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**A List of the insects of New York : with a list of the spiders
and certain other allied groups /**

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- 2447c *E. obliqua* var. *fumida* Gill. Gowanda, Stamford, J1-Aug (EPV); LI: Sea Cliff (EPV-CU).
 — *E. obliqua* var. *noevus* Gill. Cranberry L. (Osb).
 2448 *E. vulnerata* Fitch. Lancaster, Aug (EPV); Ithaca, Aug (Gill-CU); Albany, Oct, EPV (NYS); LI: Sea Cliff (EPV-CU).
 2448a *E. vulnerata* var. *nigra* Gill. Lancaster, Aug (EPV).
 2450 *E. crevecoeuri* Gill. "NY" (McAtee, EPV-CU).

5 FAMILY FULGORIDAE

Compiled by Z. P. METCALF

SUBFAMILY DICTYOPHARINAE

DICTYOPHARA Germar

- 2462 *D. microrhina* Wlk. SI, Aug (EPV, Ds, Zab-AM); LI: Aqueduct, Aug (Ds); Maspeth, Sep (Ols); New Lots, Zab (AM).
 2463 *D. lingula* VanD. SI, Aug-Sep (Ds); LI: Maspeth, Sep (Ols).

SCOLOPS Schaum

- 2466 *S. sulcipes* Say. Wells (Yg); Cranberry L. (Osb); White L., Zab (AM); L. Placid, Aug (EPV); Lancaster (EPV); Nassau, Salem, Albany, Karner (NYS); Kingston (EPV); Phoenicia (EPV); New Baltimore (Yg); W. Nyack, Sep; Mosholu, West Farms, Kissena L. (AM); SI, J1 (Ols); LI: Kissena Pk., Maspeth, Winfield, Port Washington, J1-Sep (Ols); Aqueduct, Je, Shoe; Sea Cliff, Aug, Forest Hills, Sep (Ols).
 2469 *S. desiccatus* Uhl. SI (Ds); also other localities (Ols).
 2470 *S. perdix* Uhl. LI: Bay Shore, Maspeth, Winfield, Aug-Sep (Ols).
 2477 *S. angustatus* Uhl. Ithaca (CU); Mosholu (Sm); Van Cort. Pk., Aug; SI (EPV); LI: Cold Sp. Harb., Jamaica (EPV); Winfield, Wyandanch, Rockaway, Maspeth, J1-Aug (Ols); Orient, Flatbush, J1, Aug, Zab (AM).

PHYLLOSCELIS Germar

- 2484 *P. atra* Germ. CRANBERRY TOAD BUG. Carmel, Aug (AM); White Plains (Ols); LI: Sea Cliff (CU); Calverton, Riverhead (Sirrinc & Fulton).
 2484a *P. atra* var. *albovenosa* Melich. White Plains (Ols); Cold Sp. Harb., Sep (Ds).
 2485 *P. pallescens* Germ. LI (Sirrinc & Fulton).

SUBFAMILY ACHILINAE

EPIPTERA Metcalf

- 2498 *E. colorata* VanD. Gowanda (EPV).
 2499 *E. opaca* Say. Phoenicia (EPV); near L. Erie (Say).
 2502 *E. slossoni* VanD. Cranberry L. (Osb).
 2503 *E. septentrionalis* Prov. LI: Bay Shore, Sep (Ols); Calverton, Sep (Ds),
 2504 *E. floridae* Wlk. LI: Bay Shore, Aug (Ols); Wyandanch, J1, Schott.
 2505 *E. variegata* VanD. LI: Bay Shore, Sep (Ols).
 — *E. brittoni* Metc. West Pt., Sep.

CATONIA Uhler

- 2507 *C. nava* Say. Gowanda, Hamburg, Aug.
 2508 *C. cinctifrons* Fitch. **LI**: Sea Cliff (EPV); Melville, Wyandanch, Sep, Oct, *Schott*; Forest Hills, Sep (Ols).
 2510 *C. picta* VanD. **LI**: Huntington, Sep, *Schott*.
 2511 *C. grisea* VanD. Niagara Falls, Hamburg, Gowanda, Phoenicia (EPV); L. George, Aug-Sep, *Zab* (AM).
 2512 *C. pumila* VanD. **LI**: Jamaica (EPV).
 2514 *C. impunctata* Fitch. Buffalo, Colden, Phoenicia (EPV); L. George, Sep; Ramapo, Jl (Ds); **LI**: Bergen I., Orient, Jl, Aug, *Zab* (AM); Wyandanch, Aug (Ols).
 2515 *C. dimidiata* VanD. Phoenicia (EPV); Ft. Montgomery, Sep, *Schott*.

