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v. ovatis, verrucosis, flavo-brunneis, $23-29 \times 21-23\mu$, poris germinationis 2, interdum 3 praeditis; paraphysibus intermixtis.

Soris teleutosporiferis hypophyllis, sparsis v. subaggregatis, epidermide tectis, atro-brunneis; teleutosporis subfusoides, apice conico-attenuatis, incrassatis ($4-9\mu$), basi plerumque attenuatis, medio modice constrictis, levibus, brunneolis, $49-75 \times 17-21\mu$; pedicello flavo-brunneo, persistenti, $18-23\mu$ longo.

Hab. in foliis *Cyperi pilosi* VAHL.

Distrib. Shikoku.

By the presence of the paraphyses in the uredosori, the present species is quite different from *Puccinia Cyperi*.

117. *Puccinia Kyllingiae-brevifoliae* MIURA, comb. nov.

Status uredosporiferus = *Uredo Kyllingiae-brevifoliae* DIETEL, in ENGL. Bot. Jahrb. XXXIV, p. 591, 1905—SACC. Syll. XXI, p. 806.

Teleutosporis in soris uredosporiferis evolutis, oblongo-clavatis, oblongis v. fusoides, apice rotundatis v. obtuse angustatis, raro papillis ornatis, incrassatis ($4-8\mu$), basi attenuatis v. rotundatis, medio leniter constrictis, levibus, hyalinis v. flavidis, $40-52 \times 13-20\mu$; pedicello persistenti, flavido, usque 30μ longo.

Hab. in foliis *Kyllingiae brevifoliae* ROTTB.

Distrib. Shikoku, Kyushu, Formosa.

Contributions to the Flora of Northern Japan X

By

Kingo MIYABE and Misao TATEWAKI

(宮部金吾・館脇操)

With 4 text-figures

176. *Sabina Sargentii* (TAKEDA) MIYABE ET TATEWAKI, com. nov.

Juniperus chinensis L. var. *Sargentii* HENRY, in ELWES & HENRY, Tr. Br. & Irl. VI. (1912), 1432; MIYABE & KUDO, Fl. Hok. & Saghal. I. (1929), 77.

Juniperus Sargentii TAKEDA, ex KOIDZ. in Bot. Mag. Tokyo, XXXIII. (1919), (204), nom. nud.; NAKAI, ibid. XLIV. (1930), 511; KOMAR. Fl. URSS. I. (1934), 188.

NOM. JAP. *Miyama-haibyakushin*, *Shimpaku*.

DISTRIB. Saghalien, S. Kuriles, Yezo, Honshu, Shikoku and Korea.

177. *Betula Yoshimurae* MIYABE ET TATEWAKI, sp. nov.

Frutex, ramulis novellis glanduliferis sublente puberulis, punctis resinosis dense obsitis. Squamae gemmarum glabrae, ciliatae. Folia ovata vel elliptico-ovata, denticulata vel duplicato-denticulata, 2-3 cm longa, 1.5-2.3 cm lata, utrinque 4-5-nervata, apice obtusa vel acuta vel acutiuscula, basi late cuneata vel subrotundata, supra sparse pilosula et ad nervum tenuissime pilosiuscula, subtus pallidiora et plerumque eglandulosa, glabrescentia, interdum ad nervum medium parce adpresse pilosa, axillis nervorum subnudis. Petioli supra pube sublente brevissima obtecti, subtus glabriusculi, ca. 3 cm longi. Strobilus oblongo-subcylindricus, 15 mm longus, 5-7 mm in diametro, erectus, breviter pedunculatus, pedunculis 4-8 mm longis, basi plerumque foliis 2-3 fultis. Squamae obovato-cuneatae, 3.5-4.0 mm longae, 2.6-3.5 mm latae, trifidae; lobi ciliati eglandulosi, lobis lateralibus erecto-patentibus oblongo-ovatis apice obtusis vel rotundatis 1.2-1.6 mm longis 0.7-1.0 mm latis, lobo intermedio oblongo laterali-bus paullo longiore 1.7-2.0 mm longo 0.7-0.9 mm lato. Nuculae ellipticae, 1.8-2.0 mm longae, ca. 1.0 mm latae, summo apice sublente puberulae; alae nuculae latiores vel subaequantes.

