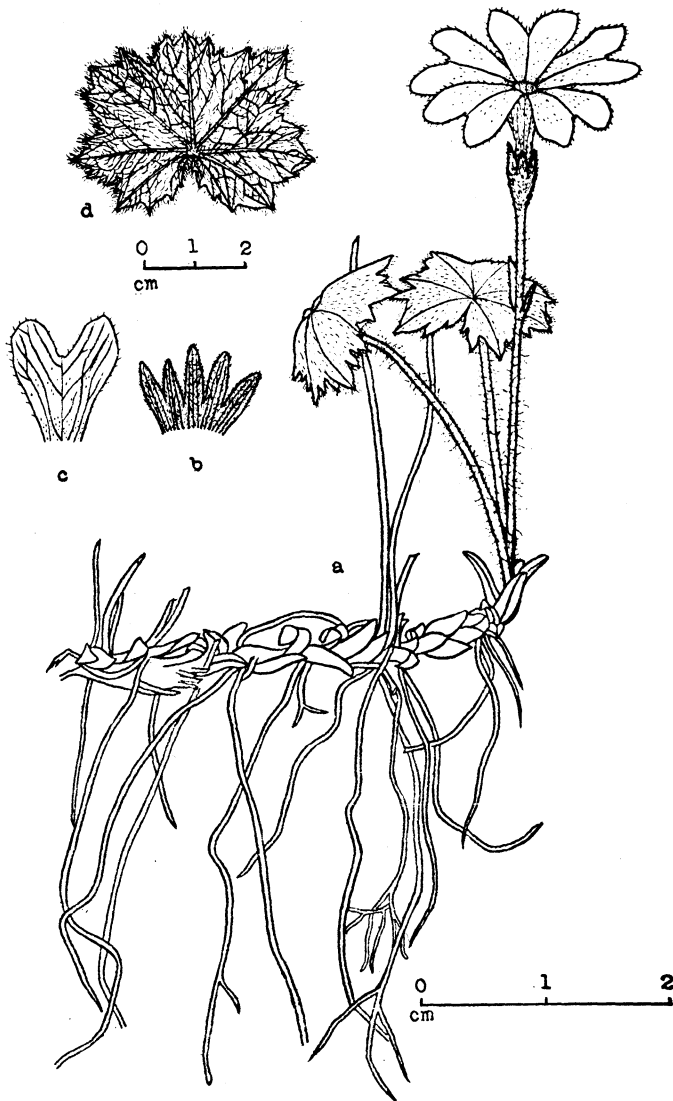


Fig. 1. a. *Prinula kamuiana* MIYABE ET TATEWAKI.
b. Calyx. c. Corolla lobe. d. Adult Leaf, underside.

Remarks. This primrose is closely related to *Primula kitadakensis* HARA and *Primula hidakana* MIYABE ET KUDO. But it differs from the former by the reniform shape of the leaves, the pubescent calyx and pedicels, the obtuse apex of the calyx-lobes, the pubescence of the lower surface of the leaves and bracts, and the ciliate lobes of the corolla; and from the latter by the more deeply lobed blades of the reniform leaves, the ciliate lobes of the corolla, and also by the villose petioles and scapes.

211. *Adenophora kurilensis* NAKAI, in Bot. Mag. Tokyo, XLIV. (1930), 10, fig. 1; MAKINO & NEMOTO, Fl. Jap. ed. 2, (1931), 1167; TATEWAKI, in Journ. Coll. Agr., Hokkaido Imp. Univ. XXIV.-5. (1932), 212, 236, 287. form. *albiflora* TATEWAKI, form. nov.

Flores albi.

NOM. JAP. *Shirobana-chishima-shajin*. (n. n.).

HAB. S. Kuriles. Isl. Etorofu: Porosu-Sokiya (B. YOSHIMURA & H. YOKOYAMA, VII. 30, 1938).

212. *Sasa (Crassinodi) tokatiensis* TATEWAKI ET YOSHIMURA, sp. nov.

Sasa Arikai MIYABE ET TATEWAKI affinis, sed exqua vaginis culmorum tomentoso-villosis distincta.

Culmus erectus vel ascendens 40-60 cm altus 2-3 mm latus simplex, facie minute retrorso-pubescent sub nodo pruinonosus et minute pubescens, nodo incrassato. Vagina culmi tomentoso-villosa, folii minute tomentosa, setis oralibus patentibus. Folia in apice culmi 5-7 oblongo-lanceolata 18-20 cm longa 3.5-4.5 cm lata basi rotundata vel rotundato-cuneata apice attenuato-acuminata utrinque glabra vel rarissime glabriuscula, petiolis 2-5 mm longis pilosiusculis vel glabris.

NOM. JAP. *Fushige-yukawazasa*. (n. n.).

HAB. Yezo. Prov. Tokachi: Otsurushi near Fushiko (M. TATEWAKI, no. 26476, X. 6, 1936—type in Herb. Fac. Agr., Hokkaido Imp. Univ.).

Remarks. Endemic.

213. *Arisaema sadoense* NAKAI, in Bot. Mag. Tokyo, XLIX. (1935), 584; NEMOTO, Fl. Jap. Suppl. (1936), 1033.

Arisaema amurense MIYABE ET MIYAKE, Fl. Saghal. (1915), 499, (non MAXIM.).