SUBFAMILY CIXIINAE

OLIARUS Stål

- 2528 *O. quinquelineatus* Say. Buffalo, E. Aurora (EPV); Rock City, Ithaca, Jl (Ds); Karner (EPV); **SI**, Je-Jl (Ols); **LI**: Pinelawn, May-Jl (Ds); Bay Shore, Yaphank, Je-Jl (Ols); Ft. Montgomery, Jl, Sep, Huntington, *Schott*.
 2529 *O. placitus* VanD. **LI**: Flatbush, *Zab* (AM).
 2531 *O. franciscanus* Stål. Niagara Falls, near Buffalo, Boston, Gowanda (EPV); Crugers, Jl (AM); White Plains, W. Nyack, Je (Ols); **LI**: Yaphank, Bay Shore, Flushing, Jl (Ols).
 2540 *O. humilis* Say. Buffalo, Hamburg (EPV); Goshen, Carmel, Aug, Sep (AM).
 2541 *O. cinnamomeus* Prov. "NY" (VanD. Cat.).

CIXIUS Latreille

- 2545 *C. misellus* VanD. Speculator, Wells (Yg); Cranberry L. (Os); Buffalo, L. Placid, Salamanca, Gowanda, Hamburg, Chautauqua, Colden, Lewiston (EPV); Elizabethtown, Trenton Falls (NYS).
 2546 *C. basalis* VanD. L. Placid, Hamburg, Gowanda, Salamanca (EPV); Phoenicia (NYS); L. George, *Zab* (AM); NYC (AM); **LI**: Flatbush, Jl, *Zab* (AM).
 2547 *C. coloepium* Fitch. Mt. Marcy, Jl (Ols); Cranberry L. (Os); Speculator, Blue Mt.; L. Placid, Lime L., Lewiston, Salamanca (EPV); Oliverea, Jl (Ols); **SI**, Jl (Ols).
 — *C. apicalis* Metc. Ithaca, Je.

OECLEUS Stål

- 2554 *O. borealis* VanD. Hamburg (EPV); **LI**: Yaphank, Port Washington, May, Jl, Sep (Ols).

MYNDUS Stål

- 2565 *M. pictifrons* Stål. Buffalo, Hamburg, Aug.
 2566 *M. sordidipennis* Stål. Near Buffalo, Hamburg, Je, Jl, Colden, Je. **LI**: Lott Wood, Flatbush, Jl, *Zab* (AM).

SUBFAMILY ISSINAE

FITCHIELLA Van Duzee

- 2580 **F. robertsoni** Fitch. "NY" (VanD. Cat.).

BRUCHOMORPHA Newman

- 2583 **B. oculata** Newm. Ithaca (CU); Cranberry L., Jl, Aug (Os); Speculator, Wells, Yg; Buffalo, Boston, Colden, Hamburg, Gowanda, Salamanca, Phoenicia (EPV); Salem (NYS); W. Nyack, Je (Ols).
- 2585 **B. dorsata** Fitch. "NY."
- 2588 **B. tristis** Stål. Niagara Falls (EPV).

APHELONEMA Uhler

- 2591 **A. histrionica** Stål. Cranberry L., Aug (Os); Hamburg, L. Placid, Cobble Hill, Lancaster, Buffalo (EPV).

THIONIA Stål

- 2634 **T. bullata** Say. Niagara Falls, Gowanda, Hamburg (EPV); **LI**: Maspeth, Jl, Sep, Port Washington, Sep (Ols); Flatbush, Aug, Zab (AM); Aqueduct, Jl (Ds).

SUBFAMILY ACANALONIINAE Amyot and Serville

ACANALONIA Spinola

- 2639 **A. bivittata** Say. Ithaca (Ols, CU); Schenectady (Ols); Albany, Karner (Yg); Phoenicia (EPV); Salem (NYS); Poughkeepsie (CU); West Pt., Sep, Robn (Ds); Ft. Montgomery, Jl (Ds); W. Nyack, Sep (Ols); Mosholu; Bryn Mawr Pk. (AM); **SI** (EPV); **LI**: Bay Shore, Maspeth, Winfield, Sea Cliff, Wyandanch, Port Washington, Pelham Parkway, Yonkers, Bayville, Jl-Oct (Ols); Promised Land, Wading R., Southold, Amagansett, Pinelawn, Yaphank, Brooklyn, Flushing, Aug-Oct (Ds).