NOM. JAP. *Rukutama-kamba*. (n. n.)

HAB. *S. Saghalien*. Distr. Shikka: The upper Rukutama (B. YOSHIMURA & M. HARA, VII. 14, 1937-type in Herb. Fac. Agr. Hokkaido Imp. Univ.).

Remarks. The present species is closely related to *Betula Middendorffii* and *Betula ovalifolia*. But it is distinguished from the former by the ovate leaves with acutish apex, of which the underside is not resinous-punctate in the adult stage and also by the erect catkin; and from the latter by the leaves, of which the underside is not resinous-punctate and by the broader wings of the seed. The present species resembles also *Betula fruticosa*, from which it differs by the narrower wings of the seed and the puberulous branchlets.

178. *Carpinus erosa* BL. var. *pseudo-japonica* MIYABE ET TATEWAKI, com. nov.

Carpinus cordata Bl. var. *pseudo-japonica* H. WINKL. in ENGL. Bot. Jahrb. L. Suppl. (1914), 490; INOKUMA & MOMIYAMA, Mat. Jap. Dendr. I. (1937), 22, fig. 1, 2.

NOM. JAP. *Oh-sawashiba*.

HAB. *Yezo*. Isl. Okushiri, Prov. Shiribeshi: Tsurikake (M. TATEWAKI, n. 21384, V. 22, 1935; KINGO TOGASHI, VII. 24, 1935); Chatsu (KINGO TOGASHI, V. 30, 1935); Senjo (KINGO TOGASHI, V. 21, 1935).

DISTRIB. *Yezo* and N. Honshu.

179. *Ulmus laciniata* MAYR, Fremd. Wald- u. Park-b. (1906), 523, f. 243.

var. *laevigata* INOKUMA, in INOKUMA & MOMIYAMA, Mat. Jap. Dendr. I. (1937), 28.

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

Folia supra glabra, laevia, subtus scabrida, ad costas nervos venulisque sparse pilosa, pilis brevibus, et praeter in venarum axillis cinereo-barbulata.

NOM. JAP. *Yezo-no-teruha-ohyo*. (n. n.).

HAB. *Yezo*. Prov. Oshima: Mt. Yokotsudake (F. C. GREATREX, VI. 26, 1916).

Remarks. On account of the smooth glabrous upper surface, and barbulate axils of the under surface of the leaf, the present plant may be taken as a form of var. *laevigata* INOKUMA, from which it differs by the sparingly short-pilose and scabrous nerves and veinlets beneath. In the latter characters, our plant resembles var. *nikkoensis* REHDER.

180. *Reynoutria japonica* HOUTT., Handl. VIII. (1777), 640, t. 51, fig. 1; OHKI, in Bot. Mag. Tokyo, XL. (1926), 49, (var. *typica*); NEMOTO, Fl. Jap. Suppl. (1936), 179.

Polygonum cuspidatum SIEB. ET ZUCC. Fam. Nat. II. (1846), 84; MEISN. in DC. Prodr. XIV. (1856), 136; FRANCH. ET SAV. Enum. Pl. Jap. I. (1875), 402; MATSUM. Ind. Pl. Jap. II.-2. (1912), 56.

Polygonum Reynoutria MAKINO, in Bot. Mag. Tokyo, XV. (1901), 84; MAKINO & NEMOTO, Fl. Jap. ed. 2, (1931), 262.

NOM. JAP. *Itadori*.

HAB. *Yezo*. Prov. Oshima: Fukuyama (M. TATEWAKI, T. YAMANAKA & B. YOSHIMURA, VII. 25, 1936).

DISTRIB. *Yezo*, Honshu, Shikoku, Kyushu and Formosa.

