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## NOTES ON COLOR AND PATTERN OF EYE IN DIPTERA. II.<sup>1</sup>

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The following notes continue those previously published on flies of the families Stratiomyidae, Aulacigastridae, and Otitidae. An example of the taxonomic indications to be found in the eye pattern will be seen below in the resemblance in the patterns between *Odinia boletina* and *Traginops irrorata*, the latter long considered to belong to the Agromyzidae. Specific distinctions in the Stratiomyidae will doubtless become of increasing value as data accumulates.

All material was killed in chloroform vapor and captured in southern Michigan, unless otherwise indicated.

### BRACHYCERA ORTHORRHAPHA

#### Dolichopodidae

*Hydrophorus agalma* Wheeler, ♂♀. Eye plain olive-green.

*H. amplexans* Aldrich, ♂♀. Eye olive-green with small, indistinctly delimited, dorsal area of purple.

*H. chrysologus* Walker, ♂ (Fig. 1). Eye brownish green with a purple dorsal area and a purple antedorsal band separated by a green area.

*Plagioneurus univittatus* Loew, ♂♀ (Fig. 2). Eye green, becoming coppery dorsally and with a small area of indigo at ventral edge.

#### Empididae

*Leptopeza compta* Coq., ♀. Eye plain deep purple.

*Rhamphomyia longicauda* Loew, ♂♀. Eye plain dark olive-green.

#### Erinnidae

*Solva pallipes* Loew, ♂♀. Eyes plain greenish black.

*Xylomyia americana* Wied., ♂. Eyes plain dark olive-green.

#### Rhagionidae

*Chrysopilus quadratus* Say, ♂♀. Eye in female plain olive-green, in male with enlarged dorsal ommatidia dark brown, the lower smaller ommatidia olive-green.

*Rhagio vertebratus* Say, ♀. Eye olive-green with purplish cast, especially anteriorly.

<sup>1</sup> For Paper I see this Bulletin, vol. 44 (5): 163-164 (1949).

*H. griseola* Fallén, var. *scapularis* Loew, ♂♀. Eye olive-green to coppery grading to bright green on lower front side.

#### Helomyzidae

*Amoebaleria defessa* O.S., ♀. Eye plain dull brownish green.

*Suillia quinquepunctata* Say, ♂♀. Eye reddish brown with greenish overcast.

#### Lauxaniidae

*Homoneura citreifrons* Malloch, ♂. Eye bright green, a little bronzy reddish dorsally.

*Minettia ordinaria* Melander, ♀. Eye dark green, becoming purplish at edges.

*Sapromyza browni* Shewell, ♂. Eye plain dark brown with green reflections.

#### Milichiidae

*Milichiella populi* Steyskal, ♂. Eye plain dull brownish red with greenish reflections.

*Pholeomyia indecora* Loew, ♀. Eye plain dark brown with greenish overcast.

#### Odimiidae

*Odinia boletina* Zett., ♀ (Fig. 18). Eye brownish purple with greenish tinge, becoming plain green at each side of a horizontal purple band.

*Traginops irrorata* Coq., ♀ (Fig. 19). Eye with two horizontal bands of green, the upper one the broader; between and dorsad of the bands, purple; ventrad of the bands, blue.

#### Otitidae

*Callopietromyia annulipes* Macq., ♂♀. Eye plain olive-green.

*Delphinia picta* Fabr., ♀ (Fig. 20). Eye olive-green ventrally, a little above middle sharply becoming purple, then gradually shading dorsally into olive suffused with purple.

*Herina ruficeps* v.d.W., ♀. Eye plain dark olive-green.

*Pterocalla strigula* Loew, ♂♀. Eye plain brownish with greenish reflection.

*Eumetopiella rufipes* Macq., ♂. Eye plain dark red.

*Euxesta pechumani* Curran, ♀. Eye plain reddish purple with greenish glint.

*Seioptera vibrans* L., ♂♀. Eye plain dull red with greenish reflection.

#### Piophilidae

*Piophila foveolata* Mg. (*nigriceps* Mg.), ♂. Eye plain dark green.

*P. latipes* Mg., ♂♀. Eye plain dark red-brown with greenish cast.

#### Psilidae

*Chyliza apicalis* Loew, ♂♀. Similar to *C. notata* (v.i.), but the ground color wholly brownish green and the indistinctly delimited stripe bluish green.

*C. notata* Loew, ♂♀ (Fig. 21). Eye in ground color brownish green below, more brownish toward occiput, or even reddish in male, dorsally reddish brown, across middle of eye with indistinctly delimited horizontal band of plain green, broadening anteriorly.

*Pseudopsila collaris* Loew, ♀. Eye plain reddish purple.

*Loxocera cylindrica* Say, ♂♀. Eye plain dark red.

#### Tanypezidae

*Tanypeza luteipennis* Dyar and Knab, ♀. Eye plain dark red.

#### Tylidae

*Rainieria antennaepes* Say, ♀. Eye plain dark red.

*Taeniptera trivittata* Macq., ♂♀, Florida (Fig. 22). Eye green in ground color, dorsally with dark purple markings a figured.

#### Trypetidae

*Euaresta bella* Loew, ♂♀. Eye bright metallic yellow-green.

*Eutreta sparsa* Wied., ♂ (Fig. 23). Eye in ground color red dish purple with a tinge of golden green at dorsal and ventral extremities and crossed by three complete horizontal bands of golden green.

*Neaspilota alba* Loew, ♂♀. Eye plain golden green.

*N. albidipennis* Loew and *N. vernoniae* Loew, ♂♀. Eye plain metallic green when viewed obliquely, with strong coppery sheen when viewed perpendicularly to surface.

*Orellia palposa* Loew, ♂. Eye plain golden green.

*Proceidochares atra* Loew, ♀. Eye with three vertical fasciae of approximately equal width and also a partial stripe occupying anterior angle of eye. The posterior or first stripe is purple with a bluish glint, the second is green and tapers to lower and upper margins of eye, the third is much like the first but more reddish and with less blue reflection, and the anterior area is green, which color also invades the anterior edge of the third fasciae in tiny spots.

*Rhagoletis tabellaria* Fitch, ♂♀. Eye plain bright green with coppery and bluish reflections.

*Tomoplagia obliqua* Say, ♀. Eye plain bright green with some coppery reflection.