

Lonchaea polita Say. Bear River City, September 9, 1925.
Camptoprosopella vulgaris Fitch. Delta, July 27, 1927; Lewiston.
Minettia flaveola Coq. Bear River City, September 9, 1925; Clearfield.
M. longicornis Fall. Ogden, August 18, 1927; Spring Canyon.

FAMILY DROSOPHILIDAE

Small fruit flies are common around decaying fruit, sometimes being household pests. Larvae, called vinegar worms, sometimes are found in over-ripe fruit.

Scaptomyza adusta Lw. Pocatello, August 27, 1925 (Knowlton).

FAMILY GEOMYZIDAE

Tethina coronata Lw. Bear River City, September 9, 1925; Cache Junction; Corinne; Deseret (Pack); Grantsville; Paradise; Provo.
T. parvula Lw. Promontory, June 12, 1929 (K.-Bowen); Skull Valley.

FAMILY AGROMYZIDAE

Larvae cause injury as leaf-miners in deciduous plants.

Agromyza parvicornis Lw. Lewiston, August 1929; Richmond; mining the leaves of corn, Salt Lake City, 1929 (Pack).
A. scutellata Fall. Garland, September 1925; Lewiston; Trenton. Serpentine leaf-miner on alfalfa, beans, beets, clover, potatoes, cabbage, mallow, mustard, *Nasturtium*, sweet pea, peppers, plantain, radish, spinach, turnip, and water melon.
A. virens Lw. Corinne, September 9, 1925; Logan (Pack). Mines the stems of white clover.
Cerodontha femoralis Mg. Logan, September 2, 1925. This is the wheat sheath stem maggot; it also attacks oats, timothy, and native grasses.

FAMILY CHLOROPIDAE

Chloropisca appropinqua Adams. Collinston, May 20, 1932; Grantsville; Hurricane; Logan; Promontory (Bowen); Snowville.
C. glabra Meig. A very common species throughout the state, reportedly an important predator upon the beet root aphid, *Pemphigus betae* Doane.
C. pulla var. *punctum* Beck. Midvale, April 27, 1934 (Thomas); Woodcross.
C. pullipes Coq. Blanding, August 18, 1936; Monticello.
C. rubida Coq. Butlerville, June 23, 1936; Logan Canyon; Zion National Park.
C. variceps Lw. Currant Creek, April 27, 1933; Logan (Hagan); Nephi.
Chlorops rufescens Lw. Provo, June 27, 1930 (K.-Janes).
Crassiseta costata Lw. Anderson, September 16, 1930; Bluff; Garland; Grantsville; Mills, Millville; Monticello; Vineyard; Virgin.
Dicraeus incongruus Ald. Cache Junction, June 20, 1913 (Hagan).
Diplotoxa messoria Fall. Dry Lake, August 10, 1929.
D. microcera Lw. Blue Creek, October 29, 1933.
Epichlorops exilis Coq. Clinton, July 15, 1936, at light.
E. puncticollis Zett. Strawberry Valley, July 20, 1934 (Anthon).
Eribolus sudeticus Beck. Bountiful, October 5, 1933 (K.-Rowe).

Hippelates particeps Beck. Spanish Fork, August 21, 1936.
H. pusio Lw. Cache Junction, July 1927; Delta; Salt Lake City.
H. straminea Lw. Moab, August 19, 1936.
Madiza cinerea Lw. Promontory, June 18, 1929 (K.-Bowen).
M. glabra Fall. Delta, July 12, 1926; Lewiston; Spring Canyon.
M. neglecta Beck. Cache Junction, June 20, 1913 (Hagan); Corinne; Cornish; Curlew; Grantsville; Joseph; Snowville.
M. parva Adams. Willard, September 10, 1925.
M. pygmaea Beck. Trenton, August 10, 1927.
Meromyza americana Fitch. The wheat stem maggot fly has been collected at Bear River City, June 22, 1929; Garland; Heber; Hooper; Hot Springs; Leeds; Miner's Peak; Roosevelt; Stansbury Island; Tooele.
M. marginata Beck. Fish Lake, September 17, 1926; St. John, June.
M. saltatrix Lw. Cache Junction, May 1914 (Hagan); Fish Lake; Logan.
Oscinella coxendix Fitch. American Fork, June 5, 1930; Brigham; Dry Lake; Kanab; Lehi; Mt. Pleasant; Myton; Providence; Provo; Zion National Park.
O. frit Linn. The frit fly has been taken at Blue Creek, May 24, 1930; Cedar City; Farmington; Fielding; Hooper; Hyde Park; Kaysville; Logan; Plymouth; Richfield; Riverside; Smithfield; Willard, October 31, 1933 (Rowe).
O. minor Ad. Elsinore, June 27, 1933.
O. nitidissima Mg. Corinne, September 9, 1925; Logan, May.
O. virgata Coq. Fairview, June 28, 1933.

FAMILY MUSCIDAE

Lispe uliginosa Fall. Brigham, August 24, 1927; Clive; Dry Lake; Richmond.
Lispocephala erythrocerata Desv. Deseret, August 1929 (Pack); Kelton.
Morellia micans Mcq. Ogden, May 12, 1927.
Muscina assimilis Fall. The squash root-maggot, taken at Bountiful, May 8, 1929; Brigham (Pack); Logan; Thatcher. Larvae of this fly are supposedly predacious upon caterpillars.
M. stabulans Fall. Garland, August 12, 1931; Layton; Logan; West Point.
Ophra leucostoma Ws. Five Points, October 5, 1929; Mills; St. George, May 29, 1919; Timpie.
Paregle cinerella Fall. Low, September 11, 1929.
Pegomyia hyoscyami Panzer. Beet leaf-miner commonly causes moderate injury to beet leaves in Utah. Amalga, June 6, 1928; Garland; Hooper; Mendon; Sigurd.
P. vicina Lint. Clover, July 16, 1926; Draper; Midvale.
Phyllogaster cordyluroides St. Trenton, September 1929.
P. littoralis Mall. Northern Utah.
Schoenomyza dorsalis Lw. Bear River City; Delle, September 26, 1929; Grantsville; Logan; Ogden.
Stomoxys calcitrans L. The biting house fly or stable fly is common and troublesome throughout the state; adults are suspected of transmitting certain diseases of man and livestock.

FAMILY SARCOPHAGIDAE

Sarcophaga bishoppi Ald. Logan, July 10, 1934 (E. Gardner).