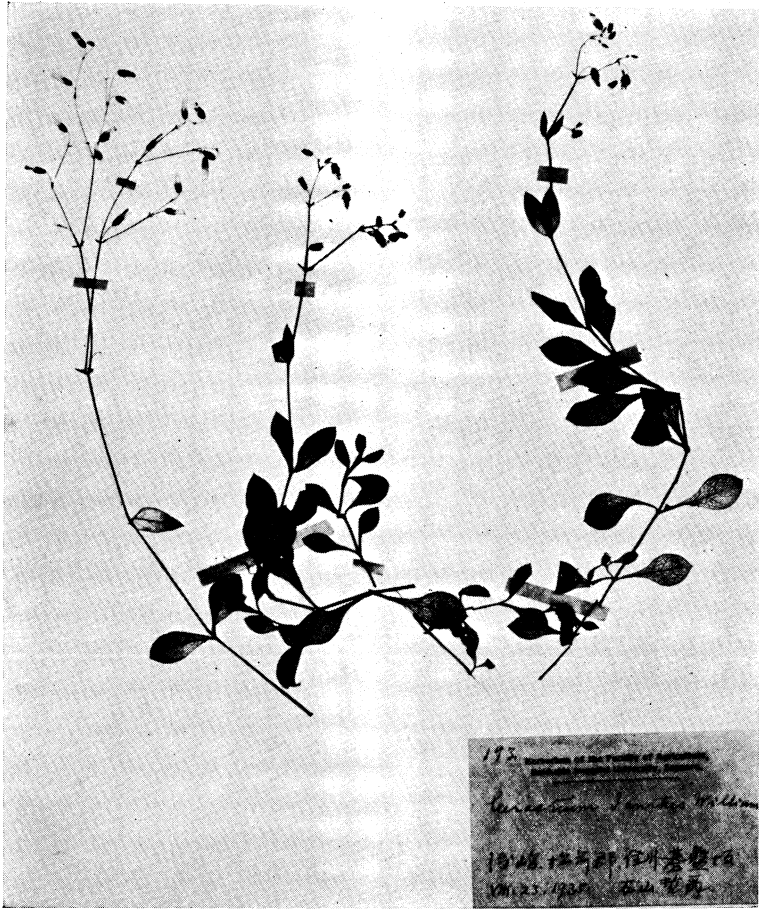
Remarks. New to the flora of Hokkaido and Saghalien.

181. *Cerastium Ianthès* WILLIAMS, in Bull. Herb. Boiss. VII. (1899), 131.

NOM. JAP. *Matsumaye-miminagusa*. (n. n.).

HAB. *Yezo*. Prov. Oshima: Matsumaye-gun, between Sumikawa and Gobanzaka (T. ISHIYAMA, VII. 1935). Coast of Japan (CHARLES WRIGHT, 1854).

Remarks. Our plant from Matsumaye-gun agrees very well with the description of the present species. As shown in the accompanying figure, it may be an annual plant with slender delicate stems, loose spreading inflorescence and broad prominently apiculate leaves. Petals are oblanceolate, bilobed,

Fig. 1. *Cerastium Ianthes* WILLIAMS

glabrous at base, and shorter than calyx. Seeds have rugose tubercles. TAKEDA⁽¹⁾ on examining the original specimen at the Kew Herbarium, regarded *Cerastium Ianthes* WILLIAMS as a weak form of *Cerastium triviale* var. *glandulosum*. It is doubtless most closely related to the latter species.

182. *Cerastium mitsumorense* MIYABE ET TATEWAKI, sp. nov.

Cerastium ciliatum HONDA, in YAMAMOTO & TSUKAMOTO, Fl. Hakodate, (1932), 207, (non TURCZ.)

Perenne. Caulis caespitosus, 15–20 cm altus, adscendens, gracilis, saepe

(1) Bull. Miscell. Inform. Kew, (1911), 103.

ramis sterilibus dispositus, basi divisus, in parte suprema dense pilosus, pilis eglandulosis patentibus; linea 1, hirsuta. Folia caulina uninervia, apice apiculata, margine ciliata, utrinque glabrescentia vel pilosiuscula; inferiora lineari-lanceolata, 2.0-2.5 cm longa, ca. 4 mm lata; media et superiora anguste lanceolata. Folia caudiculatorum steriliū ob lanceolato-linearia. Dichasium 3-6-florum. Pedicelli pubescentes, pilis glandulosis parcissime immixtis. Bracteae glabrescentes vel hirsutiusculae, margine ciliatae; infimae foliaceae, ovato-lanceolatae; superiores minores, margine interdum submembranaceae. Sepala ca. 4.5 mm longa, elliptico-lanceolata, apice obtusa, hirsuta, margine late scariosa. Petala lanceolata, ca. 8 mm longa, 2 mm lata, quadrante bifida, lobis anguste ovatis apice obtusis, unguibus glabris.

