

NORTH CAROLINA DEPARTMENT
of AGRICULTURE

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RALEIGH, N. C.

THE INSECTS *of* NORTH CAROLINA

BEING A LIST OF THE INSECTS OF NORTH CAROLINA
AND THEIR CLOSE RELATIVES

By

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Family CECIDOMYIIDAE, The Gall Midges

ARTHROCNO DAX Rubsaamen

- A. carolina** Felt. Charlotte, Wilmington, Laurinburg, Buies, larvae feed on cotton red spider.

ASPHONDYLIA Loew

- A. autumnalis** Beut. Black Mountain, from galls on Helenium autumnale (Beutenmuller).
A. conspicua O. S. Valley of Black Mountain, galls on Rudbeckia (Beutenmuller).
A. patens Beut. Black Mountain, from galls on Aster patens (Beutenmuller).

ASTEROMYIA Felt

- A. asterifoliae** Beut. Black Mountain, from galls on leaves of Aster (Beutenmuller).

CECIDOMYIA Meigen

- C. balsamoides** Lint. North Carolina, Aldrich Catalog, p. 161.
C. chinquapin Beut. Black Mountain, gall in bur of chinquapin (Beutenmuller).
C. impatientis O. S. Black Mountain, gall at base of flower of Impatiens pallida in September (Beutenmuller).
C. niveipila O. S. Raleigh, July.
C. nyssaecola Beut. Black Mountain, galls on leaf of Nyssa sylvatica (Beutenmuller).
C. ocellaris O. S. Greensboro, from maple, May.
C. pustuloides Beut. Black Mountain, galls in clusters on leaves of oaks in September (Beutenmuller).
C. racemii Steb. Raleigh, July, gall on cherry.
C. rudbeckiae Beut. Black Mountain, gall on flowerlets of Rudbeckia hirta (Beutenmuller).
C. vaccinii O. S. Black Mountain, gall on underside of leaves of Vaccinium stamineum in September and October (Beutenmuller).
C. verbesinae Beut. Black Mountain, galls on flower heads of Verbesina alternifolia in September (Beutenmuller).
C. viticola O. S. Hendersonville, galls in August.

CARYOMYIA Felt

- C. antennata** Felt. High Point, July, galls on hickory leaf.
C. holotrichia O. S. Charlotte, gall on hickory leaf.

CLINORHYNCHA Loew

- C. eupatoriflorae** Felt. Black Mountain, galls among flower heads of Eupatorium ageratoides (Beutenmuller).

COLPODIA Winnertz

- C. carolinae** Felt. Davidson River, September.
C. pinea Felt. Davidson River, September.

CONTARINIA Rondani

C. sorghicola Coq. North Carolina, E. P. Felt.

DASYNEURA Rondani

D. communis Felt. Raleigh, August, on red maple.

*D. meibomia*e Beut. Valley of Black Mountain, galls on stem of Meibomia.

D. serrulata O. S. Swannanoa, July.

DIARTHROMYIA Felt

D. hypogaea Lw. Chrysanthemum Midge. Raleigh, on chrysanthemum leaves in fall.

ITONIDA Meigen

I. anthici Felt. Raleigh, September; galls on bald cypress.

LASIOPTERA Meigen

L. clavula Benton. Raleigh, gall on dogwood.

L. farinosa O. S. Valley of Black Mountain, galls on blackberry leaves (Beutenmuller).

L. nodulosa Beut. Raleigh, gall on blackberry leaf.

L. vernoniae Beut. Valley of Black Mountain, gall on midrib of leaf of ironweed.

MONARTHROPALPUS Rubsaaen

M. buxi Lab. Box-leaf Miner. Greensboro, Winston-Salem, Candler.

MYCODIPLOSI Rubsaaen

M. carolina Felt. Kawana (Avery county), August, from leaves of *Lilium superbum*.

NEOLASIOPTERA Felt

N. hamata Felt. Davidson River, September (Felt).

N. ramuscula Beut. Valley of Black Mountain, galls in stem of *Aster dumosus* and *A. patens* in September (Beutenmuller).