SUBFAMILY FLATINAE Spinola

ORMENIS Stål

- 2649 **O. pruinosa** Say. MEALY LANTERN FLY. Rochester, Wendt; Buffalo, Gowanda, Lancaster (EPV); Ithaca (Ols); Albany; Nassau, Troy (NYS); Normanskill, Leon; Poughkeepsie; W. Nyack, Aug (Ols); Bronxville; NYC (Ols); West Farms (AM); Kingston; Bronx, Aug (Ols); **LI**: Maspeth, Jl, Aug (Ols); Yaphank, Wading R., Ft. Montgomery, Fire Place, Jl-Oct (Ds); Wyandanch, Port Washington, Jl-Aug (Ols).
- 2656 **O. septentrionalis** Spin. Mt. Sinai (Ds); Albany; Poughkeepsie; White Plains, Sep, Dunwoodie, Yonkers, Sep (Ols); West Farms, Aug (AM); MacLean Ave., NYC, Aug (Ols); **SI**, Jl-Oct (Ds); **LI**: Sea Cliff (EPV); Jamaica (NYS); Syosset (NYS); Maspeth, Jl, Sep, Flushing, Sep (Wlk); Wading R., Orient, Aug-Oct (Ds); Yaphank.

SUBFAMILY DERBINAE Spinola

PATARA Westwood

- 2671 *P. vanduzei* Ball. Cranberry L., *Htly* (Os&DeL). Gowanda (EPV).

CEDUSA Fowler

- 2672 *C. vulgaris* Fitch. L. Placid, Buffalo, Boston, Hamburg, Salamanca, Ithaca (EPV); Batavia, *Knigt*; Otto; Karner, Albany (NYS); L. George, Aug, *Zab* (AM); Oliverea, J1, *Shoe*; LI: Jamaica (EPV); Bay Shore, Yaphank, J1-Sep (Ols).
- 2673 *C. obscura* Ball. Elma, Hamburg, E. Aurora (EPV); W. Nyack, Sep (Ols); LI: Bay Shore, Wyandanch, J1-Aug (Ols).
- *C. incisa* Metc. Cranberry L., *Htly* (Os&DeL).

CENCHREA Westwood

- 2678 *C. uhleri* Ball. LI: Hempstead, Sep (Ols).

AMALOPOTA Van Duzee

- 2681 *A. uhleri* VanD. Lancaster, Niagara Falls (EPV); Hamburg, Gowanda, Aug (EPV).
- 2682 *A. fitchi* VanD. Colden, Buffalo (EPV).

ANOTIA Kirby

- 2683 *A. bonnetii* Kby. Buffalo (EPV); Karner (NYS).
- 2684 *A. westwoodi* Fitch. "NY" (Fitch).
- 2685 *A. burnetii* Fitch. Albion (EPV).
- 2687 *A. sayi* Ball. Albion (EPV).

OTIOCERUS Kirby

- 2689 *O. degeerii* Kby. New Russia, *Bdy*; Buffalo, Lancaster, Stamford, Salamanca, Gowanda (EPV); Phoenicia (EPV); SI, Aug (Ds); LI: Amagansett, Fire Place, Yaphank, Aug-Sep (Ds).
- 2690 *O. stollii* Kby. Buffalo Plains (EPV).
- 2691 *O. abbotii* Kby. Rye, Sep (Ds).
- 2693 *O. coquebertii* Kby. Old Forge (Yg); Cranberry L., J1, Aug (Os); Colden, Hamburg, Gowanda, Stamford, Salamanca, Buffalo, Poughkeepsie (EPV); S. Wales, *MCV*; Otto (Uhl); Ithaca (NYS); Phoenicia (NYS).
- 2695 *O. signoretii* Fitch. Lancaster, Hamburg, Conesus L. (EPV).
- 2696 *O. wolfii* Kby. Lancaster, Gowanda, Hamburg, Albion, Aug, Sep (EPV); SI, Aug (Ds).
- 2697 *O. amyotii* Fitch. LI: Port Washington, Bay Shore, Sep (Ols); Yaphank, J1, *Wood*.
- 2698 *O. kirbyii* Fitch. "NY".
- 2699 *O. schellenbergii* Kby. Gowanda (EPV).

SUBFAMILY DELPHACINAE ^{22a}

STENOCRANUS Fieber

- 2701 *S. dorsalis* Fitch. Cranberry L., J1 (Os); Buffalo, L. Placid, Colden, Hamburg, Gowanda, Aug, Sep (EPV); Phoenicia (EPV); Johnstown, Albany, Karner, Newport (NYS); W. Nyack, Sep (Ols); Ft. Montgomery, *Schott*.
- 2703 *S. felti* VanD. Cranberry L., Aug (Os); Speculator (Felt).
- 2704 *S. palaetus* VanD. "NY" (EPV).
- *S. vittatus* Stål. NYC (EPV).