NOM. JAP. *Mitsumori-miminagusa*. (n. n.).

HAB. *Yezo*. Prov. Oshima: Mt. Mitsumori (K. TSUKAMOTO, n. 46, VI. 1, 1924-type in Herb. Fac. Agr. Hokkaido Imp. Univ.).

Remarks. The present species is related to *Cerastium Takedae* HARA, from which it differs by the non-glandulose-hairy stem, the narrower leaves, the sterile branches with the linear-ob lanceolate leaves and also by the shape of petals.

183. *Cerastium Tatewakii* MIYABE, sp. nov.

Perenne. Caulis caespitosus, gracilis, ascendens, distanter foliatus, 30 cm altus, basi hirsutus, superne pilis glandulosis dense obsitus. Folia basilaria obovato-spathulata, apice obtusa et apiculata, basi subito angustata et in alato-petiolem attenuata, utrinque adpresse hirsuta, margine ciliata, 20-33 mm longa, 6-12 mm lata. Folia caulina ovato-elliptica, apice acuta vel apiculata, sessilia, basi rotundata, utrinque sparsi-hirsuta, margine ciliata, 33-35 mm longa, 14-15 mm lata. Dichasium plerumque multiflorum, ramis longe pedunculatis. Pedicelli fructiferi recto-subpatuli, apice incurvati; pedicelli centrales calycem superantes. Bracteae infimae ovato-ellipticae, foliaceae; superiores minores, margine anguste membranaceae. Sepala elliptico-lanceolata, 5-6 mm longa, apice acuta, margine late scariosa, partibus viridibus glanduloso-hirsutis. Petala oblongo-elliptica, integra, basi glabra vel ciliolata, calyce $\frac{1}{3}$ breviora. Filamenta glabra. Capsula calyce subduplo longior, dentibus rectis margine revolutis. Semina ovato-globosa, in costis obscuris tuberculata.

NOM. JAP. *Ketoi-miminagusa*. (n. n.)

HAB. *Middle Kuriles*. Urup: Iyema (S. ITAGAKI, V. 1928). Ketoi: Minamiura (M. TATEWAKI & K. TAKAHASHI, n. 15791, VII. 28, 1929-type in Herb. Fac. Agr. Hokkaido Imp. Univ.; n. 15500, VIII. 20, 1929); Shimizugawa (M. TATEWAKI & K. TAKAHASHI, n. 15610, VIII. 27, 1929).

DISTRIB. Endemic.

Remarks. In the character of the entire petals, the present species is related to *Cerastium pauciflorum* STEV. (*C. pilosum* LEDEB.) and *Cerastium falcatum* BUNGE. But it is easily distinguished from them by the smaller size of the petal, and moreover the plant belongs to Subgen. *Orthodon* and not to *Strephodon*. The present species is named after Dr. MISA0 TATEWAKI.

184. *Hydrangea paniculata* SIEB. in Acta Phys. Med. Acad. Caes. Leop. Carol. XIV.-2. (1829), 691; NAKAI, in Bot. Mag. Tokyo, XL. (1926), 466.

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

Rami graciles. Folia opposita, parva, laminis oblongis oblongo-ovatis vel obovato-oblongis 2.5-5.5 (-6.0) cm longis 1.0-2.5 cm latis. Inflorescentia depresso-paniculata. Sepala floris sterilis marginalis 3-6, elliptica vel oblonga, 0.5-1.3 cm longa 0.3-0.8 cm lata, purpurascencia.

NOM. JAM. *Kawayu-noriutsugi*. (n. n.).

HAB. *Yezo*. Prov. Kushiro: Kawayu Hot-spring (M. TATEWAKI, n. 1992, VIII. 11, 1933).

185. *Viola crassa* MAKINO, in Bot. Mag. Tokyo, XIX. (1905), 87.

