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CONTRIBUTIONS TO THE FLORA OF NORTHERN JAPAN I

BY

KINGO MIYABE AND MISAO TATEWAKI

(With Plate I)

1. *Mitella nutans* L. Sp. Pl. (1753), 408; LEDEB. Fl. Ross. II. (1844-46), 228; RGL. et TIL. Fl. Ajan. (1859), n. 128; MAXIM. Prim. Fl. Amur. (1859), 123; BRITT. & BR. Ill. Fl. N. Amer. II. (1897), 181; KOMAR. Fl. Mansh. II. (1904), 419; NAKAI, Fl. Korea. II. (1911), 484; ROSEND. in Engl. Jahrb. L. Suppl. (1914), 382; OHWI, in Acta Phytotax. et Geobot. I. (1932), 62.

NOM. JAP. *Maruba-charumerusô*.

HAB. Okedo, Prov. Kitami (M. TATEWAKI, VIII. 27, 1926); Urahoro, Prov. Tokachi (Y. Kikkawa, V. 28, 1928).

Remarks. New to the flora of Hokkaido and Saghalien.

2. *Saxifraga bracteata* D. DON, in Trans. Linn. Soc. XIII-2. (1822), 367; HULT. Fl. Kamtchat. III. (1929) 11; OHWI, in Acta Phytotax. et Geobot. I. (1932), 49; TATEWAKI, in Journ. Facult. Agr. Hokkaido Imp. Univ. XXIX-5. (1933), 199.

NOM. JAP. *Kiyoshisô*.

HAB. Ochiishi, Prov. Nemuro (HAJIME TAKEDA, VII. 1927; M. TATEWAKI, IX. 23, 1927).

Remarks. The present species is a new addition to the flora of Hokkaido and the locality above mentioned seems to be its southernmost limit.

3. *Oxytropis Kudoana* MIYABE ET TATEWAKI, sp. nov.

Acaulis, petiolis scapisque inferioribus adpresse albo-pilosis; stipulis scariosis, ferrugineis, uni- vel binerviis, ellipticis, utrinque glabrescentibus, apice rotundatis ciliatisque. Folia 4-7-juga, margine revoluta, ciliata, oblonga, acutiuscula vel obtusa, supra pilosa deinde glabrescentia nerviis pilosis, subtus glabra, ca. 1 cm longa 2-3 cm lata. Scapus foliis subaequans, superiore nigro-pilosus, captulis subbifloris. Bractae oblongo-ovatae, albo-nigrescente pilosae, tubis calycium breviores. Petalae coeruleae, vexillo late ovato-ellipticis emarginato, carine mucrone ca 0.4 mm longo, ovario ventrali adpresse nigro-hirsuto et laterali

adpresse albo-hirsuto. Calyx adpresse nigro-hirsutus, dentibus lanceolatis 3 mm longis, tubis cylindricis 6 mm longo. Legumina ca. 3 cm longa, 1 cm lata, apice acuminata, basi rotundata, in calyce stipitata.

NOM. JAP. *Hidaka-genge*. (n. n.)

HAB. Mt. Esaomantottabetsu, Prov. Hidaka (M. TATEWAKI, VII. 28, 1927); Mt. Koebokusatsunai, Prov. Hidaka (K. ÔDATSUME, VII. 1932).

Remarks. The present species is closely related to *Oxytropis revoluta* LEDEB., from which it differs by the fewer, larger and less hairy leaflets, and by the scape being black-hairy on its upper portion. The present species is named in memory of the late Prof. Y. KUDO.

4. *Oxytropis hidaka-montana* MIYABE ET TATEWAKI, sp. nov.

Acaulis, petiolis et scapis longe patenterque albo-hirsuto; stipulis scariosis, subuninerviis, ovato-lanceolatis, acutissimus vel acuminatis, ca. 1.5 mm longis, intus glabris, extus pilosis. Folia 5-8-juga, oblonga, acuta vel obtusiuscula, supra villosa-pubescentia, subtus glabrescentia, margine revoluta, ciliata, 8-12 cm longa, 2-4 mm lata. Scapus foliis aequans vel paulo brevior, capitulis ca. 5-floribus. Bracteae viridiusculae, lineares, longe ciliatae, tubis calycium subaequantes. Calyx albo-nigrescente hirsutus, dentibus lanceolatis vel lineari-lanceolatis 3 mm longis, tubis cylindricis 12 mm longis. Petalae coeruleae, vexillo obovato profunde emarginato, carine mucrone 1 mm longo, ovario subsessili oblongo-ellipsoideo, adpresse albo-hirsuto.

NOM. JAP. *Hidaka-miyamano-endô*.

