

APHIDS, HOPPERS, CICADAS, AND OTHERS (Homoptera)

PINE AND SPRUCE APHIDS, Family Chermidae p. 136
 Small dark-colored insects, with wings held rooflike over body at rest; cornicles absent; FW with Rs absent, and Cu₁ and Cu₂ separated at base.
EASTERN SPRUCE GALLS, caused by *Chermes abietis* Linn.; e. N. America.

PSYLLIDS, Family Psyllidae p. 134
 FW membranous or thickened, usually held rooflike over body at rest; tarsi 2-segmented; antennae 10-segmented.
HACKBERRY NIPPLE GALLS, caused by *Pachypsylla celtidis-mamma* Riley; e. U.S.
WOOLLY PSYLLID, *Psylla floccosa* (Patch); e. N. America.

ACANALONIID PLANTHOPPERS, Family Acanaloniidae p. 132
 Planthoppers (see p. 130) with FW broadly oval and held almost vertical at rest; costal area of FW reticulate (net-veined); hind tibiae with spines at tip only; 2nd segment of hind tarsi minute, its tip rounded with a small spine on each side.
Acanalonia bivittata (Say); e. N. America.

FLATID PLANTHOPPERS, Family Flatidae p. 132
 Similar to acanaloniids (above), but FW elongate-triangular and with numerous costal cross veins, and hind tibiae with spines on sides in addition to ones at tip.
Anormenis septentrionalis (Spinola); e. U.S.

LEAFHOPPERS, Family Cicadellidae p. 130
 Body usually tapers behind; tarsi 3-segmented; antennae short, bristlelike, rising in front of or between eyes; hind tibiae with 1 or more rows of small spines.
Comellus comma (Van Duzee); ne. U.S.
Graphocephala coccinea (Forster); e. U.S.

APHIDS, Family Aphididae p. 135
 Small, soft-bodied, usually somewhat pear-shaped, nearly always with a pair of cornicles near end of abdomen; wings when present membranous, FW with Rs present and M branched, HW much smaller than FW; tarsi 2-segmented.
GREEN PEACH APHID, *Myzus persicae* (Sulzer); N. America.

CICADAS, Family Cicadidae p. 129
 Large, robust insects, mostly 1-2 in., with clear wings and bulging eyes; tarsi 3-segmented; antennae short, bristlelike; 3 ocelli; ♂ usually with sound-producing organs at base of abdomen on underside.
PERIODICAL CICADA, *Magicicada septendecim* (Linn.); ne. U.S.