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

Rhizoma repens, crassum, 3 mm latum. Caulis 2-4 apice rhizomatis caespitosus, saepe 3 foliatus, 1-2 floratus, superne glabrus. Folia radicalia petiolata, petiolis glabris 3.5-5.0 cm longis; stipulae hypogaeae pallide fuscae, membranaceae, oblongo-ellipticae, integrae, 5 mm longae, 3 mm latae; lamina subchartacea, late reniformis, apice truncata vel leviter emarginato-truncata, margine incurvate crenato-serrata, ca. 3 cm longa, ca. 4 cm lata, utrinque viridis, supra ad nervum hispidulo-puberula. Folia caulina petiolata, petiolis 0.5-5.0 cm longis; stipulae oblongae vel ovato-oblongae, ca. 4 mm longae, ca. 2 mm latae; lamina foliorum radicalium conformis sed minor. Pedunculi axillares, solitarii, brevissime puberuli, 1-4 cm longi, supra medium bibracteati; bractae lanceolatae, oppositae, 2 mm longae, integrae. Sepala exteriora ovato-elliptica, 4.0-4.2 mm longa, ca. 2 mm lata; interiora oblongo-lanceolata, 5-6 mm longa, 1.5-2.0 mm lata, appendice breve truncato. Petala flava, ca. 12 mm longa, superiora et lateralia oblongo-obovata, infima obovata, apice rotundata, calcari brevissimo ca. 1 mm longo obtuso. Ovarium globosum, glabrum. Styli tubulosi, basi leviter geniculati, apice stigmatosi, bifidi.

NOM. JAP. *Karafuto-takanesumire*. (n. n.).

HAB. *S. Saghalien.* Distr. Shikha: Kotannoshike, Kitashiretoko Penins. (S. SUGAWARA, VII. 24, 1935).

Remarks. The present variety is distinguished from *Viola crassa* MAKINO and its variety *vegeta* NAKAI by the wider sepals and bracts and also by the glabrate pedicels.

186. *Bupleurum Yokoyamae* MIYABE ET TATEWAKI, sp. nov.

Caulis solitarius, erectus, 60–120 cm altus, teres, subtiliter striatus, late fistulosus, viridis, remote foliosus, ramosus, ramis tenuibus elongatis. Folia supra viridia, subtus subglabrescentia, anastomosantia, venis nervi patulis usque erecto-patentibus remotis arcuatis. Folia inferiora sensim in petiolum planicum late alatum et basi vaginam amplexicaulem angustata, laminis oblanceolatis; folia caulina media sessilia, oblanceolata, apice acuta vel acuminata, basi auriculato-amplexicaulia, 11–25 cm longa, 1.8–3.5 cm lata, ca. 7 nervia; superiora subconformia sed minora. Umbellae terminales, pedunculis tenuibus longis suffultae, 3–8-radiatae, radiis elongatis gracilibus subangulosis inaequalibus 3.5–5.0 cm longis, interioribus erectis, exterioribus leviter curvatim ascendentibus. Phylla involucri 3–4, viridia, lanceolata vel anguste ovato-lanceolata, 5–6 mm lata, 1.5–2.0 mm lata, apice acuta. Phylla involucelli vulgo 5, subaequalia, lanceolata vel lineari-lanceolata, 3–4 mm longa, ca. 1.0–1.5 mm lata, apice acuta, umbellulis 8–13-floris. Pedicelli filiformes, inaequilongi, 4–7 mm longi. Petala inflexa, apice emarginata, ovato-rhomboida, 1 mm longa, 0.8 mm lata. Fructus oblongo-ellipticus vel ellipticus, brunneo-nigricans, pedicelis 2–3 plo brevior; mericarpia transverse subpentagona; pericarpium tenue; vittae valliculares ternae vel quaternae.

NOM. JAP. *Tokachi-saiko.* (n. n.).

HAB. *Yezo.* Prov. Tokachi: the upper Kogawa, Toyokoro (H. YOKOYAMA, VIII. 15, 1937—type in Herb. Fac. Agr. Hokkaido Imp. Univ.).