PHYTOPHAGA Rondani

P. destructor Say. Hessian Fly. Burke, Caldwell and Wilkes counties, east to Warren, Alamance, Montgomery and Union, adults in May; a pest on wheat.

PORRICONDYLA Rondani

P. carolina Felt. Davidson River, September.

P. porrecta Felt. Davidson River, September.

RHOPALOMYIA Rubsaaen

R. anthophila O. S. Asheville, September (Felt).

R. capitata Felt. Raleigh, from terminal rosette galls of *Solidago canadensis*, August, September.

- R. carolina** Felt. Asheville, on *Solidago canadensis*, September (Felt).
R. clarkei Felt. Asheville, September, gall on *Solidago canadensis* (Felt).
R. racemicola O. S. Valley of Black Mountain, galls among racemes of goldenrod (Beutenmuller).

SCHIZOMYIA Kieffer

- S. pomum** W. and R. Goldsboro, Charlotte, July, September, galls on grape.

THECODIPLOSIS Kieffer

- T. lirioidendri** O. S. North Carolina (Felt).

Family MYCETOPHILIDAE, The Fungus Gnats

CEROTELION Rondani

- C. bellulus** Will. Raleigh, May.

PLATYURA Meigen

- P. diluta** Lw. North Carolina (Johannsen).
P. divaricata Lw. Raleigh, June.
P. elegans Coq. North Carolina (Johans.).
P. genualis Johans. Raleigh, May; Black Mountain.
P. inops Coq. Cedar Mountain, Shaw and Townes.
P. melasoma Lw. Raleigh, May.
P. mendica Lw. Raleigh, May.
P. mendosa Lw. Raleigh, May.

MACROCERA Meigen

- M. immaculata** Johns. Raleigh, May.
M. clara Loew. Raleigh, June.

MONOCLONA Mik

- M. elegantula** Johans. Hendersonville, June.

TETRAGONEURA Winnertz

- T. nitida** Adams. Lake Toxoway (Johans.).
T. bicolor Coq. Lake Toxoway (Mrs. Slosson).

DIOMONUS Walker

- D. subcaeruleus** Coq. Spruce, May.

NEOEMPHERIA Osten Sacken

- N. balioptera** Lw. Raleigh, May, June.
N. illustris Johans. Raleigh, June, September.
N. impatiens Johans. Black Mountain, July (Beutenmuller).
N. indulgens Johans. Raleigh, July; Black Mountain (Beut.).
N. nepticula Lw. North Carolina (Johannsen).

MYCOMYA Rondani

- M. brevivittata** Coq. Raleigh, June.
M. littoralis var. **infrequens** Johns. Cedar Mountain, Shaw and Townes.
M. nugatoria Johans. Black Mountain, May.
M. obtruncata Lw. Raleigh, April.
M. sigma Johans. Black Mountain, type locality, May.
M. tanilla Lw. Big Pisgah Mountain, July, Shaw and Townes.

GNORISTE Meigen

- G. megarhina** O. S. Raleigh, February.

LEPTOMORPHUS Curtis

- L. hyalinus** Coq. Raleigh, June.

BOLETINA Steeger

- B. melancholica** Johans. Raleigh, March.
B. obscura Johans. Raleigh, March.
B. tricincta Lw. Raleigh, March.

LEIA Meigen

- L. bivittata** Say. Raleigh, June.
L. cincta Coq. Raleigh, June.
L. oblectabilis Lw. Raleigh, September.
L. opima Lw. North Carolina (Johannsen).
L. striata Will. North Carolina (Johannsen).
L. sublunata Lw. North Carolina (Johannsen).

SYNTEMMA Winnertz

- S. polyzona** Lw. Raleigh, April, May.

RHYMOSIA Winnertz

- R. sp.** Raleigh, June.

EXECHIA Winnertz

- E. canaliculata** Johans. North Carolina (Johannsen).
E. quadrata Johans. Raleigh, April, October.