KELISIA Fieber

- 2706 *K. axialis* VanD. Cranberry L., Aug (Os); Lancaster, Gowanda, Aug (EPV); LI: Maspeth, Sep (Ols).

MEGAMELANUS Ball

- 2712 *M. elongatus* Ball. LI: Winfield, J1 (Ols).
- 2713 *M. spartini* Osb. SI; LI: Oyster Bay, Cold Sp. Harb. (Os); Sea Cliff (EPV).

PROKELISIA Osborn

- 2715 *P. setigera* Osb. LI: Sea Cliff (EPV).
- 2716 *P. marginata* VanD. SI (WMG); LI: Rockaway Beach, Sep (Ols); Cold Sps., Sea Cliff (WMG).

MEGAMELUS Fieber

- 2717 *M. notulus* Germ. Colden, L. Placid, Hamburg, Lancaster, Concord, Buffalo, May-J1 (EPV).
- 2718 *M. piceus* VanD. Potsdam, Je, J1 (EPV); Lancaster, Clarence, Grand I. (EPV); Colden, Je, J1 (EPV); LI: Yaphank, Je-J1 (EPV).
- *M. inflatus* Metc. NY.

PISSONOTUS Van Duzee

- 2723 *P. marginatus* VanD. East Lake (Yg); Lancaster, Hamburg, Phoenicia (EPV); NYC; LI: Sea Cliff (EPV); Ravenswood, Long Island City, *Southwick*.
- 2724 *P. basalis* VanD. Johnstown, *Alex*; Lancaster (EPV); White Plains; W. Nyack, Je (Ols).
- 2726 *P. ater* VanD. Speculator (Yg); Cranberry L., Aug (Ols); Grand I., Buffalo, Hamburg, Elma, Je (EPV).
- 2727 *P. divaricatus* Spnr. Middletown, *Spooner*.
- 2731 *P. delicatus* VanD. Niagara Falls, Aug; LI: Sea Cliff (CU).
- 2732 *P. guttatus* Spnr. Ithaca (CU).
- 2733 *P. dorsalis* VanD. Cranberry L., Aug (Os); L. Placid, Lancaster, Colden, Boston, Phoenicia, J1 (EPV); Ithaca (CU).

^{22a} F. Muir, of the Hawaiian Sugar Planters' Experiment Station, has assisted in the preparation of the list in the subfamily Delphacinae.

- 2735 **P. brunneus** VanD. Clarence (CU); Grand I. (EPV); White Plains (Ols); NYC, *Southwick*; **SI** (NYS); **LI**: Sea Cliff (CU); Jamaica (NYS); Maspeth, Je (Ols).
- 2736 **P. piceus** Spnr. Middletown, *Spooner*.
- 2737 **P. aphidioides** VanD. Elm L. (Yg); Salamanca, Colden, Niagara Falls, Hamburg, Boston, Buffalo, J1-Aug (EPV); Ithaca (CU); Washingtonville (Yg); **LI**: Sea Cliff (CU).

PHYLLODINUS Van Duzee

- 2739 **P. nervatus** VanD. Newport (Yg); Buffalo, Lancaster, Hamburg, Colden, Je, J1 (EPV); Caroline to Harford (CU); White Plains, Je (Ols).
- 2743 **P. flabellatus** Ball. Ithaca; White Plains (Ols); **SI**, Aug (EPV); **LI**: Maspeth, Je, Aug (Ols).

LACCOCERA Van Duzee

- 2745 **L. vittipennis** VanD. Axton, Cobble Hill, L. Placid (EPV); Speculator, Corinth (Yg); Cranberry L., Aug (Os).

STOBAERA Stål

- 2750 **S. tricarinata** Say. Lancaster, Hamburg, Lawtons, J1 (EPV); N. Evans, Oct (MCV); **LI**: Flushing, Winfield, Maspeth, Sep-Oct (Ols); Orient, Wyandanch, Sep, Oct, *Schott*.
- 2753 **S. pallida** Osb. **LI**: Oyster Bay (Os).

LIBURNIELLA Crawford

- 2758 **L. ornata** Stål. Cranberry L., J1-Aug (Os); Hamburg, J1 (WVG); Lawtons, Buffalo, Oct (EPV); White Plains, W. Nyack, Je (Ols); **SI**, Oct (Ds); **LI**: Sea Cliff (EPV); Maspeth, Je (Ols).