Remarks. The present species is related to *Bupleurum longifolium* L. and *Bupleurum longiradiatum* TURCZ. But it differs from the former by the elongated branches, the narrower leaves, the longer peduncles and also by the lanceolate bracts; while it is easily distinguished from the latter by the venation of the leaves.



Fig. 2. *Bupleurum Yokoyamae* MIYABE ET TATEWAKI

187. *Trientalis europaea* L. Sp. Pl. ed. 1, (1753), 344; PAX u. KNUTH, in ENGL. Pfl.-reich. IV.-237. (1905), 313.

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

? *Trientalis ramosa* KOIDZ. in Bot. Mag. Tokyo, XLIII. (1929), 386;

MAKINO & NEMOTO, Fl. Jap. ed. 2, (1931), 912.

Caulis 13 cm altus, ramosus, ramis fasciculato-foliatis, foliis oblongo-ellipticis ca. 3.5 cm longis ca. 1 cm latis, pedunculo 3-4 cm longo. Cetera ut in typo.

NOM. JAP. *Edauchi-tsumatoriso*. (n. n.).

HAB. *S. Saghalien*. Distr. Motodomari: Bakenuma (N. SHIRASAKA, VII. 21, 1935).

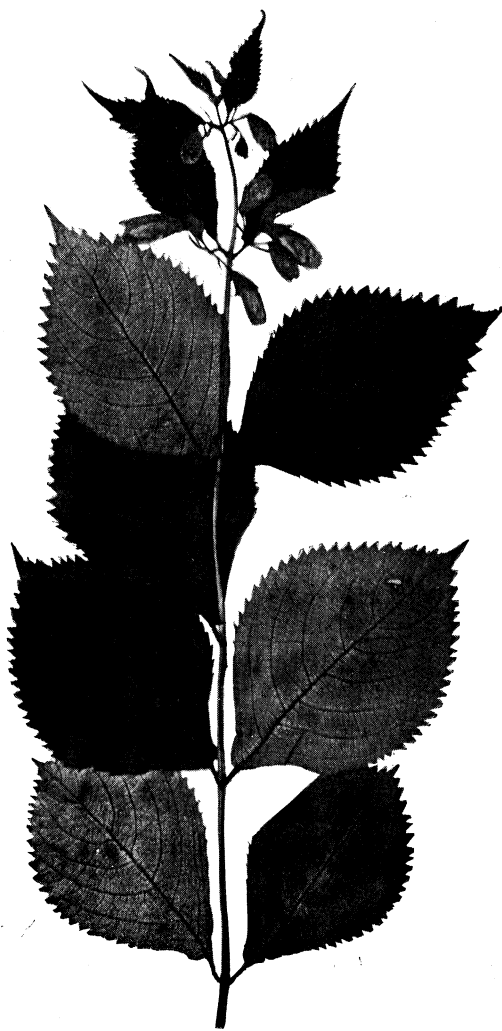


Fig. 3. *Chelonopsis moschata* MIQ.
var. *jessoensis* MIYABE ET TATEWAKI

188. *Chelonopsis moschata* MIQ. var. *jessoensis* MIYABE ET TATEWAKI, com. nov.

Chelonopsis Yagiharana HISAUCHI ET MATSUNO, var. *jessoensis* KOIDZ. Fl. Symb. Or.-As. (1930), 16.

Caulis simplex, adscendens, pilosiusculus, ad 40 cm altus. Folia breviter petiolata, petiolis hirsutis supra barbato-hirsutis ca. 5 mm longis; lamina ovata vel late ovata, 9-12 cm longa, ca. 8 cm lata, ciliata, apice acuminata vel acuminate-cuspidata, basi subito cuneatim attenuata et leviter auriculato-cordata, supra subhirsuta, subtus pallida, ad nervos hirsuta, pilis longioribus horizontaliter patentibus immixta, margine dentato serrata, serratulis patentibus cuspidato-acuminatis apice cuspidatis. Cymae 3-4-florae, bracteis lanceolato-linearibus hirsutis ca. 7 mm longis, pedunculis 5 mm longis hirsutis, pedicellis 6-10 mm longis hirsutiusculis. Calyx campanulatus, bilabiat, utrinque hirsuto-pilosus, ca. 1.2 cm longus, labio superiore tridentato, dentibus anguste deltoidibus, dente medio longissimo, inferiore bidentato, dentibus anguste deltoidibus aequilongis.