MYCETOPHILA Meigen

- M. bipunctata** Lw. Big Pisgah Mountain, Shaw and Townes.
M. lenta Johans. North Carolina (Johannsen).
M. mutica Lw. North Carolina (Johannsen).
M. perlonga Johans. Pineola, June.
M. punctata Mg. Raleigh, Tarboro, February-June, September, October.

ZYGOMYIA Winnertz

- Z. ornata** Lw. Big Pisgah Mountain, July, Shaw and Townes.

ZYGONEURA Meigen

Z. flavicoxa Johans. Blantyre, May.

SCIARA Meigen

- S. coprophila** Lint. Black Mountain (Johannsen).
S. habilis Johans. North Carolina (Johannsen).
S. ochrolabis Lw. Cedar Mountain, July, Shaw and Townes.
S. rotundipennis Mcq. Goldsboro, September.
S. radialis Shaw. Guilford College, type locality, December.

NEOSCIARA Pettey

- N. macfarlanei** Jones. Southern Pines (F. M. Jones).
N. picea Rubs. Raleigh, Elizabeth City, Red Springs, Aurora, Fort Macon, Winnabow, April, May, September. In September, 1930, at Aurora, young pheasants died in numbers after eating large quantities of these flies.

PHTHINIA Winnertz

P. tanypus Lw. Cedar Mountain, Shaw and Townes.

Family BIBIONIDAE

BIBIO Geoffroy

- B. afer** McAtee. Raleigh, type locality, May.
B. albipennis Say. Waynesville, Black Mountain, Swannanoa, Toecane, May, all mountain localities.
B. alienus McAtee. Raleigh, Type locality, April.
B. femoratus Wied. Wendell to Raleigh and Southern Pines, westward, March, April.
B. fraternus Lw. Raleigh, Wendell, Wallace, Lake Waccamaw, Aberdeen, Belmont, March, April.
B. longipes Lw. Raleigh, Proctorville, Newton, Madison, Stokesdale, Swannanoa, October, November.
B. rufithorax Wied. Raleigh, Wenona, Winnabow, April.
B. velorum McAtee. Jefferson, type locality, September.

DILOPHUS Meigen

- D. breviceps** Lw. North Carolina (McAtee).
D. orbatus O. S. Raleigh, May.
D. serotinus Lw. Raleigh, Newton, Southern Pines, November.
D. spinipes Say. Raleigh, Wenona, May.

PLECIA Wiedemann

- P. heteroptera** Say. Raleigh, Southern Pines, October.
P. ruficollis Fab. Littleton, May, bred.

Family SCATOPSIDAE

SCATOPSE Geoffroy

S. notata Linn. Raleigh, New Bern, Southern Pines, February-April.

RHEGMOCLEMA Enderlein

R. atrata Say. Castle Hayne, Goldsboro, Raleigh, bred in enormous numbers from rotting narcissus bulbs, July, August.

Family SIMULIIDAE, The Buffalo Gnats

SIMULIUM Latreille

S. occidentale Td. Raleigh, Southern Pines, March-May.

S. venustum Say. Flat Rock, June.

PROSIMULIUM Rouboud

P. hirtipes Fries. Raleigh, April.

Family BLEPHAROCERIDAE

BLEPHAROCERA Meigen

B. tenuipes Wlk. Hot Springs (Mrs. Slosson).

Family RHAGIONIDAE (LEPTIDAE)

Sub-family XYLOPHAGINAE

COENOMYIA Latreille

C. ferruginea Scopoli. Raleigh, April; Canton, Linville Falls, Swannanoa, Retreat, May, June.

RHACICERUS Haliday

R. fulvicollis Raleigh, June.

XYLOPHAGUS Meigen

X. fasciatus Wlkr. Durham, March.

X. lugens Lw. Blantyre, April.

Sub-family ARTHROCERATINAE

XYLOMYIA Rondani

X. americana Wied. Raleigh, May, June.

X. pallipes Lw. Raleigh, Castle Hayne, Elizabeth City, May, June, August, September; Hot Springs, Biltmore, Black Mountain, June.

X. tenthredinoides V. d. W. Raleigh, April, May; Swannanoa, May.