HAB. Mt. Pipairo, Prov. Hidaka (KYUYA KUROZUMI, VII. 17, 1929).

Remarks. The present species is closely related to *Oxytropis retusa* MATSUM., from which it differs by the fewer leaflets and fewer flowers, and also by the shape of the standard, bracts and stipules.

5. *Oxytropis yezoensis* NAKAI, Rep. Veg. Daisetsu Mts. (1930), 68.

Oxytropis japonica var. *sericea* KOIDZ. in Bot. Mag. (Tokyo), XXXII. (1918), 63.

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

Flores albi.

NOM. JAP. *Shirobana-yezo-oyamanoendô*.

HAB. Takanegahara, Mt. Daisetsu, Prov. Ishikari (Y. IMAI & S. YAMAGIWA, VII. 1931).

6. *Primula sorachiana* MIYABE ET TATEWAKI, sp. nov.

Folia glabra, venosa, membranacea, subtus albo-farinosa, 1-2 cm longa,

5-10 mm lata, elliptico-spathulata vel rhombeo-spathulata, rotundata vel obtusa, antice denticulata, basin versus in petiolum alatum, laminam aequantem vel longiorem attenuata. Scapus foliis superans, 3-4 cm altus, gracilis, superne parce albo-farinosus, umbellam 3-5-10-floram (rarius 12-17) gerens. Bractee lanceolato-subulatae, basi leviter saccatae. Pedicelli filiformes, sparse farinosi, juveniles erecto-patenti, demum elongati flexuosi subnutanti, 7-10 mm longi. Calyx sparse farinosus, 4-5 mm longus, campanulato-urceolatus, lobis linearilanceolatis subacutis, tubo calycem fere subduplo brevior. Corolla lilacino-rosea, tubo calycem fere duplo superanti, limbo 10-13 mm diametenti, lobis obcordato-cuneatis profunde emarginatis. Capsula calycem subaequans.

NOM. JAP. *Sorachi-kozakura*. (n. n.).

HAB. Kanayama, Prov. Ishikari. (M. TATEWAKI, V. 15, 1933).

Remarks. The present species is closely related to *Primula yuparensis* TAKEDA from which it is distinguished by the elongated petiole of the leaf, by the larger number of the flowers in an umbel, and by subnutant pedicels of the smaller flowers.

7. *Rhododendron parvifolium* ADAMS. in Mém. Soc. Nat. Mosc. IX. (1834), 237; LEDEB. Fl. Ross. II. (1844-46), 921; TRAUTV. et MEY. Fl. Ochot. (1856), 63; RGL. et TIL. Fl. Ajan. (1859), n. 195; MAXIM. Rhodod. As. Or. (1870), 17; KOMAR. Fl. Mansh. III. (1907), 204; C. K. SCHN. Ill. Handb. Laubholz. II. (1907), 476, fig. 317, a; MIYABE & MIYAKE, Fl. Saghal. (1915), 309, Pl. IX. fig. 3-7; KUDO, Contr. Fl. N. Saghal. (1923), 50, et Rep. Veg. N. Saghal. (1924), 196; REHD. Man. Cult. Tr. & Shr. (1927), 689; MAKINO & NEMOTO, Fl. Jap. ed. 2, (1931), 887.

Rhododendron parviflorum FR. Schm. Fl. Sachal. (1868), 158.

Rhododendron palustre TURCZ. ex DC. Prodr. VII. (1838), 724.

NOM. JAP. *Sakai-tsutsuji*.

HAB. Ochiishi, Prov. Nemuro (M. TATEWAKI, VI. 15, 1930).

Remarks. New to the flora of Hokkaido.

8. *Lagotis Takedana* MIYABE ET TATEWAKI, sp. nov.

Rhizoma obliquum elongatum hypogeos emittens, collo petiolorum basibus dilatato-vaginantibus infibras non solutis tecto. Caulis saepe solitarius, foliatus, 10-20 cm altus. Folia carnosa, laevia; radicalia ovato-lanceolata vel late elliptica vel ovata, basi parum attenuata, nec cordata, sparse serrata vel crenato-serrata, 5-7 cm longa, 3-6 cm lata, petiolis 3-6 cm longis. Spica cylindrica, 4-5 cm longa, 1-1.5 cm diametro. Calyx glabrescens, spathaceus, antice oblongo-ovato 5-8 mm longo, postice bilobus 5-6 mm longo. Corolla dilute lilacina, tubulosa,

bilabiata, tubo 6 mm longo, labio superiore oblongo-truncato laeviter undulato vel laeviter emarginato tubo duplo brevior, inferiore bifido laciniis lanceolatis ca 3 mm longis. Stamina 2, labio superiore duplo breviora. Filamenta breviora. Antherae coeruleo-purpureae. Stylus elongatus staminibus subaequans.