NOM. JAP. *Hiroha-jakoso*. (n. n.).

HAB. *Yezo*. Prov. Oshima: Hirokawara, at the foot of Mt. Sengen (T. ISHIYAMA, VIII. 8, 1935).

Remarks. The present variety differs by the shape of the broader leaves and their dentation from the typical form of *Chelonopsis moschata* MIQ., to which it is most closely related; but compared with *Chelonopsis Yagiharana* HISAUCHI ET MATSUNO, it has so many important points of difference as it is difficult to find any close affinity between them.

189. *Paris hexaphylla* CHAM.: MIYABE & KUDO, Fl. Hok. & Saghal. III. (1932), 341.

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

Sepala purpurea. Cetera ut in typo.

NOM. JAP. *Murasaki-kurumaba-tsukubaneso*. (n. n.).

HAB. *Yezo*. Prov. Kushiro: Kutcharo (M. TATEWAKI, n. 25183, V. 31, 1936).

190. *Trillium amabile* MIYABE ET TATEWAKI, sp. nov.

Caulis 40-60 cm altus, glaber. Folia late ovato-rhomboidea, glabra, sessilia, apice subito acuminata vel acuta, basi truncato-cuneata, 12-14 (-16) cm longa, 13-18 (-20) cm lata. Pedicelli erecti, 5-7 cm longi, in postfloratione fere ad 8 cm longitudine accrescentes. Flores ca. 5 cm in diametro. Sepala late lanceolata vel oblongo-lanceolata, 2.5-3 cm longa, ca. 1.2 cm lata, apice acutiuscula, margine fere purpurascentia. Petala rotundata vel rotundato-ovata, purpurea,

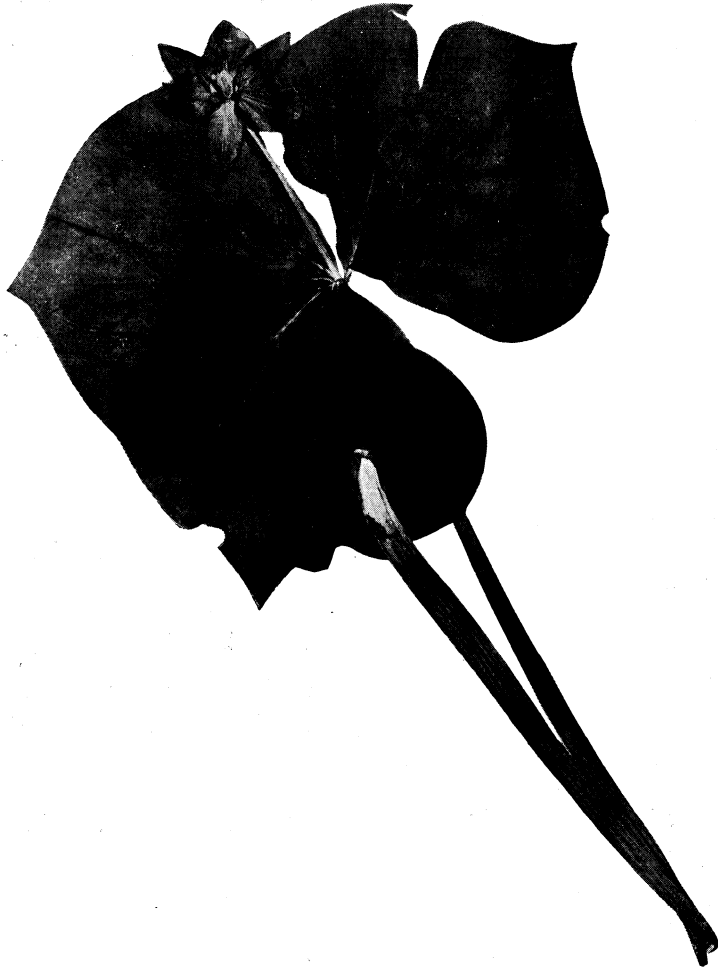


Fig. 4. *Trillium amabile* MIYABE ET TATEWAKI

sepala subaequantia vel iis paullo breviora, ca. 2 cm longa lataque, apice rotundata vel obtusiuscula. Filamenta brevía, purpurea, 1-2 mm longa. Antherae 6-7 mm longae purpureae. Ovarium subglobosum, flavo-albidum, apice atrorubens, 7 mm longum.