Arisaema robustum NAKAI, var. *sachalinense* MIYABE ET KUDO, Fl. Hokkaido & Saghal. I.-3 (1932), 282; TATEWAKI, Rep. Teshio Exp. Forest, II. (1932), 204, et Pl. Isl. Rebun, (1934), 22; TATEWAKI & KIMOTO, in Act. Phytotax. et Geobot. I. (1932), 247; SUGAWARA, Pl. Saghal. (1937), 116.

NOM. JAP. *Karafuto-hirohatennansho, Sado-tennansho.*

HAB. *S. Saghalien.* Distr. Mauka: Tobutsu (T. MIYAKE, 1907). Distr. Honto (S. SUGAWARA). Distr. Toyohara: Toyohara, Kiyokawa (S. SUGAWARA). Kaibato: Shimizudani (T. MIYAKE, 1906); Dainanwan (T. MIYAKE, 1906); Gampizaka (KIMOTO, MURAYAMA & TAKEE, 1931).

Yezo. Isl. Rebun: Kabuka (E. NIREI, 1929); Funadomari (M. TATEWAKI, 1933); Uwennai (M. TATEWAKI, 1933); Motochi (M. TATEWAKI, 1933). Isl. Rishiri: Kutsugata (M. TATEWAKI, 1928). Prov. Teshio: Osajimagoye near Kamiotoinepp (M. TATEWAKI, 1928).

DISTRIB. *S. Saghalien*, N. W. *Yezo* and Honshu (in Isl. Sado).

214. *Trillium kamtschaticum* PALL.: MIYABE & KUDO, Fl. Hokkaido & Saghal. III. (1932), 342.

form. *violaceum* MIYABE ET TATEWAKI, form. nov.

A typo differt, floribus majoribus petalis 5.5 cm longis 2.8 cm latis subtus pallide violaceis.

NOM. JAP. *Usuiro-ohbana-enreiso.* (n. n.).

HAB. *Yezo.* Prov. Nemuro: Ochiishi (M. TATEWAKI, n. 26293, VI. 15, 1934).

215. *Cypripedium speciosum* ROLFE, in Kew Bull. (1911), 207; MAKINO & NEMOTO, Cat. Herb. Tokyo Imp. Mus. (1914), 316, et Fl. Jap. ed. 2, (1932), 1633, p. p.; SCHLTR. Orchid. Sino-Jap. Prodr. (1919), 84.

Cypripedium macranthum Sw. var. *ventricosum* FR. ET SAV. Enum. Pl. Jap. II. (1879), 40, excl. syn.

Cypripedium Thunbergii MATSUM. Ind. Pl. Jap. II.-I. (1905), 242, excl. syn.

Cypripedium macranthum Sw. var. *speciosum* KOIDZ. in Bot. Mag. Tokyo, XL. (1926), 336; MURAI, Fl. Centr. Iwate, (1935), 166.

NOM. JAP. *Atsumoriso.*

HAB. *Yezo.* Prov. Shiribeshi: Mt. Ohira (I. YAMAMOTO, VIII. 1938).

Remarks. New to the flora of Hokkaido.

摘 要

北日本植物資料十二

201. オホバミヤマハンノキ 葉形大なる新品種。南千島國後島の産。
202. ヒロハミツモリミミナグサ ミツモリミミナグサに比するに葉の幅廣く卵形を呈する變種にして、後志太平山にて山本岩龜氏採集す。
203. カラフトセンクワサウ 學名の整理と道南の産を記す。
204. サンリンサウ 北海道に新報知の植物にして、渡島國大千軒岳にて石山哲爾氏、後志國太平山にて山本岩龜氏採集す。
205. エゾウラジロキンバイ ウラジロキンバイに比するに小葉片大、鋸齒も大、表面の毛は遙に短く且つ壓伏されて居る變種にして、夕張岳に産す。
206. ムラサキモメンヅル 本州富士山に産するムラサキモメンヅルは *Astragalus adsurgens* に似たるも、新種なり。
207. シロバナエゾヤマハギ 十勝の産。
208. イヌエソジュ 新組合。
209. キレハマルバタウキ マルバタウキの葉片の缺刻深き品種にして、南樺太敷香支廳散頃にて吉村文五郎氏採集す。
210. カムイコザクラ キタダケコザクラとは葉形と萼裂片の先端を異にし、又萼、花梗共に有毛にして、且花冠裂片に縁毛を有するを以て別つべく、又アポイコザクラとは葉形並びに葉の缺刻を異にし、且葉柄と花莖有毛にして別つべし。日高山脈カムイエクウシカウシ岳にて栃内吉彦、石田文三郎兩氏採集す。
211. シロバナチシマシヤジン 南千島擇捉島の産。
212. フシゲユカハザサ ユカハザサに似て葉鞘に有毛の一新種。十勝國伏古附近オツルシの産なり。
213. カラフトヒロハテンナンシヤウ 北日本の産地を列記せり。
214. ウスイロオホバナエンレイサウ オホバナエンレイサウに似て花形大きく、花瓣の裏面淡紫色を帶ぶる品種にして、根室國落石の産なり。
215. アツモリサウ 後志太平山の産を記す。北海道には新追加の植物。