NOM. JAP. *Yubarisô*.

HAB. Mt. Yubari, Prov. Ishikari (H. TAKEDA & M. TATEWAKI, VIII. 3, 1920).

Remarks. The present species is closely related to *Lagotis glauca*, GAERTN. from which it differs in having the upper lip of the corolla half as long as the corolla-tube, the lanceolate lobes of the lower lip being as long as the upper lip, and the pale lilac colour of the corolla and the paler colour of the anther.

9. *Lagotis Stelleri* Rupr. Fl. Samoied. Cis. 49; HULT. Fl. Kamtschat. IV. (1930), 104, fig. 1, *b.*; KOMAR. Fl. Penins. Kamtschat. III. (1930), 72.

Gymnandra Stelleri CHAM. et SCHLECHT. in Linnaea II. (1827), 563; LEDEB. Fl. Ross. III. (1849), 332; GRAY, Syn. Fl. N. Am. II. -1. (1878), 332; MACOUN, Cat. Canad. Pl. I. (1883), 378.

Lagotis glauca GAERTN. subsp. *borealis* MAXIM. var. *Stelleri* TRAUTV. in Act. Hort. Petrop. V. 95; MAXIM. in Mém. Biol. XI. (1881), 297.

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

Lagotis yesoensis TATEWAKI, in sched.

Arcte affinis typo, sed stylis longioribus, staminibus fere labio superiore paulo brevioribus, antherisque majoribus, exqua differt.

Nom. Jap. *Hosoba-urupsô*. (Prof. Nakai).

Hab. Mt. Daisetsu, Prov. Ishikari (Y. IMAI & S. YAMAGIWA, VII. 18, 1931).

Explanation of Plate

Fig. 1. *Oxytropis Kudoana* MIYABE et TATEWAKI.

a. Standard. b. Wing. c. Keel. d. Stamens. e. Pistil.
f. Ripened pod. g. Calyx, outside view. h. Stipule. (a-g, $\times 3.3$; h, $\times 6.7$)

Fig. 2. *Oxytropis hidaka-montana* MIYABE et TATEWAKI.

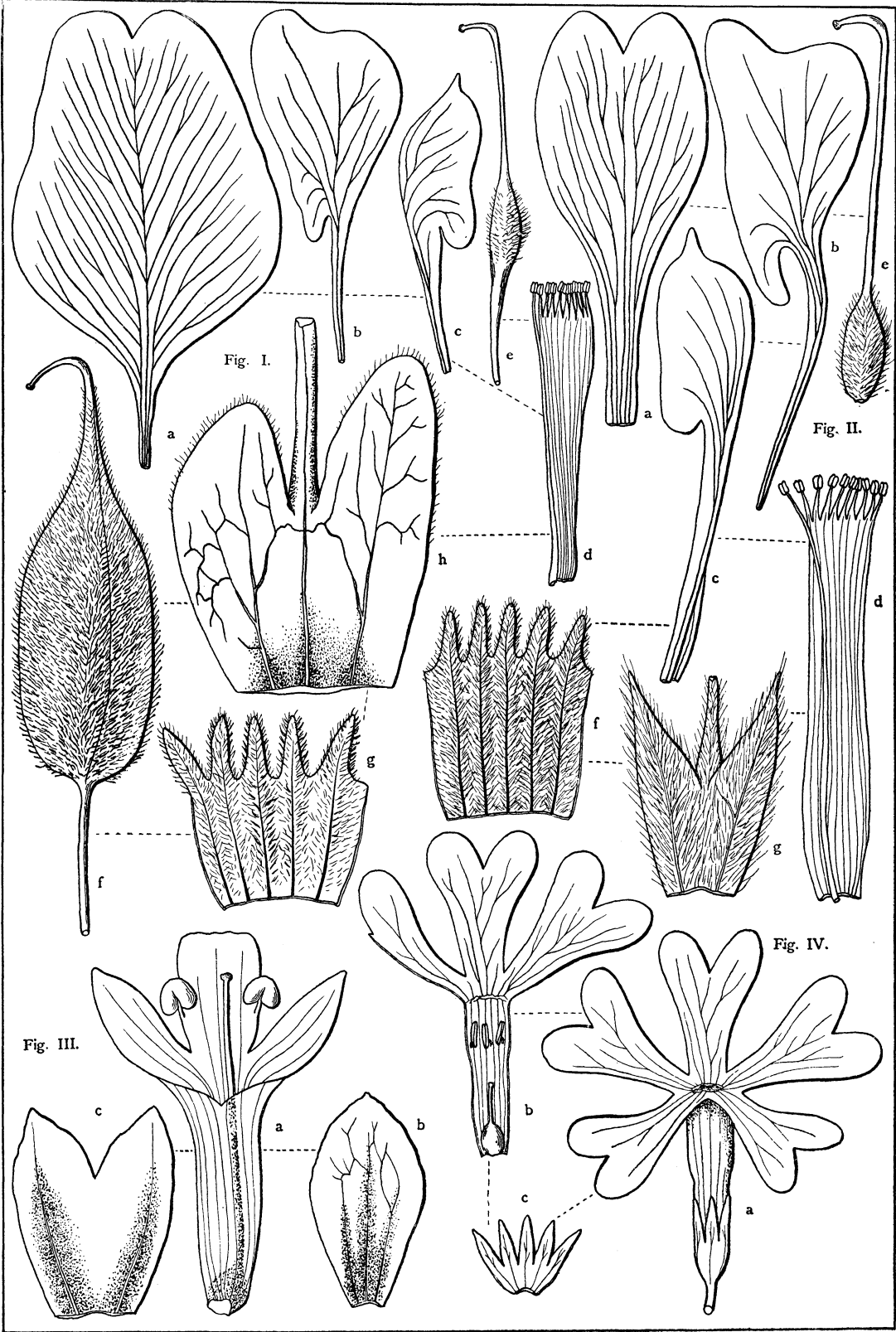
a. Standard. b. Wing. c. Keel. d. Stamens. e. Pistil.
f. Calyx, laid open, showing the outside. g. Stipule. (a-g, $\times 4.7$)

