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New or Little Known Plants of Japan.

No. 19.

Ryōkichi Yatabe, Sc. D.

Senecio Makineanus, nov. sp.

Nom. jap. Tosa-no-momijisō. トサノモミヂサウ.

(Plate III.)

Stem nearly smooth, simple, 3-4 feet high. Leaves petiolate, reniform or cordate, palmately 7-15 lobed, minutely hairy on both surfaces, tomentose with brown hairs on the veins on the under surface, finely ciliate at the margins; the lobes oblong, acuminate, coarsely dentate and also scattered with small mucronate teeth, 2-3-lobulate, the lobules acuminate; petioles shortly sheathing at the base; lower leaves 16 inches across the petioles about a foot long; upper leaves 8 inches across, the petioles 2 inches long; the uppermost much reduced in size, passing into ovate or lanceolate bracts of the inflorescence. Heads homogamous by the want of the rays, campanulate, 7-9 lines long, 4-6 lines broad, in terminal racemes; the axis of the inflorescence tomentose with

brown hairs, about $\frac{1}{2}$ inch long, the pedicels of the heads also tomentose with brown hairs, 2-4 lines long. Bracteoles at the base of the heads about 5, lanceolate, acute, hairy especially at the margins, 3-4 lines long, about 1 line broad. Scales of the involucre 11-13, in a single series, of two forms, the narrower outer overlapping both margins of the broader inner; both linear, acute, 5-6 lines long; the outer $\frac{3}{4}$ line broad; the inner membranaceous at the margins, $1\frac{1}{4}$ line broad. Receptacle flat, naked. Florets white, about 25 in each head. Pappus-hairs copious, brown, about as long as the corolla, minutely barbellate under the lens. Corolla narrow, 5-lobed at the apex, about 5 lines long; its lobes ovate-lanceolate or deltoid-lanceolate, acute, minutely hairy towards the apex. Anther-bases obtuse. Style-arms recurved, penicillate at the apex. Ovary linear, $1\frac{1}{2}$ -2 lines long; ovules solitary, erect.—Hab. Moist woods in mountains. Fl. July-August.

I have examined only two specimens of this plant collected at two different times by Mr. Kanō Watanabe at Tsueyama in Nanokawa-mura in the province of Tosa. One of the specimens was collected in 1884, and the other on the 3d. of August, 1889. I have the pleasure of naming this plant in honor of Mr. T. Makino, who has devoted much time to the study of Japanese plants, especially those of Tosa, his native province.

Among the Japanese species of *Senecio*, *S. Zuccarini*, Maxim., seems to be most nearly allied to the present species. But the heads of the former are usually paniculate and much smaller than those of the latter. The

bracteoles at the base of the heads of the former are also very small, whereas those of the latter are large and conspicuous.

Plate III. Fig 1, upper part of plant with flower-heads; 2, flower-head cut vertically; 3, floret; 4, floret cut vertically; 5, pappus-hair; 6, anther-tube laid open showing the style-arms; 7, young flower-head with the bracteoles at the base removed; 8, broader scale of involucre (inner side); 9, narrower scale of involucre (inner side); 10, bracteole (inner side); 11, floral diagram:—*all except 1 enlarged.*

朝鮮釜山浦ノ海藻

理學士 岡村金太郎

去夏大學院學生理學士金田檣太郎氏ガ地質調査ヲ兼テ朝鮮ニ漫遊セラレタル際一日釜山浦ニ於テ採集セル海藻十數種ヲ齎シ余ニ贈ラレタリ氏ハ七月廿四日ヲ以テ東京ヲ發シ釜山ヨリ京城仁川ヲ經テ元山津ニ至リ十二月十日ヲ以テ歸京セラレタリ氏ガ釜山ニテ採集セシハ八月五日ニシテ其標品ハ同所ニテ採集セル介類海綿類ト共ニアルコイルヲ以テ二個ノ小瓶ニ固ク詰メタル故概テ其形狀ヲ損シ完全ナルモノハ甚ダ少ナク之ヲ調ブルニ當テ頗ル困難セリ然レモ漸ク之ヲ調査セシニ其種類大略左ノ如シ

紅藻類

Gelidium corneum.

(てんぐさ) 本邦各地ニ産ス

Ceramium rubrum.

(しそす) 本邦各地ニ産ス