DELPHACODES Fieber

(Liburnia Stål)

- 2762 **D. laminalis** VanD. Mt. Whiteface; L. Placid, Phoenicia (EPV).
- 2763 **D. lateralis** VanD. Lancaster, Colden, Niagara Falls, Hamburg, E. Aurora, Buffalo, Gowanda, Je-Oct (EPV).
- 2764 **D. kilmani** VanD. Colden, Elma, Buffalo, Hamburg, May-Je (EPV).
- 2766 **D. pellucida** Fab. Cranberry L., Aug (Os); Saranac Inn, *Ndm*; Ithaca, Mt. Whiteface, Lancaster, Niagara Falls, Buffalo, Hamburg, May, Aug (EPV).
- 2768 **D. puella** VanD. Mt. Whiteface, Lancaster, L. Placid, Buffalo, Gowanda, Lawtons, Aug-Oct (EPV); **LI**: Sea Cliff (EPV); Wyandanch (Ols).
- 2769 **D. basivitta** VanD. White Plains (Ols).
- 2771 **D. osborni** VanD. Lancaster, Phoenicia, Aug (EPV).
- 2773 **D. campestris** VanD. Cranberry L., Je, Aug (Os); Lancaster, Portage, Ithaca, Isham House, Kingston, L. Placid, Niagara Falls, Hamburg, Gowanda, Buffalo, Je-Aug (EPV); Karner (NYS); White Plains, May (Ols); **LI**: Maspeth, Yaphank, May (Ols).

- 2774 **D. furcata** Prov. About Buffalo (EPV).
 2776 **D. detecta** VanD. NYC (EPV); **LI**: Sea Cliff (EPV).
 2779 **D. foveata** VanD. Portage, Lancaster, Clarence, Hamburg, Je (EPV).
 2780 **D. lutulenta** VanD. Axton, MacG; Speculator (Yg); Cranberry L., Aug (Os); Buffalo, Ithaca, L. Placid, Portage Falls, Hamburg, Colden, Niagara Falls, Lawtons, Gowanda, Aug (EPV); W. Nyack, White Plains, May-Je (Ols); **LI**: Sea Cliff (EPV); Bay Shore, Maspeth, May-Jl (Ols).
 2781 **D. obscurella** Bohm. Concord, Colden, Portage Falls (EPV).
 2785 **D. incerta** VanD. Buffalo (EPV).
 2790 **D. lineatipes** VanD. Lancaster, Buffalo, Hamburg, Jl, Oct (EPV).
 2792 **D. nigradorsum** Crawf. White Plains, May (Ols).
 2793 **D. dolera** Spnr. Ithaca (EPV).

PENTAGRAMMA Van Duzee

- 2807 **P. vittatifrons** Uhl. Axton, Je, MacG; Oswego (CU).

FAMILY **CHERMIDAE**

(*Psyllidae*)

SUBFAMILY **LIVIINAE**

LIVIA Latreille

- 2810 **L. maculipennis** Fitch. Speculator, L. Placid, Aug (EPV); Phoenicia, Aug. *EPV* (Patch); Oneida, Aug (NYS); Hamburg, Lawtons, Aug (EPV); Belden Hill, May, Cy (Yg); Karner, May (Felt); Nassau, Ap (Felt); Stony Pt., Ap (NYS); NYC (Felt); **LI**: Orient, Jl (NYS).
 2812 **L. vernalis** Fitch. Speculator, Aug, Yg (EPV); Newport, Jl, Yg; L. Placid, Aug, *EPV* (NYS); Hamburg, Gowanda, Je-Sep (EPV); Stamford, Aug (EPV); Karner, Ap (NYS); Nassau, Ap (NYS); New Baltimore, Jl, Yg.

APHALARA Foerster

- 2815 **A. calthae** L. Hamburg, Aug (EPV); Hudson Falls, Jl, on Polygonum (Patch-NYS).
 2818 **A. angustipennis** Crawf. Speculator, Jl, Yg, Karner, Je (Felt).
 2822 **A. veaziei** Patch. Speculator, Aug, Yg; L. Placid, Aug, *EPV* (NYS); Cranberry L., Je-Jl (Os); Colden, Je (EPV); Freeville, Jl, Caroline, Je (Patch); Karner, Je (NYS); Phoenicia, Aug, *EPV* (NYS); **SI**, Aug, *EPV* (NYS).
 2826 **A. fascipennis** Patch. Mud Cr., Tompkins Co, Je (Patch).

SUBFAMILY **PAUROPSYLLINAE**

HETEROPSYLLA Crawford

- **H. quassiae** Crawf. **LI**, Ap, on *Quassia* sp. (Crawford).