A Contribution to the Knowledge of the Flora of Japan.
(Continued from p. 10.)

By

Tomitaro Makino.

Lactuca denticulatoplatyphylla Makino, nom. nov.

=Lactuca denticulata Maxim. × L. lanceolata Makino var. plathyphylla Makino.


Biennial, glabrous, attaining about 5 decim. in height, ramose. Stem erect, stout, terete, smooth and glauco-viridescent as are branches, ramose from above the base, about 1 cm. in diameter; branches spreadingly ascending, slender and attaining about 7 decim. in length in the lower ones, free from decayed leaves below,
ramulose; ramules foliiferous, flexuous, shortly branched and floriferous towards the top. Leaves alternate, green above, glaucous beneath, sessile and amplexicaul with short rounded auricles at the base, often more or less cuneately attenuated towards the base, more or less thickish, obscurely repand on margin, elliptical to oblong, obtuse at the apex, attaining about 13 cm. long and about 7 cm. broad; midrib prominent beneath; veins erect-patent, slightly prominent beneath; veinlets anastomotic between veins, visible beneath. Heads numerous, dense, about 12 mm. in diameter, 8-flowered, yellow; ligule deeply 5-fid at the apex. Involucre green, sulate.

Nom. Jap. Yakushi-wadan (nov.).


This has the intermediate habit between Lactuca denticulata Maxim. and L. lanceolata Makino var. ptyphylla Makino. Compared with L. denticulata Maxim., the stem of the present plant is much stouter, the lower branches stouter, longer and much spreading, leaves thicker and slightly repand, heads denser and much numerous, bracts on the pedicel not much tapering, and florets of the head fewer (8 in number). This plant also differs from L. lanceolata Makino var. pltyphylla Makino by having the more slender stem and branches, thinner smaller repand-margined and amplexicaul leaves, longer and sulate involucre, more numerous florets (8 instead of 5), longer ligule, slender and longer achene, and longer pappus. It was rarely found in the locality, where two species L. denticulata Maxim. and L. lanceolata Makino var. ptyphylla Makino grow together.


forma Watanabeana Makino, nov.

Shrub, densely ramose; branches and branchlets cinereous. Leaves small, very shortly petiolate, obovately elliptical or oblong, obtuse or acute on both ends, depressed-serrulate except the base, coriaceous, glabrous, deep green and shining above, paler and minutely thin-punctate beneath, 8-17 mm. long, 4-9 mm. wide. Drupe globose, pedicellate, axillary, 5-7 mm. across, smooth, viridiflavescent, with a persistent green 4-lobed calyx at the base, marked with a sessile dark stigma at the top; pyrenae 4, pale, fusiform; pulp pale-viridescent; pedicel viridescent, 5-6 mm. long, slightly enlarged above, provided with opposite or subopposite subulate dark minute bracteoles in the middle.


*Muehlenbergia hakonensis* (HACK.) MAKINO, nov. comb.
Hab. JAPAN.
This is found on hills and mountains, while *M. japonica* STEUD. grows in hill-foot and fields.

*Muehlenbergia ramosa* (HACK.) MAKINO, nov. comb.
Hab. JAPAN.

*Diervilla Maximowiczii* (S. MOORE) MAKINO, nov. comb.
Shrub. Flowers yellow, sub-sessile, axillary on foliiferous branchlets of this year and often binate at the top of them, provided with small linear bracts at the base. Leaves membranaceous, thinly pubescent, but hairs dense on the midrib. Calyx spathaceous, 5-fid, thinly pubescent. Corolla about 4–4½ cm. long, suddenly elongato-tubulate below. Anthers connivent. Style slightly shorter than the corolla. Capsule cylindrical, very shortly stipitate, about 2 cm. long, often arcuate. Seed ellipsoid, winged; wing oblong, obtuse at both ends, 2–2½ mm. long.
This species resembles superficially *Diervilla Middendorffiana* Carr. (= Weigela Middendorffiana TRAUTV. = Calyptrostigma Middendorffiana TRAUTV. ET MEY.), but differs from the latter which has the 2–several-flowered pedicellate cyme, deeply parted calyx, corolla with a short lower tube, subfusiform capsule, and acuminately winged seed (wing narrow-lanceolate, 7–8 mm. long).
Abelia sanguinea Makino, nov. comb.


Hab. Prov. SHIMOTSUKE: Nikkō.

Lycopus ramosissimus Makino, nov. comb.


Hab. JAPAN, field.


a. typica Makino.


β. intermedia Makino.

Chimonanthus praecox β. intermedius Makino, l. c.


Chimonanthus praecox γ. grandiflorus Makino, l. c. p. 103.


Chimonanthus praecox δ. concolor Makino, l. c. p. 103.


Hab. JAPAN, cultivated.

(To be continued.)