Fig. 3. *Lagotis Takedana* MIYABE et TATEWAKI.

a. Flower. b. Anterior calyx-lobe. c. Posterior calyx-lobe. (a-c, $\times 6.7$)

Fig. 4. *Primula sorachiana* MIYABE et TATEWAKI.

a. Flower, entire view. b. *Ditto*, longitudinal section. c. Calyx, laid open, showing the outside. (a-c, $\times 3.3$)



摘 要

北 日 本 植 物 誌 料 一

宮 部 金 吾・館 脇 操

1 マルバチヤルメルサウ

本種は本邦に於て朝鮮に産するを知られたるのみなり。北海道に於ては、東部針葉樹林中に生ず。

2 キヨシサウ

本邦に於ては従来千島に産するを知られしのみなり。而して根室落石は本種分布の南限なるべし。

3 ヒダカゲンゲ (第一圖参照)

本種は北千島産 *Oxytropis revoluta* LEDEB. ヲカダゲンゲに似たる稀品にして、日高山脈中央部のみに分布す。ヲカダゲンゲとは、小葉片の數尠く、形は大、毛の鈔きこさ及花莖上部に黒毛を有することに依りて類別せらる。本種の種名は北海道植物研究に深き關係を有する故工藤博士を記念するものなり。

4 ヒダカミヤマノエンダウ (第二圖参照)

本種は黒住久彌君に依り日高山脈ヒバイロ岳に採集せられしものなり。千島産コダマサウに極めて近きも、小葉片の少きこさ、一花序内の花數少きこさ、旗瓣、苞、托葉の形によりて別つこさを得べし。

5 シロバナエゾオヤマノエンダウ

本變種はエゾオヤマノエンダウの白花なるものにして、大雪山高根ヶ原に産す。

6 ソラチコザクラ (第四圖参照)

本種はユウバリコザクラに最も類似せるも、全株更に小型にして、繖形花序内の花數多きこと、花形小なるこさ、やゝ下垂する花梗によりて別つこさを得。尙一見ユキワリサウ又はユキワリコザクラに似たるも、葉裏白粉を被ること、花瓣の形、蒴果と萼片と同長なることに依り別つこさを得べし。石狩國空知川流域に産する稀品なり。

7 サカイツツジ

本種は本邦に於て樺太に産するを知られしのみなるも、近時根室落石附近に産することを知れり。分布上キヨシサウと共に注目に値す。

8 ユウバリサウ (第三回参照)

本種はウルツブサウに最も近縁なるも、花冠上唇が花筒の半長なるこさ、花唇裂片披針形なるこさ、花冠と葯が淡色なることによりて直ちに類別するこさを得べし。夕張岳の特産なり。

9 ホソバウルツブサウ

本變種は *Lagotis Stelleri* TURCZ. に似たるも、花柱はるかに長く、花絲短く、葯の大なるこさにより別つこさを得。大雪山の特産なり。