NOM. JAP. *Kojima-enreiso*. (n. n.).

HAB. *Yezo*. Prov. Oshima: Isl. Kojima (M. TATEWAKI, n. 20768, V. 17, 1937—type in Herb. Fac. Agr. Hokkaido Imp. Univ.).

Remarks. The present species is intermediate in character between *Trillium kamtschaticum* PALL. and *Trillium Smallii* MAXIM. It is distinguished

from the former by the shape of the broader leaves, the shorter purple petals, the shorter anthers and also by the smaller subglobose ovary; while it is distinguished from the latter by the shape of the leaves and by the broad lanceolate larger sepals and the shorter filaments. The writers wish to express their thanks to Prof. H. MATSUURA and Mr. T. HAGA who have most kindly furnished us with the information that the plant has cytologically the intermediate character between *Trillium kamtschaticum* and *Trillium Smallii*.

摘 要

北日本植物誌料十

176. ミヤマハヒビヤクシン 屬名の變更に依る新組合。
177. ルクタマカンバ (新種) 大陸に分布する *Betula ovalifolia* に最も近きも、果實の翼の幅廣く、成葉の裏面殆ど油點なき新種にして、樺太敷香支廳留久玉川上流にて吉村文五郎、原松次兩氏採集す。
178. オホサハシバ 後志國奥尻島の産。
179. エソノテリハオヒョウ (新品種) テリハオヒョウに比するに裏面は粗糙、葉脈上に有毛、殊に脈腋に灰色の毛叢を有する品種にして、渡島國横津岳にてグレートレックス氏採集す。
180. イタドリ 北海道植物に新追加、渡島國福山の産。
181. マツマヘミミナグサ ミミナグサに近きも第一圖の如き植物にして、渡島國松前郡にて石山哲爾氏採集す。
182. ミツモリミミナグサ (新種) タカネミミナグサに似たるも、莖に腺毛なく、莖葉は狭長、又花瓣の形狀を異にする新種にして、渡島國三森山にて故塚本角次郎氏採集す。
183. ケトイミミナグサ (新種) 花瓣全縁、萼片より短き異型の新種にして中部千島に産す。
184. カハユノリウツギ (新變種) 葉は小形にして花序も壓平せられ、不登花の萼片は小形にして細長く且帶紫色を呈す。釧路國川湯の産。
185. カラフトタカネスマレ (新變種) タカネスマレ及びオホタカネスマレに似たるも、萼片、苞片共に廣く、葉柄殆ど平滑の變品にして、樺太敷香支廳主毛にて菅原繁藏氏採集す。
186. トカチサイコ (新種) コガネサイコ類とは葉形、苞形を異にし、花梗長く、又ホタルサイコとは葉脈に依り直ちに區別することを得る新種にして、十勝國豊頃小川上流の溪谷にて横山春男氏採集す。
187. エダウチツマトリサウ 小泉教授のオホツマトリサウを小形にしたるが如き形態を有し、樺太化沼にて白坂信巳氏採集す。
188. ヒロハジャカウサウ 渡島國にジャカウサウに似て葉の廣き一品あり。千軒岳山麓にて石山哲爾氏の採集せる標本を検するに、アシタカジャカウサウより、ジャカウサウに近く、依つてジャカウサウの變種とせり。
189. ムラサキクルマバツクバネサウ (新品種) 萼片の紫色を呈せる品種にして、釧路國屈斜路湖畔に産す。
190. コジマエンレイサウ (新種) オホバナエンレイサウとは葉の幅廣く、花瓣紫色を呈し、萼短き事等に依り區別し得べく、又エンレイサウとは、花瓣を有し、萼片大にして廣披針狀を呈し、花絲の短き事に依り區別し得べし。渡島國西南の離島小島の産なり。