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(Fortsetz. folgt.)

## On New or Noteworthy plants from the Island of Yakusima I.

By

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1) ***Tropidia nipponica***, MASAMUNE sp. nov.

Terrestris, suberecta 10-30 cm alta pauci-ramosa; pseudobulbus nullus; rhizomate suberecto; radicibus filiformibus, elongatis, flexuosis, sparsim apice puberulis; caulibus 1-3 fasciculatis rigidis 1-4 foliatis glabris, basi usque ad medium 3-7 vaginato-squamatis; squamis inferioribus vaginiformibus 7-25 mm longis, apice acutis, petiolum alte amplectantibus, striato-nervosis glabris; foliis erecto-patentibus membranaceis ovato-oblongis vel elliptico-lanceolatis, petiolatis apice subcaudato-acuminatis, basi angustatis multinerviis, nervis utraque pagine elevatis (in exiccatō), usque ad 10 cm longis, medio fere usque ad 3.5 cm latis, folio florali unico ad basin pedunculi insito, lanceolato lineari circa 40 mm longo 3-5 mm lato. Racemi usque ad 10 florali umbelliformes, longe pedunculati, pedunculis circa 6 cm longis, versus apicem bracteatis, bracteis ovato-lanceolatis 1-3 mm longis, apice acuminatis, basi rhachin semi-amplectantibus glabris, pedicellis cum ovario 5 mm longis glabris. Sepalum posticum obovatum vel obovato-lanceolatum 6-8 mm longum 3-3.5 mm latum; lateralia perfecte connata naviculam calycis formantia, navicula calycis obovata 3-5 nervia, extus ad basin fere bicarinata. Petala lanceolata 6.5 mm longa 3 mm lata. Labellum gynostemio accumbens ovato-lanceolatum glabrum circa 5 mm. longum 3.5 mm latum basin saccatum, limbo apice flavo abrupte reflexo-recurvo. Columna circa 3 mm longa, rostello ellipso-triangulari apice minutissime 2-mucronato. Anthera dorsalis e basi columnae oriunda obovato apice acuminata, basi rotunda 1.5 mm longa  $\frac{1}{2}$  mm lata. Pollinia flexio-ellipsoidia  $1\frac{1}{2}$  mm longa  $\frac{3}{4}$  mm lata.

HAB. Insula Yakusima (Leg. G. MASAMUNE 1923; florif. 1928)

NOM. JAP. Yakusima-nettairau

A very marked species, the affinity of which is difficult to ascertain, but somewhat allied to *T. Somai*, Hay., from Formosa, but differs in its compact raceme and peduncule with a single floral leaf. This is, I think, a very remarkable fact that we find such a tropical element in this rather northern part of the globe.

2) ***Liparis yakusimensis***, MASAMUNE sp. nov.

Terrestris, erecta, usque ad 20 cm alta; rhizomate valde abbreviato; radicibus filiformibus, elongatis, flexuosis, puberulis; caulibus abbreviatis, carnosulis 0.5–2 cm longis, e basi 2–6 vaginato-squamatis, squamis caulem imbricato-amplectantibus vaginiformibus 1–3.5 cm longis, ad apicem 2-foliatis, foliis erecto-patentibus, tenuibus, glabris, laminis ovato-ellipticis apice acutis, basi rotundato-cuneatis 4–10 cm longis, infra medium 2.5–6 cm latis, petiolis vaginiformibus scapi basin amplectantibus 2–7 cm longis; scapo erecto deorsum tereti sursum angulato glabro; racemo hand ramoso sublaxe pluri-multifloro 1–5 cm longo; bracteis deltoideis cum ovario circa 6 mm longis, glabris; floribus erecto-patentibus, sepalis reflexis, oblongo-ligulatis obtusis, 6 mm longis 1 mm latis, lateralibus obliquo-patentibus; petalis subrecurvis, linearibus obtusiusculis sepalo subaequilongis; labello toto glabro, cuneato-ovato, antice rotundato, margine irregulari, 5 mm longo, supra medium 4.5 mm lato, callo 1 crasso lineari medio labelli insito; columna arcuata glabra circa 3.5 mm longa, apicem versus palulo dilatata; ovario cylindraco, sulcato, cum pedicello circa 4 mm longo; 1 anthera 1 mm longa  $\frac{1}{2}$  mm lata; polliniis 4 oblique obovoideo-clavatis basi apiculatis.

