

ARTEMISIA CAUDATA.

Oval, woolly, apical or lateral bud galls with a diameter of 1 to 1.5 cm. and consisting of a series of oval cells, each with a length of about 2 mm. and with numerous long fibers. Woolly wormwood gall, *Rhopalomyia ?alticola* Ckll.

ARTEMISIA FORWOODII (?CANADENSIS).

Globular, woolly galls with a diameter of about 1 cm.

Woolly wormwood gall, *Rhopalomyia alticola* Ckll.

ARTEMISIA FRIGIDA.

Fusiform flower or leaf bud galls, length 4 mm., also occurs on *A. filifera* ----- *Rhopalomyia betheliana* Ckll.

ARTEMISIA GNAPHALODES.

Irregular, lobulate, polythalamous, white, pubescent gall, diameter 1 cm. ----- *Rhopalomyia gnaphalodis* Felt.

ARTEMISIA HETEROPHYLLA.

Ovate, thin-walled, oblique leaf galls, length 1 mm., also breeds in apparently normal flower buds. ----- *Diarthronomyia occidentalis* Felt.

ARTEMISIA SP. (WORMWOOD).

Deformed flower heads, length 10 mm., diameter 5 to 6 mm.

Wormwood flower midge, *Rhopalomyia coloradella* Ckll.

Bud galls. ----- presumably *Asphondylia artemisia* Felt.

A bud deformation of black, globose or densely crowded filaments ----- *Eriophyes* sp.

Ovate masses of linear, modified leaves occurring on the branchlets, length of mass 1.5 cm., diameter 5 to 7 cm. ----- *Eriophyes* sp.

Subconical, short-wooled, yellowish gray, axillary bud gall, length 2 cm., diameter 1 cm. ----- *Trypetid*

Globose, axillary, woolly bud gall, diameter 7 to 10 mm., the hairs grayish white, short and thick ----- *Trypetid*

ARTEMISIA TRIDENTATA (SAGE-BRUSH).

Oval, bud-like flower gall the size of a pea.

Rhopalomyia tridentatae Rubs.

Ovate, hard, thick-walled, yellowish brown bud gall, length 1.5 cm., diameter .8 cm. ----- *Trypetid*.

Flask-shaped or subconical leaf gall, length 4 mm., diameter 2 mm. ----- Wormwood flask gall, *Rhopalomyia ampullaria* Felt.

Oval, grayish or almost black, solitary or clustered gall on the under side of the leaves, length 1.5 cm.

Diarthronomyia occidentalis Felt.

Globose, variable, monothalamous or polythalamous leaf, bud or rosette galls or a bladdery gall arising from the leaf, pubescence variable, dimensions 3 to 15 mm. ----- *Diarthronomyia artemisia* Felt.

Subglobular, brown, spongy apical gall, diameter 1.8 cm., possibly identical with the preceding ----- *Cecidomyia* sp.