

subsecundae dispositae. Involucrum conico-cylindricum circ. 1 cm. longum glabrum, bracteis 3-4-seriatim dispositis, bracteis interioribus oblongo-latis 7 mm. longis 2 mm. latis apice obtusis. Corolla circ. 1 cm. longa, tubo 5 mm. longo $\frac{1}{2}$ mm. lato, limbo 5-partito, segmentis linearibus 7 mm. longis $\frac{1}{2}$ mm. latis apice obtusis. Anthere appendices lineares 1 mm. longae truncato vel obtuse, candidis linearibus 1 mm. longis plus minus locutatis. Stylus 1 cm. longus basi conicodilatatus apice 2-fidus, ramis $\frac{1}{2}$ mm. longis recurvis. Achaeum matrum ignotum. Pappi setae copiose plumosae.

HAB. Kelung, leg. R. HAYATA, April 1916.

5. *Ainalisea Kawakamii* HAYATA sp. nov. Folia fere omnia quasi-radicalia approximatum sita ovata vel cordato-ovata 6 cm. longa $3\frac{1}{2}$ cm. lata apice obtusa mucronata basi cordata marginis utroque latere makronibus remote instructa supra glabra subtus pallida hirsuta subtrinervia, petiolis 3-6 cm. longis molle tomentosis. Scapi aphylli 40-50 cm. longi, capitulis monosimilis dispositis, pedicellis 5 mm. longis hirsutis. Involucrum conico-cylindricum 13 mm. longum 3 mm. latum, bracteis imbricatis, exterioribus brevioribus triangularibus interioribus longioribus linearibus. Corolle tubus 5 mm. longus, limbo 5-partito, partibus linearibus 8 mm. longis 1 mm. latis apice acuto-obtusis. Achaeum dense hirsutum; pappi setae plumosae.

HAB. Lago non indicato, leg. T. KAWAKAMI.

Near *A. reflexa*, but differs from it by the cordate leaves with no distinct base.

6. *Ainalisea reflexa* MAXILL.; HAYATA Ic. p. 37.

Gerbera Gisek.

Gerbera Integripetala HAYATA Ic. p. 39.

Pieris Linn.

Pieris morrisonensis HAYATA sp. nov. (Fig. 29). Perennis erecta 40 cm. longa patente hirsuta sursum tamena, pilis rectis apice furcatis, basi lignosa. Folia linearia 9 cm. longa 4-6 mm. lata apice acuminata basi attenuata marginis remote serrulata et utique pagina patenti-hirsuta subsessilia. Capitula ad apicem ramorum terminalia. Involuci bracteis 2-seriatim dispositi, exterioribus minoribus, interioribus longioribus linearibus 13 mm. longis 1 mm.

longis apice acuminatis dorso hirsutis. El. ignot. Achaeum maturum ferrugineo-fulvum fusiforme 4-5 mm. longum 1 mm. vel minus quam 1 mm. latum apice plus minus rostratum basi obtusum minime transverse elevato-striatum. vel rugulosum co-ostatum; papilli sciae copiose 6 mm. longe albe plumosae.

Picris hieracioides HATATA Fl. Mont. Formos. p. 143 (non LINN.).

HAB.: Monte Morrison, leg. U. Mont. Differs from *P. hieracioides* LINN. by the much narrower leaves.

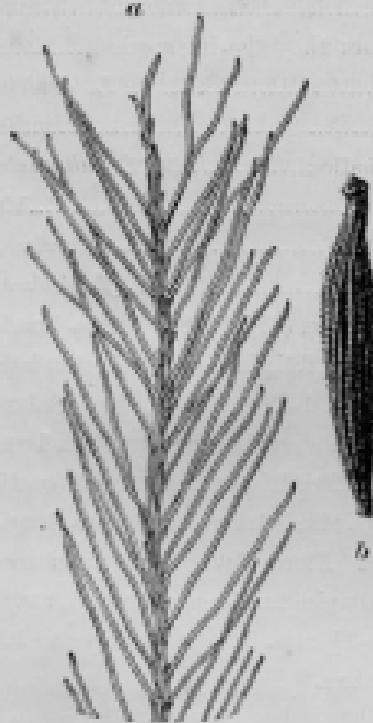


Fig. 29. *Picris hieracioides* HATATA:
a, a portion of a papier-hair; b, an achene.

Taraxacum HILL.

Taraxacum platycarpum H. DAHLST.; HATATA I. c. p. 41.

Lactuca LINN.

Key to species.

1. Outer involucral bracts gradually passing to inner ones in length.....2.
2. Outer involucral bracts minute, inner ones very long, no transitional ones between them.....6.
2. Creeping, stoloniferous.....1. *L. brachyrhyncha*.
3. Erect, tall herbs.....3.
3. Perfectly glabrous.....4.
4. More or less hirsute.....5.
4. Cauline leaves linear.....2. *L. brevirastris*.
4. Cauline leaves pinnatifid.....3. *L. macroensis*.
5. Cusps at the apex of the leaves linear.....4. *L. Morii*.
5. Cusps at the apex of the leaves acuminate-triangular...5. *L. formosana*.
6. Flowers purple, stem 80-100 cm. tall.....6. *L. scorin.*