HAB. Insula Yakusima (Leg. G. MASAMUNE Julio 1928)

NOM. JAP. Gibōsi-ran (nov.)

A remarkable species; its affinity with other species is uncertain, but it resembles more or less *L. Makinoi*, Schl.

3) ***Myrmechis tsukusiana***, MASAMUNE sp. nov.

Herba glabra erecta 4–5 cm alta, basi procumbens ad nodos radicans. Caulis solitarius simplex, teres. Folia alterna 5–10 mm longa 5–7 mm lata, brevissime petiolata, rotundato-ovata vel ovata in exsiccato membranacea, glabra, obsolete trinervia, apice obtusiuscula vel acuta basi rotundato-truncata, margine plus minus subcrispulato-repandulata; petiolis canaliculatis cum vaginis circa 4 mm longis, basi vaginatis caulem leviter amplectantibus, vaginis 3 mm longis obconiformibus glabris semihyalinis ore obliquis. Flores terminales solitarii vel geminati, pedunculo erecto plus minus pubescenti 15–25 mm longo,

tereti bracteis 3-4 instructo, bracteis squamiformibus circa 4 mm longis erectis apiculatis vel acuminatis. Flores ad basin bractea una, obovato-lanceolata erecto-patens, basin ovari brevis amplectans, membranacea, margine deorsum plus minus restrorso ciliata. Ovarium fusiforme vel oblongo-lineare glabrum sulcatum. Sepala ovato-lanceolata circa 4 mm longa 2.5 mm lata obtuse acuminata, apice excavata, inferne campanulato-coniventia, ima nonnihil connata. Labellum sepalo paulo brevius patento-lanceolatum 4 mm longum 2 mm latum ad basin, scrotiformi-inflatum, apice fere truncato. Petala lateralia lanceolata  $4\frac{1}{2}$  mm longa 2 mm lata. Gynostemium brevissimum erectum, crassum, obtusum, dorso convexum antice subcomplicatum, utroque latere lobulo alaeformi obtuso, apice glutinoso-stigmatiferum, rostellum bidentatum. Anthera dorsalis ovata 2 mm longa  $1\frac{1}{4}$  mm lata apice attenuata. Pollinia 2?

HAB. Insula Yakusima: monte Yaegatake, ad 600-900 m alt., (Leg. G. MASAMUNE Julio 1922, typus sp. in Herb. Univ. Imp. Tokyo; A. KIMURA Augusto 1922; G. MASAMUNE Julio 1928)

NOM. JAP. T'sukusi-aridösiran (nov.)

An interesting orchid which is different from other Japanese species in having an entire labellum.

4) **Ranunculus yakushimensis**, (MAK.) MASAMUNE nom. nov.

Syn. *Ranunculus acris* Linn. var. *japonicus* Max. subvar. *yakushimensis*, MAKINO in Tokyo Bot. Mag. XXIV (1910) p. 32.

*Ranunculus japonicus* THUNB. var. *yakushimensis* YAMAMOTO in supplementa Iconum Plantarum Formosanarum III p 30 (1926).

HAB. Insula Yakusima: in monte Yaegatake. (Leg. G. MASAMUNE)

NOM. JAP. Hime-umano-asigata.

This species is different from *R. acris*, in having solid stems and 3-5 leaf-traces. *R. acris*, has on the other hand hollow stems and usually more numerous leaf-traces amounting to as many as 7.

5) **Ranunculus yaegatakensis**, MASAMUNE sp. nov.

Herba perennis, tenuis, 6 cm alta, hirsuta, pauci-ramosa, rhizomate abbreviato; radicibus filiformibus, elongatis subflexuosis. Folia radicalia longe petiolata, petioli: gracilibus 1-5 cm longis plus minus hirsutis, dilatatis caulem amplectantibus, lamini deltoideo-orbicularibus vel rotundato-rhomboidalibus, 0.5-3 cm longis 3-20 mm latis, tripartitis, partibus petiolulatis trilobulatis, lobulis rhomboidalibus, apice acutis. Folia caulina alterna minora quam radicalibus petiolata, petiolis